

Phase I Environmental Site Assessment

Elgin Mental Health Center
750 South State Street
Elgin, Illinois
CDB #321-055-138

Capital Development Board



FINAL
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Summary

The purpose of a Phase I Environmental Site Assessment (ESA) is to meet the requirements of All Appropriate Inquiry (AAI) under the Comprehensive Environmental Response Cleanup and Liability Act (CERCLA), to permit the user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner or bona fide prospective purchaser limitations.

This Phase I ESA was completed at 750 South State Street in Elgin, Illinois (Property) for the benefit of the Capital Development Board (Client). The Property is a part of the overall complex of the Elgin Mental Health Center, including areas planned for future development. The areas included are the park south of Assembly Hall, the former general hospital (north of the rehabilitation building), and the area east of the former general hospital. The primary future construction area is the area of the former general hospital, east of Assembly Hall, south of Middle Road, and north of the rehabilitation building. The areas west and east of this area were included for utility and drainage additions. This report is intended only for the use of Client.

Conclusion

Stanley Consultants Inc. performed a Phase I ESA in conformance with the scope and limitations of American Society of Testing and Materials (ASTM) Practice ASTM E1527-13 the Property. Any exceptions to, or deletions from, this practice are described in Section 1 of this report. This assessment has revealed evidence of recognized environmental conditions (RECs) in connection with the property.

Findings

Previous ownership and uses of the Property were evaluated to identify RECs. RECs are defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term includes hazardous substances or petroleum products even under conditions in compliance with laws and controlled recognized environmental conditions (CRECs) resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The following REC's were identified in connection with the Property:

- Former Hospital Operations/Demolition – The former operations and demolition on the site as a hospital and diagnostic building to the east. The site was developed as a hospital for over sixty years and it is unknown what became of medical waste generated by the site. The hospital also had identified steam tunnels in the northwest corner and the northeast corner that connected it to the diagnostic building. These tunnels were not accessed during the site inspection. Demolition debris of the general hospital and diagnostic buildings could have resulted in contamination of the soil.
- Underground Storage Tanks – The greater Elgin Mental Health Center is considered to be a REC in connection with the Property, as the site has had several LUST incidents and USTs on the site. While most have been addressed, the potential presence of additional USTs and soil contamination from LUST incidents represent a potential material threat to the Property.

A historical recognized environmental condition (HREC) is defined in the ASTM E1527-13 Standard and refers to an environmental condition which in the past would have been considered a REC, but has been satisfactorily addressed in such a manner that it is not considered to be a current REC.

- LUST incidents occurring at the Elgin Mental Health Center all had tanks and contaminated soil removed from the site. Two LUST incidents received No Further Remediation letters from the IEPA (Incidents 891217 and 981344). One incident was determined to be prematurely reported and was not a result of a leaking storage tank (Incident 981699). One incident was a pre-1974 heating oil UST and is not subject to additional requirements by the IEPA (Incident 940022). The last incident has had the storage tank and contaminated soil removed but was requested as needing additional confirmation samples prior to closure (Incident 20190547).

A controlled recognized environmental condition (CREC) is defined in the ASTM E1527-13 Standard and refers to an environmental condition which in the past would have been considered a REC, but has been satisfactorily addressed in such a manner that it is not considered to be a current REC.

- Sanfilippo Property – This site entered the Site Remediation Program and had a full soil and groundwater site assessment completed on site. Soil and groundwater contamination above background levels was identified on site, but not above site-specific remediation objectives that were created as a part of the investigation. The site received a Comprehensive No Further Remediation letter which contained Institutional Controls including a land use restriction to Industrial/Commercial development, and a groundwater use restriction.

De minimis conditions generally do not present a material risk of harm to public health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

- Transformers – Two pad mounted transformers have been identified on the Property, neither has non-PCB identification, and one transformer is no longer sitting correctly on the ground. No staining, leaks, or stressed vegetation was identified around these transformers, indicating a de minimis condition.

A business environmental risk is a risk which can have a material, environmental, or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.

- Due to the fact that hospital operations have occurred at the Property for over 60 years and no demolition report was provided as a part of this assessment, it is possible contaminated soils or additional issues were encountered.

Opinion

It is the opinion of Jimmy Wiesbrock, Bill Carrig, and Julie Oriano, Environmental Professionals of Stanley Consultants Inc., that the investigation has identified RECs in connection with the Property and a Phase II Environmental Site Assessment is recommended to determine potential soil and groundwater impacts.

Introduction

1.1 Purpose

The purpose of a Phase I Environmental Site Assessment (ESA) is to satisfy the All Appropriate Inquiries (AAI) requirement of the Comprehensive Environmental Response Cleanup and Liability Act (CERCLA), to permit the user to satisfy one of the requirements to qualify for the innocent landowner defense. To claim protection from liability under CERCLA as an innocent landowner, a contiguous property owner, or a bona fide prospective purchaser, the user must conduct AAI prior to acquiring ownership of the property and comply with all continuing obligations after acquiring the property.

The AAI process requires inquiry into the previous ownership and uses of the property and to identify recognized environmental conditions (REC). The American Society for Testing and Materials (ASTM) E1527-13 defines a REC as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.” The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

1.2 Scope of Services

This Phase I ESA was completed in accordance with Stanley Consultants Inc. contract with the Capital Development Board. This Phase I ESA was completed in general conformance with the scope and limitations of ASTM E1527-13 and complies with standards and practices set forth in 40 Code of Federal Regulations (CFR) Part 312 for AAI. The objective of this Phase I ESA is to identify, to the extent feasible pursuant to the process prescribed in, RECs in connection with the Property.

The Client requested this Phase I ESA to identify RECs as to satisfy the AAI requirement before acquiring the Property.

According to ASTM E1527-13, a Phase I ESA shall have four components, described as follows:

- *Records Review* - The purpose of the records review is to obtain and review records that will help identify RECs in connection with the Property.
- *Site Reconnaissance* - The purpose of the site reconnaissance is to visually and/or physically observe the Property (including structures) and, to the practical extent, the adjoining properties to obtain information indicating the likelihood of identifying RECs in connection with the Property.
- *Interviews* - Interviews with present and past owners, operators, and occupants of the Property and interviews with state and/or local government officials to the extent they are reasonably available are performed to help identify RECs in connection with the Property.
- *Report* - The purpose of the report is to document the activities performed during the assessment and to provide information supporting the findings, opinions and conclusions.

There may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of ASTM E1527-13 (non-scope services). Some substances may be present on a property in quantities and under conditions that may lead to contamination of the Property or of nearby properties but are not included in CERCLA's definition of hazardous substances or do not otherwise present potential CERCLA liability.

The following activities are not required by ASTM 1527-13 or AAI, and were excluded from the scope of work for this Phase I ESA:

- Asbestos-Containing Building Materials
- Biological agents
- Cultural and historic resources
- Ecological resources
- Endangered species
- Health and safety
- Indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment
- Industrial hygiene
- Lead-Based Paint
- Lead in Drinking Water
- Mold
- Radon
- Regulatory compliance
- Wetlands
- Testing or sampling of materials (e.g. soil, water, air, or building materials).

1.3 Property Description

The Property is located at 750 South State Street, Elgin, Illinois. According to the Kane County GIS website, the Property includes portions of two parcels (06-23-400-017 and 06-26-201-016) approximately 7 acres in size total. The Property contains primarily vacant land that was formerly developed but remains part of the Elgin Mental Health Center. The Property is primarily covered in grass with some trees and some paved sidewalks. Roads separate the area between former general hospital portion, and the east and west areas. The areas in question are areas of new construction as a part of the Elgin Mental Health Center.

The Property is a part of the overall complex of the Elgin Mental Health Center, including areas planned for future development. The areas included are the park south of Assembly Hall, the former general hospital (north of the rehabilitation building), and the area east of the former general hospital. The primary future construction area is the area of the former general hospital, east of Assembly Hall, south of Middle Road, and north of the rehabilitation building. The areas west and east of this area were included for utility and drainage additions. The Property is located west of South State Street, east of Soldiers Road, south of Middle Road and north of the W Road, and is in Section 23, Township 41N, Range 8E, and Section 26, Township 41N, Range 8E, Kane County, Illinois. The Property is currently owned by the State of Illinois. The Property is shown on Figure 1, Property Location and Figure 2, Property Detail in Appendix A.

1.4 Limiting Conditions

The following limitations were encountered during this assessment:

- Paved areas (i.e. parking lots and sidewalks) and buildings inhibited the Environmental Professional from observing ground surfaces across the entirety of the assessment area.
- Steam tunnels identified on the west side of the park south of Assembly Hall and in the northeastern and northwestern portions of the former general hospital area were not entered during this site assessment.

1.5 Deviations

The following deviations occurred during this assessment:

- Historical resources were not available at five-year intervals for the time in which the Property was developed as discussed in Section 3.4. Data missing includes prior to 1925 and from 1930-1934.
- Records were not identified for the site going back to when the site was undeveloped.

1.6 Significant Assumptions

Stanley Consultants Inc. made the following assumptions for this assessment:

- Property specific groundwater elevation information was not identified; therefore, the direction of regional groundwater is inferred to follow surface topography.

- Specific Property/site assessment boundaries were not marked. The assessment was based on approximate areas where future construction was anticipated to occur.

1.7 Special Terms and Conditions

Stanley Consultants Inc. obtained information regarding practices, conditions, and other data from the client and/or the Property owner/operator during the performance of the Phase I ESA. Stanley Consultants Inc. is relying on the accuracy of this information for the preparation of this report. Stanley Consultants Inc. assumes no liability or responsibility for the accuracy, precision, misrepresentation, or withholding of information by the client and/or Property owner/operator or for items not visible, accessible, or present on-site at the time of investigation.

All recommendations and/or advice presented in this document are Stanley Consultant Inc.'s and the Environmental Professional's opinions of probable project conditions. Project conditions are based on the information and data sources that are readily available to us, input by the owner, and other reliable sources, all of which are believed to be accurate. Our recommendations and/or advice are made based on our experience and represent our judgment and opinions. We have no control over new and/or non-public information or changed conditions. Therefore, we do not guarantee that actual conditions will not vary from those presented in this report.

The findings set forth in this Phase I ESA Report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed upon services or the time and budgeting restraints imposed by the Client.

User Provided Information

Stanley Consultants interviewed Mr. Dave Arvans, Chief Engineer at the Property, to obtain user provided information pertaining to the Property. Mr. Arvans provided answers to questions set forth in Appendix X3: User Questionnaire of ASTM E1527-13. Interview documentation is included as Appendix B of this report.

2.1 Environmental Liens

Mr. Arvans was unaware of any environmental cleanup liens against the Property.

2.2 Activity Use Limitations

Mr. Arvans was unaware of activity use limitations that are in place at the Property.

2.3 Specialized Knowledge

Mr. Arvans discussed how the Elgin Mental Health Center originally covered a much larger area north of the Property and sold most of it to Sanfilippo with the exception of the power plant.

2.4 Valuation Reduction for Environmental Issues

Mr. Arvans was unaware of any valuation reduction for environmental issues associated with the site.

2.5 Commonly Known or Reasonably Ascertainable Information

Mr. Arvans stated the Property is currently a part of the Elgin Mental Health Center and has been operated as part of the facility since development.

2.6 Obviousness of Contamination

Mr. Arvans does not know of any spills, chemical releases, or environmental cleanups at the Property but mentioned that storage tanks were present or once were present as a part of the

greater Elgin Mental Health Center. He also does not believe there are obvious indicators that show the likely presence of contamination at the Property.

2.7 Title Records

Title records were not provided to Stanley Consultants for review and a chain-of-title was not included as part of this assessment.

2.8 Owner, Property Manager, and Occupant Information

The Property is currently owned by the State of Illinois. The Property is a portion of the larger Elgin Mental Health Center.

2.9 Reason for Performing Phase I Environmental Site Assessment

The Client requested this Phase I ESA to satisfy the AAI requirements before redevelopment of the Property.

2.10 Continuing Obligations

The purpose of a Phase I ESA is usually to qualify for the landowner liability protections to CERCLA Liability as described in ASTM E1527-13. To qualify for Landowner Liability Protection (LLP), the User must satisfy several statutory requirements that are generally referred to as Continuing Obligations, which are outside the Scope of Services of the Phase I ESA. Examples of Continuing Obligations include providing legally required notices, stopping continuing releases, and complying with land use restrictions. Failure to comply with these and other statutory post-acquisition requirements will jeopardize liability protection.

It is the responsibility of the User to comply with the Continuing Obligations requirements of ASTM E1527-13 and AAI. Anyone seeking LLP protections should take independent action beyond this Phase I ESA to protect their position.

Records Review

3.1 Physical Setting Sources

The Property is currently owned by the State of Illinois. The Property is accessible by a Middle Road off of South State Street. The surrounding properties to the south and west remain parts of the Elgin Mental Health Center and are owned by the State of Illinois. These areas include patient housing to the west, assembly buildings, rehab building, psychiatric complex, and administration buildings. The property to the north is currently vacant, formerly developed portions of the Elgin Mental Health Center, currently owned by the City of Elgin. Across State Street to the east is a police station, Fox Water Reclamation District, and the Fox River.

3.1.1 Topography

According to topographic maps obtained from Environmental Data Resources (EDR), regional topography generally slopes to the southeast toward the Fox River. The site is located at an elevation of approximately 739 feet above Mean Sea Level (MSL). Surface water runoff from the site generally flows in a southeastern direction toward the Fox River, located approximately 0.30 miles southeast of the site.

3.1.2 Geology and Soils

Based on United States Department of Agriculture Natural Resource Conservation Service (NRCS) soil survey mapping for the area, the dominant soil composition in the area is Waupecan silt loam. This soil composition has moderate infiltration rates, is deep and moderately deep, moderately well and well-drained soils with moderately coarse textures. The soil depth is 0-59 inches with four different layers; the first two layers are loam while the deepest soil layer is loamy sand.

3.1.3 Hydrogeology

Groundwater flow will likely be in a southeastern direction towards the Fox River. According to the wells listed in the EDR report and the IL Water online database, groundwater in the

area is between 11 and 60 feet below ground surface. The wells installed at the Sanfilippo site north of the Property as a part of the remedial action indicate groundwater between 26.01 feet and 49.98 feet below ground surface.

3.2 Standard Environmental Record Sources

Environmental regulatory agency database information was collected for Stanley Consultants by EDR, a firm that specializes in environment records review. The EDR Radius Map Report (EDR Report), included as Appendix C, documents the database search of the federal, state, and tribal database records for sites up to a one-mile radius from the Property.

The search distances for the standard environmental records and findings are included on page 4 through 7 of the EDR Report: “Map Findings Summary”. A summary of all the government records searched and data tracking records are listed on pages GR-1 through GR-28 in the EDR Report. The standard environmental federal and state records are presented below.

3.2.1 Federal Records

Standard Federal Records Searched

- National Priorities List (NPL)
- Proposed National Priority List Sites - Proposed NPL
- Federal Superfund Liens – NPL LIENS
- National Priority List Deletions - Delisted NPL
- Comprehensive Environmental Response, Compensation, and Liability Information System- CERCLIS
- Federal Facility Site Information Listing – FEDERAL FACILITY
- Facility Index System – FINDS
- CERCLIS Superfund Enterprise Management System – SEMS
- List of handlers with Resource Conservation and Recovery Act (RCRA) Corrective Action Activity – CORRACTS
- RCRA – Treatment, Storage and Disposal - RCRA-TSDF
- RCRA – Very Small Quantity Generators – RCRA-VSQG
- Engineering Controls Sites List – US ENG CONTROLS
- Sites with Institutional Controls – US INST CONTROL
- Navy Land Use Controls - LUCIS
- Emergency Response Notification System – ERNS
- US Brownfields – US BROWNFIELDS

3.2.2 State and Tribal Records

State and Tribal Records Searched

- CERCLA/ Uncontrolled Sites File List – IL SSU

- Solid Waste Landfills- IL CCDD, IL SWF/LF, IL LF SPECIAL WASTE, IL NIPC
- Leaking Underground Storage Tank Data – IL LUST and IL LUST TRUST
- Leaking Underground Storage Tanks located on Indian Land - INDIAN LUST
- Registered Underground Storage Tanks – FEMA UST
- Iowa Aboveground Storage Tank Sites – IL AST
- Underground Storage Tanks on Indian Land - INDIAN UST
- Sites with Engineering Controls – IL ENG CONTROLS
- Indian Voluntary Cleanup Priority Listing – INDIAN VCP
- Brownfields – IL BROWNFIELDS
- SDPH Storage Tanks – IL TANKS
- State Spills – IL SPILLS

Federal and State Records Search Results

Properties identified as potential concerns are listed below along with relevant information. Additional properties within the ASTM radius standards of the Property are listed in the Map Findings of the EDR Radius Report in Appendix C.

- The property at 750 South State Street is listed as Elgin Mental Health Center, Elgin Mental Health CTR, DHS Elgin Mental Health CTR., and Illinois Racing Board Laboratory (EDR Map IDs A1 – A5). The Property is a part of the Elgin Mental Health Center Facility. This site is listed in the IL LUST, IL Institutional Control, IL SRP, IL UST, RCRA NonGen/NLR, FINDS, ECHO, NY Manifest, RCRA-SQG, ICIS, FTTS, Historical FTTS, and US AIRS databases.

The LUST database lists Incident 20190547 as a diesel release occurring in 2019. A 45 day report is identified as having been received in July 2019. No NFR Letter is reported by the EDR Report. Additional records for this release were identified in the IEPA Document explorer and listed this release as having occurred 0.30 miles north of the Property, as a part of the Sanfilippo property, and is considered crossgradient of the Property. Additional information is provided below.

The EDR Report lists institutional controls for the Property as part of an NFR letter dated April and May 2007. The site lists an Industrial/Commercial land use restriction as well as a ground water use restriction. This restriction was a part of the SRP remediation efforts on the Sanfilippo property to the north of the assessment Property. The SRP ID for Illinois is 894385115, and the NFR is still considered effective.

The EDR Report lists the Sanfilippo site as having five diesel fuel USTs removed, two gasoline USTs removed, and one heating oil UST removed. None of the removed USTs are listed by the EDR report as having leaked, and none were over 2000-gallons in storage capacity. One diesel UST and one gasoline UST are listed as moved, however it is unclear where they were moved from or to. One 1,000-gallon diesel UST is listed as currently in use on the site, with composite secondary containment and corrosion

protected piping. The Sanfilippo site would be considered a controlled REC in connection with the Property.

The DHS Elgin Mental Health Center site is listed as having a release with an ID of 981699. The EDR report lists a 20-day report and a Non-LUST determination letter. Additional information on this incident was identified in the IEPA Document Viewer and is provided below.

The Illinois Racing Board Laboratory, a part of the Elgin Mental Health Center, is considered a Non-Generator by RCRA. The site handles ignitable, corrosive, halogenated solvents, nonhalogenated solvents, and other wastes. No violations are identified.

The Elgin Mental Health Center is listed as a small quantity generator, generating less than 1000 kg of waste per month. No violations are identified. This site is also listed with three LUST releases, Incidents 891217, 940022, and 981344. Incident 891217 was a release of gasoline to the site in 1989. This incident has received a NFR Letter in 2012. Incident 940022 was a release in 1994. The EDR report lists a 20 Day report received in 1994, and a heating oil date in 1994. This release does not have a NFR Letter. Incident 981344 was a release of diesel fuel in 1998. The 45-day report was received in 1998, and the NFR Letter was sent and recorded in 1999. Additional information on these releases was reviewed in the IEPA Document Viewer and is provided below.

The greater Elgin Mental Health Center is considered to be a REC in connection with the Property, as the site has had several LUST incidents and USTs on the site. While most have been addressed, the potential presence of additional USTs and soil contamination from LUST incidents represent a potential material threat to the Property.

- The property at the corner of Route 31 and Dana Street is listed as Fox River Water Reclamation District and Waste Treatment Plant Fox River Ward (EDR Map IDs B6 and B7). The sites are listed in the IL UST and IL LUST databases. These sites are located approximately 0.10 miles southeast of the Property, at a lower elevation.

The site is identified as have one heating oil UST that was removed in 2001. The LUST report lists the product that was released as Other Petroleum. The release was discovered during removal of the UST. No NFR letter is identified. This site is not considered to be a REC in connection with the Property due to the downgradient location of the site in relation to the Property.

- The property listed at 595 S State St is listed as IL Central Management Service Department of Vehicles (EDR Map ID B8). This site is listed in the RCRA NonGen/NLR database and is located approximately 0.10 miles southeast of the Property, at a lower elevation.

The site is listed as a non-generator/handler of hazardous waste and has historically been classified as a large quantity generator. Waste handled on site includes spent halogenated solvents including tetrachloroethylene, trichloroethylene, methylene chloride, and others. No violates are identified. This site is not considered to be a REC in connection with the Property due to the downgradient location of the site in relation to the Property.

- The property at 777 S State St is listed as IL Department of State Police (EDR Map ID B9). This site is listed in the IL UST database. This site is located approximately 0.10 miles southeast of the Property, at a lower elevation.

The site is listed as having one gasoline UST that was last used in 1980. The tank is listed as having been removed but does not have a removal date identified. This site is not considered to be a REC in connection with the Property due to the downgradient location of the site in relation to the Property.

- The property at 875 S State St is listed as Elgin Sanitary District (EDR Map ID B10 and 11). This site is listed in the IL UST and IL Impdment databases. This site is located approximately 0.20 miles southeast of the Property, at a lower elevation.

The site is listed as having one 6,000-gallon UST with an unknown material and unknown status. The facility status is listed as exempt. The Impdment database lists the site as having an NPDES permit (#IL0035891). This site is not considered to be a REC in connection with the Property due to the downgradient location of the site in relation to the Property.

- The property at 2051 North La Fox is listed as AIP Products (EDR Map ID 12). This site is listed in the IL LUST database and is located approximately 0.25 miles south of the Property, at a lower elevation.

The site is listed as having a release of gasoline in 1994, and received a NFR Letter in 2003. This site is not considered to be a REC in connection with the Property due to the downgradient location of the site in relation to the Property.

- The property at Route 31 is listed as Central Blacktop Company (EDR Map ID 13). This site is listed in the IL LUST database and is located approximately 0.30 miles southwest of the Property, at a lower elevation.

This site is listed as having releases of diesel fuel and used oil in 1991. This site also received a NFR letter in 1997. This site is not considered to be a REC in connection with the Property due to the downgradient location of the site in relation to the Property.

- The property at 363 Bluff City Blvd. is listed as Fox Group II (EDR Map ID 14). This site is listed in the SEMS-Archive, CORRACTS, IL LUST, RCRA NonGen/NLR, FINDS, and ECHO databases. This site is located approximately 0.76 miles east northeast of the Property, at a lower elevation.

The site is considered to not be on the National Priority List of sites based on existing information. The site was listed as Elgin Metal Casket Company. The site had a release of “other petroleum” in 1999, and received a NFR letter in 2000. The site is formerly considered a small quantity generator and is currently considered a handler of hazardous waste, including nonhalogenated solvents. No violations are identified for the site. This site is not considered to be a REC in connection with the Property due to the downgradient location of the site in relation to the Property.

- The property at 1122 St Charles St. is listed as DSM Desotech Inc. (EDR Map ID 15). This site is listed in the SEMS-Archive, CORRACTS, RCRA-LQG, RAATS, FTTS, Hist FTTS, US Airs, FINDS, ECHO, and WI Manifest databases. This site is located approximately 0.76 miles east southeast of the Property, at a lower elevation.

This site is not on the National Priority List of sites, and it was deferred to RCRA. This site is considered a large quantity generator of hazardous waste, including lamps, batteries, ignitable, corrosive, reactive, metals, halogenated and nonhalogenated solvents, and others. This site was considered low priority for corrective action and has had violations. This site is not considered to be a REC in connection with the Property due to the downgradient location of the site in relation to the Property.

- The property at 32 National Street is listed as Elgin American Gas Company (EDR Map ID 16). This site is listed in the EDR MGP database and is located approximately 0.91 miles north northeast of the Property, at a higher elevation.

This site is a manufactured gas plant and no other information is identified by the EDR report. This site is not considered to be a REC in connection with the Property due to the downgradient location of the site in relation to the Property.

- No sites were listed on Tribal databases searched by EDR.

Additional Database Records

Additional environmental records that were searched by EDR and the search distances are listed on pages 5 through 6 of the EDR Report in Appendix C.

Orphan Sites

Two sites are identified as Orphan sites by the EDR report. Brownstone Development, LLC located at the NE corner of South Liberty & Villa Street and Ace Coffee Bar located at 601 East Lake Street are both identified in the IL LUST database. Both sites are listed as having releases and have both received NFR letters. Neither of these sites are considered to be a REC in connection with the Property.

Vapor Encroachment Conditions

Sites were surveyed for vapor encroachment using EDR's Vapor Encroachment Conditions (VEC) application. A copy of the VEC report is included in Appendix C. The VEC report does not list any of the properties as potential for vapor encroachment onto the subject Property. However, the exact location of one UST in the Mental Health Center is unknown, and the EDR identified currently in use diesel UST on the Sanfilippo site, there is still the possibility of Vapor Encroachment to the Property.

3.3 Additional Environmental Records

Stanley Consultants reviewed the Illinois EPA Document Explorer and the Illinois State Fire Marshall Office's online databases for additional information on the Property.

The Illinois EPA Document Explorer identified 49 documents on the Elgin Mental Health Center, including one Air Permit for four boilers located on the site, 35 LUST documents, and 13 Site Remediation documents.

AIR Permit			
1	Lifetime Operating Permit	1/24/2017	2- Natural Gas Fired Boilers and 2 Natural Gas/Fuel Oil Backup Boilers
LUST Documents			
1	Incident Oversight Transfer	7/18/89	Incident Oversight Transfer - 891217
2	Contingency Plan and Waste Profile Sheet	8/4/89	Contingency Plan for Incident 891217
3	IEPA Letter	4/18/90	IEPA Letter requesting Corrective Action Report
4	UST Closure Report	6/19/90	UST Closure/Corrective Action Report
5	IEPA Letter	6/28/90	IEPA Letter requesting confirmation samples
6	Field Report	1/4/94	Field Report for Incident 940022
7	20 Day Certification	2/17/94	20 Day Certification for 940022
8	UST removal report	10/11/94	Corrective Action report for Incident 940022, Request for Closure
9	Site Identification Form	11/30/94	Site Identification form for Incident 940022
10	IEPA Correspondence	12/27/94	Incident 940022 – Heating Oil, no corrective action necessary
11	Field Report	6/5/98	Incident 981344, delivery overspill, less than 1 gallon was released Clean soil

			samples were collected
12	20 Day Certification	6/30/98	Form Lists Elgin MHC as the owner of the UST
13	Field Report	7/13/98	2-1000-gallon USTs failed tightness tests, Incident 981699
14	45 Day Report	7/28/98	Incident 981344, diesel spill, 2 USTs removed from the site, all samples collected were below limits, Chiller house, southwest of Property
15	IEPA Correspondence	8/4/98	Incident 981344
16	20 Day Certification	8/3/98	20 Day Certification for Incident 981699
17	20 Day Certification Form	8/10/98	20 Day Certification Form for Incident 981699
18	Premature Reporting of Incident	10/5/98	Prematurely reported Incident 981699, request to void the Incident
19	IEPA Correspondence	11/12/98	IEPA has no requirements for Incident 981344 unless entered in the SRP
20	45 Day Report Addendum Letter	11/20/98	Letter that addresses disposal of soil in relation to Incident 981344, Request for NFR
21	IEPA Correspondence	11/30/98	Nullifies correspondence on 11/12/98, Should have been for incident 981699
22	LUST Technical Review Notes	2/25/99	Notes for Incident 981344
23	LUST Ownership Form	3/11/99	Ownership of Incident 981344 as The State of Illinois/Dept of Human Services/Elgin MHC

24	Elgin MHC Description	3/12/99	Property Description for the Elgin MHC
25	IEPA Correspondence and No Further Remediation Letter	3/22/99	NFR for Incident 981344
26	Addendum to 45 Day report	3/22/99	Legal Description for the Site as an addendum to the Ownership form. Incident 981344
27	IEPA Correspondence	6/25/99	IEPA has not received a certified NFR letter Incident 981344
28	Certified NFR Letter	7/7/99	Certified NFR Letter to IEPA for Incident 981344
29	IEPA Correspondence	9/4/12	NFR for incident 891217
30	Hazardous Materials Incident Report	5/31/19	Diesel Fuel Spill Release to soil at Lat/Long 42.0212, - 88.2845
31	IEPA LUST Program Correspondence	6/7/19	LUST incident 20190547, Requirements for LUST program
32	45 Day Report	7/17/19	45 Day Report for diesel release 20190547, no samples exceeded background concentrations
33	LUST Technical Review Notes	8/13/19	IEPA States that additional samples requested, but the 45 Day Report should be approved. Incident 20190547
34	IEPA Correspondence	8/20/19	IEPA Correspondence, state the 45 Day Report was reviewed, Incident 20190547
35	Corrected IEPA Correspondence Document 34	8/20/19	IEPA rejected the 45 Day Report for Incident 20190547 due to additional sampling

			requirements
SRP Documents			
1	Appendix C – Sampling Protocols	11/23/05	Appendices for the Pioneer SRP work on the Elgin MHC
2	SRP Program Remediation Objective Report and Remedial Action Completion Report	11/23/05	SIR-ROR/RACR for the Sanfilippo property purchased from the Elgin MHC. Residual contamination on the site can be managed in place with institutional controls. NFR Letter Requested.
3	IEPA Correspondence	1/6/06	ROR/RACR temporarily denied due to use of chloroethylene/laundry building and formerly stockpiled coal.
4	Response to IEPA Comments	5/26/06	Additional investigation was conducted to address EPA comments, and remnant coal was removed from the site.
5	IEPA Correspondence – Draft NFR Letter	2/7/07	Draft NFR Letter in response to the Response to Comments.
6	Pioneer Correspondence	3/30/07	Request for Final NFR Letter
7	SRP Project Summary	4/18/07	Summary of SRP activities at the Elgin MHC and RECs associated with the site
8	Comprehensive NFR Letter	4/25/07	NFR Letter from IEPA, the site has Institutional Controls for Groundwater and Industrial/Commercial restrictions
9	Right to Know Evaluation	4/25/07	Evaluation from the Bureau of Land stating the site does not require any further evaluation

10	IEPA Correspondence	7/24/07	IEPA has not received the certified NFR for the site
11	Certified NFR	8/2/07	Certified NFR Letter sent to IEPA
12	NFR Inspection Evaluation Document	1/31/13	Form Indicates the site is consistent with its land use and groundwater use restrictions.
13	NFR Inspection Evaluation Document	6/24/19	Form Indicates the site is consistent with its land use and groundwater use restrictions.

LUST documents have a gasoline release occurring in 1989 (Incident 891217) and the tanks were removed in 1989. These tanks were located Northwest of the Property on land currently owned by the City of Elgin, formerly owned by Sanfilippo, west of the current power house. The contaminated soil was removed; however, no confirmation samples were collected, and no odors or water were detected in temporary well screens. This release received a NFR Letter in 2012. A leaking heating oil UST was discovered in 1994 (Incident 940022) and removed at the same time as discovery. This tanks location is unknown. No corrective action was deemed necessary for this release as it was a heating oil tank last operated prior to 1974. A 45 Day Report lists a 550-gallon LUST being removed in 1998 (Incident 981344), however the release was contained to the backfill material and confirmation samples were clean. This UST was located southwest of the Property, near the Chiller building. A separate 2000-gallon UST was removed from the Medical Building with no release identified. This release received a NFR letter in 1999. The site had a prematurely identified release (Incident 981699), and that no release had occurred as a result of this UST. The IEPA stated they have no reporting requirements for this incident number. A diesel fuel release was identified in 2019. The release that occurred in 2019 (Incident 20190547) is located north of the Property at coordinates 42.0212, -88.284, approximately 0.30 miles away from the Property. This location is cross gradient from the Property. Confirmation samples were identified to be below the cleanup objectives. The 45-day report was rejected due to not collecting enough confirmation samples.

SRP documents state the Sanfilippo site had RECs including: a manmade lake that was filled with unknown fill material, coal fired boilers and coal storage at the administrative building, an oil house and disinfecting house, presence of ASTs and USTs, historic PCB containing transformers, laundry buildings, waste chloroethylene observed on-site. A Site Inspection Report – Remedial Objective Report/Remedial Action Completion Report (SIR-ROR/RACR) identifies soil contamination above established background values but are within the range of published background concentrations and are indicative of natural conditions at the site. Groundwater analysis identified only lead exceeding the Class I groundwater remediation objectives at one location. Additional evaluation created site specific remediation objectives and removed lead and benzo(a)pyrene as COCs at the remediation site. The SIR-ROR/RACR states that issues at the

site can be managed with an industrial/commercial land use restriction, an institutional control preventing the potable use of groundwater at the site, and any contaminated soil disturbed at the site must be handled with all laws and regulations. The site also had approximately 12.3 tons of remnant coal excavated and removed. A This site has received a NFR letter from the IEPA in 2007. The Sanfilippo site is considered a Controlled REC in connection with the Property.

A Terracon Phase I, completed April 13, 2004, is identified as an appendix to the SIR-ROR/RACR. This site assessment was completed on the Sanfilippo property, formerly a part of the Elgin Mental Health Center. Terracon states the Sanfilippo property was associated with mental health care beginning in 1872 and was occupied by farmland and associated homesteads prior to the Elgin Mental Health Center. This Phase I identified two USTs, use of chloroethylene/laundry facilities on the Sanfilippo site, drums, historical PCB containing transformers/abandoned transformer, heating oil ASTs, and a coal staging area as RECs in connection with the Sanfilippo property. A Sanborn map identified from 1913 do not show the general hospital building or the building to the east of the hospital, indicating they were built after 1913. A Sanborn map from 1950 shows the General Hospital building and the Diagnostic building developed, as well as a small building west of the Hospital. No tanks are identified on the Property based on these maps. Two USTs identified by the Phase I as being southwest of the Sanfilippo site, on the active Elgin Mental Health Center. Additional information identified one of these USTs was removed in 2019 had an identified release. This UST was located 0.30 miles north of the Property, located cross gradient from the Property.

These documents for the Sanfilippo site (former portions of the Elgin Mental Health Center) north of the Property are included in Appendix D.

Stanley Consultants reviewed the Storage Tank database through the IEPA and State Fire Marshall Office to determine the nature of the UST at the sites that are upgradient of the Property. Tanks identified at the Elgin Mental Health Center have either been removed, moved, and one is listed as currently in use. The currently in use tank contains diesel fuel and is used as a back up generator. This tank has leak detect systems, a single wall tank top sump, and single wall spill buckets. This tank was installed in 1998, and the exact location of the tank is not known. OSFM tank details are included in Appendix D.

Stanley Consultants reviewed the IEPA LUST and IEPA SRP databases on July 16, 2020. The LUST database lists 5 incidents, with additional information provided above from the IL Document Viewer. Locations approximated in the LUST database show these incidents to be located southwest of the Property, cross gradient of the Property. The SRP database shows the Sanfilippo site.

Stanley Consultants reviewed the US EPA Envirofacts database on July 17, 2020 to obtain additional resources or to verify results of the EDR Radius Report within the Project boundaries, The Elgin Mental Health Center is listed in the National Compliance Database, the Emission Inventory System, the Air Facility System, Agency Compliance and Enforcement Systems, ICIS AIR, and the RCRA Info databases. Envirofacts list the site as being in compliance for all of its permits as of the most recent inspections.

3.4 Historical Use Information

Aerial photographs, historical topographic maps, Sanborn Maps, and city directories for 750 South State Street were obtained from EDR and reviewed by Stanley Consultants. The records review is summarized below, and the records are provided in Appendix E of this report.

Table 3-1 Historical Records Reviewed

Years (5-year increments)	Historical Records Reviewed
1920-1924	No Data Available, Not back to Undeveloped
1925-1929	1925 Topographic Map
1930-1934	No Data Available
1935-1939	1938 Aerial Photograph
1940-1944	1940 Topographic Map
1945-1949	1946 Aerial Photograph
1950-1954	1953 Aerial Photograph
1955-1959	1958 Aerial Photograph, 1959 City Directory
1960-1964	1962 Aerial Photograph, 1962 City Directory, 1962/1964 Topographic Map
1965-1969	1966 City Directory
1970-1974	1972 Aerial Photograph, 1972 City Directory, 1975 Topographic Map
1974-1979	1974 Aerial Photograph, 1976 City Directory
1980-1984	1980 Aerial Photograph, 1980 Topographic Map, 1981 City Directory
1985-1989	1986 City Directory, 1988 Aerial Photograph
1990-1994	1992 City Directory, 1994 Aerial Photograph
1995-1999	1995 City Directory, 1998 Topographic Map, 1999 Aerial Photograph
2000-2004	2000 City Directory
2005-2009	2005 City Directory, 2007 Aerial Photograph
2010-2014	2010 and 2014 City Directories, 2011 and 2014 Aerial Photographs, 2012 Topographic Map
2015-2019	2017 Aerial Photograph, 2017 City Directory

No Sanborn Maps were available for the Property.

The 1938 aerial photograph shows the hospital buildings on the Property, but portions are covered by lettering on the aerial. The facilities on the Property and the surrounding portions of the Mental Health Center remain largely the same from 1938 through 1962. The 1962 aerial shows additional developments across the road to the east, as well as a parking lot to the south of the hospital. The 1972 aerial shows additional developments south of the Property and to the east, across State Street. The 1972 aerial also shows three Elgin Mental Health Center buildings southwest of the Property were demolished between 1962 and 1972. The Property and surrounding area remain similar through the 1999 aerial. The hospital and adjacent building to the

east were demolished between 1999 and 2007. The 2007 aerial shows the buildings on the Property have been demolished and there are no longer any structures on the Property. The Property and surrounding area remain similar through the 2017 aerial.

The first available historical topographic map was from 1925 shows development on the Property, and to the north and south. Additional developments in the surrounding areas are shown in each topographic map up through 1980. The 1998 map does not show development at the Property, nor does it show other buildings of the Elgin Mental Health Center, however it is shaded red, indicating dense concentration of buildings. The 2012 map does not show any development on the Property, it should be noted that the most recent topographic maps do not show buildings, only roads, parks and water. All of the maps show the ground sloping to the southeast, toward the Fox River.

The 1959 through 1972 City Directories for 750 S State Street lists the Elgin State Hospital and Daniel Hasfron. Additional listings at that address in that time period include Aurora Elgin & Fox River Electric Company, the Mendel Research Laboratory, and the State Veterans Service Division. The 1976 directory lists the site as the Elgin Mental Health Center. Additional health services are listed at the Mental Health Center through 2014. The 2017 directory lists the property address as State of Illinois. The state police is listed at 777 S State Street from 1972 to 2010.

Site Reconnaissance

4.1 Methodology

On July 14, 2020, Jimmy Wiesbrock of Stanley Consultants visited the Property to evaluate present use and to identify observable environmental conditions at the Property. The methodology involved walking the perimeters center lines of the Property while noting observed evidence of present and potential environmental concerns. A photo log of the site visit is included in Appendix A.

4.2 Limiting Conditions

Findings are based on the Property conditions observed on July 14, 2020. Small areas of the Property were paved which resulted in not being able to view the ground surface in these locations.

4.3 General Site Setting

The site is currently owned by the City of Elgin and is part of the Elgin Mental Health Center.

4.4 Exterior Observations

The Property is part of the Elgin Mental Health Center and is currently vacant land with no current structures. The Property is planned for a future development of a power plant. The center portion, and primary site for future development, has two transformers located on the east side of the land. One appears to be pad mounted, and the other is tilting backwards. Neither transformer showed non-PCB markings. No staining or stressed vegetation were identified around the transformers or the Property. The remains of a sidewalk are located in the south side of the land. Several portable generators are located in the parking lot south of the former hospital area. They appear to be new and in good condition. The area to the west is the potential area for utility tie ins to the future construction. This area is primarily operated as a park between two buildings. Steam tunnel vents are located on the far west side of the park area. These tunnels were not accessed

during the site assessment. The area to the east is currently undeveloped and is not used. It was historically developed as a part of the Mental Health Center. A road offshoot enters this area of the Property from the east. A storm drain is located on the south side of this area of the property, north of W Road. Portable generators were located south of the Property area in the parking lot. These appeared relatively new with no identified leaks, staining, or damage. No evidence of solid waste disposal was observed on the site.

4.5 Interior Observations

There are currently no structures on the site, therefore no interior observations were necessary.

4.6 Surrounding Area

The surrounding properties to the south and west remain parts of the Elgin Mental Health Center and are owned by the State of Illinois. These areas include patient housing to the west, assembly buildings, rehab building, psychiatric complex, and administration buildings. The property to the north is currently vacant, formerly developed portions of the Elgin Mental Health Center, currently owned by the City of Elgin. Across State Street to the east is a police station, Fox Water Reclamation District, and the Fox River.

Section 5

Interviews

Interviews or limited inquiries of local officials were attempted and are described below. Interview documentation is in Appendix B.

5.1 Present and Past Owners

Present Owner: The State of Illinois is the current owner of the Property. Mr. Dave Arvans provided answers to the user Questionnaire of ASTM E1527-13. Information obtained from this interview is provided in applicable sections of this report.

Past Owner: The State of Illinois is the historical owner of the Property.

5.2 Present and Past Operators

Present Operator: The Elgin Mental Health Center is the current operator of the Property.

Past Operator: The Elgin Mental Health Center is the historical operator of the Property.

5.3 Present and Past Occupants

Present Occupant: The Elgin Mental Health Center is the current occupant of the Property.

Past Occupant: The Elgin Mental Health Center is the historical occupant of the Property.

5.4 Local Government Officials

Stanley Consultants contacted the City of Elgin by Freedom of Information Request on July 16, 2020 through the City of Elgin's online public records portal. The request was sent to multiple city departments including the building, fire, public works, engineering, and water departments.

The City of Elgin provided documents including engineering permits, demolition permits, repair permits, and UST removal/installation permits. A permit from 1998 states the removal of 1 500-

gallon diesel and 1 2000-gallon gasoline UST, and the installation of 2-1000 diesel tanks. A permit was requested for a 20,000-gallon heating oil AST but was denied. The installed tanks were double walled fiberglass and the piping was steel with fiberglass secondary containment. They have spill containment manholes and overflow protection devices. A letter from the OSFM reviewed a request for the 20,000-gallon heating oil AST. This permit was rejected based on the size of the tank exceeding the maximum limit of 2,500 gallons.

5.5 Interviews with Others

Dave Arvans from Elgin Mental Health Center was interviewed during the site visit. Information he provided is located in applicable sections of this report. No others were interviewed for this report.

Evaluation

6.1 Summary of Findings

The following paragraphs summarize the findings from this Phase I ESA.

6.1.1 Petroleum or Hazardous Substances with Identified Uses

No hazardous containers with identified uses were observed during the site visit.

6.1.2 Petroleum or Hazardous Substance Containers and Unidentified Containers

No petroleum, hazardous substance, or unidentified containers were observed during the site visit.

6.1.3 Storage Tanks

Aboveground Storage Tanks (AST)

No ASTs were observed on the Property during the site visit. Two ASTs were observed at the current power plant located approximately 0.15 miles northeast of the Property. These ASTs contained diesel fuel and were approximately 500- and 10,000-gallon tanks. These ASTs appeared to be in good condition with no staining or obvious leaks.

Underground Storage Tanks (UST)

No USTs were observed on the Property during the site visit. Mr. Arvans was not aware of any USTs on the within the assessment boundary.

6.1.4 Indications of Polychlorinated Biphenyls (PCBs)

Two transformers were identified on site. These transformers appeared in decent condition, with one transformer tipping over on its side. Neither of these transformers had non-PCB identification. Two additional pad mounted transformers were identified across the road to the north of the site. These transformers appeared to be in good condition, however neither had non-PCB identification. No leaks, spills, staining, or stressed vegetation was observed around the transformers.

6.1.5 Indications of Solid Waste Disposal

No indications of solid waste disposal were observed on site during the site visit.

6.1.6 Releases of Petroleum or Hazardous Substances

During the site reconnaissance there were no indications of hazardous substance or petroleum releases. Mr. Arvans was not aware of any releases to the Property.

6.1.7 Groundwater Wells

The IL Water databases did not identify any groundwater wells located at the site and no visual evidence of on-site wells were observed during the site visit. Several Engineering wells were located northeast of the Property as a part of the Elgin State Hospital. These wells do not have much information, and the deepest well was identified at 36 ft bgs.

Five monitoring wells were installed on the Sanfilippo property as a part of their environmental studies. These wells identified elevated lead concentrations and identified groundwater between 20 and 40 ft bgs. These wells were removed after the investigation was concluded.

6.2 Additional Investigations

No additional investigations were performed for this Phase I ESA.

6.3 Data Gaps

Data gaps are defined in ASTM E1527-13 as a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information.

The data gaps in this report are the following:

- Historical resources were not available at five-year intervals for the time in which the Property was developed as discussed in Section 3.4. Data missing includes prior to 1925 and from 1930-1934.
- Records were not identified for the site going back to when the site was undeveloped.
- Steam Tunnels identified on the western portion of the park and old steam tunnels identified on the former General Hospital portion of the Property were not accessed during this assessment.

6.4 Opinion

It is the opinion of Jimmy Wiesbrock, Bill Carrig, and Julie Oriano, Environmental Professionals of Stanley Consultants Inc., that the investigation has identified multiple RECs in association with the Property and a Phase II ESA is recommended


6.5 Qualifications


Jimmy Wiesbrock, Environmental Scientist, has more than 7 years of experience in environmental assessments. Mr. Wiesbrock has a B.S. Degree in Environmental Science and a B.A. Degree in Geoscience from the University of Iowa.

Bill Carrig, Senior Project Manager, has more than 20 years of experience in environmental assessments. Mr. Carrig has a B.S. Degree in Environmental Engineering from Northwestern University.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of this part. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

6.6 Signatures

Prepared by:  Date: 10/8/2020
Jimmy Wiesbrock

Technical Review:  Date: 10/8/2020
Bill Carrig, P.M.P.
Senior Project Manager

Section 7

Non-Scope Services

7.1 Recommendations

It is the recommendation of Jimmy Wiesbrock and Bill Carrig, Environmental Professionals of Stanley Consultants Inc., that RECs have been identified at the Property and a Phase II ESA is recommended.

7.2 Additional Services

No additional services were provided for the Client.

Section 8

References

- ASTM E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, American Society of Testing and Materials, 2013.
- Environmental Data Resources. The EDR Radius Map Report™ with GeoCheck®. Inquiry Number: 06121464.2r. dated July 14, 2020.
- Environmental Data Resources. Historical Topographic Map Report. Inquiry Number: 6121464.4 dated July 14, 2020.
- Environmental Data Resources. Certified Sanborn Map Report. Inquiry Number: 6121464.3 dated July 14, 2020.
- Environmental Data Resources. The EDR Aerial Photo Decade Package. Inquiry Number: 6121464.8, dated July 14, 2020.
- Environmental Data Resources. The EDR City Directory Image Report. Inquiry Number: 6121464.5, dated July 17, 2020.
- Environmental Data Resources. The EDR Vapor Encroachment Screen. Inquiry Number: 06121464.2r, dated July 16, 2020.
- Environmental Protection Agency. Envirofacts database. <https://enviro.epa.gov/>, accessed July 16, 2020.
- Illinois Environmental Protection Agency, Online Document Explorer, accessed July 16, 2020.
- Illinois Environmental Protection Agency, Online Database Search, accessed July 17, 2020.

Illinois State Geological Survey, Illinois Water Well Database. <http://isgs.illinois.edu/ilwater>, accessed July 16, 2020.

Office of the State Fire Marshall, Online UST Lookup. July 16, 2020.

Phase I Questionnaire, Elgin Mental Health Center, David Arvans

Appendix A

Figures and Photo Log



Photo 1: Central portion of the assessment area, view northwest



Photo 2: Transformers located in central portion of the assessment area



Photo 3: View of central portion of the assessment area, view south



Photo 4: Transformers north of the assessment area



Photo 5: Central area of assessment area, view northeast



Photo 6: Western portion of assessment area, view east



Photo 7: Steam tunnel vent western portion of assessment area



Photo 8: Eastern portion of the Property, view south



Photo 9: Eastern portion of the Property, view south



Photo 10: Drain identified on southeastern portion of assessment area



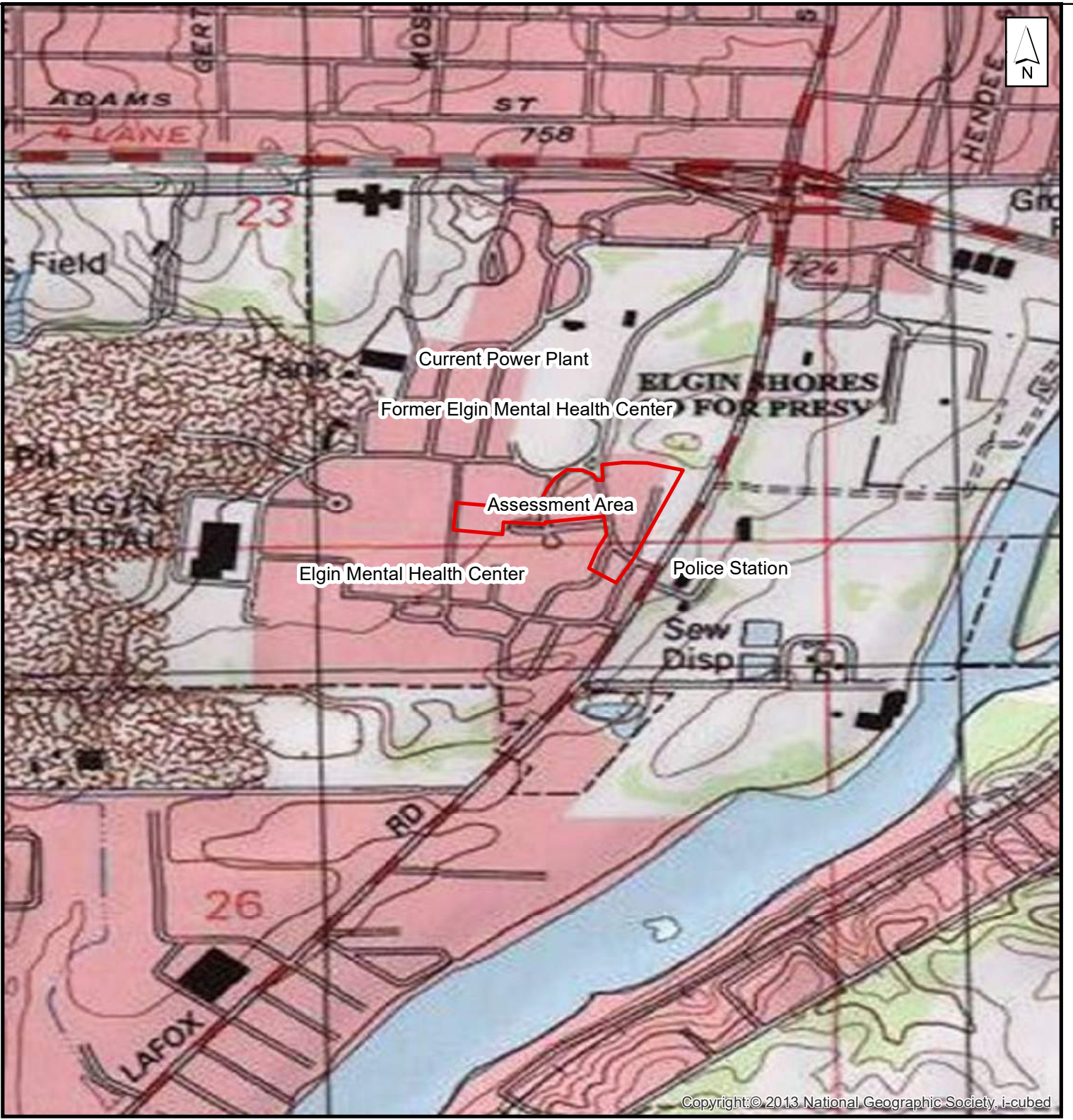
Photo 11: View of piping within the identified drain



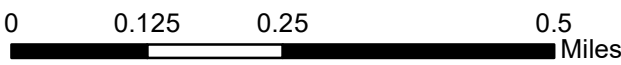
Photo 12: View south of Property from area with drain



Photo 13: Portable Generators on site



Copyright: © 2013 National Geographic Society, i-cubed



July 2020

Legend

Approximate Assessment Boundary ———

FIGURE 1
TOPOGRAPHIC MAP
ELGIN MENTAL HEALTH CENTER
750 SOUTH STATE STREET
ELGIN, IL

\\CY-PWCACHE\IP\Projects\25718\IMXD\MonroeCounty_Parcel1.mxd © STANLEY CONSULTANTS





Current Power Plant

Former Elgin Mental Health Center

Assessment Area

Police Station

Elgin Mental Health Center

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Copyright © 2013 National Geographic Society, I-cubed

0 0.0425 0.085 0.17 Miles

July 2020

Legend

Approximate Assessment Boundary ———

FIGURE 2
SITE DETAIL MAP
ELGIN MENTAL HEALTH CENTER
750 SOUTH STATE STREET
ELGIN, IL





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

Legend

- Approximate Assessment Boundary —
- Sanfilippo SRP Site
- Approximate LUST Locations ◆

0 0.125 0.25 0.5 Miles

July 2020



FIGURE 3
APPROXIMATE LUST/SRP LOCATION MAP
ELGIN MENTAL HEALTH CENTER
750 SOUTH STATE STREET
ELGIN, IL

Appendix B

Interview Documentation

Phase I Environmental Site Assessment User Questionnaire

The following questionnaire was taken from Appendix X3 of the ASTM International, Designation E-1327-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. In order to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Please answer as honestly and completely as possible and return to our office. If you don't know the answer to a question simply state "Unknown" or "No" and it will be sufficient.

1. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? No Yes If yes, please explain.

2. Are you aware of any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been files or recorded in a registry under federal, tribal, state, or local law? No Yes If yes, please explain.

3. As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? No Yes If yes, please explain.

4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? No Yes If yes, please explain. N/A

5. Are you aware of commonly known or reasonably ascertainable information about the property that would help me identify conditions indicative of releases? No Yes If yes, please explain.

6. Do you know the past uses or the property? No Yes If yes, please explain.
The Property has been a mental Health facility since it's Aband

7. Do you know of specific chemicals that are present or once were present at the property? No Yes If Yes, please explain.

8. Do you know of spills or other chemical releases that have taken place at the property? No Yes If yes, please explain.

9. Do you know of any environmental cleanups that have taken place at the property? No Yes If yes, please explain.
The 90 ACRES should to JB SAN FILIPPO IN 2004

10. (40 CRF 312.31) As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property? No Yes If yes, please explain.

This information is to the best of my knowledge

Signed David Aruans

Date 7/22/20

Printed Name DAVID ARUANS

Owner/User/Other STATE Employee / Chief Engineer

Address of Property

Contact Information

City of Elgin

Community Development
 150 Dexter Court, Elgin, IL 60120-5555
 Telephone (847) 931-5920 Fax (847) 931-6790

Engineering
 1900 Holmes Road, Elgin, IL 60123
 Telephone (847) 931-5955 Fax (847) 931-5965

Application Number 14-00030964 Date 7/08/14
 Property Address 750 S STATE ST
 Parcel Number: 06-23-400-013-
 Application type description COMMERCIAL:REPAIR/ALTERATIONS
 Subdivision Name
 Property Use INSTITUTIONAL/DETENTION
 Property Zoning COMMUNITY FACILITY
 Application valuation 9970

Owner

 ELGIN MENTAL HEALTH CENTER
 750 S STATE ST
 ELGIN IL 60123

Contractor

 F J BERO & CO INC
 BERO, JEFFREY SCOTT
 1629 WELD RD
 ELGIN IL 60123
 (847) 741-6140

Permit PLUMBING:ALL USES
 Additional desc
 Permit Fee 130.00 Plan Check Fee00
 Issue Date 7/08/14 Valuation 9970
 Expiration Date 1/04/15

Qty	Unit Charge	Per	Extension
2.00	65.0000 EA	PLMB-BACKFLOW/RPZ DEVICES	130.00


Special Notes and Comments
 REPLACE (2) RPZ BACKFLOW DEVICES

Fee summary	Charged	Paid	Credited	Due
Permit Fee Total	130.00	.00	.00	130.00
Plan Check Total	.00	.00	.00	.00
Grand Total	130.00	.00	.00	130.00

By my signature below, I acknowledge that I have read, understand, and agree to abide by said terms and conditions.
 This permit is issued with the terms and conditions described on the reverse side of the permit card.



 Owner/Contractor/Authorized Agent

JEFFREY S. BERO, F.J. BERO & CO, INC. 

 Print Name City Official

City of Elgin

Community Development

150 Dexter Court, Elgin, IL 60120-5555
Telephone (847) 931-5920 Fax (847) 931-6790

Engineering

1900 Holmes Road, Elgin, IL 60123
Telephone (847) 931-5955 Fax (847) 931-5965

Application Number 14-00029776 Date 5/27/14
Property Address 750 S STATE ST
Parcel Number: 06-23-400-013-
Application type description DEMOLITION:COMMERCIAL & OTHERS
Subdivision Name
Property Use INSTITUTIONAL/DETENTION
Property Zoning COMMUNITY FACILITY
Application valuation 0

Owner

CITY OF ELGIN
150 DEXTER CT
ELGIN IL 60120

Contractor

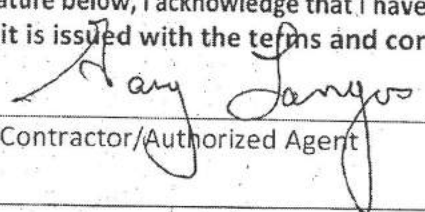
LANGOS CORPORATION
124 DEEPWOOD RD
BARRINGTON IL 60010
(847) 774-5962

Permit DEMOLITION
Additional desc
Permit Fee00
Issue Date 5/27/14 Plan Check Fee00
Expiration Date 11/23/14 Valuation 0

Special Notes and Comments

- 1) BEFORE A STRUCTURE IS DEMOLISHED THE OWNER OR AGENT SHALL NOTIFY ALL UTILITIES HAVING SERVICE CONNECTIONS WITHIN THE STRUCTURE SUCH AS WATER, GAS, ELECTRIC, AND SEWER CONNECTIONS.
- 2) WHENEVER A STRUCTURE IS DEMOLISHED OR REMOVED THE PREMISES SHALL BE MAINTAINED FREE FROM ALL UNSAFE OR HAZARDOUS CONDITIONS.
- 3) THE VACANT LOT SHALL BE FILLED, GRADED, AND RESTORED IN SEED OR SOD IN CONFORMITY TO THE ESTABLISHED STREET GRADE AT CURB LEVEL NEAREST TO THE POINT OF DEMOLITION OR EXCAVATION. PROVISION SHALL BE MADE TO PREVENT THE ACCUMULATION OF WATER OR DAMAGE TO ANY FOUNDATIONS ON THE PREMISES OR THE ADJOINING PROPERTY.
- 4) ALL WASTE MATERIALS SHALL BE REMOVED IN A MANNER WHICH PREVENTS INJURY OR

By my signature below, I acknowledge that I have read, understand, and agree to abide by said terms and conditions. This permit is issued with the terms and conditions described on the reverse side of the permit card.



Owner/Contractor/Authorized Agent

Print Name

City Official

City of Elgin

Community Development

150 Dexter Court, Elgin, IL 60120-5555

Telephone (847) 931-5920 Fax (847) 931-6790

Engineering

1900 Holmes Road, Elgin, IL 60123

Telephone (847) 931-5955 Fax (847) 931-5965

Application Number 14-00029776

Page 2
Date 5/27/14

Special Notes and Comments

DAMAGE TO PERSONS ADJOINING PROPERTIES AND PUBLIC RIGHTS-OF-WAY.
5) TYPICAL 1 OR 2 INCH DOMESTIC COPPER SERVICES TO BE TERMINATED AT THE MAIN BY REMOVING CORPORATION STOP AND INSTALLING STAINLESS STEEL SLEEVE OVER TAPPED HOLE IN MAIN.
6) IF LARGER SERVICE IS CONNECTED TO MAIN VIA A TAPPING SLEEVE OR FITTED TEE THEN THE VALVE SHALL BE REMOVED AND A BLIND FLANGE IS TO BE INSTALLED ON TAPPING SLEEVE OR FITTED TEE.
7) TYPICAL SANITARY SERVICE PIPE IS TO BE REMOVED UP TO THE TEE OR WYE FITTING ON THE SANITARY MAIN AND A PERMANENT PLUG OR CONCRETE CAP SHALL BE INSTALLED.
8) ALL STREETS AND SIDEWALKS MUST BE REMAIN BROOM CLEAN AT ALL TIMES.
9) PUBLIC APPROACH AND CURB CUT MUST BE REMOVED AND NEW BARRIER CURB MUST BE INSTALLED. APPROACH AREA TO BE SEEDED.
PERMIT FROM COOK COUNTY BUILDING DEPARTMENT REQUIRED FOR PROPERTIES LOCATED IN COOK COUNTY; VERIFY ON THE MAP AND INFORM CUSTOMER
SEND AN E-MAIL JAMES LALLEY IN ELGIN POLICE DEPARTMENT & DAVID SCHMIDT IN THE ELGIN FIRE DEPARTMENT WHEN DEMO PERMIT IS ISSUED.
DEMO OF LEAN TO SHELTER ON THE SIDE OF THE BARN.

Fee summary	Charged	Paid	Credited	Due
Permit Fee Total	.00	.00	.00	.00
Plan Check Total	.00	.00	.00	.00
Grand Total	.00	.00	.00	.00

By my signature below, I acknowledge that I have read, understand, and agree to abide by said terms and conditions. This permit is issued with the terms and conditions described on the reverse side of the permit card.

Owner/Contractor/Authorized Agent

Print Name

City Official

City of Elgin

Community Development
150 Dexter Court, Elgin, Illinois 60120-5555
Telephone (847) 931-5920 Fax (847) 931-6790

Application Number 04-00065384 Date 11/12/04
Property Address 750 S STATE ST
06-23-400-002-
Application description DEMOLITION:COMMERCIAL & OTHERS
Subdivision Name
Property Use INSTITUTIONAL/DETENTION
Property Zoning COMMUNITY FACILITY

Owner Contractor

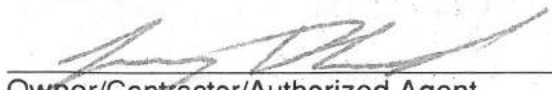
ELGIN MENTAL HEALTH CENTER AMERICAN DEMOLITION CORP
750 S STATE ST 305 RAMONA AVE
ELGIN IL 60123 ELGIN IL 60120
(847) 608-0010

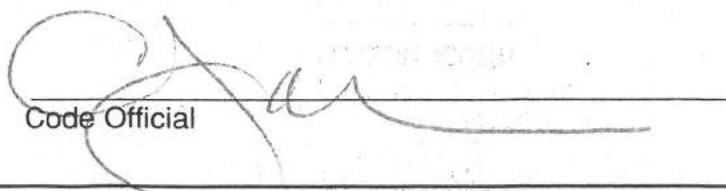
Permit DEMOLITION

Permit Fee00 Plan Check Fee00
Issue Date 11/12/04 Valuation 0

Special Notes and Comments
DEMOLITION OF STRUCTURES ON EMHC CAMPUS
1) BEFORE A STRUCTURE IS DEMOLISHED THE OWNER OR AGENT SHALL NOTIFY ALL UTILITIES HAVING SERVICE CONNECTIONS WITHIN THE STRUCTURE SUCH AS WATER, GAS, ELECTRIC, AND SEWER CONNECTIONS.
2) WHENEVER A STRUCTURE IS DEMOLISHED OR REMOVED THE PREMISES SHALL BE MAINTAINED FREE FROM ALL UNSAFE OR HAZARDOUS CONDITIONS.
3) THE VACANT LOT SHALL BE FILLED, GRADED AND MAINTAINED IN CONFORMITY TO THE ESTABLISHED STREET GRADE AT CURB LEVEL NEAREST TO THE POINT OF DEMOLITION OR EXCAVATION. PROVISION SHALL BE MADE TO PREVENT THE

- All work authorized by this permit shall comply with the codes and ordinances of the City of Elgin and shall commence within six months of the date of issue.
- All inspections require 24 hours advance notice.
- A certificate of occupancy is required for all new structures, new tenants, or changes of use by a tenant.
- A separate permit is required for site improvements and work within the public right-of-way. Contact the Engineering Division at 931-5955.


Owner/Contractor/Authorized Agent


Code Official

City of Elgin

Community Development
150 Dexter Court, Elgin, Illinois 60120-5555
Telephone (847) 931-5920 Fax (847) 931-6790

Application Number 04-00065384
Property Address 750 S STATE ST

Page 2
Date 11/12/04

Special Notes and Comments

ACCUMULATION OF WATER OR DAMAGE TO ANY FOUNDATIONS ON THE PREMISES OR THE ADJOINING PROPERTY. 4) ALL WASTE MATERIALS SHALL BE REMOVED IN A MANNER WHICH PREVENTS INJURY OR DAMAGE TO PERSONS ADJOINING PROPERTIES AND PUBLIC RIGHTS-OF-WAY. BLDG 31 1,660 SF, BLDG 33 2,116 SF, BLDG 41 1,950 SF, BLDG 40 5,815 SF, BLDG 49 8,948 SF, BLDG 65 3,666 SF, BLDG 61 1,612 SF, BLDG 63A-64 31,925 SF, BLDG 66 6,212 SF, BLDG 69-72 13,800 SF, BLDG 127 350 SF

Fee summary

Permit Fee Total .00
Plan Check Total .00
Grand Total .00

- All work authorized by this permit shall comply with the codes and ordinances of the City of Elgin and shall commence within six months of the date of issue.
- All inspections require 24 hours advance notice.
- A certificate of occupancy is required for all new structures, new tenants, or changes of use by a tenant.
- A separate permit is required for site improvements and work within the public right-of-way. Contact the Engineering Division at 931-5955.

Owner/Contractor/Authorized Agent

Code Official



City of Elgin

Department of Code Administration • 150 Dexter Court • Elgin, IL 60120-5555 • (847) 931-5925
FAX (847) 931-5665

Application Number 98-00028535 Date 2/01/99
Property Address 750 S STATE ST
 06-23-400-002
Application description . . MISCELLANEOUS APPLICATION
Subdivision Name
Property Use INSTITUTIONAL/DETENTION
Property Zoning COMMUNITY FACILITY

Owner Contractor

ELGIN MENTAL HEALTH CENTER OWNER
750 S STATE ST
ELGIN IL 60123

Other struct info UNIT NUMBER OF .00

Permit WATER FEES

Sub Contractor OWNER
Permit Fee 3915.71 Plan Check Fee00
Issue Date 2/01/99 Valuation 0

Qty	Unit Charge	Per	Extension
1.00	505.7100 EA	WATER METER FEE-40100005920000	505.71
1.00	3410.0000 EA	WATER TAP FEE-40100005480000	3410.00

Permit WATER FEES

Sub Contractor OWNER
Permit Fee 700.00 Plan Check Fee00
Issue Date 2/01/99 Valuation 0

Qty	Unit Charge	Per	Extension
700.00	1.0000 EA	WATER FRONT FT 01000005490000	700.00

Special Notes and Comments
WATER TAP INSTALLED BY CITY PER TOM

In consideration of this application I agree that all work performed under said permit will be in accordance with the codes and ordinances of the City of Elgin. Work authorized by this permit shall commence within six months from date of issue.

- REQUIRED INSPECTIONS MUST BE CALLED FOR BY APPLICANT.
- A CERTIFICATE OF OCCUPANCY MUST BE ISSUED PRIOR TO OCCUPANCY OF ALL NEW STRUCTURES, NEW TENANTS AND CHANGE OF USE.
- A SEPARATE PERMIT IS REQUIRED FOR SITE IMPROVEMENTS AND WORK WITHIN THE PUBLIC RIGHT-OF-WAY. Contact Engineering at 931-5955.

CK# AA6739935
OWNER/CONTRACTOR/AUTHORIZED AGENT

CODE OFFICIAL

98-00028535-71 PB
Date: 2/02/99
CHECK
0000000000000000

Elgin



City of Elgin

Department of Code Administration • 150 Dexter Court • Elgin, IL 60120-5555 • (847) 931-5925
FAX (847) 931-5665

Application Number 98-00028535
Property Address 750 S STATE ST

Page 2
Date 2/01/99

Special Notes and Comments

11/20/98
FORMER ADMINISTRATION BUILDING @ NORTH
END OF PROPERTY
4" WATER TAP & 2" AMR FROM CITY MAIN
ALONG NORTHERLY PROPERTY LINE

Fee summary

Permit Fee Total	4615.71
Plan Check Total	.00
Grand Total	4615.71

In consideration of this application I agree that all work performed under said permit will be in accordance with the codes and ordinances of the City of Elgin. Work authorized by this permit shall commence within six months from date of issue.

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- A CERTIFICATE OF OCCUPANCY MUST BE ISSUED PRIOR TO OCCUPANCY OF ALL NEW STRUCTURES, NEW TENANTS AND CHANGE OF USE.
- A SEPARATE PERMIT IS REQUIRED FOR SITE IMPROVEMENTS AND WORK WITHIN THE PUBLIC RIGHT-OF-WAY. Contact Engineering at 931-5955.

CK# AA6239935
OWNER/CONTRACTOR/AUTHORIZED AGENT
G. J. Galloway
CODE OFFICIAL

Elgin



City of Elgin

Department of Code Administration • 150 Dexter Court • Elgin, IL 60120-5555 • (847) 931-5925
FAX (847) 931-5665

Receipt: 00000000
Date: 4/06/98
CASH
01000000

Application Number 98-00025327 Date 4/06/98
Property Address 750 S STATE ST
06-23-400-002
Application description . . . STORAGE TANK/NEW-REMOVAL-REPLACEMENT
Subdivision Name
Property Use INSTITUTIONAL/DETENTION
Property Zoning COMMUNITY FACILITY

Owner	Contractor
ELGIN MENTAL HEALTH CENTER 750 S STATE ST ELGIN IL 60123	CAPE ENVIRONMENTAL MANAGEMENT 91 NOLL ST WAUKEGAN IL 60085 (847) 336-4341
Other struct info UNIT NUMBER OF	.00

Permit STORAGE TANK:NEW/REPAIR/ALTER

Permit Fee00	Plan Check Fee00
Issue Date 4/06/98	Valuation 0

Special Notes and Comments
REMOVE 1-500 GAL DIESEL & 1-2000 GAL GAS
INSTALL 2-1000 GAL DIESEL TANKS -UPGRADE
1-1000 GAL DIESEL & 1-1000 GAS TANKS
PERMIT FOR INSTALLATION OF 1-20,000 GAL
ABOVEGROUND HEATING OIL TANK DENIED BY
CITY

Fee summary

Permit Fee Total	.00
Plan Check Total	.00
Grand Total	.00

In consideration of this application I agree that all work performed under said permit will be in accordance with the codes and ordinances of the City of Elgin. Work authorized by this permit shall commence within six months from date of issue.

- REQUIRED INSPECTIONS MUST BE CALLED FOR BY APPLICANT.
- A CERTIFICATE OF OCCUPANCY MUST BE ISSUED PRIOR TO OCCUPANCY OF ALL NEW STRUCTURES, NEW TENANTS AND CHANGE OF USE.
- A SEPARATE PERMIT IS REQUIRED FOR SITE IMPROVEMENTS AND WORK WITHIN THE PUBLIC RIGHT-OF-WAY. Contact Engineering at 931-5955.

Mail to ↓
OWNER/CONTRACTOR/AUTHORIZED AGENT

Judith L. [Signature]
CODE OFFICIAL



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, Illinois 62703-4259
 (217)785-1020 or (217)785-5878

FOR OFFICE USE ONLY	
Facility #	2-008097
Permit #	2146-98 INS
Request Rec'd	03-30-98
Amended Date	
Approval Date	05-21-98 ETR
Permit Expires	11-21-98

Permit for INSTALLATION of Underground Storage Tank(s) and Piping for Petroleum and Hazardous Substances.

Permission to install underground storage tank(s) or piping is hereby granted. Such installation must be in complete accordance with acceptable materials as specified in the Federal Register, Part II Environmental Protection Agency, 40 CFR Parts 280 and 281, and also with all sections of 41 Illinois Administrative Code, Part 170. The contractor the permit was issued to or an employee of that contractor (this does not include a subcontractor shall establish a date certain to perform the UST activity by contacting the Office of the State Fire Marshal, Division of Petroleum and Chemical Safety by telephone at the Springfield office between 8:30 a.m. and 12:00 p.m., at which time a mutually agreed upon date and time for the UST activity shall be scheduled. **THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.**

<p>(1) OWNER OF TANKS - Corporation, partnership, or other business entity:</p> <p>IL Dept. of Human Services 401 Stratton Bldg. Springfield, IL 62706</p> <p>Contact: Ben Grisham 217-785-4922</p>	<p>(2) FACILITY - name and address where tanks are located:</p> <p>Elgin Mental Health Center 750 S State St. Elgin, KANE CO., IL</p> <p>Contact: Bob Zoller 847-742-1040 x 2562</p>
--	---

(3) INSTALLATION OF TANKS:

[Handwritten signature]
 8-24-98

- (a) *Number and size of tanks being installed:* (2) 1,000 gallon
- (b) *Type of tanks:* Double wall fiberglass
- (c) *Type of piping:* Steel primary with fiberglass secondary containment
- (d) *Product to be stored in each tank:* Diesel
- (e) *Type of leak detection being used:*
Tank: Omntec OEL 8000 hydrostatic reservoir sensors and automatic tank gauging.
Piping: Omntec OEL 8000 piping sump sensors with European Suction system.
- (e) *Corrosion Protection being installed:*
Tank: Fiberglass
Piping: Fiberglass secondary containment
- (g) *Spill containment devices:* OPW #1 spill containment manholes
- (h) *Overfill prevention devices:* OPW #61-SO drop tube valves and Omntec OEL 8000 overfill alarms.

(4) Owner must notify this Office when completion of tank installation has occurred, on the Notification Form for Underground Storage Tank Form. Please note a form has been forwarded to the name and address shown in Item 1 (All pages of this form must be completed).

(5) SPECIAL CONTINGENCIES:

(6) PERSON, FIRM OR COMPANY PERFORMING WORK:

Cape Environmental Mgt.
 91 Noll St.
 Waukegan, IL 60085

Contact Person: Lloyd Castleman
 Phone: 847-336-4341
 Contractor Registration # IL 2104 Exp 06-26-98

Sincerely,

W. Dale Tanke
 W. Dale Tanke, Storage Tank Safety Engineer

cc: Storage Tank Safety Specialist - Stern
 Fire Department
 Office Associate - js
 Division File
 (Rev. - 1/98)



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, Illinois 62703-4259
 (217)785-1020 or (217)785-5878

OCT 21 1997

FOR OFFICE USE ONLY

Facility # 2008097
 Permit # 307797 *Perm*

DIV. OF PETROLEUM & CHEMICAL SAFETY

APPLICATION for Permit for **REMOVAL** of Underground Storage Tanks. (Please type or print clearly)

(1) **OWNER OF TANKS** - Corporation, partnership, or other business entity: (Must be mailing address)

ELGIN MENTAL HEALTH CENTER
 Name
750 SOUTH STATE STREET
 Street Address
ELGIN IL 60123
 City State Zip
BOB ZOLLER 847-742-1040 x 2562
 Contact Person Phone

(2) **FACILITY** - Facility ID # 2-008097
 (Name and address where tanks are located:)

ELGIN MENTAL HEALTH CENTER
 Name
750 SOUTH STATE STREET
 Street Address
ELGIN IL 60123 KANE
 City State Zip County
BOB ZOLLER 847-742-1040 x 2562
 Contact Person Phone

(3) **TANK(S)**: Fill in the appropriate blanks for the tank(s) to be removed. Attach additional sheet(s) if more space is needed.

# of Tanks	Capacity in gallons	Product to be stored	Date tank last used	# of Tanks	Capacity in gallons	Product to be stored	Date tank last used
1	500	DIESEL	CURRENTLY IN USE				
1	2,000	DIESEL	CURRENTLY IN USE				

(4) **CONTAMINATED SITE** (complete this section for sites where a release has been reported). Reminder: Releases or suspected releases must be reported to IEMA at (800)782-7860 within 24 hours:

IEMA Incident # _____

(5) **CONTRACTOR**: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that all information submitted is true, accurate and complete.

CAPE ENVIRONMENTAL MANAGEMENT, INC.
 Company Name
91 NOLL ST.
 Address
WAUKEGAN IL 60085
 City State Zip
847-336-4341 847-336-4971
 Telephone # Fax #
 IL 2104 4-18-98
 Contractor License # Expiration Date

LLOYD CASTLEMAN CONTRACT MANAGER
 Name of Authorized Representative Title or Position
[Signature] 10-16-97
 Signature Date

FOR OFFICE USE ONLY

After receiving an approved permit, the Contractor the permit was issued to or an employee of that contractor (this does not include a subcontractor) shall establish a date certain to perform the UST activity by contacting the Office of the State Fire Marshal, Division of Petroleum and Chemical Safety, by telephone at the Springfield office at (217)785-1020 or (217)785-5878 between 8:30 a.m. and 12:00 p.m., at which time a mutually agreed upon date and time for the UST activity shall be scheduled. **THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.**

Permission to remove underground storage tank(s) is hereby granted. Such removal shall not commence until 11/20/97.
 A seventy-two hour (3 working day) notice to this office is required to confirm final date of removal for our Inspector to be on site.

11/4/97 W. Dale Tarke
 Approval Date Approved
5/4/98
 Permit Expires

Elgin



City of Elgin

Department of Code Administration • 150 Dexter Court • Elgin, IL 60120-5555 • (847) 931-5925
FAX (847) 931-5665

4.00 HC
Date: 9/04/96
00000000 00000000
000115N0000010

Application Number 96-00018725 Date 9/03/96
Property Address 750 S STATE ST
Application description REROOFING/TEAROFF
Subdivision Name
Property Use
Property Zoning COMMUNITY FACILITY

Owner Contractor

ELGIN MENTAL HEALTH CENTER SINGLES ROOFING CO INC
750 S STATE ST P O BOX 31
ELGIN IL 60123 ELGIN IL 60121
(708) 695-0250

Other struct info UNIT NUMBER OF00

Permit ROOF/REROOF/ALTER/REPAIR

Permit Fee00 Plan Check Fee00
Issue Date 9/03/96 Valuation 1729

Special Notes and Comments
OLD FIRE HOUSE

Fee summary

Permit Fee Total00
Plan Check Total00
Grand Total00

In consideration of this application I agree that all work performed under said permit will be in accordance with the codes and ordinances of the City of Elgin. Work authorized by this permit shall commence within six months from date of issue.

- REQUIRED INSPECTIONS MUST BE CALLED FOR BY APPLICANT.
- A CERTIFICATE OF OCCUPANCY MUST BE ISSUED PRIOR TO OCCUPANCY OF ALL NEW STRUCTURES, NEW TENANTS AND CHANGE OF USE.
- A SEPARATE PERMIT IS REQUIRED FOR SITE IMPROVEMENTS AND WORK WITHIN THE PUBLIC RIGHT-OF-WAY. Contact Engineering at 931-5955.

NK

OWNER/CONTRACTOR/AUTHORIZED AGENT
Jackson

CODE OFFICIAL

Elgin



City of Elgin

Department of Code Administration • 150 Dexter Court • Elgin, IL 60120-5555 • (708) 931-5925
FAX (708) 931-5665

\$400.00 PB
Rcpt# 0039498

00000096 01
Date: 3/21/96
CHK#
000000000000

Application Number 96-00016334 Date 3/21/96
Property Address 750 S STATE ST
Application description . . MISCELLANEOUS APPLICATION
Subdivision Name
Property Use
Property Zoning COMMUNITY FACILITY

Owner Contractor

ELGIN MENTAL HEALTH CENTER DOVER ELEVATOR COMPANY
750 S STATE ST 4118 N NASHVILLE
ELGIN IL 60123 CHICAGO IL 60634
(312) 286-1144

Permit ELEVATOR/ESC/DMWTRS/DOCKS
Permit Fee 400.00 Plan Check Fee00
Issue Date 3/21/96 Valuation 28300

Qty	Unit Charge	Per	Extension
1.00	400.0000	EA ELEVATOR/ESCALATOR/DMWTRS/DOCK	400.00

Special Notes and Comments
ONE 2-STOP 2,000 LB CAPACITY ELEVATOR

Fee summary

Permit Fee Total 400.00
Plan Check Total .00
Grand Total 400.00

In consideration of this application I agree that all work performed under said permit will be in accordance with the codes and ordinances of the City of Elgin. Work authorized by this permit shall commence within six months from date of issue.

- REQUIRED INSPECTIONS MUST BE CALLED FOR BY APPLICANT.
- A CERTIFICATE OF OCCUPANCY MUST BE ISSUED PRIOR TO OCCUPANCY OF ALL NEW STRUCTURES, NEW TENANTS AND CHANGE OF USE.
- A SEPARATE PERMIT IS REQUIRED FOR SITE IMPROVEMENTS AND WORK WITHIN THE PUBLIC RIGHT-OF-WAY. Contact Engineering at 931-5955.

OK #073177
OWNER/CONTRACTOR/AUTHORIZED AGENT

G Jack
CODE OFFICIAL

B.I.S.

Elgin

001 4440 7/29/92

16
0006
00CAC



City of Elgin

Bureau of Inspection Services • 150 Dexter Court • Elgin, IL 60120-5555 • (708) 931-5925
FAX (708) 931-5665

Application Number 92-00003665 Date 7/29/92
Property Address 750 S STATE ST

Application description DEMOLITION/COMMERCIAL & OTHERS
Subdivision Name
Property Use
Property Zoning NOT APPLICABLE

Owner

Contractor

ELGIN MENTAL HEALTH CENTER
750 S STATE ST
ELGIN IL 60123

ALCON DEMOLITION INC
900 STATE ST
PERTH-AMBOY NJ 08861
(800) 732-3723

Permit DEMOLITIONS *0104410000*
Permit Fee00 Plan Check Fee00
Issue Date 7/29/92 Valuation 0

Special Notes and Comments

DEMOLISH STRUCTURES-CENTER BUILDING &
PERSHING BUILDING

Fee summary

Permit Fee Total00
Plan Check Total00
Grand Total00

In consideration of this application I agree that all work performed under said permit will be in accordance with the codes and ordinances of the City of Elgin. Work authorized by this permit shall commence within six months from date of issue.

- REQUIRED INSPECTIONS MUST BE CALLED FOR BY APPLICANT.
- A CERTIFICATE OF OCCUPANCY MUST BE ISSUED PRIOR TO OCCUPANCY OF ALL NEW STRUCTURES, NEW TENANTS AND CHANGE OF USE.
- A SEPARATE PERMIT IS REQUIRED FOR SITE IMPROVEMENTS AND WORK WITHIN THE PUBLIC RIGHT-OF-WAY. Contact Engineering at 931-5955.

Jeffrey Stanford
OWNER/CONTRACTOR/AUTHORIZED AGENT

[Signature]
BUILDING OFFICIAL

MAY 25, 1989

CITY OF ELGIN - BUREAU OF INSPECTION SERVICES

150 DEXTER COURT ELGIN, ILL. 60120

TEL. 695-6500 EXT. 255

NOTE: PLEASE SEE A COPY OF THE STATE PERMITS AND SKETCHES WHICH ARE ATTACHED FOR YOUR USE!

APPLICATION & PERMIT

AREA 750 S. State
JOB ADDRESS:

BLOCK _____ UNIT _____

SUB'D. _____

TAX NO. _____

ZONING _____

THIS PERMIT NOT VALID UNTIL CERTIFIED BY TREASURERS OFFICE

750-7661 7/31/89

OWNER

JOB ADDRESS 750 SOUTH STATE STREET

NAME ELGIN MENTAL HEALTH CENTER

ADDRESS 750 SOUTH STATE STREET

CITY ELGIN, IL 60123-7692 TEL. 742-1040

CONTRACTOR

NAME PETER J. HARTMANN COMPANY

ADDRESS 9200 KING STREET

CITY FRANKLIN PARK, IL 60131 LICENSE NO. _____

TEL. BUSINESS 671-1580 HOME _____

DESCRIPTION OF WORK REMOVE TWO 550 GALLON TANKS WHICH ARE NO LONGER IN USE AND INSTALL TWO 1,000 GALON SINGLE WALL FIBERGLASS UNDERGROUND STORAGE TANKS FOR GASOLINE STORAGE *ST*

(CODE) _____ (VALUATION) \$16,200.00

BUILDING		PLUMBING		FEES	
LENGTH		BATHTUB		BUILDING, FENCES, TOOL SHEDS, DEMOLITIONS, POOLS, FIREPLACES	010-441-0000
WIDTH		DRINKING - FOUNTAIN		OCCUPANCY	010-445-0000
AREA	B	FLOOR DRAIN		PLUMBING	010-446-0000
AREA	1	EJECTORS		ELECTRICAL	010-442-0000
AREA	2	KITCHEN SINK		HEATING & AIR CONDITIONING & VENT	010-444-0000
AREA OTHER		LAUNDRY TRAY		SIGNS (Not electrical)	010-447-0000
FOUNDATION		LAVATORY		MISC. (Elevators, Gas Tanks, Conveyors, etc.)	010-449-0000
MATERIAL	EXT. PIERS	SHOWER		PLAN CHECKS	010-590-0000
WIDTH TOP		SLOP SINK		PENALTY	010-454-0000
WIDTH BOTTOM		URINAL		SCHOOL SITE	010-245-0000
DEPTH IN GROUND		WASHING MACHINE		PARK SITE	010-680-0000
ELECTRICAL		WATER CLOSET		WATER SERVICE CONNECTIONS	400-597-0000
HEAT		WATER HEATER		WATER SERVICE FOOTAGE	400-597-1000
AREA SQ. FT.		GAS OPENINGS		WATER METERS	400-628-0000
SERVICE AMPS.				REMOTE READS	400-628-0000
METERS INSTALLED					
TOTAL H.P.					
SIGN CIRCUITS					
HEATING		TOTAL		TOTAL FEE \$	<i>N/C</i>
ITEM	B.T.U.				
FURNACE / BOILER					
VENT - CFM's					
A / C TONS					
SIGNS					
HT. ABOVE GROUND					
SIZE	W. H.				
AREA	SQ. FT.				
TYPE					
ILLUM.					

CONDITIONS of PERMIT

REQUIRED INSPECTIONS MUST BE CALLED FOR BY APPLICANT.

A CERTIFICATE OF OCCUPANCY AND COMPLIANCE MUST BE ISSUED PRIOR TO OCCUPANCY OF ALL NEW STRUCTURES, ADDITIONS, AND FOR CHANGE OF USE.

In consideration of this application and attached forms being made a part thereof and the issuance of permit, I will conform to the regulations set forth in the city of Elgin, Ill. codes and ordinances.

I also agree that all work performed under said permit will be in accordance with the plans and specifications which accompany this application, except for such changes as may be authorized or required by the Building Official.

PERMIT VALID FOR 6 MONTHS FROM DATE OF ISSUE

Mary Olney
OWNER OR AUTHORIZED AGENT

PETER J. HARTMANN COMPANY
LICENSED CONTRACTOR

NOTICE

ALL WORK WITHIN PUBLIC R - O - W REQUIRES A SEPARATE PERMIT FROM ENGINEERING AT: 40 ANN STREET.



25327

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, Illinois 62703-4259
 (217)785-1020 or (217)785-5878

RECEIVED
OCT 21 1997

FOR OFFICE USE ONLY	
Facility #	2008097
Permit #	307797 Rem

APPLICATION for Permit for **REMOVAL** of Underground Storage Tanks. (Please type or print clearly)

(1) **OWNER OF TANKS** - Corporation, partnership, or other business entity: (Must be mailing address)

ELGIN MENTAL HEALTH CENTER
 Name
750 SOUTH STATE STREET
 Street Address
ELGIN IL 60123
 City State Zip
BOB ZOLLER 847-742-1040 x 2562
 Contact Person Phone

(2) **FACILITY** - Facility ID # 2-008097
 (Name and address where tanks are located:)

ELGIN MENTAL HEALTH CENTER
 Name
750 SOUTH STATE STREET
 Street Address
ELGIN IL 60123 KANE
 City State Zip County
BOB ZOLLER 847-742-1040 x 2562
 Contact Person Phone

(3) **TANK(S)**: Fill in the appropriate blanks for the tank(s) to be removed. Attach additional sheet(s) if more space is needed.

# of Tanks	Capacity in gallons	Product to be stored	Date tank last used	# of Tanks	Capacity in gallons	Product to be stored	Date tank last used
1	500	DIESEL	CURRENTLY IN USE				
1	2,000	DIESEL	CURRENTLY IN USE				

(4) **CONTAMINATED SITE** (complete this section for sites where a release has been reported). Reminder: Releases or suspected releases must be reported to IEMA at (800)782-7860 within 24 hours:

IEMA Incident # _____

(5) **CONTRACTOR**: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that all information submitted is true, accurate and complete.

CAPE ENVIRONMENTAL MANAGEMENT, INC.
 Company Name
91 NOLL ST.
 Address
WAUKEGAN IL 60085
 City State Zip
347-336-4341 847-336-4971
 Telephone # Fax #
2104 4-18-98
 Contractor License # Expiration Date
LLOYD CASTLEMAN CONTRACT MANAGER
 Name of Authorized Representative Title or Position
[Signature] 10-16-97
 Signature Date

FOR OFFICE USE ONLY	
After receiving an approved permit, the Contractor the permit was issued to or an employee of that contractor (this does not include a subcontractor) shall establish a date certain to perform the UST activity by contacting the Office of the State Fire Marshal, Division of Petroleum and Chemical Safety, by telephone at the Springfield office at (217)785-1020 or (217)785-5878 between 8:30 a.m. and 12:00 p.m., at which time a mutually agreed upon date and time for the UST activity shall be scheduled. THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.	
Permission to remove underground storage tank(s) is hereby granted. Such removal shall not commence until <u>11/20/97</u> A seventy-two hour (3 working day) notice to this office is required to confirm final date of removal for our Inspector to be on site. <u>11/4/97</u> Approval Date	<u>W. Dale Tanke</u> Approved
<u>5/4/98</u> Permit Expires	EXTENSION Permit Expires <u>11-4-98</u>



Office of the Illinois
State Fire Marshal

*F.D. REVIEW
ATTACHED.
3-31-98*

FIRE PREVENTION
(312) 814-2693

March 27, 1998

Cape Environmental Management
91 Noll Street
Waukegan, Illinois 60085

RE: Elgin Mental Health Center
750 South State Street
Elgin, Illinois
KANE COUNTY

Dear Sir,

Applications and drawings have been reviewed by this Office for the proposed installation of above ground bulk storage tanks at the above referenced location.

This review specifically pertains to:

1 - NEW, 20,000 GALLON CAPACITY, ABOVE GROUND, OUTDOOR HEATING OIL BULK STORAGE TANK. SECONDARY CONTAINMENT IS TO BE PROVIDED BY THE USE OF A DOUBLE-WALLED TANK. THE TANK IS TO BE PRE-FABRICATED, U.L. LABELED AND ELECTRICALLY GROUNDED. BOTH REGULAR AND EMERGENCY VENTING IS TO BE PROVIDED.

The installation appears to conform with Title 41 Illinois Administrative Code Part 160 "Storage, Transportation, Sale and Use of Gasoline and Volatile Oils: Rule and Regulations Relating to General Storage" with the following noted exceptions or special conditions:

1. Product piping shall be tested at a pressure 50% in excess of normal working pressure for a period of 30 minutes and be proven leak free.
2. Fire protection shall be provided at this site in the form of either accessible portable fire extinguishers offering a minimum rating of 4A:60BC *or* a fixed fire suppression system designed for protection of flammable/combustible liquid storage shall be installed to protect the tank installation.
3. If the location of the tank/tanks is subject to vehicular traffic, the tank/s shall be protected with bumper posts or some other form of collision protection.

Cape Environmental Management
RE: Elgin Mental Health Center
March 27, 1998
page #3

12. Indoor product piping shall be of steel or nodular iron, or otherwise be protected by materials having a fire resistance rating of not less than 2-hours.

13. In addition to any normal valves, there must be an extra valve at each pipe line connection to any tank below normal liquid level, which valve is effective inside the tank shell and is operated both manually and by an effective heat actuated device which, in the case of fire, will automatically close the valve to prevent the flow of liquid from the tank even though the pipe lines are broken from the tank. These extra valves are not required in crude oil tanks in oil fields, on tanks at refineries, or on tanks at terminals which are equipped with a swing line or where facilities are provided to transfer the contents of the tank to another tank in case of fire. On tanks installed prior to April 14, 1977, emergency check valves may be external, if the size of the opening is too small to admit the smallest emergency check valve provided:

- a) The valve used incorporates a shear section, and
- b) The valve is so installed that any undue strain beyond the valve will not cause failure between the valve and the tank.
- c) When an opening on a previously installed tank is enlarged, an internal valve is installed.

The *Gasoline Storage Act* authorizes the Office of the State Fire Marshal, in the interest of fire safety, to delegate authority to municipalities, political subdivisions or home rule units to adopt and enforce ordinances and regulations regarding aboveground tanks and piping. It is hereby noted that the Office of the State Fire Marshal has, as a matter of state-wide policy, delegated concurrent authority over the installation of aboveground storage tanks to municipalities, political subdivisions and home rule units. Therefore, the Office of the State Fire Marshal recommends contact with all local authorities to ensure compliance with their regulations as well as the findings of this review letter.

A copy of this review letter, the application and site drawings are being returned to you as well as to the local fire department and a Fire Prevention Inspector from the Office of the Illinois State Fire Marshal. Please advise Inspector Holz at 312/814-2693 when all work has been completed and before the proposed tanks are filled with product in order that an on-site inspection can be scheduled. The findings of this review are effective for a period of one year from the date of this letter. If the proposed installation is not made within this time period, the findings will be considered void, and re-application to the Office of the State Fire Marshal is required.

The Office of the State Fire Marshal will conduct an inspection as soon as possible after notification of the completion of all work. If work at the installation site is found to be incomplete or in violation of applicable regulations, follow-up inspections will be conducted at the convenience of the assigned fire prevention inspector, with use of the tanks prohibited until such final inspection occurs.



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
 APPLICATION FOR NON-DISPENSING
 ABOVE GROUND BULK STORAGE TANK INSTALLATION

SUBMIT THIS APPLICATION AND REQUIRED SITE DRAWINGS, BOTH IN TRIPLICATE, TO:

PLANS APPROVED SUBJECT TO FULL COMPLIANCE WITH ALL REGULATIONS AS SET FORTH IN OUR LETTER DATED:

3/27/98 kw

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
 FIRE PREVENTION DIVISION
 100 WEST RANDOLPH STREET
 SUITE 11-800
 CHICAGO, IL 60601

RECEIVED

MAR 26 1998

DIVISION OF FIRE PREVENTION

Division of Fire Prevention
 CHICAGO

FILE # (Office of the State Fire Marshal only): _____

LOCATION OF TANK INSTALLATION

OWNER OF TANK/TANKS

BUSINESS NAME: ELGIN MENTAL HEALTH CENTER
 ADDRESS: 750 SOUTH STATE STREET
 CITY/COUNTY: ELGIN, KANE

NAME: ILLINOIS DEPT. OF HUMAN SERVICES
 ADDRESS: 401 STRATTON BUILDING
 CITY: SPRINGFIELD ZIP: 62706

PERSON/COMPANY INSTALLING TANKS

REVIEW LETTER TO BE RETURNED TO:

NAME: CAPE ENVIRONMENTAL MANAGEMENT INC
 ADDRESS: 91 NOLL ST.
 CITY: WAUKEGAN ZIP: 60085 PHONE: 847-336-4341

NAME: CAPE ENVIRONMENTAL MANAGEMENT INC
 ADDRESS: 91 NOLL ST.
 CITY: WAUKEGAN ZIP: 60085

ARE OTHER EXISTING ABOVE GROUND STORAGE TANKS CURRENTLY LOCATED AT THIS SITE? YES

NUMBER OF TANKS TO BE INSTALLED AT THIS TIME: 1

SIZE OF TANKS TO BE INSTALLED (GALLONS) 20,000

CONTENTS OF TANKS TO BE INSTALLED HEATING OIL

ARE THE TANKS TO BE INSTALLED: NEW OR USED

WILL DIKING OR SECONDARY CONTAINMENT BE PROVIDED? (Required) YES

METHOD OF SECONDARY CONTAINMENT

Earthen Dike Double Walled Tank Steel Catch-Pan
 Concrete Dike Tank Vaulted in Concrete Other: _____

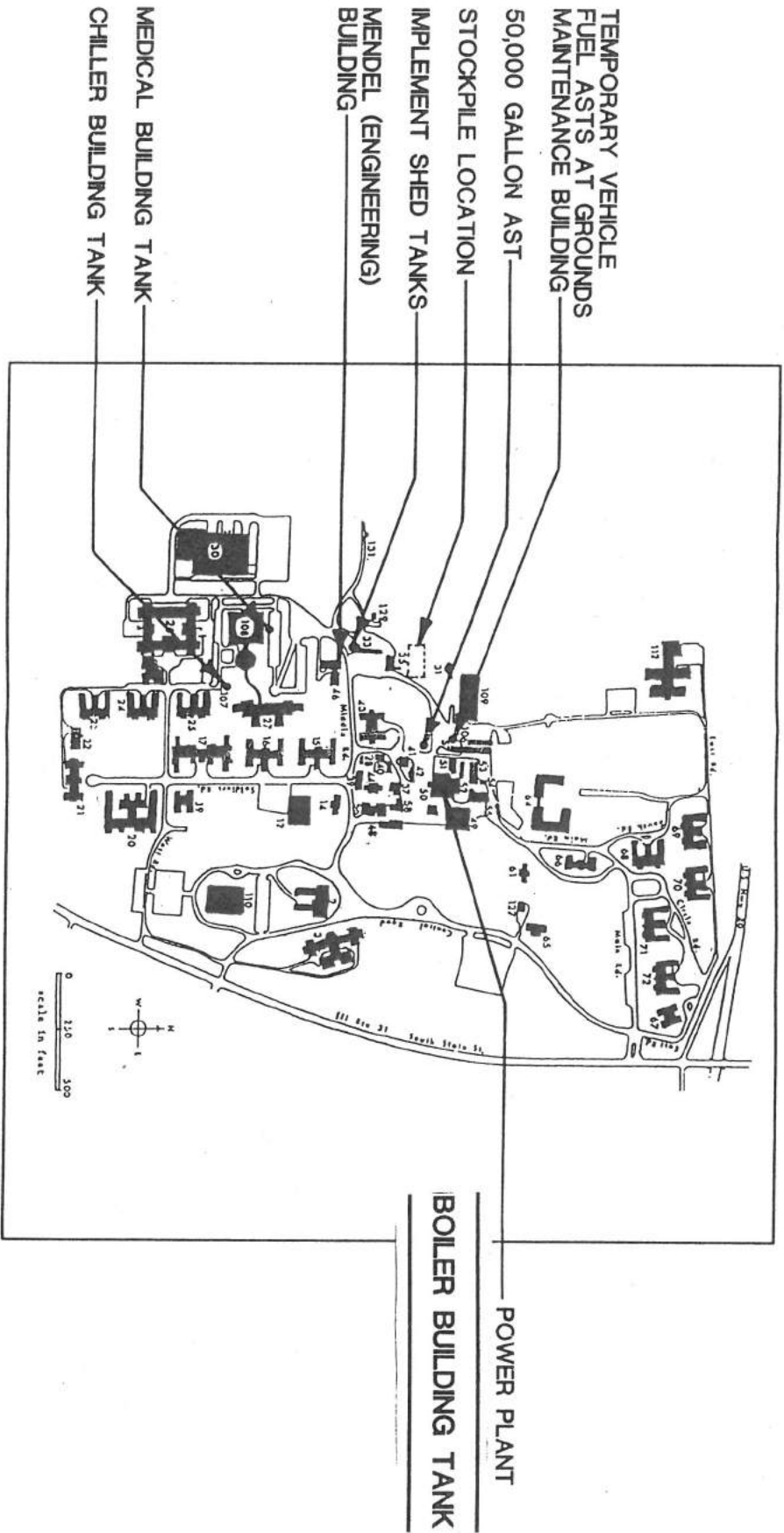
PURPOSE OF TANK INSTALLATION

(Tanks for dispensing fuel into motor vehicles require filing of different application)
 Waste Oil Storage Emergency Generator Fuel Process Liquids
 Auto Lube Oil Storage Heating Oil Bulk Petroleum Storage

SIZE OF EMERGENCY VENT TO BE PROVIDED FOR TANK/TANKS? (Required) 10"

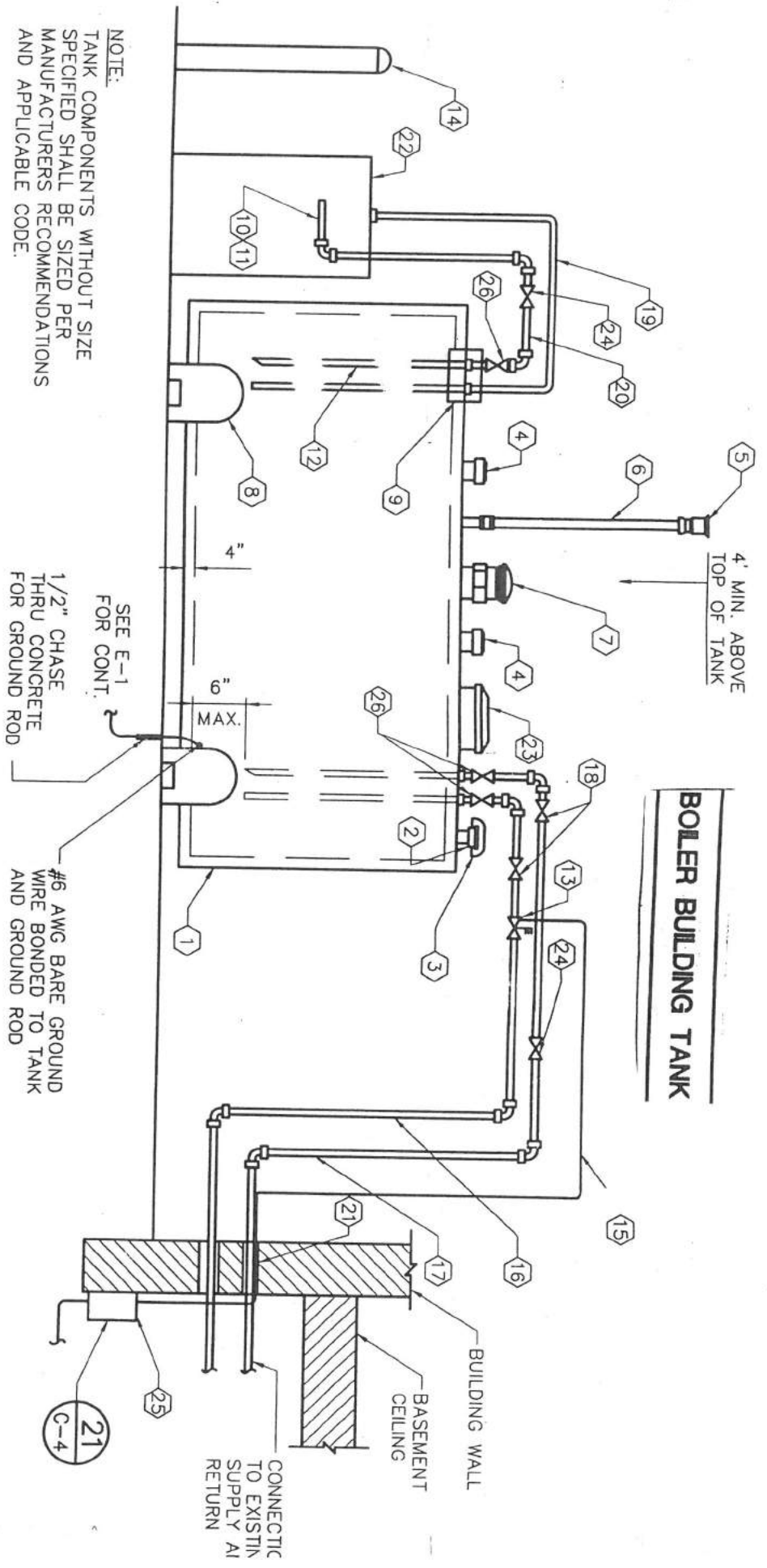
WILL TANK/TANKS BE ELECTRICALLY GROUNDED? (Required) YES

WHAT IS MATERIAL OF CONSTRUCTION OF TANK/TANKS?: 1/4" STEEL



SITE LOCATION MAP

BOILER BUILDING TANK



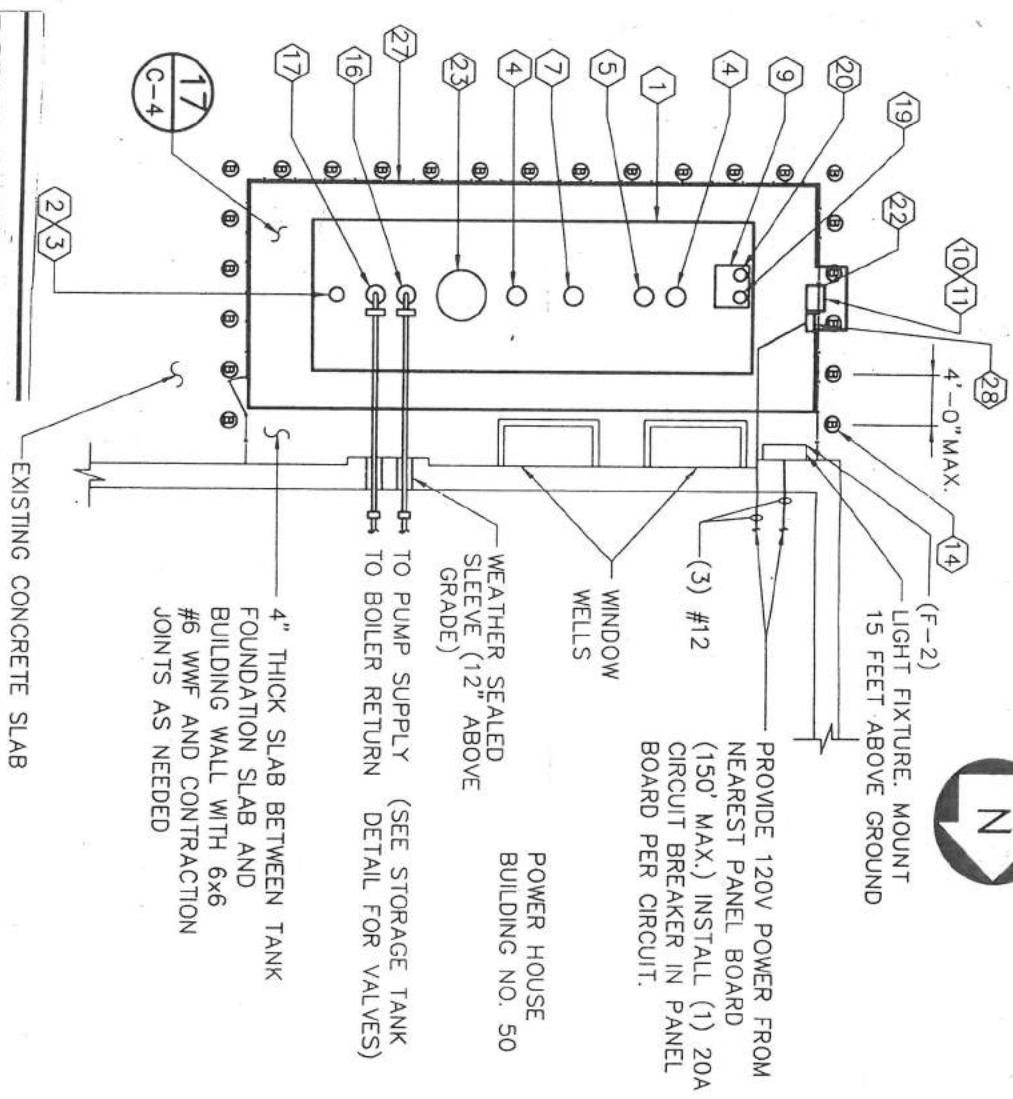
NOTE:
TANK COMPONENTS WITHOUT SIZE SPECIFIED SHALL BE SIZED PER MANUFACTURERS RECOMMENDATIONS AND APPLICABLE CODE.

HEATING OIL ABOVE GROUND STORAGE TANK
NOT TO SCALE

BOILER BUILDING TANK

HEATING OIL AST NOMENCLATURE

- ① ABOVEGROUND FUEL STORAGE TANK
- ② INTERSTITIAL MONITOR
- ③ INTERSTITIAL VENT
- ④ 4" OPENING WITH END CAP
- ⑤ STANDARD VENT CAP
- ⑥ VENT PIPE EXTENSION & COUPLING
- ⑦ EMERGENCY VENT
- ⑧ SADDLE SUPPORT
- ⑨ INTERNAL OVERSPILL W/DRAIN
- ⑩ 4" LOCKABLE FILL ADAPTER CAP
- ⑪ 4" BRONZE FILL ADAPTER
- ⑫ 4" DROP TUBE
- ⑬ 1 1/2" ELECTRIC FULL PORT SOLENOID VALVE
- ⑭ BOLLARD (TYP. OF 23)
- ⑮ CONDUIT AND FITTINGS
- ⑯ 1 1/2" SUPPLY PIPE, ELBOWS & UNIONS
- ⑰ 1 1/2" RETURN PIPE, ELBOWS & UNIONS
- ⑱ LOCKABLE BLOCK VALVE
- ⑲ GAUGE
- ⑳ 4" FILL LINE
- ㉑ SLEEVE (TYP.)
- ㉒ FUEL FILL CABINET
- ㉓ 22" (MIN.) MANWAY W/COVER
- ㉔ ANTI-SIPHON VALVE
- ㉕ SOLENOID VALVE CONTROLLER
- ㉖ FUSIBLE LINK SHUT OFF
- ㉗ FENCE
- ㉘ FUEL FILL CONTROLLER (MOUNT TO SIDE OF FUEL FILL CABINET)



BOILER BUILDING TANK
20,000 GAL AST INSTALLATION PLAN

SCALE: 1"=10'

DOCA

Elgin



CITY OF ELGIN

150 DEXTER COURT

TELEPHONE 847/931-6100
FAX 847/931-5610
FOR HEARING IMPAIRED
TDD 847/931-5616
ELGIN, ILLINOIS 60120-5555

March 31, 1998

lloyd Castleman
Cape Environmental Management, Inc.
91 Noll Street
Waukegan, IL 60085

Subject: AST - Elgin Mental Health Center

Dear Mr. Castleman;

I am in receipt of your OSFM permit for the installation of (1) 20,000 gallon aboveground (AST) outside heating oil storage tank.

I have reviewed the permit for compliance with applicable City of Elgin codes and ordinances, and have indicated comments relative to my review on the attached check list. Please be advised that your application for the 20,000 gallon tank exceeds the maximum limit of 2,500 gallon capacity.

Based on this fact, your application for installation of the 20,000 gallon AST is hereby denied.

Please feel free to contact me at (847) 931-6191 if you have any questions or require additional information concerning this matter.

Sincerely,

Stephen G. Bone
Fire Marshal



CHECK LIST FOR
ABOVEGROUND STORAGE TANKS

- 1. Tank exterior barrier must provide not less than a (2) hour pool fire resistive rating.
- 2. Tank exterior barrier must have integral or external secondary containment.
- 3. Tank enclosure barrier surface, including piping and the surface below the tank, must be monitored.
- 4. Secondary containment system components must contain a flammable or combustible liquid classification as per NFPA.
- 5. System must be installed in accordance with model fire code requirements and with the approval of the fire chief.
- 6. Physical barriers must be provided in accordance with section F-2803.4 of the BOCA National Fire Prevention Code.
 - a. On each end where vehicles approach the tank island.
 - b. If not on an island, then tank must be individually protected against impact.
 - 1. Minimum of 30" in height
 - 2. Must have a resistive force of 12,000# applied 30" above driving surface.
- 7. Each tank enclosure must be surrounded by a clear space of 3 feet for maintenance and inspection.
- 8. No more than (2) tanks shall be located on any single zoning lot..
- 9. No tank shall exceed 2,500 gallons individual capacity or 5,000 gallon aggregate capacity.
- 10. No liquid shall be stored in an AST that has a flash point less than that of gasoline or (-36 to -45°F)
- 11. An automatic shut-off device capable of stopping the delivery of fuel into a storage tank at 90% of the tank capacity.
- 12. Tank contents must be transferred by means of fixed pumps only.
- 13. Pumps must be designed and equipped so as to prevent accidental discharge.
- 14. Dispensing devices are permitted to be installed on the top of special enclosures.

Page 2 - AST Review Check List

- 15. All tank openings associated with piping, vents, and inspections, shall be through the top of the tank only.
- 16. Approved anti-siphon devices shall be installed at each connection of the piping to the tank when such piping extends below the level of the top of the tank.
- 17. Each tank enclosure shall be separated from any building, lot line, and public way by not less than 20', unless approved by the fire chief.
- 18. Tanks shall not be located where in the opinion of the fire chief, the tank constitutes a threat to life or property.
- 19. The location of the AST shall comply with such additional and further regulations as maybe provided in the City's zoning ordinance or other requirements provided by law.
- 20. AST shall not be for use by the general public.
- 21. AST contents shall not be transferred into any vessel or device to be used or controlled by the general public.
- 22. Plans for AST must be submitted to the fire marshal and DOCA zoning officer for approval
- 23. AST plans must include the following:
 - a. Site plan showing exact location with reference to the following:
 - 1. Lot lines
 - 2. Utilities
 - 3. Buildings
 - b. Details in plans shall include the following:
 - 1. All piping systems
 - 2. Pumping & transfer systems
 - 3. Tank specifications
 - 4. Site protection, including safety equipment & signage
- 24. Portable fire extinguisher(s) must be provided.

CITY OF ELGIN - BUREAU OF INSPECTION SERVICES

150 DEXTER COURT ELGIN, ILL. 60120

TEL. 695-6500 EXT. 255

APPLICATION & PERMIT

W
 AREA
 OWNER
 CONTRACTOR
 JOB ADDRESS: 750 S. State

LOT: _____

BLOCK _____ UNIT _____

SUB'D. _____

TAX NO. _____

ZONING _____

**THIS PERMIT NOT VALID UNTIL
 CERTIFIED BY TREASURERS OFFICE**
 001 8821 6/24/88 IA
 1 80.00 GF

JOB ADDRESS 750 S. State St. - Hospital Bldg

OWNER NAME Elgin Mental Health Center

OWNER ADDRESS _____

OWNER CITY _____ **OWNER TEL.** _____

CONTRACTOR NAME Singler Roofing

CONTRACTOR ADDRESS 345 Willard

CONTRACTOR CITY Elgin **CONTRACTOR LICENSE NO.** _____

CONTRACTOR TEL. BUSINESS _____ **CONTRACTOR HOME** _____

DESCRIPTION OF WORK Reroof (Shingle) 2nd.

CR
(CODE)

97968
(VALUATION)

BUILDING		PLUMBING		FEES	
LENGTH		BATHTUB		BUILDING, FENCES, TOOL SHEDS, DEMOLITIONS, POOLS, FIREPLACES	010-441-0000
WIDTH		DRINKING - FOUNTAIN		OCCUPANCY	010-445-0000
AREA	B	FLOOR DRAIN		PLUMBING	010-446-0000
AREA	1	EJECTORS		ELECTRICAL	010-442-0000
AREA	2	KITCHEN SINK		HEATING & AIR CONDITIONING & VENT	010-444-0000
AREA OTHER		LAUNDRY TRAY		SIGNS (Not electrical)	010-447-0000
FOUNDATION		LAVATORY		MISC. (Elevators, Gas Tanks, Conveyors, etc.)	010-449-0000
MATERIAL	EXT. PIERS	SHOWER		PLAN CHECKS	010-590-0000
WIDTH TOP		SLOP SINK		PENALTY	010-454-0000
WIDTH BOTTOM		URINAL		SCHOOL SITE	010-245-0000
DEPTH IN GROUND		WASHING MACHINE		PARK SITE	010-680-0000
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HEAT		WATER HEATER		WATER SERVICE FOOTAGE	400-597-1000
AREA SQ. FT.		GAS OPENINGS		WATER METERS	400-628-0000
SERVICE AMPS.				REMOTE READS	400-628-0000
METERS INSTALLED					
TOTAL H.P.					
SIGN CIRCUITS					
HEATING		TOTAL		TOTAL FEE \$	80 ⁰⁰
ITEM	B.T.U.				
FURNACE / BOILER					
VENT - CFM's					
A/C TONS					
SIGNS					
HT. ABOVE GROUND					
SIZE	W. H.				
AREA	SQ. FT.				
TYPE					
ILLUM.					

CONDITIONS of PERMIT

REQUIRED INSPECTIONS MUST BE CALLED FOR BY APPLICANT.

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I also agree that all work performed under said permit will be in accordance with the plans and specifications which accompany this application, except for such changes as may be authorized or required by the Building Official.

PERMIT VALID FOR 6 MONTHS FROM DATE OF ISSUE

NOTICE

ALL WORK WITHIN PUBLIC R - O - W REQUIRES A SEPARATE PERMIT FROM ENGINEERING AT: 40 ANN STREET.

OWNER OR AUTHORIZED AGENT

Donald A. Durbely
 LICENSED CONTRACTOR

CITY OF ELGIN - BUREAU OF INSPECTION SERVICES

150 DEXTER COURT ELGIN, ILL. 60120

TEL. 695-6500 EXT. 255

6-20-88
DATE OF APPLICATION

APPLICATION & PERMIT

LOT:

BLOCK

UNIT

SUB'D.

TAX NO.

ZONING

**THIS PERMIT NOT VALID UNTIL
CERTIFIED BY TREASURERS OFFICE**

20.00 GF

JOB ADDRESS: 750 S. State St. AREA OWNER CONTRACTOR

OWNER
 JOB ADDRESS: 750 S. State St. MacArthur v
 NAME: State of Illinois Holden Bldg
 ADDRESS: Mental Health Center
 CITY: TEL.
CONTRACTOR
 NAME: Singles Roofing
 ADDRESS: 345 Willard
 CITY: Elgin LICENSE NO.
 TEL. BUSINESS HOME

DESCRIPTION OF WORK: Hat Roof Repairs - 2 Bldgs (CODE) CR (VALUATION) 71100

BUILDING		PLUMBING		FEES	
LENGTH		BATHTUB		BUILDING, FENCES, TOOL SHEDS, DEMOLITIONS, POOLS, FIREPLACES	010 - 441 - 0000
WIDTH		DRINKING - FOUNTAIN		OCCUPANCY	010 - 445 - 0000
AREA	B	FLOOR DRAIN		PLUMBING	010 - 446 - 0000
AREA	1	EJECTORS		ELECTRICAL	010 - 442 - 0000
AREA	2	KITCHEN SINK		HEATING & AIR CONDITIONING & VENT	010 - 444 - 0000
AREA OTHER		LAUNDRY TRAY		SIGNS (Not electrical)	010 - 447 - 0000
FOUNDATION		LAVATORY		MISC. (Elevators, Gas Tanks, Conveyors, etc.)	010 - 449 - 0000
MATERIAL	EXT. PIERS	SHOWER		PLAN CHECKS	010 - 590 - 0000
WIDTH TOP		SLOP SINK		PENALTY	010 - 454 - 0000
WIDTH BOTTOM		URINAL		SCHOOL SITE	010 - 245 - 0000
DEPTH IN GROUND		WASHING MACHINE		PARK SITE	010 - 680 - 0000
ELECTRICAL		WATER CLOSET		WATER SERVICE CONNECTIONS	400 - 597 - 0000
HEAT		WATER HEATER		WATER SERVICE FOOTAGE	400 - 597 - 1000
AREA SQ. FT.		GAS OPENINGS		WATER METERS	400 - 628 - 0000
SERVICE AMPS.				REMOTE READS	400 - 628 - 0000
METERS INSTALLED					
TOTAL H.P.					
SIGN CIRCUITS					
HEATING		TOTAL		TOTAL FEE	\$ 20⁰⁰
ITEM	B.T.U.				
FURNACE / BOILER					
VENT - CFM's					
A/C TONS					
SIGNS					
HT. ABOVE GROUND					
SIZE	W. H.				
AREA	SQ. FT.				
TYPE					
ILLUM.					

CONDITIONS of PERMIT

<p>REQUIRED INSPECTIONS MUST BE CALLED FOR BY APPLICANT.</p> <p>A CERTIFICATE OF OCCUPANCY AND COMPLIANCE MUST BE ISSUED PRIOR TO OCCUPANCY OF ALL NEW STRUCTURES, ADDITIONS, AND FOR CHANGE OF USE.</p>	<p>In consideration of this application and attached forms being made a part thereof and the issuance of permit, I will conform to the regulations set forth in the city of Elgin, Ill. codes and ordinances.</p> <p>I also agree that all work performed under said permit will be in accordance with the plans and specifications which accompany this application, except for such changes as may be authorized or required by the Building Official.</p> <p>PERMIT VALID FOR 6 MONTHS FROM DATE OF ISSUE</p>	<p>NOTICE</p> <p>ALL WORK WITHIN PUBLIC R - O - W REQUIRES A SEPARATE PERMIT FROM ENGINEERING AT: 40 ANN STREET.</p>
<p>OWNER OR AUTHORIZED AGENT</p> <p><u>Paul A. Duesby</u></p> <p>LICENSED CONTRACTOR</p>		

Appendix C

EDR Radius Report

Elign MHC

700 S State St
Elgin, IL 60123

Inquiry Number: 06121464.2r
July 14, 2020

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

700 S STATE ST
ELGIN, IL 60123

COORDINATES

Latitude (North): 42.0160170 - 42° 0' 57.66"
Longitude (West): 88.2874340 - 88° 17' 14.76"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 393400.6
UTM Y (Meters): 4652142.5
Elevation: 739 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5675554 ELGIN, IL
Version Date: 2012

South Map: 5681654 GENEVA, IL
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150916
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
700 S STATE ST
ELGIN, IL 60123

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	ELGIN MENTAL HEALTH	750 SOUTH STATE STRE	IL LUST, IL INST CONTROL, IL SRP	Lower	552, 0.105, SW
A2	ELGIN MENTAL HEALTH	750 S. STATE STREET	IL UST	Lower	552, 0.105, SW
A3	DHS ELGIN MENTAL HEA	750 SOUTH STATE ST.	IL LUST	Lower	552, 0.105, SW
A4	ILLINOIS RACING BOAR	750 S STATE MENDEL B	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	552, 0.105, SW
A5	ELGIN MENTAL HEALTH	750 S STATE	RCRA-SQG, IL LUST, ICIS, FTTS, HIST FTTS, US AIRS,...	Lower	552, 0.105, SW
B6	FOX RIVER WATER RECL	RT. 31 & DANA ST.	IL LUST	Lower	785, 0.149, South
B7	WASTE TREATMENT PLAN	DANA ST AND STATE RT	IL UST	Lower	785, 0.149, South
B8	IL CENTRAL MGMNT SER	595 S STATE ST	RCRA NonGen / NLR	Lower	848, 0.161, South
B9	IL DEPT OF STATE POL	777 S STATE ST	IL UST	Lower	931, 0.176, South
B10	ELGIN SANITARY DIST	875 S STATE ST	IL UST	Lower	943, 0.179, South
11	ELGIN SANITARY DISTR		IL IMPDMENT	Lower	1109, 0.210, SE
12	AIP PROD.	2051 NORTH LA FOX	IL LUST	Lower	1344, 0.255, South
13	CENTRAL BLACKTOP CO.	RT. 31	IL LUST	Lower	1591, 0.301, SW
14	FOX GROUP II	363 BLUFF CITY BLVD	SEMS-ARCHIVE, CORRACTS, IL LUST, RCRA NonGen /...	Lower	4002, 0.758, ENE
15	DSM DESOTECH INC	1122 ST CHARLES ST	SEMS-ARCHIVE, CORRACTS, RCRA-LQG, RAATS, FTTS,...	Lower	4047, 0.766, ESE
16	ELGIN AMERICAN GAS C	32 NATIONAL STREET	EDR MGP	Higher	4849, 0.918, NNE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

IL SSU..... State Sites Unit Listing

EXECUTIVE SUMMARY

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

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

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal institutional control / engineering control registries

IL ENG CONTROLS..... Sites with Engineering Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
IL CDL..... Meth Drug Lab Site Listing
US CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

IL TANKS..... CDPH Storage Tanks Listing

EXECUTIVE SUMMARY

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
IL SPILLS..... State spills
IL SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
UXO..... Unexploded Ordnance Sites
FUELS PROGRAM..... EPA Fuels Program Registered Listing
IL AIRS..... Air Inventory Listing
IL ASBESTOS..... ASBESTOS
IL BOL..... Bureau of Land Inventory Database
IL CHICAGO ENV..... Environmental Records Dataset
IL COAL ASH..... Coal Ash Site Listing
IL DRYCLEANERS..... Illinois Licensed Drycleaners
IL Financial Assurance..... Financial Assurance Information Listing
IL HWAR..... Hazard Waste Annual Report
IL NPDES..... A Listing of Active Permits
IL PIMW..... Potentially Infectious Medical Waste
IL TIER 2..... Tier 2 Information Listing
IL UIC..... Underground Injection Wells
MINES MRDS..... Mineral Resources Data System

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/23/2020 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FOX GROUP II</i> EPA ID:: ILD005070529	<i>363 BLUFF CITY BLVD</i>	<i>ENE 1/2 - 1 (0.758 mi.)</i>	<i>14</i>	<i>35</i>
<i>DSM DESOTECH INC</i> EPA ID:: ILD058587759	<i>1122 ST CHARLES ST</i>	<i>ESE 1/2 - 1 (0.766 mi.)</i>	<i>15</i>	<i>39</i>

EXECUTIVE SUMMARY

Federal RCRA generators list

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

A review of the RCRA-SQG list, as provided by EDR, and dated 03/23/2020 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ELGIN MENTAL HEALTH EPA ID:: ILD082050543	750 S STATE	SW 0 - 1/8 (0.105 mi.)	A5	19

State and tribal leaking storage tank lists

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

A review of the IL LUST list, as provided by EDR, and dated 04/20/2020 has revealed that there are 6 IL LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ELGIN MENTAL HEALTH Incident Num: 20190547 IL EPA Id: 894385115	750 SOUTH STATE STRE	SW 0 - 1/8 (0.105 mi.)	A1	8
DHS ELGIN MENTAL HEA Incident Num: 981699 IL EPA Id: 894385115	750 SOUTH STATE ST.	SW 0 - 1/8 (0.105 mi.)	A3	15
ELGIN MENTAL HEALTH NFA/NFR Letter: 2012-09-04 NFA/NFR Letter: 1999-03-22 Incident Num: 891217 Incident Num: 940022 Incident Num: 981344 IL EPA Id: 894385115	750 S STATE	SW 0 - 1/8 (0.105 mi.)	A5	19
FOX RIVER WATER RECL Incident Num: 20011323 IL EPA Id: 894385615	RT. 31 & DANA ST.	S 1/8 - 1/4 (0.149 mi.)	B6	28
AIP PROD. NFA/NFR Letter: 2003-07-09 Incident Num: 942621 IL EPA Id: 890805030	2051 NORTH LA FOX	S 1/4 - 1/2 (0.255 mi.)	12	34
CENTRAL BLACKTOP CO. NFA/NFR Letter: 1997-09-04 Incident Num: 912099 IL EPA Id: 890805023	RT. 31	SW 1/4 - 1/2 (0.301 mi.)	13	34

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

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

A review of the IL UST list, as provided by EDR, and dated 04/20/2020 has revealed that there are 4 IL UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ELGIN MENTAL HEALTH Tank Status: Removed Tank Status: Moved Tank Status: Currently in use Status: CLOSED Status: ACTIVE Facility Id: 2043365 Facility Id: 2008097	750 S. STATE STREET	SW 0 - 1/8 (0.105 mi.)	A2	9
WASTE TREATMENT PLAN Tank Status: Removed Status: EXEMPT Facility Id: 2040582	DANA ST AND STATE RT	S 1/8 - 1/4 (0.149 mi.)	B7	29
IL DEPT OF STATE POL Tank Status: Removed Status: CLOSED Facility Id: 2020383	777 S STATE ST	S 1/8 - 1/4 (0.176 mi.)	B9	31
ELGIN SANITARY DIST Tank Status: Unknown Status: EXEMPT Facility Id: 2005523	875 S STATE ST	S 1/8 - 1/4 (0.179 mi.)	B10	32

State and tribal institutional control / engineering control registries

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

A review of the IL INST CONTROL list, as provided by EDR, and dated 03/30/2020 has revealed that there is 1 IL INST CONTROL site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ELGIN MENTAL HEALTH Illinois EPA Id: 894385115	750 SOUTH STATE STRE	SW 0 - 1/8 (0.105 mi.)	A1	8

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

IL SRP: Illinois Environmental Protection Agency, Site Remediation Program Database

A review of the IL SRP list, as provided by EDR, and dated 03/30/2020 has revealed that there is 1 IL SRP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ELGIN MENTAL HEALTH IL EPA Id: 894385115	750 SOUTH STATE STRE	SW 0 - 1/8 (0.105 mi.)	A1	8

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/23/2020 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ILLINOIS RACING BOAR EPA ID:: ILD012123139	750 S STATE MENDEL B	SW 0 - 1/8 (0.105 mi.)	A4	15
IL CENTRAL MGMNT SER EPA ID:: ILD981955271	595 S STATE ST	S 1/8 - 1/4 (0.161 mi.)	B8	30

IL IMPDMENT: Statewide inventory of industrial, municipal, mining, oil & gas, and large agricultural impoundment. This study was conducted by the Illinois EPA to assess potential for contamination of shallow aquifers. This was a one-time study. Although many of the impoundments may no longer be present, the sites may be contaminated.

A review of the IL IMPDMENT list, as provided by EDR, and dated 12/31/1980 has revealed that there is 1 IL IMPDMENT site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ELGIN SANITARY DISTR		SE 1/8 - 1/4 (0.210 mi.)	11	33

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ILLINOIS RACING BOAR EPA ID: ILD012123139	750 S STATE MENDEL B	SW 0 - 1/8 (0.105 mi.)	A4	15

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

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

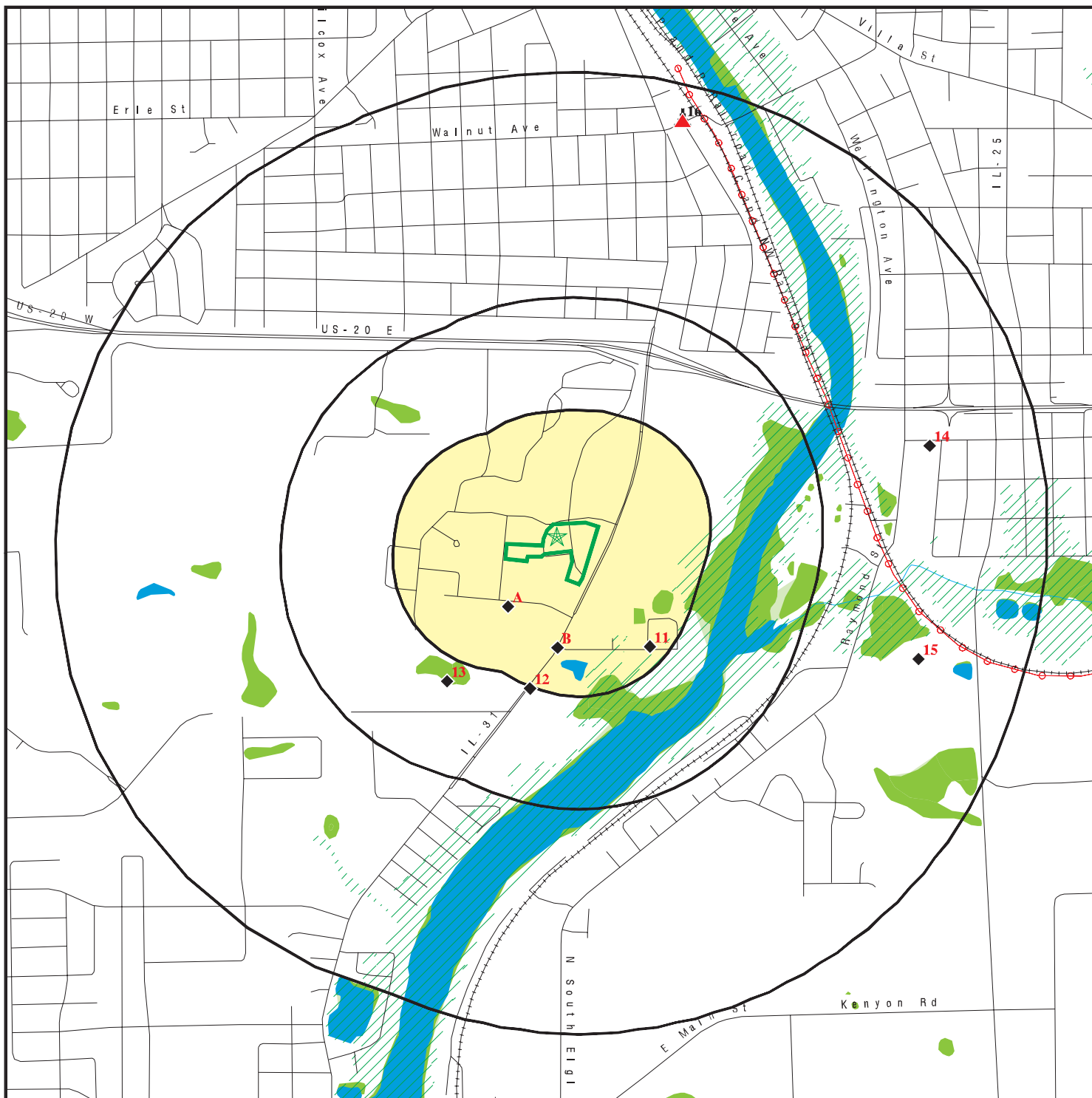
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ELGIN AMERICAN GAS C	32 NATIONAL STREET	NNE 1/2 - 1 (0.918 mi.)	16	77







EXECUTIVE SUMMARY







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

<u>Site Name</u>	<u>Database(s)</u>
BROWNSTONE DEVELOPMENT, LLC	IL LUST
ACE COFFEE BAR	IL LUST

OVERVIEW MAP - 06121464.2R



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

-  Indian Reservations BIA
-  Power transmission lines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands










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






SITE NAME: Elgin MHC
 ADDRESS: 700 S State St
 Elgin IL 60123
 LAT/LONG: 42.016017 / 88.287434

CLIENT: Stanley Consultants
 CONTACT: Jimmy Wiesbrock
 INQUIRY #: 06121464.2r
 DATE: July 14, 2020 4:58 pm

DETAIL MAP - 06121464.2R



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

-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands



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

SITE NAME: Elgin MHC
 ADDRESS: 700 S State St
 Elgin IL 60123
 LAT/LONG: 42.016017 / 88.287434

CLIENT: Stanley Consultants
 CONTACT: Jimmy Wiesbrock
 INQUIRY #: 06121464.2r
 DATE: July 14, 2020 4:59 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	2	NR	2
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
IL SSU	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
IL CCDD	0.500		0	0	0	NR	NR	0
IL SWF/LF	0.500		0	0	0	NR	NR	0
IL LF SPECIAL WASTE	0.500		0	0	0	NR	NR	0
IL NIPC	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
IL LUST	0.500		3	1	2	NR	NR	6

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MINES MRDS	0.001		0	NR	NR	NR	NR	0
<u>EDR HIGH RISK HISTORICAL RECORDS</u>								
<i>EDR Exclusive Records</i>								
EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
IL RGA HWS	0.001		0	NR	NR	NR	NR	0
IL RGA LF	0.001		0	NR	NR	NR	NR	0
IL RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	9	6	2	3	0	20

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

A1
SW
 < 1/8
 0.105 mi.
 552 ft.

ELGIN MENTAL HEALTH CENTER
750 SOUTH STATE STREET
ELGIN, IL 60123

IL LUST S107543240
IL INST CONTROL N/A
IL SRP

Site 1 of 5 in cluster A

Relative:
Lower
Actual:
737 ft.

LUST:
 Name: ELGIN MENTAL HEALTH CENTER
 Address: 750 SOUTH STATE STREET
 City,State,Zip: ELGIN, IL 60123
 Incident Num: 20190547
 IL EPA Id: 894385115
 Product: Diesel
 IEMA Date: 2019-05-31
 Project Manager: McGill
 Project Manager Phone: (217) 524-5137
 Email: Scott.McGill@illinois.gov
 PRP Name: Elgin Mental Health Center
 PRP Contact: David Arvans
 PRP Address: 750 South State Street
 PRP City,St,Zip: Elgin, IL 60123
 PRP Phone: (847) 613-8147
 Site Classification: Not reported
 Section 57.5(g) Letter: 734
 Date Section 57.5(g) Letter: Not reported
 Non LUST Determination Letter: Not reported
 20 Report Received: Not reported
 45 Report Received: 2019-07-26
NFA/NFR Letter: Not reported
 NFR Date Recorded: Not reported
 Heating Oil Date: Not reported
 Non-Lust LR Date: Not reported

IL INSTUTIONAL CONTROL:

Illinois EPA Id: 894385115
 NFR Letter: 04/25/2007
 Date NFR Recorded: 06/05/2007
 Comprehensive / Focused: Comprehensive
 Remediation Applicant Name: James Nicketta
 RA Company: John B. Sanfilippo & Son, Inc.
 RA Address: 2299 Busse Road
 RA City,St,Zip: Elk Grove Village, IL 60007
 Worker Caution: No
 Acres: 87.81
 Land Use: Industrial/Commercial
 Ground Water Use Restriction: Yes
 Highway Authority Agreement: No
 Ordinance: No
 Industrial - Commercial: Yes
 Slab on Grade: No
 BCT: No
 Building Slab: No
 Asphalt Used: No
 Concrete Used: No
 Clean Soil 3ft: No
 Clean Soil 10ft: No
 Alternate Barrier: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ELGIN MENTAL HEALTH CENTER (Continued)

S107543240

SRP:

IL EPA Id:	894385115
US EPA Id:	ILD082050543
Longitude:	-88.287796
Latitude:	42.019183
Contact Name:	James Nicketta
Contact Address:	2299 Busse Road
Contact City,St,Zip:	Elk Grove Village, IL 60007
Date Enrolled:	11/28/2005
Point Of Contact:	Dakota Prentice
Consultant Company:	Pioneer Engineering & Environmental Services, Inc.
Consultant Address:	700 North Sacramento Boulevard
Consultant City,St,Zip:	Chicago, IL 60612
Proj Mgr Assigned:	Andrew Catlin
Sec. 4 Letter Date:	Not reported
Active:	No
Remediation Applicant Co:	John B. Sanfilippo & Son, Inc.

NFRDL:

Effective:	True
Land Use:	Industrial/Commercial
Ground Water Use Restriction:	Yes
Highway Authority Agreement:	No
Ordinance:	No
Industrial - Commercial:	Yes
Slab on Grade:	No
BCT:	No
Building Slab:	No
Asphalt Used:	No
Concrete Used:	No
Clean Soil 3ft:	No
Clean Soil 10ft:	No
Alternate Barrier:	No
Remediation Applicant Name:	James Nicketta
Remediation Applicant Company:	John B. Sanfilippo & Son, Inc.
Remediation Applicant Address:	2299 Busse Road
Remediation Applicant City,St,Zip:	Elk Grove Village, IL 60007
Illinois EPA:	894385115
Site Name:	Elgin Mental Health Center
NFR Letter:	2007-04-25
NFR Letter Date Recorded:	2007-06-05
Comprehensive/Focused:	Comprehensive
Worker Caution:	N
Acres:	87.81

A2
SW
 < 1/8
 0.105 mi.
 552 ft.

ELGIN MENTAL HEALTH CTR
750 S. STATE STREET
ELGIN, IL 60123
 Site 2 of 5 in cluster A

IL UST U004060457
N/A

Relative:
Lower
Actual:
737 ft.

UST:
 Name: VACANT PROPERTY
 Address: 750 S. STATE STREET
 City: ELGIN
 Zip: 60123
 Facility ID: 2043365

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CTR (Continued)

U004060457

Facility Status: CLOSED
Facility Type: NONE
Owner Id: U0033613
Owner Name: John B. Sanfilippo & Son, Inc.
Owner Address: 2299 Busse Road
Owner City,St,Zip: Elk Grove Village, IL 60007

Tank Number: 1
Tank Status: Removed
Tank Capacity: 1000
Tank Substance: Diesel Fuel
Last Used Date: Not reported
OSFM First Notify Date: 8/17/1993
Red Tag Issue Date: Not reported
Install Date: 8/1/1989
Green Tag Decal: Not reported
Green Tag Issue Date: Not reported
Green Tag Expire Date: Not reported
Fee Due: \$0.00
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported
MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: Not reported
Equipment Type: Not reported
Equipment: Not reported
Last Passing Date: Not reported
Test Expire Date: Not reported
Removed Date: 9/13/2006
Abandoned Date: Not reported

Tank Number: 1
Tank Status: Removed
Tank Capacity: 2000
Tank Substance: Diesel Fuel
Last Used Date: Not reported
OSFM First Notify Date: 4/28/1986
Red Tag Issue Date: Not reported
Install Date: 1/1/1966
Green Tag Decal: U005234
Green Tag Issue Date: 5/17/2019
Green Tag Expire Date: 12/31/2021
Fee Due: \$0.00
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported
MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: ,94-0022 ,981
Equipment Type: Not reported
Equipment: Not reported
Last Passing Date: Not reported
Test Expire Date: Not reported
Removed Date: 5/27/1998
Abandoned Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CTR (Continued)

U004060457

Tank Number: 2
Tank Status: **Removed**
Tank Capacity: 1000
Tank Substance: Gasoline
Last Used Date: Not reported
OSFM First Notify Date: 8/17/1993
Red Tag Issue Date: Not reported
Install Date: 8/1/1989
Green Tag Decal: **Not reported**
Green Tag Issue Date: **Not reported**
Green Tag Expire Date: **Not reported**
Fee Due: \$0.00
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported
MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: Not reported
Equipment Type: Not reported
Equipment: Not reported
Last Passing Date: Not reported
Test Expire Date: Not reported
Removed Date: 9/13/2006
Abandoned Date: Not reported

Tank Number: 2
Tank Status: **Removed**
Tank Capacity: 500
Tank Substance: Diesel Fuel
Last Used Date: Not reported
OSFM First Notify Date: 4/28/1986
Red Tag Issue Date: Not reported
Install Date: 1/1/1966
Green Tag Decal: **U005234**
Green Tag Issue Date: **5/17/2019**
Green Tag Expire Date: **12/31/2021**
Fee Due: \$0.00
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported
MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: Not reported
Equipment Type: Not reported
Equipment: Not reported
Last Passing Date: Not reported
Test Expire Date: Not reported
Removed Date: 5/27/1998
Abandoned Date: Not reported

Tank Number: 3
Tank Status: **Removed**
Tank Capacity: 500
Tank Substance: Diesel Fuel
Last Used Date: 9/1/1989
OSFM First Notify Date: 4/28/1986
Red Tag Issue Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CTR (Continued)

U004060457

Install Date: Not reported
Green Tag Decal: U005234
Green Tag Issue Date: 5/17/2019
Green Tag Expire Date: 12/31/2021
Fee Due: \$0.00
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported
MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: Not reported
Equipment Type: Not reported
Equipment: Not reported
Last Passing Date: Not reported
Test Expire Date: Not reported
Removed Date: Not reported
Abandoned Date: Not reported

Tank Number: 4
Tank Status: Removed
Tank Capacity: 500
Tank Substance: Gasoline
Last Used Date: 9/1/1989
OSFM First Notify Date: 4/28/1986
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: U005234
Green Tag Issue Date: 5/17/2019
Green Tag Expire Date: 12/31/2021
Fee Due: \$0.00
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported
MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: Not reported
Equipment Type: Not reported
Equipment: Not reported
Last Passing Date: Not reported
Test Expire Date: Not reported
Removed Date: Not reported
Abandoned Date: Not reported

Tank Number: 5
Tank Status: Moved
Tank Capacity: 1000
Tank Substance: Diesel Fuel
Last Used Date: Not reported
OSFM First Notify Date: 8/17/1993
Red Tag Issue Date: Not reported
Install Date: 8/1/1989
Green Tag Decal: U005234
Green Tag Issue Date: 5/17/2019
Green Tag Expire Date: 12/31/2021
Fee Due: \$0.00
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CTR (Continued)

U004060457

MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: Not reported
Equipment Type: Not reported
Equipment: Not reported
Last Passing Date: Not reported
Test Expire Date: Not reported
Removed Date: Not reported
Abandoned Date: Not reported

Tank Number: 6
Tank Status: Moved
Tank Capacity: 1000
Tank Substance: Gasoline
Last Used Date: Not reported
OSFM First Notify Date: 8/17/1993
Red Tag Issue Date: Not reported
Install Date: 8/1/1989
Green Tag Decal: U005234
Green Tag Issue Date: 5/17/2019
Green Tag Expire Date: 12/31/2021
Fee Due: \$0.00
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported
MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: Not reported
Equipment Type: Not reported
Equipment: Not reported
Last Passing Date: Not reported
Test Expire Date: Not reported
Removed Date: Not reported
Abandoned Date: Not reported

Tank Number: 7
Tank Status: Removed
Tank Capacity: 1000
Tank Substance: Heating Oil
Last Used Date: 12/31/1973
OSFM First Notify Date: 10/4/1994
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: U005234
Green Tag Issue Date: 5/17/2019
Green Tag Expire Date: 12/31/2021
Fee Due: Not reported
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported
MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: Not reported
Equipment Type: Not reported
Equipment: Not reported
Last Passing Date: Not reported
Test Expire Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CTR (Continued)

U004060457

Removed Date: 1/3/1994
Abandoned Date: Not reported

Tank Number: 8
Tank Status: **Removed**
Tank Capacity: 1000
Tank Substance: Diesel Fuel
Last Used Date: 12/31/2005
OSFM First Notify Date: 8/8/2000
Red Tag Issue Date: Not reported
Install Date: 6/5/1998
Green Tag Decal: **U005234**
Green Tag Issue Date: **5/17/2019**
Green Tag Expire Date: **12/31/2021**
Fee Due: \$0.00
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported
MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: Not reported
Equipment Type: Corrosion Prot - Piping
Equipment: Composite Secondary Containment
Last Passing Date: N/A
Test Expire Date: N/A
Removed Date: 5/17/2019
Abandoned Date: Not reported

Tank Number: 9
Tank Status: **Currently in use**
Tank Capacity: 1000
Tank Substance: Diesel Fuel
Last Used Date: Not reported
OSFM First Notify Date: 8/8/2000
Red Tag Issue Date: Not reported
Install Date: 6/5/1998
Green Tag Decal: **U005234**
Green Tag Issue Date: **5/17/2019**
Green Tag Expire Date: **12/31/2021**
Fee Due: \$0.00
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported
MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: Not reported
Equipment Type: Corrosion Prot - Piping
Equipment: Composite Secondary Containment
Last Passing Date: N/A
Test Expire Date: N/A
Removed Date: Not reported
Abandoned Date: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A3
SW
< 1/8
0.105 mi.
552 ft.

DHS ELGIN MENTAL HEALTH CTR.
750 SOUTH STATE ST.
ELGIN, IL 60123

IL LUST **S104528874**
N/A

Site 3 of 5 in cluster A

Relative:
Lower
Actual:
737 ft.

LUST:
Name: DHS ELGIN MENTAL HEALTH CTR.
Address: 750 SOUTH STATE ST.
City,State,Zip: ELGIN, IL 60123
Incident Num: 981699
IL EPA Id: 894385115
Product: Diesel
IEMA Date: 1998-07-13
Project Manager: Ingold
Project Manager Phone: Not reported
Email: Not reported
PRP Name: DHS Elgin Mental Health Ctr.
PRP Contact: Mike Berlin
PRP Address: 750 South State St.
PRP City,St,Zip: Elgin, IL 60123
PRP Phone: 8477421040
Site Classification: Not reported
Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: 1998-11-30
20 Report Received: 1998-08-10
45 Report Received: Not reported
NFA/NFR Letter: Not reported
NFR Date Recorded: Not reported
Heating Oil Date: Not reported
Non-Lust LR Date: 1998-11-30

A4
SW
< 1/8
0.105 mi.
552 ft.

ILLINOIS RACING BOARD LABORATORY
750 S STATE MENDEL BLDG EMHC
ELGIN, IL 60120

RCRA NonGen / NLR **1000258064**
FINDS **ILD012123139**
ECHO
NY MANIFEST

Site 4 of 5 in cluster A

Relative:
Lower
Actual:
737 ft.

RCRA NonGen / NLR:
Date form received by agency: 2019-12-13 00:00:00.0
Facility name: ILLINOIS RACING BOARD LABORATORY
Facility address: 750 S STATE MENDEL BLDG EMHC
ELGIN, IL 60120
EPA ID: ILD012123139
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: STATE OF ILLINOIS
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ILLINOIS RACING BOARD LABORATORY (Continued)

1000258064

Owner/operator country: Not reported
Owner/operator telephone: 312-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998

Owner/operator country: Not reported
Owner/operator telephone: 312-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Not reported
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 1982-06-25 00:00:00.0
Site name: ILLINOIS RACING BOARD LABORATORY
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ILLINOIS RACING BOARD LABORATORY (Continued)

1000258064

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

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

- . Waste code: U003
- . Waste name: ACETONITRILE (I,T)

- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

- . Waste code: U056
- . Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

- . Waste code: U112
- . Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

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

Violation Status: No violations found

FINDS:

Registry ID: 110005820219

Click Here:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ILLINOIS RACING BOARD LABORATORY (Continued)

1000258064

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1000258064
Registry ID: 110005820219
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110005820219>
Name: ILLINOIS RACING BOARD LABORATORY
Address: 750 S STATE MENDEL BLDG EMHC
City,State,Zip: ELGIN, IL 60120

NY MANIFEST:

Name: ILLINOIS RACING BOARD
Address: 750 S STATE MENDEL BLDG EMHC
City,State,Zip: ELGIN, IL 60120
Country: USA
EPA ID: ILD012123139
Facility Status: Not reported
Location Address 1: 750 SOUTH STATE STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: ELGIN
Location State: IL
Location Zip: 60120
Location Zip 4: Not reported

NY MANIFEST:

EPAID: ILD012123139
Mailing Name: ILLINOIS RACING BOARD
Mailing Contact: ILLINOIS RACING BOARD
Mailing Address 1: 750 SOUTH STATE STREET
Mailing Address 2: Not reported
Mailing City: ELGIN
Mailing State: IL
Mailing Zip: 60120
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 3126950336

NY MANIFEST:

Document ID: NYA5562972
Manifest Status: K
seq: Not reported
Year: 1987
Trans1 State ID: P67394
Trans2 State ID: NYX20163
Generator Ship Date: 08/11/1987
Trans1 Recv Date: 08/11/1987

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ILLINOIS RACING BOARD LABORATORY (Continued)

1000258064

Trans2 Recv Date: 08/12/1987
 TSD Site Recv Date: 08/21/1987
 Part A Recv Date: 09/14/1987
 Part B Recv Date: 08/28/1987
 Generator EPA ID: ILD012123139
 Trans1 EPA ID: NYD980769947
 Trans2 EPA ID: NYD980769947
 TSD ID 1: NYD000632372
 TSD ID 2: Not reported
 Manifest Tracking Number: Not reported
 Import Indicator: Not reported
 Export Indicator: Not reported
 Discr Quantity Indicator: Not reported
 Discr Type Indicator: Not reported
 Discr Residue Indicator: Not reported
 Discr Partial Reject Indicator: Not reported
 Discr Full Reject Indicator: Not reported
 Manifest Ref Number: Not reported
 Alt Facility RCRA ID: Not reported
 Alt Facility Sign Date: Not reported
 MGMT Method Type Code: Not reported
 Waste Code: D001 - NON-LISTED IGNITABLE WASTES
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Quantity: 00015
 Units: P - Pounds
 Number of Containers: 001
 Container Type: DF - Fiberboard or plastic drums (glass)
 Handling Method: B Incineration, heat recovery, burning.
 Specific Gravity: 100

A5
SW
< 1/8
0.105 mi.
552 ft.
Relative:
Lower
Actual:
737 ft.

ELGIN MENTAL HEALTH CENTER
750 S STATE
ELGIN, IL 60123
Site 5 of 5 in cluster A

RCRA-SQG 1000462219
IL LUST ILD082050543
ICIS
FTTS
HIST FTTS
US AIRS
FINDS
ECHO

RCRA-SQG:
 Date form received by agency: 1990-11-27 00:00:00.0
 Facility name: ELGIN MENTAL HEALTH CENTER
 Facility address: 750 S STATE
 ELGIN, IL 60123
 EPA ID: ILD082050543
 Contact: BILL CLANIN
 Contact address: 750 S STATE
 ELGIN, IL 60123
 Contact country: US
 Contact telephone: 708-342-1040
 Contact email: Not reported
 EPA Region: 05
 Classification: Small Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CENTER (Continued)

1000462219

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: IL DEPT MENTAL HEALTH STATE OF
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

LUST:

Name: ELGIN MENTAL HEALTH CTR.
Address: 750 SOUTH STATE
City,State,Zip: ELGIN, IL 60123
Incident Num: 891217
IL EPA Id: 894385115
Product: Gasoline
IEMA Date: 1989-07-12
Project Manager: NOT ASSIGNED
Project Manager Phone: Not reported
Email: Not reported
PRP Name: Elgin Mental Health Ctr.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CENTER (Continued)

1000462219

PRP Contact: Bill Clapin
PRP Address: 750 South State
PRP City,St,Zip: Elgin, IL 60123
PRP Phone: Not reported
Site Classification: Not reported
Section 57.5(g) Letter: 731
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: Not reported
45 Report Received: Not reported
NFA/NFR Letter: 2012-09-04
NFR Date Recorded: Not reported
Heating Oil Date: Not reported
Non-Lust LR Date: Not reported

Name: ELGIN MENTAL HEALTH CENTER
Address: 750 SOUTH STATE
City,State,Zip: ELGIN, IL 60123
Incident Num: 940022
IL EPA Id: 894385115
Product: Not reported
IEMA Date: 1994-01-04
Project Manager: Bauer
Project Manager Phone: (217) 782-3335
Email: Brian.Bauer@illinois.gov
PRP Name: Elgin Mental Health Center
PRP Contact: Bob Zoller
PRP Address: 750 South State
PRP City,St,Zip: Elgin, IL 60123
PRP Phone: Not reported
Site Classification: Not reported
Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: 1994-12-27
Non LUST Determination Letter: Not reported
20 Report Received: 1994-02-22
45 Report Received: Not reported
NFA/NFR Letter: Not reported
NFR Date Recorded: Not reported
Heating Oil Date: 1994-12-27
Non-Lust LR Date: Not reported

Name: ELGIN MENTAL HEALTH DEPT. HUMAN SERVICES
Address: 750 SOUTH STATE
City,State,Zip: ELGIN, IL 60123
Incident Num: 981344
IL EPA Id: 894385115
Product: Diesel
IEMA Date: 1998-06-05
Project Manager: Ingold
Project Manager Phone: Not reported
Email: Not reported
PRP Name: Elgin Mental Health Dept. of Human Services
PRP Contact: Bob Zoller
PRP Address: 750 South State
PRP City,St,Zip: Elgin, IL 60123
PRP Phone: 8477421040
Site Classification: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CENTER (Continued)

1000462219

Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: Not reported
45 Report Received: 1998-07-28
NFA/NFR Letter: 1999-03-22
NFR Date Recorded: 1999-07-09
Heating Oil Date: Not reported
Non-Lust LR Date: Not reported

ICIS:

Enforcement Action ID: IL000A0000170890011100005
FRS ID: 110001814582
Action Name: ELGIN MENTAL HEALTH CENTER 170890011100005
Facility Name: ELGIN MENTAL HEALTH CENTER
Facility Address: 750 S STATE ST
ELGIN, IL 60123

Enforcement Action Type: Notice of Violation
Facility County: KANE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 8063
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.014427
Longitude in Decimal Degrees: -88.289778
Permit Type Desc: Not reported
Program System Acronym: IL000089438AAH
Facility NAICS Code: 622210
Tribal Land Code: Not reported

Enforcement Action ID: 05-1987-0518
FRS ID: 110001814582
Action Name: ELGIN MENTAL HEALTH CENTER
Facility Name: ELGIN MENTAL HEALTH CENTER
Facility Address: 750 S STATE
ELGIN, IL 60123

Enforcement Action Type: TSCA 16 Action For Penalty
Facility County: KANE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 16
Facility SIC Code: 8063
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.0144
Longitude in Decimal Degrees: -88.289703
Permit Type Desc: Not reported
Program System Acronym: 27614
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: ELGIN MENTAL HEALTH CENTER
Address: 750 S STATE ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CENTER (Continued)

1000462219

SIC Code: 8063

Facility Name: ELGIN MENTAL HEALTH CENTER
Address: 750 S STATE ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8063

Facility Name: ELGIN MENTAL HEALTH CENTER
Address: 750 S STATE ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8063

Facility Name: ELGIN MENTAL HEALTH CENTER
Address: 750 S STATE ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8063

Facility Name: ELGIN MENTAL HEALTH CENTER
Address: 750 S STATE ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8063

Facility Name: ELGIN MENTAL HEALTH CENTER
Address: 750 S STATE ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8063

Facility Name: ELGIN MENTAL HEALTH CENTER
Address: 750 S STATE ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8063

Facility Name: ELGIN MENTAL HEALTH CENTER
Address: 750 S STATE ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8063

Facility Name: ELGIN MENTAL HEALTH CENTER
Address: 750 S STATE ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8063

FTTS:

Case Number: Not reported
Docket Number: TSCA-V-C-006-88
Complaint Issue Date: 10/30/87
Abatement Amount: 163500.0000
Proposed Penalty: 32000.0000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CENTER (Continued)

1000462219

Final Assessment: 8000.0000
Final Order Date: 07/18/88
Close Date: / /
Violations(s): PCB, Use

FTTS INSP:

Inspection Number: 19940228IL018 2
Region: 05
Inspection Date: 02/28/94
Inspector: SAVAGE
Violation occurred: No
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

Inspection Number: 1986021990000 1
Region: 05
Inspection Date: 02/19/86
Inspector: MCDONALD
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Headquarters
Legislation Code: TSCA
Facility Function: Manufacturer

HIST FTTS INSP:

Inspection Number: 19940228IL018 2
Region: 05
Inspection Date: Not reported
Inspector: SAVAGE
Violation occurred: No
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

Inspection Number: 1986021990000 1
Region: 05
Inspection Date: Not reported
Inspector: MCDONALD
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Headquarters
Legislation Code: TSCA
Facility Function: Manufacturer

US AIRS MINOR:

Envid: 1000462219
Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
D and B Number: Not reported
Primary SIC Code: 8063

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CENTER (Continued)

1000462219

NAICS Code: 622210
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1975-06-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-01-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-04-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CENTER (Continued)

1000462219

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-12-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-04-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-12-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-12-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CENTER (Continued)

1000462219

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-12-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-11-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089438AAH
Facility Registry ID: 110001814582
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-11-21 00:00:00
Activity Status Date: 1984-11-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

FINDS:

Registry ID: 110001814582

Click Here:

Environmental Interest/Information System:

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act. NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CENTER (Continued)

1000462219

regions and states with cooperative agreements, enforcement actions, and settlements.
ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations
AIR EMISSIONS CLASSIFICATION UNKNOWN
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
AIR MINOR
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's 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. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

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

ECHO:

Envid: 1000462219
Registry ID: 110001814582
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001814582>
Name: ELGIN MENTAL HEALTH CENTER
Address: 750 S STATE ST
City,State,Zip: ELGIN, IL 60123

B6
South
1/8-1/4
0.149 mi.
785 ft.

FOX RIVER WATER RECLAMATION DIST.
RT. 31 & DANA ST.
ELGIN, IL 60121

IL LUST S105060098
N/A

Site 1 of 5 in cluster B

Relative:
Lower
Actual:
722 ft.

LUST:
Name: FOX RIVER WATER RECLAMATION DIST.
Address: RT. 31 & DANA ST.
City,State,Zip: ELGIN, IL 60121
Incident Num: 20011323
IL EPA Id: 894385615
Product: Other Petroleum
IEMA Date: 2001-08-03
Project Manager: NOT ASSIGNED
Project Manager Phone: Not reported
Email: Not reported
PRP Name: Fox River Water Reclamation Dist.
PRP Contact: Rick Manner
PRP Address: P.O. Box 328

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOX RIVER WATER RECLAMATION DIST. (Continued)

S105060098

PRP City,St,Zip: Elgin, IL 60121
PRP Phone: 8477422098
Site Classification: Not reported
Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: 2001-09-24
45 Report Received: 2001-09-18
NFA/NFR Letter: Not reported
NFR Date Recorded: Not reported
Heating Oil Date: Not reported
Non-Lust LR Date: Not reported

B7
South
1/8-1/4
0.149 mi.
785 ft.

WASTE TREATMENT PLANT FOX RIVER WRD
DANA ST AND STATE RT 31
ELGIN, IL 60121

IL UST **U003795590**
N/A

Site 2 of 5 in cluster B

Relative:
Lower
Actual:
722 ft.

UST:
Name: WASTE TREATMENT PLANT FOX RIVER WRD
Address: DANA ST AND STATE RT 31
City: ELGIN
Zip: 60121
Facility ID: 2040582
Facility Status: EXEMPT
Facility Type: NONE
Owner Id: U0022695
Owner Name: Fox River Water Reclamation District
Owner Address: P.O. Box 328 Raymond Street & Purify Drive
Owner City,St,Zip: Elgin, IL 60121

Tank Number: 1
Tank Status: Removed
Tank Capacity: 500
Tank Substance: Heating Oil
Last Used Date: 12/30/1973
OSFM First Notify Date: Not reported
Red Tag Issue Date: Not reported
Install Date: 1/1/1955
Green Tag Decal: Not reported
Green Tag Issue Date: Not reported
Green Tag Expire Date: Not reported
Fee Due: Not reported
Motor Fuel Permit Inspection Date: Not reported
Motor Fuel Permit Expiration Date: Not reported
MOTOR FUEL TYPE: Not reported
Pending Nov: N
IEMA: 01-1323
Equipment Type: Not reported
Equipment: Not reported
Last Passing Date: Not reported
Test Expire Date: Not reported
Removed Date: 8/3/2001
Abandoned Date: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B8 **IL CENTRAL MGMNT SERV DEPT OF VEHICLES** **RCRA NonGen / NLR** **1000168850**
South **595 S STATE ST** **ILD981955271**
1/8-1/4 **ELGIN, IL 60120**
0.161 mi.
848 ft. **Site 3 of 5 in cluster B**

Relative: RCRA NonGen / NLR:
Lower Date form received by agency: 2007-11-01 00:00:00.0
Actual: Facility name: IL CENTRAL MGMNT SERV DEPT OF VEHICLES
722 ft. Facility address: 595 S STATE ST
ELGIN, IL 60120
EPA ID: ILD981955271
Contact: ENV COORDINATOR
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 217-782-2535
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ILLINOIS STATE OF
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998
Owner/operator country: Not reported
Owner/operator telephone: 312-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998
Owner/operator country: Not reported
Owner/operator telephone: 312-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IL CENTRAL MGMNT SERV DEPT OF VEHICLES (Continued)

1000168850

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

Historical Generators:

Date form received by agency: 1987-03-11 00:00:00.0
Site name: IL CENTRAL MGMNT SERV DEPT OF VEHICLES
Classification: Large Quantity Generator

Hazardous Waste Summary:

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

Violation Status: No violations found

B9
South
1/8-1/4
0.176 mi.
931 ft.

IL DEPT OF STATE POLICE
777 S STATE ST
ELGIN, IL 60120
Site 4 of 5 in cluster B

IL UST **U000177102**
N/A

Relative:
Lower
Actual:
721 ft.

UST:
Name: IL DEPT OF STATE POLICE
Address: 777 S STATE ST
City: ELGIN
Zip: 60120
Facility ID: 2020383
Facility Status: CLOSED
Facility Type: NONE
Owner Id: U0007337
Owner Name: Il Dept Of State Police
Owner Address: 401 Armory Bldg
Owner City,St,Zip: Springfield, IL 62706

Tank Number: 1
Tank Status: Removed
Tank Capacity: 0
Tank Substance: Gasoline
Last Used Date: 1/1/1980
OSFM First Notify Date: 4/18/1986
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: Not reported
Green Tag Issue Date: Not reported
Green Tag Expire Date: Not reported
Fee Due: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

IL DEPT OF STATE POLICE (Continued)

U000177102

Motor Fuel Permit Inspection Date: Not reported
 Motor Fuel Permit Expiration Date: Not reported
 MOTOR FUEL TYPE: Not reported
 Pending Nov: N
 IEMA: Not reported
 Equipment Type: Not reported
 Equipment: Not reported
 Last Passing Date: Not reported
 Test Expire Date: Not reported
 Removed Date: Not reported
 Abandoned Date: Not reported

B10
South
1/8-1/4
0.179 mi.
943 ft.

ELGIN SANITARY DIST OF
875 S STATE ST
ELGIN, IL 60120

IL UST U000867602
N/A

Site 5 of 5 in cluster B

Relative:
Lower

UST:

Actual:
721 ft.

Name: ELGIN SANITARY DIST OF
 Address: 875 S STATE ST
 City: ELGIN
 Zip: 60120
 Facility ID: 2005523
 Facility Status: EXEMPT
Facility Type: NONE
 Owner Id: U0004665
 Owner Name: Elgin Sanitary District
 Owner Address: Po Box 92
 Owner City,St,Zip: Elgin, IL 60121

Tank Number: 1
Tank Status: Unknown
 Tank Capacity: 6000
 Tank Substance: Not reported
 Last Used Date: Not reported
 OSFM First Notify Date: 3/26/1986
 Red Tag Issue Date: Not reported
 Install Date: Not reported
Green Tag Decal: Not reported
Green Tag Issue Date: Not reported
Green Tag Expire Date: Not reported
 Fee Due: Not reported
 Motor Fuel Permit Inspection Date: Not reported
 Motor Fuel Permit Expiration Date: Not reported
 MOTOR FUEL TYPE: Not reported
 Pending Nov: N
 IEMA: Not reported
 Equipment Type: Not reported
 Equipment: Not reported
 Last Passing Date: Not reported
 Test Expire Date: Not reported
 Removed Date: Not reported
 Abandoned Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

11
 SE
 1/8-1/4
 0.210 mi.
 1109 ft.

ELGIN SANITARY DISTRICT
 , IL

IL IMPDMNT S105250528
N/A

Relative:
Lower
Actual:
710 ft.

SIA:
 Area: 0.0000000000
 Perimeter: 0.0000000000
 County FIPS Code: 089
 Place Code: 23074
 Type of Impoundment Facility: MUNICIPAL
 SIA Number: 00285
 # of impoundments at Site: 002
 IEPA ID: 0
 NPDES Permit #: IL0035891
 SIC Code 2: 4952
 Latitude: 420045
 Longitude: 0881700
 Date Facility Id'd and Inventoried: 41879
 Land owner street address: ELGIN AVE & RAYMOND ST-P O BOX 92
 Land Owner City,St,Zip: ELGIN, IL 60120
 Operator of impoundment: Not reported
 Operator address: Not reported
 Operator City,St,Zip: 0
 State Abbreviation: Not reported
 County FIPS Code: Not reported
 Place Code: 0
 Type of Impoundment Facility 2: Not reported
 SIA Number: Not reported
 Unique impoundment Number: Not reported
 Purpose For Impoundment: Not reported
 Explanation For Above: Not reported
 Age of Impoundment in Years: Not reported
 Impoundment Currently In Use: Not reported
 # of years in Operation if In Use: Not reported
 Unique Record # assigned by S. Schock: P4655
 Last Year of Operation if Not in Use: Not reported
 Surface Area of all impoundments (acres): Not reported
 Surface Area of all impoundments (acres): Not reported
 Average Influent (Gal/day) Into Impoundment: Not reported
 Year of Record for above (influent) average: Not reported
 Average Effluent (gal/day) out of impoundment: Not reported
 Year of record for above (effluent) average: Not reported
 Year of record for above average: Not reported
 Year of record for above average: Not reported
 Avg Effluent for all Impoundments at facility: Not reported
 Year of Record for above Average: Not reported
 Bottom of Liner: Not reported
 If Liner Type ?? Above, Thickness (inches): Not reported
 Description of Liner Type If ?? Above: Not reported
 If Agricultural Impoundment, Type of Livestock: Not reported
 If Agricultural Impoundment, Average Daily # Livestock: Not reported
 Number of Monitoring Wells: Not reported
 Frequency Of Groundwater Samplings: Not reported
 Explanation Of GW Sampling if Other: Not reported
 GW Quality Changes Detected: Not reported
 Seepage Affected Drnk Water Wells Within 1 Mile: Not reported
 Site Features: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELGIN SANITARY DISTRICT (Continued)

S105250528

Dun and Bradst # Identifying Facility Type 2: Not reported
Dun and Bradst # Identifying Operator Business 2: Not reported
Dun and Bradst # Identifying Facility Type 2: Not reported
Dun and Bradst # Identifying Operator Business 2: Not reported
SIC Code 2: Not reported

12
South
1/4-1/2
0.255 mi.
1344 ft.

**AIP PROD.
2051 NORTH LA FOX
SOUTH ELGIN, IL 60177**

**IL LUST S104522836
N/A**

**Relative:
Lower**

LUST:

**Actual:
713 ft.**

Name: AIP PROD.
Address: 2051 NORTH LA FOX
City,State,Zip: SOUTH ELGIN, IL 60177
Incident Num: 942621
IL EPA Id: 890805030
Product: Gasoline
IEMA Date: 1994-11-18
Project Manager: Putrich
Project Manager Phone: (217) 524-4827
Email: Steve.Putrich@illinois.gov
PRP Name: AIP Prod.
PRP Contact: Peter Occhipinti
PRP Address: 2051 North La Fox
PRP City,St,Zip: South Elgin, IL 60177
PRP Phone: Not reported
Site Classification: HIGH
Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: 1995-02-16
45 Report Received: 1995-06-22
NFA/NFR Letter: 2003-07-09
NFR Date Recorded: 2004-03-15
Heating Oil Date: Not reported
Non-Lust LR Date: Not reported

13
SW
1/4-1/2
0.301 mi.
1591 ft.

**CENTRAL BLACKTOP CO.
RT. 31
SOUTH ELGIN, IL 60177**

**IL LUST S103294331
N/A**

**Relative:
Lower**

LUST:

**Actual:
707 ft.**

Name: CENTRAL BLACKTOP CO.
Address: RT. 31
City,State,Zip: SOUTH ELGIN, IL 60177
Incident Num: 912099
IL EPA Id: 890805023
Product: Diesel, Used Oil
IEMA Date: 1991-07-31
Project Manager: Putrich
Project Manager Phone: (217) 524-4827
Email: Steve.Putrich@illinois.gov

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CENTRAL BLACKTOP CO. (Continued)

S103294331

PRP Name: Central Blacktop Co.
 PRP Contact: Joseph Benson
 PRP Address: P.O. Box 2080
 PRP City,St,Zip: La Grange, IL 60525-8180
 PRP Phone: Not reported
 Site Classification: Not reported
 Section 57.5(g) Letter: 731
 Date Section 57.5(g) Letter: Not reported
 Non LUST Determination Letter: Not reported
 20 Report Received: Not reported
 45 Report Received: Not reported
NFA/NFR Letter: 1997-09-04
 NFR Date Recorded: 1998-04-03
 Heating Oil Date: Not reported
 Non-Lust LR Date: Not reported

14
ENE
1/2-1
0.758 mi.
4002 ft.

Relative:
Lower

Actual:
729 ft.

FOX GROUP II
363 BLUFF CITY BLVD
ELGIN, IL 60120

SEMS-ARCHIVE 1000255361
CORRACTS ILD005070529
IL LUST
RCRA NonGen / NLR
FINDS
ECHO

SEMS Archive:
 Site ID: 0500140
 EPA ID: ILD005070529
 Name: ELGIN METAL CASKET CO
 Address: 363 BLUFF CITY BLVD
 Address 2: Not reported
 City,State,Zip: ELGIN, IL 60120
 Cong District: 12
 FIPS Code: 17089
 FF: N
 NPL: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
 Region: 05
 Site ID: 0500140
 EPA ID: ILD005070529
 Site Name: ELGIN METAL CASKET CO
 NPL: N
 FF: N
 OU: 00
 Action Code: VS
 Action Name: ARCH SITE
 SEQ: 1
 Start Date: Not reported
 Finish Date: 1995-10-30 05:00:00
 Qual: Not reported
 Current Action Lead: EPA Perf In-Hse

Region: 05
 Site ID: 0500140
 EPA ID: ILD005070529
 Site Name: ELGIN METAL CASKET CO
 NPL: N
 FF: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOX GROUP II (Continued)

1000255361

OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1984-02-01 05:00:00
Finish Date: 1984-02-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0500140
EPA ID: ILD005070529
Site Name: ELGIN METAL CASKET CO
NPL: N
FF: N
OU: 00
Action Code: HR
Action Name: HAZRANK
SEQ: 1
Start Date: Not reported
Finish Date: 1985-09-29 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 05
Site ID: 0500140
EPA ID: ILD005070529
Site Name: ELGIN METAL CASKET CO
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1984-10-01 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 05
Site ID: 0500140
EPA ID: ILD005070529
Site Name: ELGIN METAL CASKET CO
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1984-07-01 04:00:00
Qual: L
Current Action Lead: St Perf

CORRACTS:
Region: 05

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOX GROUP II (Continued)

1000255361

Name: FOX GROUP II
Address: 363 BLUFF CITY BLVD
Address 2: Not reported
City,State,Zip: ELGIN, IL 60120
EPA ID: ILD005070529
Area Name: ENTIRE FACILITY
Corrective Action: CA070NO
Actual Date: 2009-05-01 00:00:00.0
NAICS Code 1: Not reported
NAICS Code 2: Not reported
NAICS Code 3: Not reported
NAICS Code 4: Not reported

LUST:

Name: FOX GROUP II
Address: 363 BLUFF CITY BLVD.
City,State,Zip: ELGIN, IL 60120
Incident Num: 991025
IL EPA Id: 894380006
Product: Other Petroleum
IEMA Date: 1999-04-26
Project Manager: Weller
Project Manager Phone: (217) 524-4647
Email: Melinda.Weller@illinois.gov
PRP Name: Fox Group II
PRP Contact: Lorraine L. Kimble
PRP Address: 101 East Main St.
PRP City,St,Zip: Little Falls, NJ 07424
PRP Phone: 9732566644
Site Classification: Not reported
Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: 1999-05-28
45 Report Received: 1999-11-03
NFA/NFR Letter: 2000-02-29
NFR Date Recorded: 2000-03-28
Heating Oil Date: Not reported
Non-Lust LR Date: Not reported

RCRA NonGen / NLR:

Date form received by agency: 2019-12-13 00:00:00.0
Facility name: FOX GROUP II
Facility address: 363 BLUFF CITY BLVD
ELGIN, IL 60120
EPA ID: ILD005070529
Contact: Not reported
Contact address: Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOX GROUP II (Continued)

1000255361

Owner/Operator Summary:

Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998
Owner/operator country: Not reported
Owner/operator telephone: 312-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: FOX GROUP
Owner/operator address: 101 E MAIN ST
LITTLE FALLS, NJ 07424
Owner/operator country: Not reported
Owner/operator telephone: 973-256-6644
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Not reported
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 1999-06-08 00:00:00.0
Site name: FOX GROUP II
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOX GROUP II (Continued)

1000255361

CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F017
. Waste name: Not Defined

Corrective Action Summary:

Event date: 2009-05-01 00:00:00.0
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NOT NECESSARY

Violation Status: No violations found

FINDS:

Registry ID: 110009366328

Click Here:

Environmental Interest/Information System:

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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

ECHO:

Envid: 1000255361
Registry ID: 110009366328
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009366328>
Name: DINAS TIRE RECYCLE
Address: 363 BLUFF CITY BLVD
City,State,Zip: ELGIN, IL 60120

15
ESE
1/2-1
0.766 mi.
4047 ft.
Relative:
Lower
Actual:
710 ft.

DSM DESOTECH INC
1122 ST CHARLES ST
ELGIN, IL 60120

SEMS-ARCHIVE 1000343059
CORRACTS ILD058587759
RCRA-LQG
RAATS
FTTS
HIST FTTS
US AIRS
FINDS
ECHO
WI MANIFEST

SEMS Archive:

Site ID: 0507090
EPA ID: ILD058587759
Name: DSM DESOTECH INC
Address: 1122 ST CHARLES ROAD
Address 2: Not reported
City,State,Zip: ELGIN, IL 60120

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Cong District: 12
FIPS Code: 17089
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region: 05
Site ID: 0507090
EPA ID: ILD058587759
Site Name: DSM DESOTECH INC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1995-12-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 05
Site ID: 0507090
EPA ID: ILD058587759
Site Name: DSM DESOTECH INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1993-02-18 05:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 05
Site ID: 0507090
EPA ID: ILD058587759
Site Name: DSM DESOTECH INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1992-09-03 04:00:00
Finish Date: 1992-09-03 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:

Region: 05
Name: DSM DESOTECH INC
Address: 1122 ST CHARLES ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Address 2: Not reported
City,State,Zip: ELGIN, IL 60120
EPA ID: ILD058587759
Area Name: ENTIRE FACILITY
Corrective Action: CA075LO
Actual Date: 1993-03-31 00:00:00.0
NAICS Code 1: 325211
NAICS Code 2: Not reported
NAICS Code 3: Not reported
NAICS Code 4: Not reported

RCRA-LQG:

Date form received by agency: 2016-03-01 00:00:00.0
Facility name: DSM DESOTECH INC
Facility address: 1122 ST CHARLES ST
ELGIN, IL 60120
EPA ID: ILD058587759
Contact: JACK VARTIAK
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: 847-697-0400
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: DSM FINANCE
Owner/operator address: 1 COLUMBIA NITROGEN RD P O BOX 2451
AUGUSTA, GA 30903
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1993-01-01 00:00:00.
Owner/Op end date: Not reported
Owner/operator name: DSM DESOTECH INC
Owner/operator address: 1122 ST CHARLES ST
ELGIN, IL 60120

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1993-01-01 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Historical Generators:

Date form received by agency: 2013-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 2012-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 2012-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 2010-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 2008-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Date form received by agency: 2006-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 2004-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 2002-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 2000-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 1998-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 1996-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 1994-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 1992-03-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Date form received by agency: 1990-02-23 00:00:00.0
Site name: DESOTO INC
Classification: Large Quantity Generator

Date form received by agency: 1980-10-31 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Not a generator, verified

Date form received by agency: 1980-08-01 00:00:00.0
Site name: DSM DESOTECH INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

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

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

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

- . Waste code: D005
- . Waste name: BARIUM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

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

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

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

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

- . Waste code: D019
- . Waste name: CARBON TETRACHLORIDE

- . Waste code: D022
- . Waste name: CHLOROFORM

- . Waste code: D024
- . Waste name: M-CRESOL

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D038
- . Waste name: PYRIDINE

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

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

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DSM DESOTECH INC (Continued)

1000343059

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: U001
. Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U008
. Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U052
. Waste name: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U162
. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

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

. Waste code: U404
. Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

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DSM DESOTECH INC (Continued)

1000343059

Amount (Lbs): LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
2618

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 148

Waste code: D019
Waste name: CARBON TETRACHLORIDE
Amount (Lbs): 1170

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 1170

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 2342

Waste code: D038
Waste name: PYRIDINE
Amount (Lbs): 1170

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 3234

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 2328

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DSM DESOTECH INC (Continued)

1000343059

Waste code: U188
Waste name: PHENOL
Amount (Lbs): 7

Corrective Action Summary:

Event date: 1993-03-31 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Facility Has Received Notices of Violations:

Regulation violated: SR - II.J.I
Area of violation: Permits - Application
Date violation determined: 2001-11-08 16:17:26.0
Date achieved compliance: 1992-03-19 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-01-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 724.152(d)
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 2001-11-08 16:17:26.0
Date achieved compliance: 1992-04-13 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-01-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - II.F
Area of violation: Permits - Application
Date violation determined: 2001-11-08 16:17:26.0
Date achieved compliance: 1992-04-20 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-01-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 724.152(e)
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 2001-11-08 16:17:26.0
Date achieved compliance: 1992-04-14 00:00:00.0

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DSM DESOTECH INC (Continued)

1000343059

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-01-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - II.I.3
Area of violation: Permits - Application
Date violation determined: 2001-11-08 16:17:26.0
Date achieved compliance: 1992-04-13 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-01-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - II.E
Area of violation: Permits - Application
Date violation determined: 2001-11-08 16:17:26.0
Date achieved compliance: 1992-03-19 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-01-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - I.D.1
Area of violation: Permits - Application
Date violation determined: 2001-11-08 16:17:26.0
Date achieved compliance: 1992-04-20 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-01-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 724.152(f)
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 2001-11-08 16:17:26.0
Date achieved compliance: 1992-04-13 00:00:00.0
Violation lead agency: State

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DSM DESOTECH INC (Continued)

1000343059

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-01-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 725.243
Area of violation: TSD - Financial Requirements
Date violation determined: 2000-09-13 10:23:55.0
Date achieved compliance: 1993-08-24 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-01-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2000-09-13 10:23:55.0
Date achieved compliance: 1989-05-05 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-04-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 2000-09-13 10:23:55.0
Date achieved compliance: 1986-11-23 00:00:00.0
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 1986-05-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 3550
Final penalty amount: 23000
Paid penalty amount: 3550

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 2000-09-13 10:23:55.0
Date achieved compliance: 1986-11-23 00:00:00.0
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE

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DSM DESOTECH INC (Continued)

1000343059

Enforcement action date: 1986-05-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 3550
Final penalty amount: 23000
Paid penalty amount: 3550

Regulation violated: SR - 725.242(b)
Area of violation: TSD - Financial Requirements
Date violation determined: 2000-09-13 10:23:55.0
Date achieved compliance: 1993-08-24 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-01-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 722.141(a)
Area of violation: Generators - General
Date violation determined: 2000-09-13 10:23:55.0
Date achieved compliance: 1998-08-13 00:00:00.0
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 1998-06-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 2000-09-13 10:23:55.0
Date achieved compliance: 1988-03-10 00:00:00.0
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-02-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2016-04-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

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DSM DESOTECH INC (Continued)

1000343059

Evaluation date: 2011-01-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-01-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1998-06-03 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 1998-08-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-12-15 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1992-12-07 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1993-08-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-11-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 1992-04-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-11-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 1992-04-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-11-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 1992-03-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-11-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 1992-04-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-11-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures

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EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Date achieved compliance: 1992-04-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-07-05 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-03-29 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1989-05-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-04-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1987-09-14 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: LDR - General
Date achieved compliance: 1988-03-10 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 1985-10-09 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Permits - Application
Date achieved compliance: 1986-11-23 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 1985-10-09 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 1986-11-23 00:00:00.0
Evaluation lead agency: EPA

RAATS:

Entry No: 1
Facility ID: ILD058587759
Type: Not reported
Docket No: 86 R-38
Region: 05
Issue Date: 10/30/1986
Final Date: 05/30/1986
Status: Consent Agreement/Final Order
Additional: Not reported
Action ID: 1069
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 1 3004
Total No Cited: Not reported
Reg Type: Federal
Prop. Penalty: 23,800.00
Final Penalty: 3,550.00
Total Prop. Penalty: 23,800.00

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Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Comments: Not reported

Entry No: 1
Facility ID: ILD058587759
Type: Not reported
Docket No: 86 R-38
Region: 05
Issue Date: 10/30/1986
Final Date: 05/30/1986
Status: Consent Agreement/Final Order
Additional: Not reported
Action ID: 1069
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 2 3005
Total No Cited: Not reported
Reg Type: Federal
Prop. Penalty: *
Final Penalty: 3,550.00
Total Prop. Penalty: 23,800.00
Comments: Not reported

Entry No: 1
Facility ID: ILD058587759
Type: Not reported
Docket No: 86 R-38
Region: 05
Issue Date: 10/30/1986
Final Date: 05/30/1986
Status: Consent Agreement/Final Order
Additional: Not reported
Action ID: 1069
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 3 264.35
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: 3,550.00
Total Prop. Penalty: 23,800.00
Comments: Not reported

Entry No: 1
Facility ID: ILD058587759
Type: Not reported
Docket No: 86 R-38
Region: 05
Issue Date: 10/30/1986
Final Date: 05/30/1986
Status: Consent Agreement/Final Order
Additional: Not reported
Action ID: 1069
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 4 264.15
Total No Cited: Not reported
Reg Type: CFR

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DSM DESOTECH INC (Continued)

1000343059

Prop. Penalty: *
Final Penalty: 3,550.00
Total Prop. Penalty: 23,800.00
Comments: Not reported

Entry No: 1
Facility ID: ILD058587759
Type: Not reported
Docket No: 86 R-38
Region: 05
Issue Date: 10/30/1986
Final Date: 05/30/1986
Status: Consent Agreement/Final Order
Additional: Not reported
Action ID: 1069
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 5 III A.
Total No Cited: Not reported
Reg Type: Permit
Prop. Penalty: *
Final Penalty: 3,550.00
Total Prop. Penalty: 23,800.00
Comments: Not reported

Entry No: 1
Facility ID: ILD058587759
Type: Not reported
Docket No: 86 R-38
Region: 05
Issue Date: 10/30/1986
Final Date: 05/30/1986
Status: Consent Agreement/Final Order
Additional: Not reported
Action ID: 1069
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 1 3004
Total No Cited: Not reported
Reg Type: Federal
Prop. Penalty: 23,800.00
Final Penalty: 3,550.00
Total Prop. Penalty: 23,800.00
Comments: Not reported

Entry No: 1
Facility ID: ILD058587759
Type: Not reported
Docket No: 86 R-38
Region: 05
Issue Date: 10/30/1986
Final Date: 05/30/1986
Status: Consent Agreement/Final Order
Additional: Not reported
Action ID: 1069
Action: 3008 (A)
Violation No: Not reported

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EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Viol No Cited: 2 3005
Total No Cited: Not reported
Reg Type: Federal
Prop. Penalty: *
Final Penalty: 3,550.00
Total Prop. Penalty: 23,800.00
Comments: Not reported

Entry No: 1
Facility ID: ILD058587759
Type: Not reported
Docket No: 86 R-38
Region: 05
Issue Date: 10/30/1986
Final Date: 05/30/1986
Status: Consent Agreement/Final Order
Additional: Not reported
Action ID: 1069
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 3 264.35
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: 3,550.00
Total Prop. Penalty: 23,800.00
Comments: Not reported

Entry No: 1
Facility ID: ILD058587759
Type: Not reported
Docket No: 86 R-38
Region: 05
Issue Date: 10/30/1986
Final Date: 05/30/1986
Status: Consent Agreement/Final Order
Additional: Not reported
Action ID: 1069
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 4 264.15
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: 3,550.00
Total Prop. Penalty: 23,800.00
Comments: Not reported

Entry No: 1
Facility ID: ILD058587759
Type: Not reported
Docket No: 86 R-38
Region: 05
Issue Date: 10/30/1986
Final Date: 05/30/1986
Status: Consent Agreement/Final Order
Additional: Not reported

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DSM DESOTECH INC (Continued)

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Action ID: 1069
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 5 III A.
Total No Cited: Not reported
Reg Type: Permit
Prop. Penalty: *
Final Penalty: 3,550.00
Total Prop. Penalty: 23,800.00
Comments: Not reported

FTTS:

Case Number: Not reported
Docket Number: TSCA-V-C-029-94
Complaint Issue Date: 06/20/94
Abatement Amount: 0.0000
Proposed Penalty: 17000.0000
Final Assessment: 14450.0000
Final Order Date: 09/20/94
Close Date: / /
Violations(s): Section 8(B) Inventory Update

FTTS INSP:

Inspection Number: 199312285904 4
Region: 05
Inspection Date: 12/28/93
Inspector: CODINA
Violation occurred: No
Investigation Type: Section 5 Inspections
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: Manufacturer

Inspection Number: 199312285904 1
Region: 05
Inspection Date: 12/28/93
Inspector: CODINA
Violation occurred: Yes
Investigation Type: Section 5 (E) of (F) Order
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: Manufacturer

HIST FTTS INSP:

Inspection Number: 199312285904 1
Region: 05
Inspection Date: Not reported
Inspector: CODINA
Violation occurred: Yes
Investigation Type: Section 5 (E) of (F) Order
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: Manufacturer

Inspection Number: 199312285904 4

Map ID
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Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Region: 05
Inspection Date: Not reported
Inspector: CODINA
Violation occurred: No
Investigation Type: Section 5 Inspections
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: Manufacturer

US AIRS (AFS):

Envid: 1000343059
Region Code: 05
County Code: IL089
Programmatic ID: AIR IL000089807AAA
Facility Registry ID: 110000430864
D and B Number: Not reported
Facility Site Name: DSM DESOTECH INC
Primary SIC Code: 2851
NAICS Code: 325510
Default Air Classification Code: SMI
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS (AFS):

Region Code: 05
Programmatic ID: AIR IL000089807AAA
Facility Registry ID: 110000430864
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089807AAA
Facility Registry ID: 110000430864
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-01-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089807AAA
Facility Registry ID: 110000430864
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-11-11 00:00:00

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089807AAA
Facility Registry ID: 110000430864
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089807AAA
Facility Registry ID: 110000430864
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-11-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089807AAA
Facility Registry ID: 110000430864
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089807AAA
Facility Registry ID: 110000430864
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089807AAA
Facility Registry ID: 110000430864
Air Operating Status Code: OPR

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-01-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR IL000089807AAA
Facility Registry ID: 110000430864
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:

Registry ID: 110000430864

[Click Here:](#)

Environmental Interest/Information System:

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

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

TSCA SUBMITTER

AIR SYNTHETIC MINOR

AIR EMISSIONS CLASSIFICATION UNKNOWN

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain

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DSM DESOTECH INC (Continued)

1000343059

limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality. RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA. HAZARDOUS WASTE BIENNIAL REPORTER STATE MASTER ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's 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. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring. US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

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

ECHO:

Envid: 1000343059
Registry ID: 110000430864
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000430864>
Name: DSM DESOTECH INC
Address: 1122 ST. CHARLES STREET
City,State,Zip: ELGIN, IL 60120

WI MANIFEST:

Name: DSM DESOTECH INC
Address: 1122 ST CHARLES ST
City,State,Zip: ELGIN, IL 60120
Year: 2018
EPA ID: ILD058587759
FID: 999138690
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: PLANT SUPV
Contact Name: FRITZ EPPERLY
Contact Address: 1122 ST CHARLES ST
Contact City/State/Zip: ELGIN, IL 60120
Contact Telephone: 7086970400

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Contact EMail Address: Not reported

Shipped:

Year: 2018
Manifest Doc Id: 018980587JJK
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 06/15/2018
GEN Copy Revd Date: Not reported
TSD Date: 06/18/2018
TSD EPA ID: WID988580056
TSD Copy Revd Date: 07/12/2018

Name: DSM DESOTECH INC
Address: 1122 ST CHARLES ST
City,State,Zip: ELGIN, IL 60120
Year: 2017
EPA ID: ILD058587759
FID: 999138690
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: PLANT SUPV
Contact Name: FRITZ EPPERLY
Contact Address: 1122 ST CHARLES ST
Contact City/State/Zip: ELGIN, IL 60120
Contact Telephone: 7086970400
Contact EMail Address: Not reported

Shipped:

Year: 2017
Manifest Doc Id: 003292727GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 02/06/2017
GEN Copy Revd Date: Not reported
TSD Date: 02/09/2017
TSD EPA ID: WID988580056
TSD Copy Revd Date: 03/14/2017

Year: 2017
Manifest Doc Id: 003293103GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 05/03/2017
GEN Copy Revd Date: Not reported
TSD Date: 05/04/2017
TSD EPA ID: WID988580056
TSD Copy Revd Date: 06/14/2017

Name: DSM DESOTECH INC
Address: 1122 ST CHARLES ST
City,State,Zip: ELGIN, IL 60120

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Year: 2016
EPA ID: ILD058587759
FID: 999138690
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: PLANT SUPV
Contact Name: FRITZ EPPERLY
Contact Address: 1122 ST CHARLES ST
Contact City/State/Zip: ELGIN, IL 60120
Contact Telephone: 7086970400
Contact EMail Address: Not reported

Shipped:

Year: 2016
Manifest Doc Id: 002955511GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 03/08/2016
GEN Copy Revd Date: Not reported
TSD Date: 03/10/2016
TSD EPA ID: WID988580056
TSD Copy Revd Date: 04/25/2016

Year: 2016
Manifest Doc Id: 002955641GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 06/01/2016
GEN Copy Revd Date: Not reported
TSD Date: 06/08/2016
TSD EPA ID: WID988580056
TSD Copy Revd Date: 07/14/2016

Year: 2016
Manifest Doc Id: 002956571GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 11/16/2016
GEN Copy Revd Date: Not reported
TSD Date: 11/17/2016
TSD EPA ID: WID988580056
TSD Copy Revd Date: 12/19/2016

Year: 2016
Manifest Doc Id: 003129927GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 08/24/2016
GEN Copy Revd Date: Not reported
TSD Date: 08/25/2016
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/13/2016

Name: DSM DESOTECH INC

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Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Address: 1122 ST CHARLES ST
City,State,Zip: ELGIN, IL 60120
Year: 2015
EPA ID: ILD058587759
FID: 999138690
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: PLANT SUPV
Contact Name: FRITZ EPPERLY
Contact Address: 1122 ST CHARLES ST
Contact City/State/Zip: ELGIN, IL 60120
Contact Telephone: 7086970400
Contact EMail Address: Not reported

Shipped:

Year: 2015
Manifest Doc Id: 002817765GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 12/15/2015
GEN Copy Revd Date: Not reported
TSD Date: 12/16/2015
TSD EPA ID: WID988580056
TSD Copy Revd Date: 01/15/2016

Year: 2015
Manifest Doc Id: 002817913GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 07/07/2015
GEN Copy Revd Date: Not reported
TSD Date: 07/07/2015
TSD EPA ID: WID988580056
TSD Copy Revd Date: 08/14/2015

Year: 2015
Manifest Doc Id: 002653071GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 04/14/2015
GEN Copy Revd Date: Not reported
TSD Date: 04/14/2015
TSD EPA ID: WID988580056
TSD Copy Revd Date: 05/13/2015

Year: 2015
Manifest Doc Id: 002415593GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 01/20/2015
GEN Copy Revd Date: Not reported
TSD Date: 01/20/2015
TSD EPA ID: WID988580056
TSD Copy Revd Date: 02/12/2015

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Year: 2015
Manifest Doc Id: 002302244GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 09/22/2015
GEN Copy Revd Date: Not reported
TSD Date: 09/22/2015
TSD EPA ID: WID988580056
TSD Copy Revd Date: 10/15/2015

Name: DSM DESOTECH INC
Address: 1122 ST CHARLES ST
City,State,Zip: ELGIN, IL 60120
Year: 2014
EPA ID: ILD058587759
FID: 999138690
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: PLANT SUPV
Contact Name: FRITZ EPPERLY
Contact Address: 1122 ST CHARLES ST
Contact City/State/Zip: ELGIN, IL 60120
Contact Telephone: 7086970400
Contact EMail Address: Not reported

Shipped:
Year: 2014
Manifest Doc Id: 002301365GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 04/08/2014
GEN Copy Revd Date: Not reported
TSD Date: 04/10/2014
TSD EPA ID: WID988580056
TSD Copy Revd Date: 05/08/2014

Year: 2014
Manifest Doc Id: 001983858GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 01/29/2014
GEN Copy Revd Date: Not reported
TSD Date: 01/30/2014
TSD EPA ID: WID988580056
TSD Copy Revd Date: 02/11/2014

Year: 2014
Manifest Doc Id: 002415094GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 08/26/2014
GEN Copy Revd Date: Not reported
TSD Date: 08/27/2014
TSD EPA ID: WID988580056

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Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

TSD Copy Revd Date: 09/09/2014
Year: 2014
Manifest Doc Id: 002415414GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 11/04/2014
GEN Copy Revd Date: Not reported
TSD Date: 11/05/2014
TSD EPA ID: WID988580056
TSD Copy Revd Date: 12/12/2014

Year: 2014
Manifest Doc Id: 002301938GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 06/17/2014
GEN Copy Revd Date: Not reported
TSD Date: 06/17/2014
TSD EPA ID: WID988580056
TSD Copy Revd Date: 07/03/2014

Name: DSM DESOTECH INC
Address: 1122 ST CHARLES ST
City,State,Zip: ELGIN, IL 60120
Year: 2013
EPA ID: ILD058587759
FID: 999138690
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: PLANT SUPV
Contact Name: FRITZ EPPERLY
Contact Address: 1122 ST CHARLES ST
Contact City/State/Zip: ELGIN, IL 60120
Contact Telephone: 7086970400
Contact EMail Address: Not reported

Shipped:
Year: 2013
Manifest Doc Id: 001884388GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 01/22/2013
GEN Copy Revd Date: Not reported
TSD Date: 01/23/2013
TSD EPA ID: WID988580056
TSD Copy Revd Date: 02/15/2013

Year: 2013
Manifest Doc Id: 001884472GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 04/09/2013
GEN Copy Revd Date: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

TSD Date: 04/10/2013
TSD EPA ID: WID988580056
TSD Copy Revd Date: 05/14/2013

Year: 2013
Manifest Doc Id: 001884498GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 06/18/2013
GEN Copy Revd Date: Not reported
TSD Date: 06/18/2013
TSD EPA ID: WID988580056
TSD Copy Revd Date: 07/09/2013

Year: 2013
Manifest Doc Id: 001884521GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 08/27/2013
GEN Copy Revd Date: Not reported
TSD Date: 08/27/2013
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/11/2013

Year: 2013
Manifest Doc Id: 001884594GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 11/06/2013
GEN Copy Revd Date: Not reported
TSD Date: 11/06/2013
TSD EPA ID: WID988580056
TSD Copy Revd Date: 12/11/2013

Name: DSM DESOTECH INC
Address: 1122 ST CHARLES ST
City,State,Zip: ELGIN, IL 60120
Year: 2012
EPA ID: ILD058587759
FID: 999138690
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: PLANT SUPV
Contact Name: FRITZ EPPERLY
Contact Address: 1122 ST CHARLES ST
Contact City/State/Zip: ELGIN, IL 60120
Contact Telephone: 7086970400
Contact EMail Address: Not reported

Shipped:
Year: 2012
Manifest Doc Id: 001884328GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759

Map ID
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EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Gen Date: 11/27/2012
GEN Copy Revd Date: Not reported
TSD Date: 11/28/2012
TSD EPA ID: WID988580056
TSD Copy Revd Date: 12/12/2012

Year: 2012
Manifest Doc Id: 001549675GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 05/01/2012
GEN Copy Revd Date: Not reported
TSD Date: 05/02/2012
TSD EPA ID: WID988580056
TSD Copy Revd Date: 06/12/2012

Year: 2012
Manifest Doc Id: 001549778GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 09/18/2012
GEN Copy Revd Date: Not reported
TSD Date: 09/18/2012
TSD EPA ID: WID988580056
TSD Copy Revd Date: 10/09/2012

Year: 2012
Manifest Doc Id: 001686780GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 07/10/2012
GEN Copy Revd Date: Not reported
TSD Date: 07/11/2012
TSD EPA ID: WID988580056
TSD Copy Revd Date: 08/14/2012

Year: 2012
Manifest Doc Id: 001687243GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 02/21/2012
GEN Copy Revd Date: Not reported
TSD Date: 02/22/2012
TSD EPA ID: WID988580056
TSD Copy Revd Date: 03/13/2012

Name: DSM DESOTECH INC
Address: 1122 ST CHARLES ST
City,State,Zip: ELGIN, IL 60120
Year: 2011
EPA ID: ILD058587759
FID: 999138690
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large

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Elevation

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Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Contact Title: PLANT SUPV
Contact Name: FRITZ EPPERLY
Contact Address: 1122 ST CHARLES ST
Contact City/State/Zip: ELGIN, IL 60120
Contact Telephone: 7086970400
Contact EMail Address: Not reported

Shipped:

Year: 2011
Manifest Doc Id: 001381422GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 07/28/2011
GEN Copy Revd Date: Not reported
TSD Date: 08/02/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/12/2011

Year: 2011
Manifest Doc Id: 001381424GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 02/10/2011
GEN Copy Revd Date: Not reported
TSD Date: 02/11/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 04/12/2011

Year: 2011
Manifest Doc Id: 001380556GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 02/10/2011
GEN Copy Revd Date: Not reported
TSD Date: 02/11/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 04/12/2011

Year: 2011
Manifest Doc Id: 001144084GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 06/02/2011
GEN Copy Revd Date: Not reported
TSD Date: 06/02/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 07/12/2011

Year: 2011
Manifest Doc Id: 001549346GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 07/28/2011
GEN Copy Revd Date: Not reported
TSD Date: 08/02/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/12/2011

Map ID
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Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Year: 2011
Manifest Doc Id: 001549347GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 07/28/2011
GEN Copy Revd Date: Not reported
TSD Date: 08/02/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/12/2011

Year: 2011
Manifest Doc Id: 001549348GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 07/28/2011
GEN Copy Revd Date: Not reported
TSD Date: 08/02/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/12/2011

Year: 2011
Manifest Doc Id: 001549353GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 11/08/2011
GEN Copy Revd Date: Not reported
TSD Date: 11/09/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 12/13/2011

Year: 2011
Manifest Doc Id: 001549354GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 11/08/2011
GEN Copy Revd Date: Not reported
TSD Date: 11/09/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 12/13/2011

Year: 2011
Manifest Doc Id: 001549355GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 08/29/2011
GEN Copy Revd Date: Not reported
TSD Date: 08/30/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/12/2011

Year: 2011
Manifest Doc Id: 001549356GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 08/29/2011
GEN Copy Revd Date: Not reported
TSD Date: 08/30/2011

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/12/2011

Year: 2011
Manifest Doc Id: 001549357GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 08/29/2011
GEN Copy Revd Date: Not reported
TSD Date: 08/30/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/12/2011

Year: 2011
Manifest Doc Id: 001549358GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 08/29/2011
GEN Copy Revd Date: Not reported
TSD Date: 08/30/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/12/2011

Year: 2011
Manifest Doc Id: 001549359GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 08/29/2011
GEN Copy Revd Date: Not reported
TSD Date: 08/30/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/12/2011

Year: 2011
Manifest Doc Id: 001549510GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 11/08/2011
GEN Copy Revd Date: Not reported
TSD Date: 11/09/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 12/13/2011

Year: 2011
Manifest Doc Id: 001548637GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 06/02/2011
GEN Copy Revd Date: Not reported
TSD Date: 06/02/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 07/12/2011

Year: 2011
Manifest Doc Id: 001548853GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Gen Date: 07/28/2011
GEN Copy Revd Date: Not reported
TSD Date: 08/02/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/12/2011

Year: 2011
Manifest Doc Id: 001548854GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 07/28/2011
GEN Copy Revd Date: Not reported
TSD Date: 08/02/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/12/2011

Year: 2011
Manifest Doc Id: 001380240GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 04/05/2011
GEN Copy Revd Date: Not reported
TSD Date: 04/06/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 06/09/2011

Year: 2011
Manifest Doc Id: 001549561GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 12/21/2011
GEN Copy Revd Date: Not reported
TSD Date: 12/22/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 01/12/2012

Year: 2011
Manifest Doc Id: 001549563GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 12/21/2011
GEN Copy Revd Date: Not reported
TSD Date: 12/22/2011
TSD EPA ID: WID988580056
TSD Copy Revd Date: 01/12/2012

Name: DSM DESOTECH INC
Address: 1122 ST CHARLES ST
City,State,Zip: ELGIN, IL 60120
Year: 2010
EPA ID: ILD058587759
FID: 999138690
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Contact Title: PLANT SUPV
Contact Name: FRITZ EPPERLY
Contact Address: 1122 ST CHARLES ST
Contact City/State/Zip: ELGIN, IL 60120
Contact Telephone: 7086970400
Contact EMail Address: Not reported

Shipped:

Year: 2010
Manifest Doc Id: 005613477JJK
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 02/18/2010
GEN Copy Revd Date: Not reported
TSD Date: 02/18/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 03/17/2010

Year: 2010
Manifest Doc Id: 001144083GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 05/25/2010
GEN Copy Revd Date: Not reported
TSD Date: 05/27/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 06/28/2010

Year: 2010
Manifest Doc Id: 001144085GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 11/16/2010
GEN Copy Revd Date: Not reported
TSD Date: 11/18/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 12/28/2010

Year: 2010
Manifest Doc Id: 001144086GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 05/25/2010
GEN Copy Revd Date: Not reported
TSD Date: 05/27/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 06/28/2010

Year: 2010
Manifest Doc Id: 001144087GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 05/25/2010
GEN Copy Revd Date: Not reported
TSD Date: 05/27/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 06/28/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Year: 2010
Manifest Doc Id: 001068447GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 02/18/2010
GEN Copy Revd Date: Not reported
TSD Date: 02/18/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 03/17/2010

Year: 2010
Manifest Doc Id: 001144380GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 07/27/2010
GEN Copy Revd Date: Not reported
TSD Date: 07/28/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/01/2010

Year: 2010
Manifest Doc Id: 001144381GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 07/27/2010
GEN Copy Revd Date: Not reported
TSD Date: 07/28/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/01/2010

Year: 2010
Manifest Doc Id: 001143894GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 11/16/2010
GEN Copy Revd Date: Not reported
TSD Date: 11/18/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 12/28/2010

Year: 2010
Manifest Doc Id: 001069110GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 02/18/2010
GEN Copy Revd Date: Not reported
TSD Date: 02/18/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 03/17/2010

Year: 2010
Manifest Doc Id: 001143590GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 09/21/2010
GEN Copy Revd Date: Not reported
TSD Date: 09/22/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

TSD EPA ID: WID988580056
TSD Copy Revd Date: 12/03/2010

Year: 2010
Manifest Doc Id: 001381409GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 12/16/2010
GEN Copy Revd Date: Not reported
TSD Date: 12/17/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 01/24/2011

Year: 2010
Manifest Doc Id: 001381419GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 12/16/2010
GEN Copy Revd Date: Not reported
TSD Date: 12/17/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 01/24/2011

Year: 2010
Manifest Doc Id: 001381420GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 12/16/2010
GEN Copy Revd Date: Not reported
TSD Date: 12/17/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 01/24/2011

Year: 2010
Manifest Doc Id: 001144946GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 03/25/2010
GEN Copy Revd Date: Not reported
TSD Date: 03/25/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 06/02/2010

Name: DSM DESOTECH INC
Address: 1122 ST CHARLES ST
City,State,Zip: ELGIN, IL 60120
Year: 2009
EPA ID: ILD058587759
FID: 999138690
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: PLANT SUPV
Contact Name: FRITZ EPPERLY
Contact Address: 1122 ST CHARLES ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Contact City/State/Zip: ELGIN, IL 60120
Contact Telephone: 7086970400
Contact EMail Address: Not reported

Shipped:

Year: 2009
Manifest Doc Id: 001068798GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 10/27/2009
GEN Copy Revd Date: Not reported
TSD Date: 10/28/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 11/23/2009

Year: 2009
Manifest Doc Id: 003397485JJK
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 02/24/2009
GEN Copy Revd Date: Not reported
TSD Date: 02/25/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 03/24/2009

Year: 2009
Manifest Doc Id: 004359031JJK
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 02/24/2009
GEN Copy Revd Date: Not reported
TSD Date: 02/25/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 03/24/2009

Year: 2009
Manifest Doc Id: 006091411JJK
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 06/18/2009
GEN Copy Revd Date: Not reported
TSD Date: 06/21/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 08/04/2009

Year: 2009
Manifest Doc Id: 005613479JJK
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 04/21/2009
GEN Copy Revd Date: Not reported
TSD Date: 04/22/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 06/04/2009

Year: 2009
Manifest Doc Id: 005613475JJK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 04/21/2009
GEN Copy Revd Date: Not reported
TSD Date: 04/22/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 06/04/2009

Year: 2009
Manifest Doc Id: 005613476JJK
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 08/18/2009
GEN Copy Revd Date: Not reported
TSD Date: 08/19/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 09/23/2009

Year: 2009
Manifest Doc Id: 005613480JJK
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 10/27/2009
GEN Copy Revd Date: Not reported
TSD Date: 10/28/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 11/23/2009

Year: 2009
Manifest Doc Id: 005613025JJK
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 02/24/2009
GEN Copy Revd Date: Not reported
TSD Date: 02/25/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 03/24/2009

Year: 2009
Manifest Doc Id: 001069109GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 12/22/2009
GEN Copy Revd Date: Not reported
TSD Date: 12/23/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 01/27/2010

Year: 2009
Manifest Doc Id: 001069111GBF
Copy Type: TSDCOPY
Gen EPA ID: ILD058587759
Gen Date: 12/22/2009
GEN Copy Revd Date: Not reported
TSD Date: 12/23/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 01/27/2010

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

[Click this hyperlink](#) while viewing on your computer to access
 5 additional WI MANIFEST: record(s) in the EDR Site Report.

16
NNE
1/2-1
0.918 mi.
4849 ft.

ELGIN AMERICAN GAS COMPANY
32 NATIONAL STREET
ELGIN, IL 60120

EDR MGP 1008407370
N/A

Relative:
Higher

Manufactured Gas Plants:

No additional information available

Actual:
758 ft.

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ELGIN	S108048227	BROWNSTONE DEVELOPMENT, LLC	NE CORNER OF SOUTH LIBERTY & V	60120	IL LUST
ELGIN	S125715328	ACE COFFEE BAR	601 EAST LAKE STREET	60120	IL LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

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

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/23/2020	Source: EPA
Date Data Arrived at EDR: 03/25/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 312-886-6186
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 312-886-6186
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 312-886-6186
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 312-886-6186
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/15/2020	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2020	Telephone: 843-820-7326
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 05/14/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 03/22/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SSU: State Sites Unit Listing

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

Date of Government Version: 03/17/2020
Date Data Arrived at EDR: 03/18/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 72

Source: Illinois Environmental Protection Agency
Telephone: 217-524-4826
Last EDR Contact: 04/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

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

CCDD: Clean Construction or Demolition Debris

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

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

Source: Illinois EPA
Telephone: 217-524-3300
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

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

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 45

Source: Illinois Environmental Protection Agency
Telephone: 217-785-8604
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Annually

LF WMRC: Waste Management & Research Center Landfill Database

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF SPECIAL WASTE: Special Waste Site List

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

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

IL NIPC: Solid Waste Landfill Inventory

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

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

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

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

Date of Government Version: 04/20/2020	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2020	Telephone: 217-524-3300
Date Made Active in Reports: 06/30/2020	Last EDR Contact: 04/21/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Semi-Annually

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-8677
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2019	Source: EPA, Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-7439
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3372
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6271
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019	Source: EPA Region 1
Date Data Arrived at EDR: 12/04/2019	Telephone: 617-918-1313
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/17/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-6597
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

LUST TRUST: Underground Storage Tank Fund Payment Priority List

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

Date of Government Version: 06/06/2016	Source: Illinois EPA
Date Data Arrived at EDR: 07/27/2016	Telephone: 217-782-6762
Date Made Active in Reports: 10/18/2016	Last EDR Contact: 04/23/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 02/01/2020	Source: FEMA
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-646-5797
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 07/06/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

UST: Underground Storage Tank Facility List

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

Date of Government Version: 04/20/2020	Source: Illinois State Fire Marshal
Date Data Arrived at EDR: 04/21/2020	Telephone: 217-785-0969
Date Made Active in Reports: 06/30/2020	Last EDR Contact: 04/21/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks

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

Date of Government Version: 01/07/2020	Source: State Fire Marshal
Date Data Arrived at EDR: 03/05/2020	Telephone: 217-785-1011
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/07/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-7591
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2019	Source: EPA Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-6136
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/04/2019	Source: EPA Region 9
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3368
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2019	Source: EPA, Region 1
Date Data Arrived at EDR: 12/04/2019	Telephone: 617-918-1313
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-9424
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6137
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/11/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/04/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Sites with Engineering Controls

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

Date of Government Version: 03/30/2020	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2020	Telephone: 217-782-6761
Date Made Active in Reports: 06/17/2020	Last EDR Contact: 06/29/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Inst Control: Institutional Controls

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

Date of Government Version: 03/30/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Illinois Environmental Protection Agency
Telephone: 217-782-6761
Last EDR Contact: 06/29/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

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

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

SRP: Site Remediation Program Database

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

Date of Government Version: 03/30/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Illinois Environmental Protection Agency
Telephone: 217-785-9407
Last EDR Contact: 06/29/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

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

State and tribal Brownfields sites

BROWNFIELDS: Municipal Brownfields Redevelopment Grant Program Project Descriptions

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

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

Source: Illinois Environmental Protection Agency
Telephone: 217-785-3486
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

BROWNFIELDS: Redevelopment Assessment Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/07/2020
Number of Days to Update: 77

Source: Illinois Environmental Protection Agency
Telephone: 217-524-1658
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/01/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

CDL: Meth Drug Lab Site Listing

A listing of clandestine/meth drug lab locations.

Date of Government Version: 06/20/2019
Date Data Arrived at EDR: 10/08/2019
Date Made Active in Reports: 12/05/2019
Number of Days to Update: 58

Source: Department of Public Health
Telephone: 217-782-5750
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

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

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

CHICAGO TANKS: CDPH Storage Tanks Listing

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

Date of Government Version: 03/04/2020
Date Data Arrived at EDR: 03/17/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 73

Source: Department of Public Health
Telephone: 312-747-2374
Last EDR Contact: 06/16/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Quarterly

Local Land Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 04/27/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 02/27/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/24/2020	Telephone: 202-366-4555
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/23/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

SPILLS: State spills

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

Date of Government Version: 02/28/2020	Source: Illinois EPA
Date Data Arrived at EDR: 04/15/2020	Telephone: 217-782-3637
Date Made Active in Reports: 04/22/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Semi-Annually

IEMA SPILLS: Illinois Emergency Management Agency Spills

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

Date of Government Version: 01/27/2020	Source: Illinois Emergency Management Agency
Date Data Arrived at EDR: 01/28/2020	Telephone: 217-524-0770
Date Made Active in Reports: 04/14/2020	Last EDR Contact: 04/28/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/10/2020
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

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

Other Ascertainable Records

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/28/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

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

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 05/04/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/08/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 06/17/2020
Number of Days to Update: 198	Next Scheduled EDR Contact: 09/28/2020
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: 202-566-0250
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/21/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 05/01/2019	Source: EPA
Date Data Arrived at EDR: 10/23/2019	Telephone: 202-564-4203
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 04/21/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

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

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 703-416-0223
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 11/05/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/20/2019	Telephone: 202-564-8600
Date Made Active in Reports: 04/17/2020	Last EDR Contact: 04/15/2020
Number of Days to Update: 149	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 07/13/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 10/25/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/25/2019	Telephone: 301-415-7169
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 04/10/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 06/05/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 06/01/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/08/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 06/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 01/28/2020	Telephone: 202-366-4595
Date Made Active in Reports: 04/17/2020	Last EDR Contact: 04/28/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/10/2020
	Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/17/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

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

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

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

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 03/31/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 50

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

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

Date of Government Version: 02/11/2020
Date Data Arrived at EDR: 02/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 86

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/22/2020
Number of Days to Update: 84

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 05/21/2020
Number of Days to Update: 97	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 03/05/2020	Source: Department of Interior
Date Data Arrived at EDR: 03/06/2020	Telephone: 202-208-2609
Date Made Active in Reports: 05/29/2020	Last EDR Contact: 06/19/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2020	Source: EPA
Date Data Arrived at EDR: 03/03/2020	Telephone: (312) 353-2000
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 07/09/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 04/04/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/07/2020	Telephone: 202-564-2280
Date Made Active in Reports: 06/26/2020	Last EDR Contact: 07/02/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/19/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

AIRS: Air Inventory Listing

A listing of air permits and emissions information.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 04/03/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 76

Source: Illinois EPA
Telephone: 217-557-0314
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

ASBESTOS: ASBESTOS

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

Date of Government Version: 03/04/2020
Date Data Arrived at EDR: 03/26/2020
Date Made Active in Reports: 06/12/2020
Number of Days to Update: 78

Source: Illinois EPA
Telephone: 217-558-5101
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

BOL: Bureau of Land Inventory Database

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

Date of Government Version: 02/26/2020
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/05/2020
Number of Days to Update: 67

Source: Illinois Environmental Protection Agency
Telephone: 217-785-9407
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

CHICAGO ENV: Environmental Records Dataset

This dataset serves as a lookup table to determine if environmental records exist in a Chicago Department of Public Health (CDPH) environmental dataset for a given address. COMPLAINTS: A "Y" indicates that one or more records exist in the CDPH Environmental Complaints dataset. NESHAPS and DEMOLITON NOTICES: A "Y" indicates that one or more records exist in the CDPH Asbestos and Demolition Notification dataset. ENFORCEMENT: A "Y" indicates that one or more records exist in the CDPH Environmental Enforcement dataset. INSPECTIONS: A "Y" indicates that one or more records exist in the CDPH Environmental Inspections dataset. PERMITS: A "Y" indicates that one or more records exist in the CDPH Environmental Permits dataset. TANKS: A "Y" indicates that one or more records exist in the CDPH Storage Tanks dataset.

Date of Government Version: 03/04/2020
Date Data Arrived at EDR: 03/17/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 73

Source: Chicago Department of Public Health
Telephone: 312-745-3136
Last EDR Contact: 06/16/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH: Coal Ash Site Listing

A listing of coal ash site locations.

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 03/09/2012
Date Made Active in Reports: 04/10/2012
Number of Days to Update: 32

Source: Illinois EPA
Telephone: 217-782-1654
Last EDR Contact: 05/26/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Annually

DRYCLEANERS: Illinois Licensed Drycleaners

Any retail drycleaning facility in Illinois must apply for a license through the Illinois Drycleaner Environmental Response Trust Fund. Drycleaner Environmental Response Trust Fund of Illinois.

Date of Government Version: 11/17/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 51

Source: Drycleaner Environmental Response Trust Fund of Illinois
Telephone: 800-765-4041
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing

Information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 03/12/2018
Number of Days to Update: 18

Source: Illinois Environmental Protection Agency
Telephone: 217-782-9887
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: No Update Planned

HWAR: Hazard Waste Annual Report

Each year, Illinois hazardous-waste generators tell the Illinois EPA the amounts and kinds of hazardous waste they produced during the previous year. Generators indicate by code the types of wastes produced and the steps they took to manage these wastes. If some or all of these wastes were sent to commercial treatment, storage, and disposal facilities (TSDFs), that information and the identity of each receiving facility also are submitted. Illinois TSDFs likewise report the types and quantities of wastes received from in-state and out-of-state generators; they also report the procedures they used to manage these wastes.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 04/04/2019
Number of Days to Update: 55

Source: Illinois EPA
Telephone: 217-524-3300
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Annually

IMPDMNT: Surface Impoundment Inventory

Statewide inventory of industrial, municipal, mining, oil & gas, and large agricultural impoundment. This study was conducted by the Illinois EPA to assess potential for contamination of shallow aquifers. This was a one-time study. Although many of the impoundments may no longer be present, the sites may be contaminated.

Date of Government Version: 12/31/1980
Date Data Arrived at EDR: 03/08/2002
Date Made Active in Reports: 06/03/2002
Number of Days to Update: 87

Source: Illinois Waste Management & Research Center
Telephone: 217-333-8940
Last EDR Contact: 02/20/2002
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NPDES: A Listing of Active Permits

A listing of facilities currently active in the state. The types of permits are public, private, federal and state.

Date of Government Version: 04/16/2014
Date Data Arrived at EDR: 04/18/2014
Date Made Active in Reports: 05/20/2014
Number of Days to Update: 32

Source: Illinois EPA
Telephone: 217-782-0610
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PIMW: Potentially Infectious Medical Waste

Potentially Infectious Medical Waste (PIMW) is waste generated in connection with the diagnosis, treatment (i.e., provision of medical services), or immunization of human beings or animals; research pertaining to the provision of medical services; or the provision or testing of biologicals.

Date of Government Version: 03/17/2020	Source: Illinois EPA
Date Data Arrived at EDR: 03/18/2020	Telephone: 217-524-3289
Date Made Active in Reports: 05/29/2020	Last EDR Contact: 06/15/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 09/28/2020
	Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2018	Source: Illinois Emergency Management Agency
Date Data Arrived at EDR: 05/14/2019	Telephone: 217-785-9860
Date Made Active in Reports: 05/24/2019	Last EDR Contact: 05/13/2020
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Annually

UIC: Underground Injection Wells

Injection wells are used for disposal of fluids by "injection" into the subsurface. The construction of injection wells range from very technical designs with twenty-four hour monitoring to simply a hole dug in the ground to control runoff. As a result of this diversity, the UIC Program divides injection wells into five different classes.

Date of Government Version: 06/25/2018	Source: Illinois EPA
Date Data Arrived at EDR: 09/04/2018	Telephone: 217-782-9878
Date Made Active in Reports: 09/11/2018	Last EDR Contact: 05/07/2020
Number of Days to Update: 7	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 02/05/2015	Telephone: 202-564-2497
Date Made Active in Reports: 03/06/2015	Last EDR Contact: 07/01/2020
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014	Source: EPA
Date Data Arrived at EDR: 01/06/2015	Telephone: 202-564-2496
Date Made Active in Reports: 05/06/2015	Last EDR Contact: 07/09/2020
Number of Days to Update: 120	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011	Source: EPA, Office of Water
Date Data Arrived at EDR: 08/05/2011	Telephone: 202-564-2496
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 06/08/2020
Number of Days to Update: 55	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Illinois.

Date of Government Version: N/A	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Illinois Environmental Protection Agency in Illinois.

Date of Government Version: N/A	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/10/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 193	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Illinois Environmental Protection Agency in Illinois.

Date of Government Version: N/A	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/30/2020	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 01/30/2020	Telephone: 860-424-3375
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 05/12/2020
Number of Days to Update: 39	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 07/09/2020
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/04/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Homes & Centers Listing

Source: Department of Children & Family Services

Telephone: 312-814-4150

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Illinois State Geological Survey

Telephone: 217-333-4747

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ELIGN MHC
700 S STATE ST
ELGIN, IL 60123

TARGET PROPERTY COORDINATES

Latitude (North):	42.016017 - 42° 0' 57.66"
Longitude (West):	88.287434 - 88° 17' 14.76"
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	393400.6
UTM Y (Meters):	4652142.5
Elevation:	739 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5675554 ELGIN, IL
Version Date:	2012
South Map:	5681654 GENEVA, IL
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

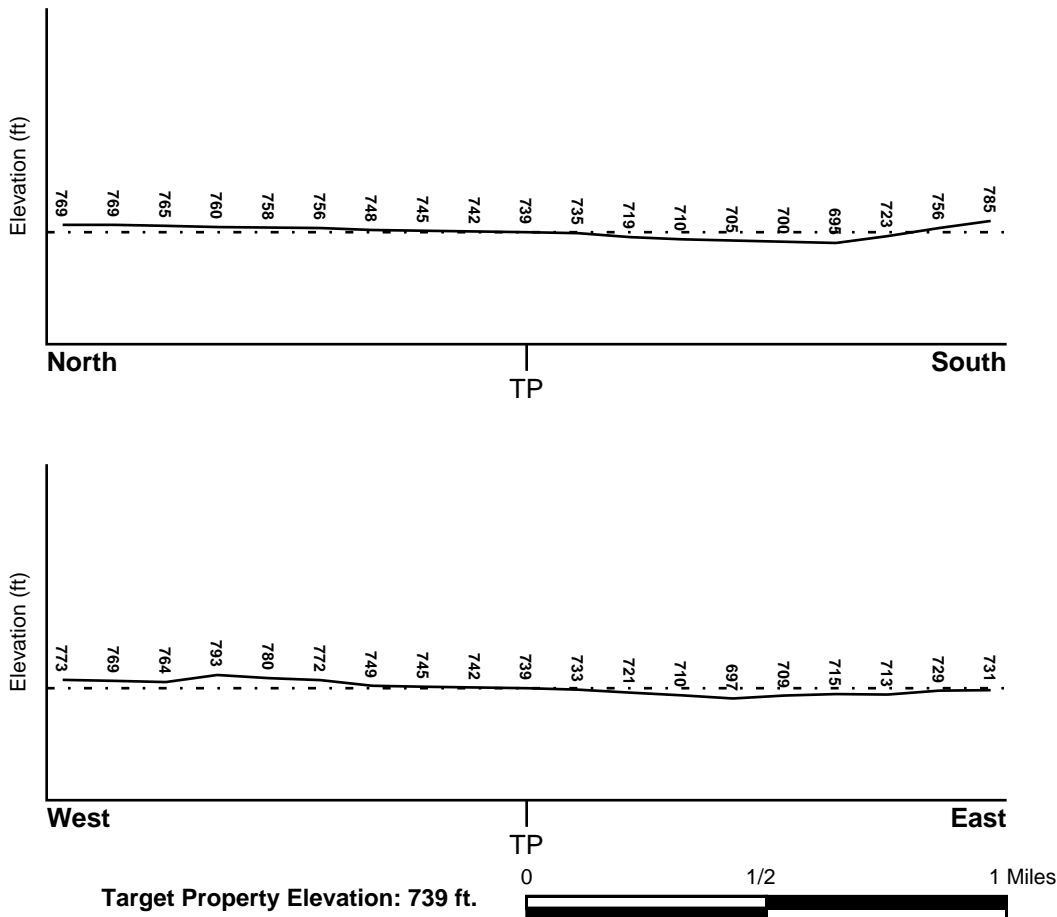
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
17089C0168H	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
17089C0169H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ELGIN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

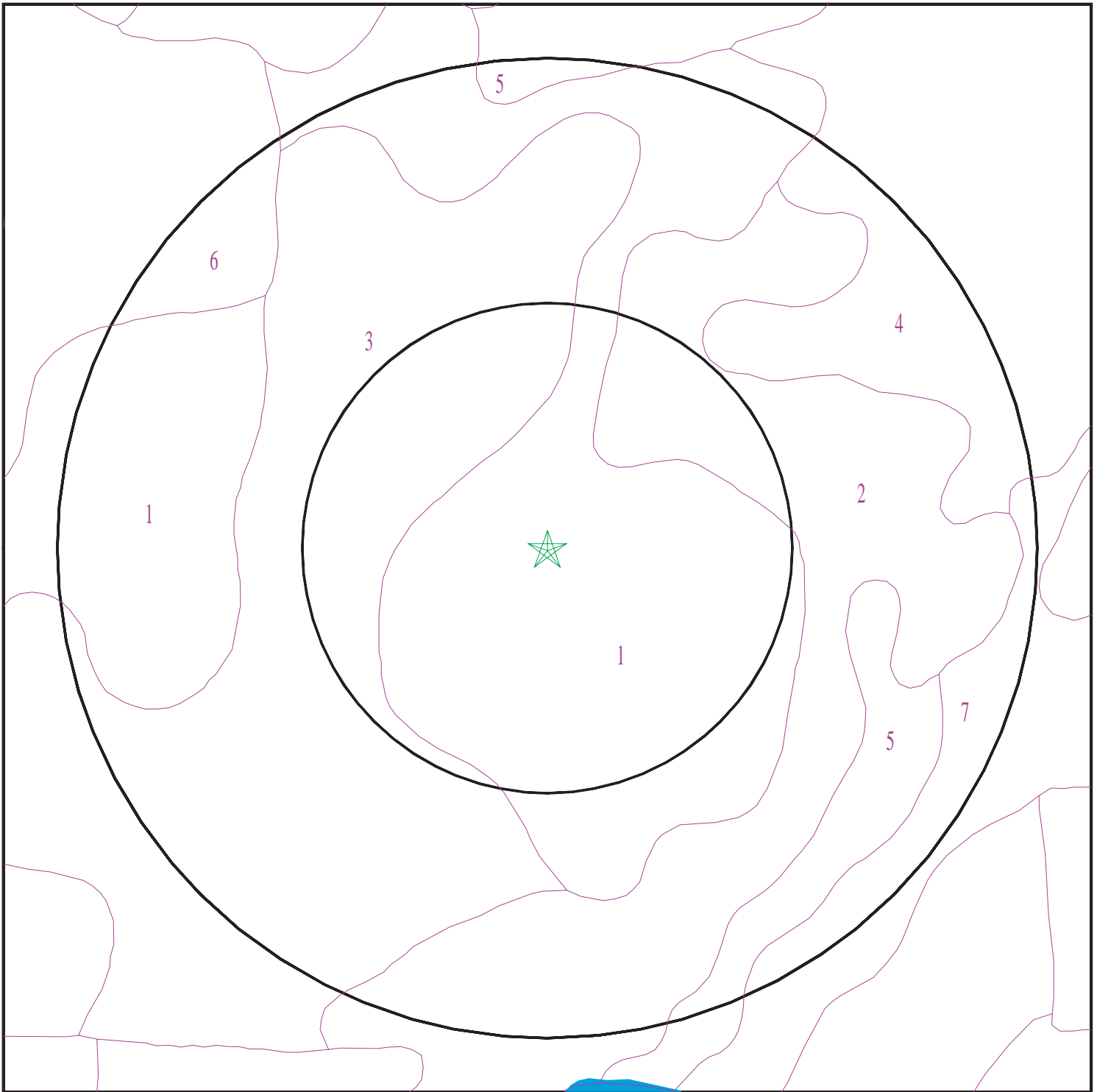
Era:	Paleozoic
System:	Silurian
Series:	Middle Silurian (Niagoaran)
Code:	S2 <i>(decoded above as Era, System & Series)</i>

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 06121464.2r



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Elgin MHC
ADDRESS: 700 S State St
Elgin IL 60123
LAT/LONG: 42.016017 / 88.287434

CLIENT: Stanley Consultants
CONTACT: Jimmy Wiesbrock
INQUIRY #: 06121464.2r
DATE: July 14, 2020 4:59 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Waupecan

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Not reported	Not reported	Max: 698 Min: 141.14	Max: 8.4 Min: 6.6
2	11 inches	38 inches		Not reported	Not reported	Max: 698 Min: 141.14	Max: 8.4 Min: 6.6
3	38 inches	55 inches		Not reported	Not reported	Max: 698 Min: 141.14	Max: 8.4 Min: 6.6
4	55 inches	59 inches		Not reported	Not reported	Max: 698 Min: 141.14	Max: 8.4 Min: 6.6

Soil Map ID: 2

Soil Component Name: Lorenzo

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 698 Min: 141.14	Max: 8.4 Min: 7.4
2	7 inches	18 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 698 Min: 141.14	Max: 8.4 Min: 7.4
3	18 inches	59 inches	stratified gravelly loamy sand to extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 698 Min: 141.14	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: Waupecan

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	silt loam	Not reported	Not reported	Max: 698 Min: 141.14	Max: 8.4 Min: 6.6
2	12 inches	38 inches		Not reported	Not reported	Max: 698 Min: 141.14	Max: 8.4 Min: 6.6
3	38 inches	55 inches		Not reported	Not reported	Max: 698 Min: 141.14	Max: 8.4 Min: 6.6
4	55 inches	70 inches		Not reported	Not reported	Max: 698 Min: 141.14	Max: 8.4 Min: 6.6

Soil Map ID: 4

Soil Component Name: Bowes

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.14	Max: 8.4 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	7 inches	37 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.14	Max: 8.4 Min: 7.4
3	37 inches	42 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.14	Max: 8.4 Min: 7.4
4	42 inches	59 inches	stratified extremely gravelly coarse sand to gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.14	Max: 8.4 Min: 7.4

Soil Map ID: 5

Soil Component Name: Dresden

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 698 Min: 141.14	Max: 8.4 Min: 7.4
2	7 inches	25 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 698 Min: 141.14	Max: 8.4 Min: 7.4
3	25 inches	29 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 698 Min: 141.14	Max: 8.4 Min: 7.4
4	29 inches	59 inches	stratified gravelly loamy sand to extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 698 Min: 141.14	Max: 8.4 Min: 7.4

Soil Map ID: 6

Soil Component Name: Pits, gravel

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 7

Soil Component Name: Will

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loam	Not reported	Not reported	Max: 698 Min: 141.14	Max: 8.4 Min: 7.4
2	14 inches	27 inches		Not reported	Not reported	Max: 698 Min: 141.14	Max: 8.4 Min: 7.4
3	27 inches	59 inches		Not reported	Not reported	Max: 698 Min: 141.14	Max: 8.4 Min: 7.4

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
D12	USGS40000299882	1/8 - 1/4 Mile NNW
G24	USGS40000299880	1/4 - 1/2 Mile WNW
H34	USGS40000299861	1/4 - 1/2 Mile South
Y91	USGS40000299879	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
H38	IL0890800	1/2 - 1 Mile South

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	ILPW41319	1/8 - 1/4 Mile NNW
B2	ILSG30000117771	1/8 - 1/4 Mile ENE
B3	ILSG30000117770	1/8 - 1/4 Mile ENE
B4	ILSG30000117769	1/8 - 1/4 Mile ENE
B5	ILSG30000117774	1/8 - 1/4 Mile ENE
B6	ILSG30000117773	1/8 - 1/4 Mile ENE
B7	ILSG30000117772	1/8 - 1/4 Mile ENE
C8	ILPW41342	1/8 - 1/4 Mile SSW
C9	ILPW41341	1/8 - 1/4 Mile SSW
A10	ILEPC5000001899	1/8 - 1/4 Mile NW
11	ILPW41338	1/8 - 1/4 Mile SSE
D13	ILSG30000107896	1/8 - 1/4 Mile NNW
14	ILPW41326	1/4 - 1/2 Mile ESE
15	ILSG30000107327	1/4 - 1/2 Mile South
E16	ILSG30000117775	1/4 - 1/2 Mile East
E17	ILSG30000110772	1/4 - 1/2 Mile East
18	ILSG30000110771	1/4 - 1/2 Mile ENE
19	ILPW41334	1/4 - 1/2 Mile SE
20	ILPW41325	1/4 - 1/2 Mile East
F21	ILEPC5000004701	1/4 - 1/2 Mile South
22	ILPW41343	1/4 - 1/2 Mile SSW
F23	ILSG30000119622	1/4 - 1/2 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F25	ILSG30000107340	1/4 - 1/2 Mile South
F26	ILSG30000107344	1/4 - 1/2 Mile South
27	ILSG30000113988	1/4 - 1/2 Mile ENE
28	ILSG30000118673	1/4 - 1/2 Mile WSW
29	ILPW41318	1/4 - 1/2 Mile NNW
30	ILSG30000107497	1/4 - 1/2 Mile NNE
G31	ILSG30000107897	1/4 - 1/2 Mile WNW
G32	ILEPC5000001900	1/4 - 1/2 Mile WNW
H33	ILEPC5000001896	1/4 - 1/2 Mile South
H35	ILPW41340	1/4 - 1/2 Mile South
H36	ILPW41339	1/4 - 1/2 Mile South
37	ILPW41320	1/2 - 1 Mile West
I39	ILPW41344	1/2 - 1 Mile SSW
I40	ILPW41345	1/2 - 1 Mile SSW
J41	ILPW41347	1/2 - 1 Mile WSW
42	ILSG30000117307	1/2 - 1 Mile WSW
K43	ILSG30000118671	1/2 - 1 Mile WNW
L44	ILSG30000110097	1/2 - 1 Mile ENE
K45	ILSG30000111179	1/2 - 1 Mile WNW
M46	ILSG30000107360	1/2 - 1 Mile ENE
47	ILSG30000115406	1/2 - 1 Mile NW
J48	ILSG30000110054	1/2 - 1 Mile WSW
M49	ILSG30000107359	1/2 - 1 Mile ENE
L50	ILSG30000117311	1/2 - 1 Mile ENE
51	ILPW41346	1/2 - 1 Mile SW
N52	ILPW41336	1/2 - 1 Mile SSW
N53	ILPW41335	1/2 - 1 Mile SSW
O54	ILSG30000117312	1/2 - 1 Mile East
P55	ILSG30000117306	1/2 - 1 Mile West
P56	ILSG30000118731	1/2 - 1 Mile West
57	ILSG30000118672	1/2 - 1 Mile WSW
O58	ILSG30000117313	1/2 - 1 Mile East
Q59	ILSG30000117314	1/2 - 1 Mile East
60	ILSG30000109371	1/2 - 1 Mile ESE
R61	ILSG30000118534	1/2 - 1 Mile ESE
Q62	ILSG30000117315	1/2 - 1 Mile East
R63	ILSG30000118537	1/2 - 1 Mile ESE
R64	ILSG30000118535	1/2 - 1 Mile ESE
S65	ILSG30000118538	1/2 - 1 Mile ESE
66	ILSG30000107500	1/2 - 1 Mile ENE
S67	ILSG30000118536	1/2 - 1 Mile ESE
T68	ILPW41331	1/2 - 1 Mile East
T69	ILPW41330	1/2 - 1 Mile East
70	ILPW41333	1/2 - 1 Mile SSE
S71	ILSG30000118540	1/2 - 1 Mile ESE
72	ILPW41323	1/2 - 1 Mile NE
U73	ILSG30000107898	1/2 - 1 Mile East
U74	ILSG30000107972	1/2 - 1 Mile East
V75	ILSG30000118539	1/2 - 1 Mile ESE
76	ILSG30000117327	1/2 - 1 Mile West
W77	ILPW41322	1/2 - 1 Mile ENE
W78	ILPW41321	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

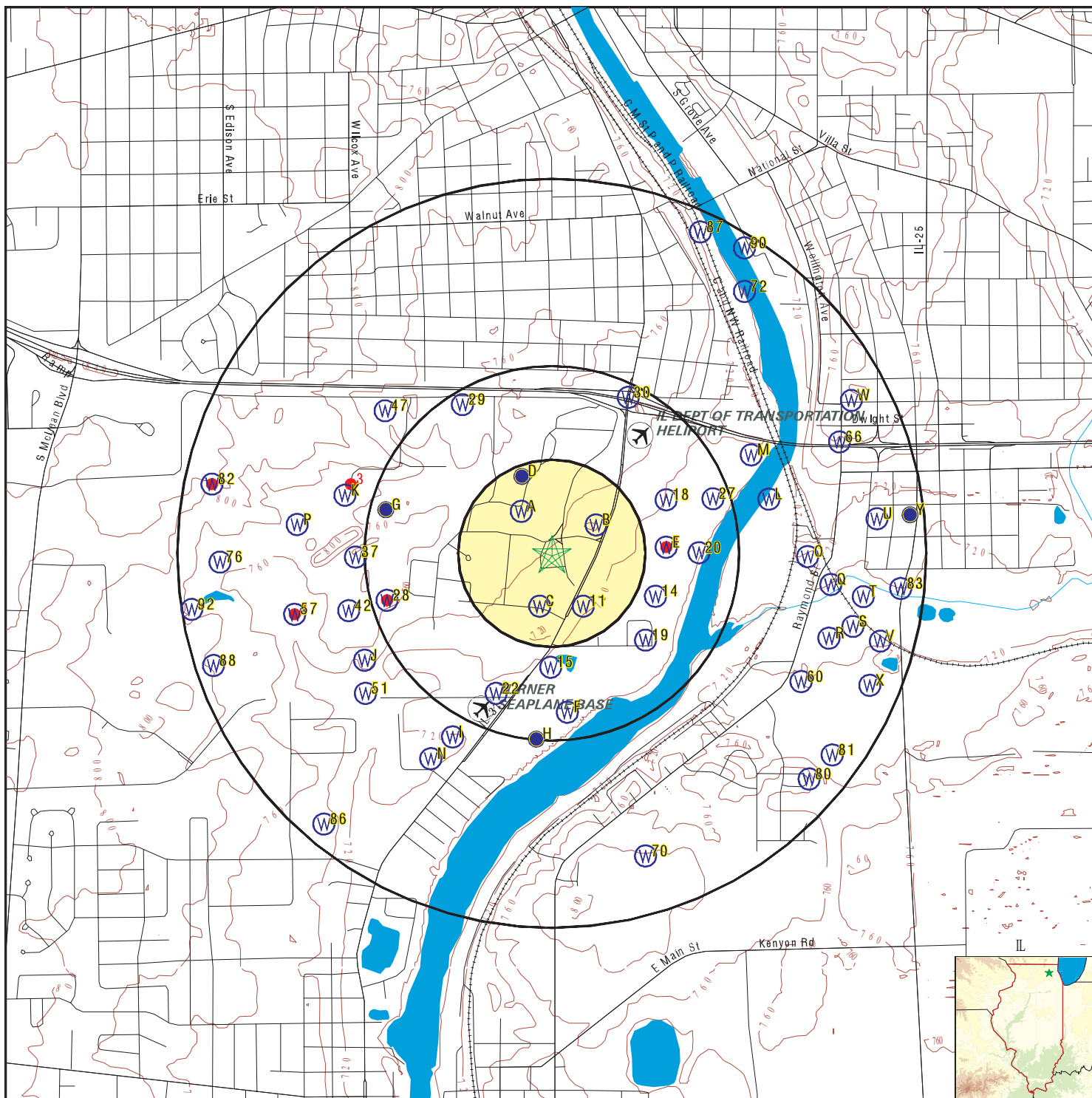
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
X79	ILPW41329	1/2 - 1 Mile ESE
80	ILSG30000118501	1/2 - 1 Mile SE
81	ILSG30000119283	1/2 - 1 Mile SE
82	ILSG30000118670	1/2 - 1 Mile WNW
83	ILSG30000120122	1/2 - 1 Mile East
X84	ILSG30000107975	1/2 - 1 Mile ESE
V85	ILSG30000117316	1/2 - 1 Mile ESE
86	ILPW41348	1/2 - 1 Mile SW
87	ILSG30000118610	1/2 - 1 Mile NNE
88	ILSG30000117325	1/2 - 1 Mile WSW
Y89	ILSG30000107304	1/2 - 1 Mile East
90	ILPW41324	1/2 - 1 Mile NNE
92	ILSG30000117326	1/2 - 1 Mile West

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	ILOG10000355731	1/4 - 1/2 Mile East
2	ILOG10000406791	1/4 - 1/2 Mile WSW
3	ILOG10000406786	1/2 - 1 Mile WNW
4	ILOG10000406798	1/2 - 1 Mile WSW
5	ILOG10000406785	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 06121464.2r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Elgin MHC
 ADDRESS: 700 S State St
 Elgin IL 60123
 LAT/LONG: 42.016017 / 88.287434

CLIENT: Stanley Consultants
 CONTACT: Jimmy Wiesbrock
 INQUIRY #: 06121464.2r
 DATE: July 14, 2020 4:59 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
NNW
1/8 - 1/4 Mile
Higher

IL WELLS ILPW41319

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41319	Driller:	GERBER
Owner:	ELGIN STATE HOSPITAL	Permit:	Not Reported
Date drilled:	00/00/1932	Record type:	RGC
Depth:	2000	Well type:	~~
Well Use:	Commerical		
Aquifer type:	~~		

B2
ENE
1/8 - 1/4 Mile
Lower

IL WELLS ILSG30000117771

Database:	Water Well Records	API #:	120893414800
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Elgin State Hospital	Well:	B-7
Driller:	Layne Western	Date Drilled:	0
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	36	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

B3
ENE
1/8 - 1/4 Mile
Lower

IL WELLS ILSG30000117770

Database:	Water Well Records	API #:	120893414700
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Elgin State Hospital	Well:	B-4
Driller:	Layne Western	Date Drilled:	0
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	26	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

B4
ENE
1/8 - 1/4 Mile
Lower

IL WELLS ILSG30000117769

Database:	Water Well Records	API #:	120893414600
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	ELgin State Hospital	Well:	B-1
Driller:	Layne Western	Date Drilled:	0
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	29	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B5
ENE
1/8 - 1/4 Mile
Lower

IL WELLS ILSG30000117774

Database:	Water Well Records	API #:	120893415100
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Elgin State Hospital	Well:	13
Driller:	Layne Western	Date Drilled:	0
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	24	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

B6
ENE
1/8 - 1/4 Mile
Lower

IL WELLS ILSG30000117773

Database:	Water Well Records	API #:	120893415000
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Elgin State Hospital	Well:	12
Driller:	Layne Western	Date Drilled:	0
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	19	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

B7
ENE
1/8 - 1/4 Mile
Lower

IL WELLS ILSG30000117772

Database:	Water Well Records	API #:	120893414900
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Elgin State Hospital	Well:	B-9
Driller:	Layne Western	Date Drilled:	0
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	31	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

C8
SSW
1/8 - 1/4 Mile
Lower

IL WELLS ILPW41342

Database:	Illinois Private Well Database and PICS		
Well ID:	41342	2nd ID:	Not Reported
Owner:	SHERMAN MORGAN	Driller:	Not Reported
Date drilled:	00/00/1922	Permit:	Not Reported
Depth:	85	Record type:	OG
Well Use:	Domestic	Well Type:	~~
Aquifer type:	~~		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C9
SSW
1/8 - 1/4 Mile
Lower

IL WELLS ILPW41341

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41341	Driller:	Not Reported
Owner:	SHERMAN MORGAN	Permit:	Not Reported
Date drilled:	00/00/1913	Record type:	OG
Depth:	17	Well Type:	~~
Well Use:	Domestic		
Aquifer type:	~~		

A10
NW
1/8 - 1/4 Mile
Higher

IL WELLS ILEPC500001899

Database:	Water Well Location Information	Facility Name:	Not Reported
Well ID:	20117	Mailing Address:	Not Reported
Facility #:	Not Reported	City:	Not Reported
Address (cont):	Not Reported	Status Code:	Not Reported
Zip:	Not Reported	Primary Use Name:	Not Reported
Federal Type Code:	Not Reported	Update Time Stamp:	Not Reported
Population Count:	0	Water Supply Name:	ELGIN MHC
IEPA Facility #:	0895910	Aquifer Status:	U
ISGS Geologic Suscept:	A2	Well Depth:	2000
Min Setback Zone (ft):	400	EPA Facility Status:	I
Ambient Sampling Netwk Stat:	0	SDWIS Facility #:	IL0895910
SDWIS Well ID:	WL20117		
API #:	120890078400		

11
SSE
1/8 - 1/4 Mile
Lower

IL WELLS ILPW41338

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41338	Driller:	Not Reported
Owner:	TEST HOLE-RECHARGE PROJECT	Permit:	Not Reported
Date drilled:	00/00/0000	Record type:	C
Depth:	Not Reported	Well Type:	~~
Well Use:	---		
Aquifer type:	~~		

D12
NNW
1/8 - 1/4 Mile
Higher

FED USGS USGS40000299882

Organization ID:	USGS-IL	Organization Name:	USGS Illinois Water Science Center
Monitor Location:	41N 8E-23.3b1	Type:	Well
Description:	Not Reported	HUC:	07120006
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19320930
Well Depth:	2000	Well Depth Units:	ft
Well Hole Depth:	2000	Well Hole Depth Units:	ft
Ground water levels, Number of Measurements:		1	Level reading date:
Feet below surface:	45.00		1932-10-01
Note:	Not Reported	Feet to sea level:	Not Reported

**D13
NNW
1/8 - 1/4 Mile
Higher**

IL WELLS ILSG30000107896

Database:	Water Well Records	API #:	120890078400
IL State Water Survey P #:	406493	Status:	Water Well
Well Name:	Ill State Hospital	Well:	Not Reported
Driller:	Gray Mileager Drlg	Date Drilled:	1932 1 1
Elevation:	738	Elevation Reference:	Ground level
Total Depth:	2000	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**14
ESE
1/4 - 1/2 Mile
Lower**

IL WELLS ILPW41326

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41326	Driller:	Not Reported
Owner:	TEST HOLE -RECHARGE PROJECT	Permit:	Not Reported
Date drilled:	00/00/0000	Record type:	C
Depth:	Not Reported	Well Type:	~~
Well Use:	---		
Aquifer type:	~~		

**15
South
1/4 - 1/2 Mile
Lower**

IL WELLS ILSG30000107327

Database:	Water Well Records	API #:	120890019500
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Kerber Packing Co	Well:	5
Driller:	Layne Western Co., Inc.	Date Drilled:	1959 6 1
Elevation:	705	Elevation Reference:	Ground level
Total Depth:	68	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E16
East
1/4 - 1/2 Mile
Lower

IL WELLS ILSG30000117775

Database:	Water Well Records	API #:	120893415200
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Kane Co.Forest Preserve B-2		
Well:	Not Reported	Driller:	D & G Drilling
Date Drilled:	0	Elevation:	0
Elevation Reference:	Not Reported	Total Depth:	50
Lithologic Formation:	Not Reported	Top of Formation (ft):	0
Bottom of Formation (ft):	0	Pump Flow (gal/min):	0

E17
East
1/4 - 1/2 Mile
Lower

IL WELLS ILSG30000110772

Database:	Water Well Records	API #:	120892613300
IL State Water Survey P #:	0	Status:	Stratigraphic Test
Well Name:	Kane Co Forest Preserve Dist		
Well:	Not Reported	Driller:	D & G Drilling Co., Inc.
Date Drilled:	1980 910	Elevation:	710
Elevation Reference:	Ground level	Total Depth:	61
Lithologic Formation:	Not Reported	Top of Formation (ft):	0
Bottom of Formation (ft):	0	Pump Flow (gal/min):	0

18
ENE
1/4 - 1/2 Mile
Lower

IL WELLS ILSG30000110771

Database:	Water Well Records	API #:	120892613200
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Kane Co. Forest Pres.	Well:	1
Driller:	D & G Drilling Co., Inc.	Date Drilled:	1980 9 9
Elevation:	710	Elevation Reference:	Ground level
Total Depth:	62	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

19
SE
1/4 - 1/2 Mile
Lower

IL WELLS ILPW41334

Database:	Illinois Private Well Database and PICS		
Well ID:	41334	2nd ID:	Not Reported
Owner:	OTTO RAUSCH-GERHING MFG	Driller:	Not Reported
Date drilled:	00/00/0000	Permit:	Not Reported
Depth:	50	Record type:	C
Well Use:	IN	Well Type:	~~
Aquifer type:	~~		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

20
East
1/4 - 1/2 Mile
Lower

IL WELLS ILPW41325

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41325	Driller:	DUPAGE PUMP INC
Owner:	ELGIN CONT'. LITTLE	Permit:	0013979
Date drilled:	09/28/1989	Record type:	GR
Depth:	250	Well Type:	--
Well Use:	Domestic		
Aquifer type:	Bedrock		

F21
South
1/4 - 1/2 Mile
Lower

IL WELLS ILEPC500004701

Database:	Water Well Location Information	Facility Name:	Not Reported
Well ID:	01892	Mailing Address:	Not Reported
Facility #:	Not Reported	City:	Not Reported
Address (cont):	Not Reported	Status Code:	Not Reported
Zip:	Not Reported	Primary Use Name:	Not Reported
Federal Type Code:	Not Reported	Update Time Stamp:	Not Reported
Population Count:	0	Water Supply Name:	SOUTH ELGIN
IEPA Facility #:	0890800	Aquifer Status:	U
ISGS Geologic Suscept:	AX	Well Depth:	95
Min Setback Zone (ft):	400	EPA Facility Status:	A
Ambient Sampling Netwk Stat:	0	SDWIS Facility #:	IL0890800
SDWIS Well ID:	WL01892		
API #:	Not Reported		

22
SSW
1/4 - 1/2 Mile
Lower

IL WELLS ILPW41343

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41343	Driller:	K AND K
Owner:	E AND E HAELING	Permit:	Not Reported
Date drilled:	00/00/0000	Record type:	A
Depth:	22	Well Type:	--
Well Use:	Domestic		
Aquifer type:	~~		

F23
South
1/4 - 1/2 Mile
Lower

IL WELLS ILSG30000119622

Database:	Water Well Records	API #:	120893602500
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	South Elgin, Village of	Well:	12
Driller:	Layne-Western Co.	Date Drilled:	20041021

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Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	124	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	1085		

**G24
WNW
1/4 - 1/2 Mile
Higher**

FED USGS USGS40000299880

Organization ID:	USGS-IL	Organization Name:	USGS Illinois Water Science Center
Monitor Location:	41N 8E-23.6b1	Type:	Well
Description:	Not Reported	HUC:	07120007
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	194707
Well Depth:	2000	Well Depth Units:	ft
Well Hole Depth:	2000	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1947-07-31
Feet below surface:	191.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**F25
South
1/4 - 1/2 Mile
Lower**

IL WELLS ILSG30000107340

Database:	Water Well Records	API #:	120890020800
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Kerber Packing	Well:	Not Reported
Driller:	Obrien	Date Drilled:	1951 1 1
Elevation:	704	Elevation Reference:	Ground level
Total Depth:	38	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**F26
South
1/4 - 1/2 Mile
Lower**

IL WELLS ILSG30000107344

Database:	Water Well Records	API #:	120890021200
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Kerber Packing Co	Well:	Not Reported
Driller:	No Company	Date Drilled:	0
Elevation:	706	Elevation Reference:	Ground level
Total Depth:	50	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

27
ENE
1/4 - 1/2 Mile
Lower

IL WELLS ILSG30000113988

Database:	Water Well Records	API #:	120893034500
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Elgin Cont. Little League	Well:	Not Reported
Driller:	Senffner, Alan James	Date Drilled:	1989 928
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	250	Lithologic Formation:	limestone
Top of Formation (ft):	250	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

28
WSW
1/4 - 1/2 Mile
Higher

IL WELLS ILSG30000118673

Database:	Water Well Records	API #:	120893506700
IL State Water Survey P #:	0	Status:	Stratigraphic Test
Well Name:	Elgin Golf Course Borings	Well:	B-8
Driller:	Patrick Engineering	Date Drilled:	2000 8 1
Elevation:	783	Elevation Reference:	Not Reported
Total Depth:	42	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

29
NNW
1/4 - 1/2 Mile
Higher

IL WELLS ILPW41318

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41318	Driller:	GRAY-MILEAGER DRLG
Owner:	ELGIN STATE HOSPITAL	Permit:	Not Reported
Date drilled:	00/00/1932	Record type:	RG
Depth:	1960	Well Type:	~~
Well Use:	Commerical		
Aquifer type:	~~		

30
NNE
1/4 - 1/2 Mile
Higher

IL WELLS ILSG30000107497

Database:	Water Well Records	API #:	120890037300
IL State Water Survey P #:	342644	Status:	Engineering Test
Well Name:	South State Stbridge	Well:	1
Driller:	IL Dept. of Transportation	Elevation:	757
Date Drilled:	1958 3 1	Total Depth:	41
Elevation Reference:	Ground level	Top of Formation (ft):	0
Lithologic Formation:	Not Reported	Pump Flow (gal/min):	0
Bottom of Formation (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

G31
WNW
 1/4 - 1/2 Mile
 Higher

IL WELLS ILSG30000107897

Database:	Water Well Records	API #:	120890078500
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Elgin State Hosp	Well:	2
Driller:	Layne Western Co., Inc.	Date Drilled:	1947 7 1
Elevation:	760	Elevation Reference:	Ground level
Total Depth:	2000	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

G32
WNW
 1/4 - 1/2 Mile
 Higher

IL WELLS ILEPC5000001900

Database:	Water Well Location Information	Facility Name:	Not Reported
Well ID:	20118	Mailing Address:	Not Reported
Facility #:	Not Reported	City:	Not Reported
Address (cont):	Not Reported	Status Code:	Not Reported
Zip:	Not Reported	Primary Use Name:	Not Reported
Federal Type Code:	Not Reported	Update Time Stamp:	Not Reported
Population Count:	0	Water Supply Name:	ELGIN MHC
IEPA Facility #:	0895910	Aquifer Status:	C
ISGS Geologic Suscept:	E	Well Depth:	2000
Min Setback Zone (ft):	200	EPA Facility Status:	I
Ambient Sampling Netwk Stat:	0	SDWIS Facility #:	IL0895910
SDWIS Well ID:	WL20118		
API #:	120890078500		

H33
South
 1/4 - 1/2 Mile
 Lower

IL WELLS ILEPC5000001896

Database:	Water Well Location Information	Facility Name:	Not Reported
Well ID:	20098	Mailing Address:	Not Reported
Facility #:	Not Reported	City:	Not Reported
Address (cont):	Not Reported	Status Code:	Not Reported
Zip:	Not Reported	Primary Use Name:	Not Reported
Federal Type Code:	Not Reported	Update Time Stamp:	Not Reported
Population Count:	0	Water Supply Name:	SOUTH ELGIN
IEPA Facility #:	0890800	Aquifer Status:	U
ISGS Geologic Suscept:	A2	Well Depth:	68
Min Setback Zone (ft):	400	EPA Facility Status:	A
Ambient Sampling Netwk Stat:	0	SDWIS Facility #:	IL0890800
SDWIS Well ID:	WL20098		
API #:	120890019500		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

H34
South
1/4 - 1/2 Mile
Lower

FED USGS USGS40000299861

Organization ID:	USGS-IL	Organization Name:	USGS Illinois Water Science Center
Monitor Location:	41N 8E-26.3e1	Type:	Well
Description:	Not Reported	HUC:	07120007
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Quaternary System	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	68
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

H35
South
1/4 - 1/2 Mile
Lower

IL WELLS ILPW41340

Database:	Illinois Private Well Database and PICS		
Well ID:	41340	2nd ID:	Not Reported
Owner:	KERBER PACKLING CO	Driller:	Not Reported
Date drilled:	00/00/1951	Permit:	Not Reported
Depth:	38	Record type:	RG
Well Use:	Commerical	Well Type:	~~
Aquifer type:	~~		

H36
South
1/4 - 1/2 Mile
Lower

IL WELLS ILPW41339

Database:	Illinois Private Well Database and PICS		
Well ID:	41339	2nd ID:	Not Reported
Owner:	KERBER PACKLING CO	Driller:	Not Reported
Date drilled:	02/13/1934	Permit:	Not Reported
Depth:	50	Record type:	RG
Well Use:	Commerical	Well Type:	~~
Aquifer type:	~~		

37
West
1/2 - 1 Mile
Higher

IL WELLS ILPW41320

Database:	Illinois Private Well Database and PICS		
Well ID:	41320	2nd ID:	Not Reported
Owner:	ELGIN STATE HOSPITAL	Driller:	LAYNE WESTERN
Date drilled:	00/00/1947	Permit:	Not Reported
Depth:	1290	Record type:	RGC
Well Use:	Commerical	Well Type:	~~
Aquifer type:	~~		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

H38
South
1/2 - 1 Mile
Lower

FRDS PWS IL0890800

Epa region:	05	State:	IL
Pwsid:	IL0890800	Pwsname:	SOUTH ELGIN
Cityserved:	Not Reported	Stateserved:	IL
Ziperved:	Not Reported	Fipscounty:	17089
Status:	Active	Retpopsrvd:	20844
Pwssvconn:	7693	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	BEHM, CHARLTON	Contactorgname:	BEHM, CHARLTON
Contactphone:	847-695-2742	Contactaddress1:	VILLAGE OF SOUTH ELGIN
Contactaddress2:	735 MARTIN DR	Contactcity:	SOUTH ELGIN
Contactstate:	IL	Contactzip:	60177
Pwsactivitycode:	A		
Pwsid:	IL0890800	Facid:	15789
Facname:	TP 04-WELL 6	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	corrosion control
Trtprocess:	inhibitor, polyphosphate	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15789
Facname:	TP 04-WELL 6	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15789
Facname:	TP 04-WELL 6	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, pre	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15789
Facname:	TP 04-WELL 6	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	iron removal
Trtprocess:	gaseous chlorination, pre	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15790
Facname:	TP 05-WELL 7	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	ion exchange	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15790
Facname:	TP 05-WELL 7	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	IL0890800	Facid:	15790
Facname:	TP 05-WELL 7	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	corrosion control
Trtprocess:	inhibitor, polyphosphate	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15790
Facname:	TP 05-WELL 7	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15790

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facname:	TP 05-WELL 7	Facetype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	taste / odor control
Trtprocess:	gaseous chlorination, pre	Factypecode:	TP
Pwsid:	IL0890800	Facid:	33456
Facname:	TP 06-WELL 10 & 11	Facetype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	IL0890800	Facid:	33456
Facname:	TP 06-WELL 10 & 11	Facetype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	corrosion control
Trtprocess:	inhibitor, polyphosphate	Factypecode:	TP
Pwsid:	IL0890800	Facid:	33456
Facname:	TP 06-WELL 10 & 11	Facetype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP
Pwsid:	IL0890800	Facid:	33456
Facname:	TP 06-WELL 10 & 11	Facetype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	filtration, slow sand	Factypecode:	TP
Pwsid:	IL0890800	Facid:	40390
Facname:	TP07-WELL #12 TREATED BY IRON FILTRATION	Facactivitycode:	A
Facetype:	Treatment_plant	Trtprocess:	filtration, pressure sand
Trtobjective:	iron removal		
Factypecode:	TP		
Pwsid:	IL0890800	Facid:	40390
Facname:	TP07-WELL #12 TREATED BY IRON FILTRATION	Facactivitycode:	A
Facetype:	Treatment_plant	Trtprocess:	gaseous chlorination, post
Trtobjective:	disinfection		
Factypecode:	TP		
Pwsid:	IL0890800	Facid:	40390
Facname:	TP07-WELL #12 TREATED BY IRON FILTRATION	Facactivitycode:	A
Facetype:	Treatment_plant	Trtprocess:	not reported
Trtobjective:	iron removal		
Factypecode:	TP		
Pwsid:	IL0890800	Facid:	40390
Facname:	TP07-WELL #12 TREATED BY IRON FILTRATION	Facactivitycode:	A
Facetype:	Treatment_plant	Trtprocess:	fluoridation
Trtobjective:	other		
Factypecode:	TP		
Pwsid:	IL0890800	Facid:	40390
Facname:	TP07-WELL #12 TREATED BY IRON FILTRATION	Facactivitycode:	A
Facetype:	Treatment_plant	Trtprocess:	inhibitor, polyphosphate
Trtobjective:	corrosion control		
Factypecode:	TP		
Pwsid:	IL0890800	Facid:	40544
Facname:	TP08-ION-EXCHANGE TREATING WELL #8 & #9	Facactivitycode:	A
Facetype:	Treatment_plant	Trtprocess:	ion exchange
Trtobjective:	radionuclides removal		
Factypecode:	TP		
Pwsid:	IL0890800	Facid:	40544

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facname:	TP08-ION-EXCHANGE TREATING WELL #8 & #9		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	IL0890800	Facid:	40544
Facname:	TP08-ION-EXCHANGE TREATING WELL #8 & #9		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	other	Trtprocess:	fluoridation
Factypecode:	TP		
Pwsid:	IL0890800	Facid:	40544
Facname:	TP08-ION-EXCHANGE TREATING WELL #8 & #9		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	corrosion control	Trtprocess:	sequestration
Factypecode:	TP		
Pwsid:	IL0890800	Facid:	15786
Facname:	TP 01-WELL 3	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15786
Facname:	TP 01-WELL 3	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, pre	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15786
Facname:	TP 01-WELL 3	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	iron removal
Trtprocess:	filtration, pressure sand	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15786
Facname:	TP 01-WELL 3	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	iron removal
Trtprocess:	not reported	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15786
Facname:	TP 01-WELL 3	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	iron removal
Trtprocess:	gaseous chlorination, pre	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15787
Facname:	TP 02-WELL 4	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15787
Facname:	TP 02-WELL 4	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	corrosion control
Trtprocess:	inhibitor, polyphosphate	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15787
Facname:	TP 02-WELL 4	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, pre	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15788
Facname:	TP 03-WELL 5	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	IL0890800	Facid:	15788
Facname:	TP 03-WELL 5	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	corrosion control
Trtprocess:	inhibitor, polyphosphate	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15788
Facname:	TP 03-WELL 5	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, pre	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15789
Facname:	TP 04-WELL 6	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	iron removal
Trtprocess:	not reported	Factypecode:	TP
Pwsid:	IL0890800	Facid:	15789
Facname:	TP 04-WELL 6	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	iron removal
Trtprocess:	filtration, pressure sand	Factypecode:	TP
PWS ID:	IL0890800	PWS name:	SOUTH ELGIN
Address:	Not Reported	Care of:	Not Reported
City:	SOUTH ELGIN	State:	IL
Zip:	60177	Owner:	SOUTH ELGIN
Source code:	Ground water	Population:	10500
PWS ID:	IL0890800	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	SOUTH ELGIN
PWS type code:	C	Retail population served:	14668
Contact:	BEHM, CHARLTON	Contact address:	735 MARTIN DRIVE
Contact address:	SOUTH ELGIN	Contact city:	IL
Contact state:	60	Contact zip:	847-695-27
Contact telephone:	Not Reported		
County:	KANE	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	GASEOUS CHLORINATION, PRE
Population:	10500		
County:	KANE	Source:	Ground water
Treatment Objective:	IRON REMOVAL	Process:	AERATION, SPRAY
Population:	10500		
County:	KANE	Source:	Ground water
Treatment Objective:	IRON REMOVAL	Process:	FILTRATION, GREENSAND
Population:	10500		
County:	KANE	Source:	Ground water
Treatment Objective:	IRON REMOVAL	Process:	FILTRATION, PRESSURE SAND
Population:	10500		
County:	KANE	Source:	Ground water
Treatment Objective:	IRON REMOVAL	Process:	GASEOUS CHLORINATION, PRE
Population:	10500		
County:	KANE	Source:	Ground water
Treatment Objective:	Z	Process:	FLUORIDATION
Population:	10500		
PWS ID:	IL0890800	Activity status:	Active
Date system activated:	3901	Date system deactivated:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Retail population:	00007650	System name:	SOUTH ELGIN
System address:	Not Reported	System city:	SOUTH ELGIN
System state:	IL	System zip:	60177
County FIPS:	Not Reported	City served:	SOUTH ELGIN
Population served:	5,001 - 10,000 Persons	Treatment:	Treated
Latitude:	415928	Longitude:	0881715
Latitude:	420030	Longitude:	0881720
Latitude:	415929	Longitude:	0881715
Latitude:	415929	Longitude:	0881715
State:	IL	Latitude degrees:	41
Latitude minutes:	48	Latitude seconds:	25.0000
Longitude degrees:	88	Longitude minutes:	17
Longitude seconds:	20.0000		
State:	IL	Latitude degrees:	41
Latitude minutes:	59	Latitude seconds:	28.0000
Longitude degrees:	88	Longitude minutes:	17
Longitude seconds:	15.0000		
State:	IL	Latitude degrees:	41
Latitude minutes:	59	Latitude seconds:	29.0000
Longitude degrees:	88	Longitude minutes:	17
Longitude seconds:	15.0000		
State:	IL	Latitude degrees:	42
Latitude minutes:	0	Latitude seconds:	30.0000
Longitude degrees:	88	Longitude minutes:	17
Longitude seconds:	20.0000		
Violation id:	4702599	Orig code:	S
State:	IL	Violation Year:	1999
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/1999
Cmp edt:	Not Reported		
Violation id:	5191300	Orig code:	S
State:	IL	Violation Year:	2000
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	59		
Violation name:	WQP Entry Point/Tap Treatment Technique Non-Compliance		
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2000
Cmp edt:	09/30/2000		
Violation id:	7134309	Orig code:	S
State:	IL	Violation Year:	2012
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	24	Violation name:	Monitoring, Routine Minor (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	11/01/2012

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Cmp edt:	11/30/2012		
Violation id:	7134310	Orig code:	S
State:	IL	Violation Year:	2012
Contamination code:	0999	Contamination Name:	Chlorine
Violation code:	27	Violation name:	Monitoring and Reporting (DBP)
Rule code:	210	Rule name:	St1 DBP
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2012
Cmp edt:	12/31/2012		
Violation ID:	4702599	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	06/30/2000
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	5191300	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	12/31/2000
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	7134309	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	07/03/2013
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	7134309	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	12/20/2012
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	7134309	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	12/14/2012
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	7134309	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	12/14/2012
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	7134310	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	12/20/2012
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	7134310	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	12/14/2012
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	7134310	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	07/03/2013
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	7134310	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	12/14/2012
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
PWS name:	SOUTH ELGIN	Population served:	14668
PWS type code:	C	Violation ID:	4702599
Contaminant:	LEAD & COPPER RULE	Violation type:	Follow-up and Routine Tap Sampling
Compliance start date:	1/1/1999 0:00:00	Compliance end date:	6/30/2000 0:00:00
Enforcement date:	6/30/2000 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	SOUTH ELGIN	Population served:	14668
PWS type code:	C	Violation ID:	5191300

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contaminant:	LEAD & COPPER RULE	Violation type:	WQP Entry Point Non-Compliance
Compliance start date:	7/1/2000 0:00:00	Compliance end date:	9/30/2000 0:00:00
Enforcement date:	12/31/2000 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

I39
SSW
1/2 - 1 Mile
Lower

IL WELLS ILPW41344

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41344	Driller:	Not Reported
Owner:	A H BURGER	Permit:	Not Reported
Date drilled:	00/00/1926	Record type:	RG
Depth:	20	Well Type:	~~
Well Use:	Domestic		
Aquifer type:	~~		

I40
SSW
1/2 - 1 Mile
Lower

IL WELLS ILPW41345

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41345	Driller:	Not Reported
Owner:	KERBER PACKLING CO	Permit:	Not Reported
Date drilled:	02/13/1934	Record type:	RG
Depth:	32	Well Type:	~~
Well Use:	Domestic		
Aquifer type:	~~		

J41
WSW
1/2 - 1 Mile
Higher

IL WELLS ILPW41347

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41347	Driller:	LAYNE-WESTERN
Owner:	KERBER PACKING CO	Permit:	Not Reported
Date drilled:	08/12/1963	Record type:	O C
Depth:	66	Well Type:	~~
Well Use:	IN		
Aquifer type:	~~		

42
WSW
1/2 - 1 Mile
Higher

IL WELLS ILSG30000117307

Database:	Water Well Records	API #:	120893367800
IL State Water Survey P #:	0	Status:	Outcrop
Well Name:	Prairie Materials Yar	Well:	SM-98-1
Driller:	Not Reported	Date Drilled:	0
Elevation:	780	Elevation Reference:	Not Reported
Total Depth:	0	Lithologic Formation:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**K43
WNW
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000118671

Database:	Water Well Records	API #:	120893506500
IL State Water Survey P #:	0	Status:	Stratigraphic Test
Well Name:	Elgin Golf Course Borings	Well:	B-6
Driller:	Patrick Engineering	Date Drilled:	2000 8 1
Elevation:	768	Elevation Reference:	Not Reported
Total Depth:	35	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**L44
ENE
1/2 - 1 Mile
Lower**

IL WELLS ILSG30000110097

Database:	Water Well Records	API #:	120892301800
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Poplar Crk Sewer	Well:	TB-1
Driller:	Hurley Claude H Co	Date Drilled:	1974 4 1
Elevation:	705	Elevation Reference:	Ground level
Total Depth:	24	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**K45
WNW
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000111179

Database:	Water Well Records	API #:	120892693100
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Hubbe, Harold	Well:	Not Reported
Driller:	Weirich, William Theodore	Date Drilled:	1986 5 14
Elevation:	745	Elevation Reference:	Ground level
Total Depth:	273	Lithologic Formation:	limestone
Top of Formation (ft):	184	Bottom of Formation (ft):	273
Pump Flow (gal/min):	16		

**M46
ENE
1/2 - 1 Mile
Lower**

IL WELLS ILSG30000107360

Database:	Water Well Records	API #:	120890022800
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	City Of Elgin	Well:	9-61
Driller:	Layne Western Co., Inc.	Date Drilled:	1961 6 1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	37	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**47
NW
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000115406

Database:	Water Well Records	API #:	120893176400
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Prairie Group	Well:	Not Reported
Driller:	Snelten, Stephen A.	Date Drilled:	1995 622
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	200	Lithologic Formation:	limestone
Top of Formation (ft):	110	Bottom of Formation (ft):	200
Pump Flow (gal/min):	0		

**J48
WSW
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000110054

Database:	Water Well Records	API #:	120892297400
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Gledraitis Don	Well:	85
Driller:	Burgess, Wayne Jr.	Date Drilled:	1975 3 1
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	80	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**M49
ENE
1/2 - 1 Mile
Lower**

IL WELLS ILSG30000107359

Database:	Water Well Records	API #:	120890022700
IL State Water Survey P #:	0	Status:	Water Well Test Hole
Well Name:	Elgin, City of	Well:	8-61
Driller:	Layne Western Co., Inc.	Date Drilled:	1961 6 1
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	51	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**L50
ENE
1/2 - 1 Mile
Lower**

IL WELLS ILSG30000117311

Database:	Water Well Records	API #:	120893368200
IL State Water Survey P #:	0	Status:	Engineering Test

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Name:	Poplar Creek Outlet Sewe	Well:	TB-2
Driller:	Hurley, Claude	Date Drilled:	0
Elevation:	716	Elevation Reference:	Not Reported
Total Depth:	36	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**51
SW
1/2 - 1 Mile
Lower**

IL WELLS ILPW41346

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41346	Driller:	BURGESS
Owner:	DON GIEDRAITIS	Permit:	M035830
Date drilled:	03/11/1975	Record type:	RG
Depth:	80	Well Type:	~~
Well Use:	Domestic		
Aquifer type:	~~		

**N52
SSW
1/2 - 1 Mile
Lower**

IL WELLS ILPW41336

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41336	Driller:	Not Reported
Owner:	GEORGE KOCH	Permit:	Not Reported
Date drilled:	00/00/1932	Record type:	RG
Depth:	50	Well Type:	~~
Well Use:	Domestic		
Aquifer type:	~~		

**N53
SSW
1/2 - 1 Mile
Lower**

IL WELLS ILPW41335

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41335	Driller:	Not Reported
Owner:	W JOHANSEN	Permit:	Not Reported
Date drilled:	02/08/1934	Record type:	RG
Depth:	130	Well Type:	~~
Well Use:	Domestic		
Aquifer type:	~~		

**O54
East
1/2 - 1 Mile
Lower**

IL WELLS ILSG30000117312

Database:	Water Well Records	API #:	120893368300
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Poplar Creek Outlet Sewe	Well:	TB-3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Driller:	Hurley, Claude	Date Drilled:	0
Elevation:	718	Elevation Reference:	Not Reported
Total Depth:	39	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

P55
West
1/2 - 1 Mile
Higher

IL WELLS ILSG30000117306

Database:	Water Well Records	API #:	120893367700
IL State Water Survey P #:	0	Status:	Outcrop
Well Name:	Prairie Materials Yar	Well:	SM-98-1
Driller:	Not Reported	Date Drilled:	0
Elevation:	775	Elevation Reference:	Not Reported
Total Depth:	0	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

P56
West
1/2 - 1 Mile
Higher

IL WELLS ILSG30000118731

Database:	Water Well Records	API #:	120893512900
IL State Water Survey P #:	0	Status:	Water Well Test Hole
Well Name:	Elgin	Well:	E-15
Driller:	Layne-Western Co.	Date Drilled:	19741016
Elevation:	772	Elevation Reference:	Topographic map
Total Depth:	80	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

57
WSW
1/2 - 1 Mile
Higher

IL WELLS ILSG30000118672

Database:	Water Well Records	API #:	120893506600
IL State Water Survey P #:	0	Status:	Stratigraphic Test
Well Name:	Elgin Golf Course Borings	Well:	B-7
Driller:	Patrick Engineering	Date Drilled:	2000 8 1
Elevation:	758	Elevation Reference:	Not Reported
Total Depth:	34	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

O58
East
1/2 - 1 Mile
Lower

IL WELLS ILSG30000117313

Database:	Water Well Records	API #:	120893368400
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Poplar Creek Outlet Sewe	Well:	TB-4
Driller:	Hurley, Claude	Date Drilled:	0
Elevation:	702	Elevation Reference:	Not Reported
Total Depth:	24	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

Q59
East
1/2 - 1 Mile
Lower

IL WELLS ILSG30000117314

Database:	Water Well Records	API #:	120893368500
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Poplar Creek Outlet Sewe	Well:	TB-5
Driller:	Hurley, Claude	Date Drilled:	0
Elevation:	714	Elevation Reference:	Not Reported
Total Depth:	51	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

60
ESE
1/2 - 1 Mile
Lower

IL WELLS ILSG30000109371

Database:	Water Well Records	API #:	120892228800
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Elgin City	Well:	E-1
Driller:	Layne Western Co., Inc.	Date Drilled:	1974 7 1
Elevation:	720	Elevation Reference:	Ground level
Total Depth:	155	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	40		

R61
ESE
1/2 - 1 Mile
Lower

IL WELLS ILSG30000118534

Database:	Water Well Records	API #:	120893492800
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	DSM Desotech Facility CERCLIS	Driller:	Harding Lawson Associates
Well:	Not Reported	Elevation:	712
Date Drilled:	1994 1 1	Total Depth:	18
Elevation Reference:	Ground level	Top of Formation (ft):	0
Lithologic Formation:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bottom of Formation (ft): 0 Pump Flow (gal/min): 0

Q62
East
1/2 - 1 Mile
Lower

IL WELLS ILSG30000117315

Database:	Water Well Records	API #:	120893368600
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Poplar Creek Outlet Sewe	Well:	TB-6
Driller:	Hurley, Claude	Date Drilled:	0
Elevation:	700	Elevation Reference:	Not Reported
Total Depth:	41	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

R63
ESE
1/2 - 1 Mile
Lower

IL WELLS ILSG30000118537

Database:	Water Well Records	API #:	120893493100
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	DSM Desotech Facility CERCLIS	Driller:	Harding Lawson Associates
Well:	G107	Elevation:	706
Date Drilled:	1996 1 1	Total Depth:	20
Elevation Reference:	Ground level	Top of Formation (ft):	0
Lithologic Formation:	Not Reported	Pump Flow (gal/min):	0
Bottom of Formation (ft):	0		

R64
ESE
1/2 - 1 Mile
Lower

IL WELLS ILSG30000118535

Database:	Water Well Records	API #:	120893492900
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	DSM Desotech Facility CERCLIS	Driller:	Harding Lawson Associates
Well:	G105	Elevation:	711
Date Drilled:	1996 1 1	Total Depth:	15
Elevation Reference:	Ground level	Top of Formation (ft):	0
Lithologic Formation:	Not Reported	Pump Flow (gal/min):	0
Bottom of Formation (ft):	0		

S65
ESE
1/2 - 1 Mile
Lower

IL WELLS ILSG30000118538

Database:	Water Well Records	API #:	120893493200
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	DSM Desotech Facility CERCLIS	Driller:	Harding Lawson Associates
Well:	G108	Elevation:	707
Date Drilled:	1996 1 1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation Reference:	Ground level	Total Depth:	17
Lithologic Formation:	Not Reported	Top of Formation (ft):	0
Bottom of Formation (ft):	0	Pump Flow (gal/min):	0

66
ENE
1/2 - 1 Mile
Higher

IL WELLS ILSG30000107500

Database:	Water Well Records	API #:	120890037600
IL State Water Survey P #:	342597	Status:	Engineering Test
Well Name:	Fa 6 Bridge	Well:	3
Driller:	IL Dept. of Transportation		
Date Drilled:	1958 4 1	Elevation:	761
Elevation Reference:	Ground level	Total Depth:	41
Lithologic Formation:	Not Reported	Top of Formation (ft):	0
Bottom of Formation (ft):	0	Pump Flow (gal/min):	0

S67
ESE
1/2 - 1 Mile
Lower

IL WELLS ILSG30000118536

Database:	Water Well Records	API #:	120893493000
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	DSM-Desotech Facility CERCLIS		
Well:	G106	Driller:	Harding Lawson Associates
Date Drilled:	1996 1 1	Elevation:	710
Elevation Reference:	Ground level	Total Depth:	17
Lithologic Formation:	Not Reported	Top of Formation (ft):	0
Bottom of Formation (ft):	0	Pump Flow (gal/min):	0

T68
East
1/2 - 1 Mile
Lower

IL WELLS ILPW41331

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41331	Driller:	MEADOW EQUIPMENT
Owner:	WOODLAND LANDFILL	Permit:	Not Reported
Date drilled:	12/02/1987	Record type:	A
Depth:	90	Well Type:	--
Well Use:	Commerical		
Aquifer type:	--		

T69
East
1/2 - 1 Mile
Lower

IL WELLS ILPW41330

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41330	Driller:	MEADOW EQUIPMENT
Owner:	WOODLAND LANDFILL	Permit:	Not Reported
Date drilled:	12/02/1987		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth:	57	Record type:	A
Well Use:	Commerical	Well Type:	--
Aquifer type:	--		

70
SSE
1/2 - 1 Mile
Higher

IL WELLS ILPW41333

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41333	Driller:	Not Reported
Owner:	JOHN W HUGHES	Permit:	Not Reported
Date drilled:	00/00/0000	Record type:	C
Depth:	150	Well Type:	--
Well Use:	Domestic		
Aquifer type:	~~		

S71
ESE
1/2 - 1 Mile
Lower

IL WELLS ILSG30000118540

Database:	Water Well Records	API #:	120893493400
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	DSM Desotech Facility CERCLIS	Driller:	Harding Lawson Associates
Well:	G111	Elevation:	707
Date Drilled:	1997 1 1	Total Depth:	25
Elevation Reference:	Ground level	Top of Formation (ft):	0
Lithologic Formation:	Not Reported	Pump Flow (gal/min):	0
Bottom of Formation (ft):	0		

72
NE
1/2 - 1 Mile
Lower

IL WELLS ILPW41323

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41323	Driller:	S B GEIGER
Owner:	ELGIN WATCH CO	Permit:	Not Reported
Date drilled:	00/00/1944	Record type:	RGC
Depth:	566	Well Type:	--
Well Use:	Commerical		
Aquifer type:	~~		

U73
East
1/2 - 1 Mile
Lower

IL WELLS ILSG30000107898

Database:	Water Well Records	API #:	120890078600
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	City Well	Well:	5
Driller:	Kelly Co., Inc.	Date Drilled:	0
Elevation:	0	Elevation Reference:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total Depth:	101	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

U74
East
1/2 - 1 Mile
Lower

IL WELLS ILSG30000107972

Database:	Water Well Records	API #:	120890088300
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	St Charles St Well	Well:	Not Reported
Driller:	Kelly Co., Inc.	Date Drilled:	0
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	117	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

V75
ESE
1/2 - 1 Mile
Lower

IL WELLS ILSG30000118539

Database:	Water Well Records	API #:	120893493300
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	DSM Desotech Facility CERCLIS	Driller:	Harding Lawson Associates
Well:	G110	Elevation:	709
Date Drilled:	1997 1 1	Total Depth:	22
Elevation Reference:	Ground level	Top of Formation (ft):	0
Lithologic Formation:	Not Reported	Pump Flow (gal/min):	0
Bottom of Formation (ft):	0		

76
West
1/2 - 1 Mile
Higher

IL WELLS ILSG30000117327

Database:	Water Well Records	API #:	120893369800
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Elgin Sludge Disp Facilit	Well:	B-8
Driller:	STS Consultants, Ltd.	Date Drilled:	1979 1 1
Elevation:	766	Elevation Reference:	Not Reported
Total Depth:	79	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

W77
ENE
1/2 - 1 Mile
Higher

IL WELLS ILPW41322

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41322	Driller:	THORN AND GEINGER
Owner:	ELGIN WATCH CO		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date drilled:	00/00/1938	Permit:	Not Reported
Depth:	1222	Record type:	RG
Well Use:	Commerical	Well Type:	~~
Aquifer type:	~~		

**W78
ENE
1/2 - 1 Mile
Higher**

IL WELLS ILPW41321

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41321	Driller:	Not Reported
Owner:	ELGIN WATCH CO	Permit:	Not Reported
Date drilled:	00/00/1934	Record type:	RG
Depth:	530	Well Type:	~~
Well Use:	Commerical		
Aquifer type:	~~		

**X79
ESE
1/2 - 1 Mile
Lower**

IL WELLS ILPW41329

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41329	Driller:	O'BRIEN
Owner:	MCGRAW ELECTRIC CO	Permit:	Not Reported
Date drilled:	00/00/1941	Record type:	RG
Depth:	290	Well Type:	~~
Well Use:	IN		
Aquifer type:	~~		

**80
SE
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000118501

Database:	Water Well Records	API #:	120893489500
IL State Water Survey P #:	346513	Status:	Water Well
Well Name:	Welch, David D.	Well:	Not Reported
Driller:	John A. Jablonski	Date Drilled:	20021129
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	205	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	10		

**81
SE
1/2 - 1 Mile
Lower**

IL WELLS ILSG30000119283

Database:	Water Well Records	API #:	120893568300
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Elgin Road District	Well:	1
Driller:	IL Department of Transportation		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date Drilled:	1986 412	Elevation:	708
Elevation Reference:	Ground level	Total Depth:	55
Lithologic Formation:	Not Reported	Top of Formation (ft):	0
Bottom of Formation (ft):	0	Pump Flow (gal/min):	0

82
WNW
1/2 - 1 Mile
Higher

IL WELLS ILSG30000118670

Database:	Water Well Records	API #:	120893506400
IL State Water Survey P #:	0	Status:	Stratigraphic Test
Well Name:	Elgin Golf Course Borings	Well:	B-5
Driller:	Patrick Engineering	Date Drilled:	2000 8 1
Elevation:	817	Elevation Reference:	Not Reported
Total Depth:	50	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

83
East
1/2 - 1 Mile
Lower

IL WELLS ILSG30000120122

Database:	Water Well Records	API #:	120893652600
IL State Water Survey P #:	436321	Status:	Water Well
Well Name:	Healy Const. Services, Inc.	Driller:	Neely, Mark S.
Well:	Not Reported	Elevation:	729
Date Drilled:	20071018	Total Depth:	160
Elevation Reference:	Not Reported	Top of Formation (ft):	142
Lithologic Formation:	gravel	Pump Flow (gal/min):	0
Bottom of Formation (ft):	146		

X84
ESE
1/2 - 1 Mile
Lower

IL WELLS ILSG30000107975

Database:	Water Well Records	API #:	120890088600
IL State Water Survey P #:	70770	Status:	Water Well
Well Name:	McGraw Electric Co	Well:	Not Reported
Driller:	O'Brien, Edward S.	Date Drilled:	1939 1 1
Elevation:	725	Elevation Reference:	Topographic map
Total Depth:	290	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

V85
ESE
1/2 - 1 Mile
Lower

IL WELLS ILSG30000117316

Database:	Water Well Records	API #:	120893368700
IL State Water Survey P #:	0	Status:	Engineering Test

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Name:	Poplar Creek Outlet Sewe	Well:	TB-9
Driller:	Hurley, Claude	Date Drilled:	0
Elevation:	717	Elevation Reference:	Not Reported
Total Depth:	31	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

86
SW
1/2 - 1 Mile
Higher

IL WELLS ILPW41348

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41348	Driller:	Not Reported
Owner:	AMANDA GULICK	Permit:	Not Reported
Date drilled:	02/13/1934	Record type:	RG
Depth:	300	Well Type:	~~
Well Use:	Domestic		
Aquifer type:	~~		

87
NNE
1/2 - 1 Mile
Lower

IL WELLS ILSG30000118610

Database:	Water Well Records	API #:	120893500400
IL State Water Survey P #:	0	Status:	Outcrop
Well Name:	Valley wall slope	Well:	E-37
Driller:	Unknown	Date Drilled:	1927 1 1
Elevation:	715	Elevation Reference:	Ground level
Total Depth:	8	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

88
WSW
1/2 - 1 Mile
Higher

IL WELLS ILSG30000117325

Database:	Water Well Records	API #:	120893369600
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Elgin Sludge Disp Facilit	Well:	B-6
Driller:	STS Consultants, Ltd.	Date Drilled:	1979 1 1
Elevation:	782	Elevation Reference:	Not Reported
Total Depth:	82	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Y89
East
1/2 - 1 Mile
Lower

IL WELLS ILSG30000107304

Database:	Water Well Records	API #:	120890017100
IL State Water Survey P #:	406497	Status:	Water Well
Well Name:	Elgin City Well	Well:	3
Driller:	Neely Cliff L	Date Drilled:	0
Elevation:	760	Elevation Reference:	Ground level
Total Depth:	1255	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

90
NNE
1/2 - 1 Mile
Lower

IL WELLS ILPW41324

Database:	Illinois Private Well Database and PICS	2nd ID:	Not Reported
Well ID:	41324	Driller:	THORN AND GEINGER
Owner:	ELGIN WATCH CO	Permit:	Not Reported
Date drilled:	00/00/1937	Record type:	RGC
Depth:	1231	Well Type:	~~
Well Use:	Commerical		
Aquifer type:	~~		

Y91
East
1/2 - 1 Mile
Lower

FED USGS USGS40000299879

Organization ID:	USGS-IL	Organization Name:	USGS Illinois Water Science Center
Monitor Location:	41N 8E-24.3b1	Type:	Well
Description:	Not Reported	HUC:	07120006
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	195311
Well Depth:	1255	Well Depth Units:	ft
Well Hole Depth:	1255	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1954-03-12
Feet below surface:	192.00	Feet to sea level:	Not Reported
Note:	Not Reported		

92
West
1/2 - 1 Mile
Higher

IL WELLS ILSG30000117326

Database:	Water Well Records	API #:	120893369700
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Elgin Sludge Disp Facilit	Well:	B-7

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Driller:	STS Consultants, Ltd.	Date Drilled:	1979 1 1
Elevation:	772	Elevation Reference:	Not Reported
Total Depth:	52	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

East
1/4 - 1/2 Mile

OIL_GAS ILOG10000355731

API #:	120892613300	Date Completed:	10-SEP-80
Status:	Stratigraphic Test		
Permit #:	0	Permit Date:	null
Status:	Stratigraphic Test	Max Depth:	61
Formation:	Not Reported	Company Name:	D & G Drilling Co., Inc.
Well Name:	Kane Co Forest Preserve Dist	Well #:	0
Elevation:	710	Logs:	SPSP
Completion Date:	Sep 10, 1980 00:00:00	Elevation Reference:	Ground Level

2

WSW
1/4 - 1/2 Mile

OIL_GAS ILOG10000406791

API #:	120893506700	Date Completed:	01-AUG-00
Status:	Stratigraphic Test		
Permit #:	0	Permit Date:	null
Status:	Stratigraphic Test	Max Depth:	42
Formation:	Not Reported	Company Name:	Patrick Engineering
Well Name:	Elgin Golf Course Borings	Well #:	0
Elevation:	783	Logs:	null
Completion Date:	Aug 01, 2000 00:00:00	Elevation Reference:	null

3

WNW
1/2 - 1 Mile

OIL_GAS ILOG10000406786

API #:	120893506500	Date Completed:	01-AUG-00
Status:	Stratigraphic Test		
Permit #:	0	Permit Date:	null
Status:	Stratigraphic Test	Max Depth:	35
Formation:	Not Reported	Company Name:	Patrick Engineering
Well Name:	Elgin Golf Course Borings	Well #:	0
Elevation:	768	Logs:	null
Completion Date:	Aug 01, 2000 00:00:00	Elevation Reference:	null

4

WSW
1/2 - 1 Mile

OIL_GAS ILOG10000406798

API #:	120893506600	Date Completed:	01-AUG-00
Status:	Stratigraphic Test		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit #:	0	Permit Date:	null
Status:	Stratigraphic Test	Max Depth:	34
Formation:	Not Reported	Company Name:	Patrick Engineering
Well Name:	Elgin Golf Course Borings	Well #:	0
Elevation:	758	Logs:	null
Completion Date:	Aug 01, 2000 00:00:00	Elevation Reference:	null

5
WNW
1/2 - 1 Mile

OIL_GAS ILOG10000406785

API #:	120893506400	Date Completed:	01-AUG-00
Status:	Stratigraphic Test		

Permit #:	0	Permit Date:	null
Status:	Stratigraphic Test	Max Depth:	50
Formation:	Not Reported	Company Name:	Patrick Engineering
Well Name:	Elgin Golf Course Borings	Well #:	0
Elevation:	817	Logs:	null
Completion Date:	Aug 01, 2000 00:00:00	Elevation Reference:	null

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: IL Radon

Radon Test Results

Zipcode	Result
60123	2.4
60123	2.4
60123	3.3
60123	5.4
60123	1
60123	10.4
60123	3.4
60123	0
60123	0.6
60123	3.4
60123	10.7
60123	4.2
60123	2.9
60123	1.4
60123	2.3
60123	0.9
60123	9.6
60123	9.1
60123	0.7
60123	0.9
60123	4.1
60123	1.4
60123	1.4
60123	11.1
60123	1.7
60123	5.8
60123	1.6
60123	0.9
60123	1.8
60123	2.6
60123	1.4
60123	1.9
60123	7.5
60123	10
60123	9
60123	1.5
60123	16
60123	23.3
60123	5.8
60123	2.9
60123	1.8
60123	2.1
60123	16.3
60123	2
60123	1.8
60123	6.7
60123	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	1.7
60123	2.4
60123	3.8
60123	3.2
60123	0.4
60123	14.9
60123	2
60123	0.5
60123	1.3

Federal EPA Radon Zone for KANE County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 60123

Number of sites tested: 2

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area - 1st Floor	0.900 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	10.800 pCi/L	0%	100%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Illinois State Geological Survey

Telephone: 217-333-4747

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Oil and Gas Wells Listing

Source: Illinois State Geological Survey

Telephone: 217-333-5109

Oil and gas wells location points from the Illinois State Geological Survey database.

Water Well Records

Source: Illinois Geological Survey

Telephone: 217-333-4747

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)

Source: Illinois State Water Survey

Telephone: 217-333-9043

Water Well Location Information

Source: Illinois Environmental Protection Agency

Telephone: 217-782-0810

RADON

State Database: IL Radon

Source: Department of Nuclear Safety

Telephone: 217-785-9958

County Radon Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Appendix D

Regulatory Agency File and Records Review

Bureau of Air Permit Section
File Organization Cover Sheet

Source Name:	Elgin Mental Health Center
ID No.:	089 ⁴³⁸ 486 AAH
Application No.:	74 08 0024
Category:	03K Air Permit - Final
Item Date:	11/19/1998
Keyword:	
Comment:	
Part:	of

Submitted by: CLC

EPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

JAN 24 2017

REVIEWER: JKS



State of Illinois

ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director
217/782-2113

P. O. Box 19506, Springfield, IL 62794-9506

LIFETIME OPERATING PERMIT

EPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

PERMITTEE

Elgin Mental Health Center
Attn: Mr. Robert J. Zoller
750 South State Street
Elgin, Illinois 60123-7692

JAN 24 2017

REVIEWER: JKS

Application No.: 74080024
Applicant's Designation: BOILERS
Subject: Boilers Nos. 3, 4, 5 and 6
Date Issued: November 19, 1998
Location: South State Street, Elgin

I.D. No.: 089438AAH
Date Received: August 21, 1998
Expiration Date: See Condition 1.

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of:

Two (2) Wicker (#ASME5694) Natural Gas Fired Boilers, and
Two (2) Lasker (#582 and #583) Natural Gas/fuel Oil Backup Boilers

pursuant to the above-referenced application. This permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This permit shall expire 180 days after the Illinois EPA sends a written request for the renewal of this permit.
- b. This permit shall terminate if it is withdrawn or is superseded by a revised permit.
- 2a. The Permittee shall not operate no more than two (2) boilers at a time during any given time period.
- b. Natural gas shall be the primary fuel combusted in the above referenced boilers. Distillate fuel oil with maximum sulfur content of 0.3% by weight may be used as a standby fuel subject to limitations specified below.
- c. Organic liquid by-products or waste materials shall not be combusted in the aforementioned boiler without written permission from this Agency.
- d. The Agency shall be allowed to sample all fuels stored at the above location.
- 3a. Emissions and operation of the boilers shall not exceed following limits:

<u>Natural Gas Usage</u> (10 ⁶ scf/Yr)	<u>Pollutant</u>	<u>Emission Rate</u> (Lb/mmscf)	<u>Emissions</u> (Tons/Yr)
350	NO _x	140.0	24.5
	CO	35.0	6.1
	VOM	5.8	1.0
	PM	6.2	1.1
	SO ₂	0.6	0.1

- b. Distillate fuel oil usage for the boilers shall not exceed 20,000 gal/yr.
- c. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
4. The Permittee shall maintain records of the following items, and such other items as may be appropriate to allow the Agency to review compliance with the limits in this permit:
 - a. Natural gas usage (10⁶ scf/month and 10⁶ scf/year).
 - b. Distillate fuel oil usage (gal/month and gal/year).
5. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.
6. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
7. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
 Division of Air Pollution Control
 Compliance Section (#40)
 P.O. Box 19276
 Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Eisenhower Tower
1701 South First Avenue
Maywood, Illinois 60153

8. Persons with lifetime operating permits must obtain a revised permit for any of the following changes at the source:
- a. An increase in emissions above the amount the emission unit or the source is permitted to emit;
 - b. A modification;
 - c. A change in operations that will result in the source's noncompliance with conditions in the existing permit; or
 - d. A change in ownership, company name, or address, so that the application or existing permit is not longer accurate.

It should be noted that in response to the request concerning a Federally Enforceable State Operating Permit (FESOP), the Agency has determined that the potential to emit for your facility appears to be below major threshold levels and that the facility is not subject to the new Clean Air Act permitting requirements at this time. A FESOP is also not required.

If you have any questions on this, please call John Blazis at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:JPB:jar

cc: Region 1

COPY

Original Signed by
Donald E. Sutton, P. E.

HS
JAB 4/19/98



STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL
P.O. BOX 19506
SPRINGFIELD, IL 62794-9506

**STANDARD CONDITIONS
FOR
LIFETIME OPERATING PERMITS**

July 1, 1998

The Illinois Environmental Protection Act [415 ILCS 5/39 (formerly Illinois Revised Statutes, Chapter 111-1/2, Section 1039)] grants the Illinois Environmental Protection Agency authority to impose conditions on permits which it issues.

1. The issuance of this Permit does not release the Permittee from compliance with state and federal regulations which are part of the Illinois State Implementation Plan, as well as with other applicable statutes and regulations of the United States or the State of Illinois, or with applicable local laws, ordinances and regulations.
2. The Illinois EPA has issued this Permit based upon the information submitted by the Permittee in the permit application. Any misinformation, false statement or misrepresentation in the application shall be grounds for the revocation under 35 Ill. Adm. Code 201.166.
3.
 - a. The Permittee shall not authorize, cause, direct or allow any modification as defined in 35 Ill. Adm. Code 201.102, of equipment, operations or practices which are reflected in the permit application as submitted, until the appropriate permit is obtained from the Illinois EPA.
 - b. The Permittee shall obtain a new or revised permit under Section 39.5 of the Act, if the source no longer meets the applicability criteria of 35 Ill. Adm. Code 201.169 because of changes in emissions units or control equipment.
 - c. The Permittee shall obtain a revised permit prior to any of the following changes at the source:
 - i. An increase in emissions above the amount the emission unit or the source is permitted to emit; or
 - ii. A modification; or
 - iii. A change in operations that will result in the source's noncompliance with a condition in the existing permit; or
 - iv. A change in ownership, company name, or address, so that the application or existing permit is no longer accurate.
4.
 - a. This Permit only covers emission units and control equipment while physically present at the indicated source location. Unless the Permit specifically provides for equipment relocation, this Permit is void for an item of equipment on the day it is removed from the permitted location, or if all equipment is removed.
 - b. The Permittee shall notify the Illinois EPA in writing to withdraw the Permit if all operations at the source have been permanently discontinued.

5. The Permittee shall allow any duly authorized agent of the Illinois EPA, upon the presentation of credentials, at reasonable times:
 - a. To enter the Permittee's property where actual or potential effluent, emission or noise units are located or where any activity is to be conducted, pursuant to this Permit;
 - b. To have access to and to copy any records required to be kept under the terms and conditions of this Permit;
 - c. To inspect, including during any hours of operation of equipment constructed or operated under this Permit, such equipment and any equipment required to be kept, used, operated, calibrated and maintained under this Permit;
 - d. To obtain and remove samples of any discharge or emission of pollutants; and
 - e. To enter and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring or recording any activity, discharge or emission authorized by this Permit.
6. The issuance of this Permit:
 - a. Shall not be considered as in any manner affecting the title of the premises upon which the permitted source is located;
 - b. Does not release the Permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the source;
 - c. Does not take into consideration or attest to the structural stability of any unit or part of the project; and
 - d. In no manner implies or suggests that the Illinois EPA (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the equipment or source.
7. The Permittee shall maintain all equipment at the source covered under this Permit in such a manner that the performance of such equipment shall not cause a violation of the Environmental Protection Act or regulations promulgated thereunder.
8. The Permittee shall maintain a maintenance record on the premises for each item of air pollution control equipment. This record shall be made available to any agent of the Illinois EPA at any time during normal working hours and/or operating hours. As a minimum, this record shall show the dates of performance and nature of preventative maintenance activities.
9. No person shall cause or allow startup of any emission unit or continued operation during malfunction or breakdown of any emission unit or related air pollution control equipment if such startup or continued operation would cause a violation of an applicable emission standard or permit limitation if such operation is not allowed as a special condition of this Permit, as required by 35 Ill. Adm. Code 201.149.
10. The Permittee shall submit an Annual Emission Report as required by 35 Ill. Adm. Code 201.302 and 35 Ill. Adm. Code Part 254.
11. The Permittee shall pay the annual site fee for the source in accordance with Section 9.5 of the Act.

CALCULATION SHEET

Facility: ELGIN MENTAL HEALTH CENTER **ID:** 089438AAH

Anal. Eng.: JPB **Date:** 11/16/98 **P.N.:** 74080024

Rev. Eng.: **Date:** **Date Rec.:** 08/21/98

This application is for renewal of the permit for 4 boilers.

NO -QRPT, LEGAL, Flag, CROPA, NSPS, NESHAP, FUG, TOX

FACILITY - Steam heating plant.

4 boilers

2 use distillate oil backup

only 2 boilers run at one time.

**The fuel usage is limited to 350 scf/yr natural gas
and 20,000 gallons/yr distillate oil**

Recommend: **Grant lifetime operating permit with conditions.**

EIS - no changes needed



Elgin Mental Health Center

750 South State Street
Elgin, Illinois 60123-7692

JCAHO Accredited with Commendation
1993-1996 and 1996-1999

J.W. Holcomb, MPA, Metro Suburban Network Manager

Nancy Staples, MS, Hospital Administrator

RECEIVED

AUG 21 1998

EPA - DAPC - SPFLD

August 18, 1998

Illinois Environmental Protection Agency,
Permit Section
Division of Air Pollution Control
P.O. Box 19506
Springfield, Illinois 62794-9506

RE: Application for Lifetime Operating Permit
Renewal, Elgin Mental Health Center,
Application # 74080024 I.D. # 089438AAH

Dear Sirs:

Enclosed is our application for renewal as per your correspondence of July 24, 1998. Please contact me if any further information is needed.

We appreciate your efforts on behalf of this facility.

Sincerely,

Robert Zeller
Chief Engineer

Attachments (2)

cc: R. Landwehr
C. Aschenbrenner
B. Grisham
File (Boiler Permits E.P.A.)

PERMIT REVIEW TRAVELER SHEET

JMS
NOT REQUIRED

I.D. # 089438AAH Company Name Elgin Center - Dept. of Mental Health Date Rec'd 8/21/98
 Appl. # 74080024 Location Elgin Analyst _____
 LEGAL _____ FOS FLAG _____ CROPA _____ NSP/SHAP _____ M&M _____ TOXICS _____
 CAAPP FESOP OPERATING PERMIT APP. CONSTRUCTION PERMIT APP. JOINT CONSTRUCTION/OPERATION APP.
 I/O Date/Initial 8/25/98 (ms)

Project Emissions Data (Tons/Year)

S02	NOx	TSP	VOM	CO	OTHER	Is Project Subject to NSPS/NESHAP:	<input type="checkbox"/> Yes <input type="checkbox"/> No
						Is Project a Major Source or Major Modification:	<input type="checkbox"/> Yes <input type="checkbox"/> No
POT	- If Yes, Complete Major Source Traveler Sheet					Is A public Comment Period Required:	<input type="checkbox"/> Yes <input type="checkbox"/> No
ACT	- If Yes, Complete Public Participation Section					Could Project Be Significant Under Crop:	<input type="checkbox"/> Yes <input type="checkbox"/> No
						- If Yes, Complete CROPA Section	<input type="checkbox"/> Yes <input type="checkbox"/> No

Project Emissions Recorded _____ Date _____ Init. _____ Emission Credits Recorded _____ Date _____ Init. _____

CROPA/FESOP Notif. Proj. Summary To/From: BOL _____ PWS _____ WPC _____ DLC _____ USEPA _____
 CAAPP Tracking

Reply From: BOL _____	<input type="checkbox"/> Significant	PWS _____	<input type="checkbox"/> Significant	BOW _____	<input type="checkbox"/> Significant
	<input type="checkbox"/> Not Sign.		<input type="checkbox"/> Not Sign.		<input type="checkbox"/> Not Sign.
DLC _____	<input type="checkbox"/> Significant	USEPA _____	<input type="checkbox"/> Significant		<input type="checkbox"/> Not Sign.
	<input type="checkbox"/> Not Sign.		<input type="checkbox"/> Not Sign.		

CROPA is Not Applicable/Applicable to this Project
 CPR Project Coordinator: _____ Division: _____

<u>Public Participation</u>	DATE	DATE
Memo to Community Relations Group	_____	Comment Period Completed _____
Comment Period Initiated	_____	Comments/Hearing Records Reviewed _____
Public Hearing Req./Not Req. If Req. Public Hearing Date	_____	Public Participation Completed _____

Review Action Applicability Determ. Form Completed

Special Reviews Requested of: _____

	Analyst	Unit Mgr.	Special Rev.
<input type="checkbox"/> Completeness/ Incompleteness	_____	_____	_____
<input type="checkbox"/> Confidential Review	_____	_____	_____
<input type="checkbox"/> Request Add'l Info.	_____	_____	_____
<input type="checkbox"/> Permit Not Required	_____	_____	_____
<input type="checkbox"/> Reject	_____	_____	_____
<input type="checkbox"/> Deny	_____	_____	_____
<input checked="" type="checkbox"/> Grant	<u>JPB 11/17/98</u>	<u>KW 11/17/98</u>	_____

Forms:

Mail-Out District USEPA Health Depart _____ Enf Public Participation List _____
 Cook County Other Compliance - Gary Beckstead
 Date: 11-19-98 Init. B.E. Date: _____ Init. _____



State of Illinois

ENVIRONMENTAL PROTECTION AGENCY

089438 AAH
74 080024

Mary A. Gade, Director

P. O. Box 19506, Springfield, IL 62794-9506

July 24, 1998

APPLICATION FOR LIFETIME OPERATING PERMIT RENEWAL

Elgin Center-Dept. Of Mental Health
750 S. State Street
Elgin, IL 60120

Application Number : 74080024

I.D. Number : 089438AAH

Operation of : Boilers Nos. 3,4,5 And 6

Location : Elgin Center-Dept. Of Mental Health
750 S. State Street
Elgin, IL 60120

The above referenced operating permit will expire on January 05, 1999. The Illinois EPA recommends that you apply for a renewal of this operating permit at least ninety (90) days prior to its expiration.

The Environmental Protection Act was amended in August 1997 to allow the Illinois EPA to issue Lifetime Operating Permits (operating permits without an expiration date) for sources that are not required to apply for a Clean Air Act Permit Program (CAAPP) or Federally Enforceable State Operating Permit (FESOP) permit.

According to our records, your Source is a candidate to receive a lifetime permit. Once a lifetime permit is issued to your Source all valid operating permits for the above indicated I.D. number will be incorporated into the application number indicated above, unless otherwise specified in item 9(a) on the enclosed APC-205 form.

If the Source operation(s) is unchanged, you may request to renew your permit by completing the enclosed application for "Renewal of an Operating Permit" - APC-205. If the operation(s) is not as described in the application(s) on file (i.e. emission units are discontinued, etc.), then you must describe all changes in the operation(s) as part of your renewal application. To assist you in preparing your application, a "Request for Permit Forms" - APC-209 is enclosed.

If the operation has been permanently discontinued, please send a letter to the Illinois EPA requesting withdrawal of the permit. If there has been a change of ownership, proper documentation must be submitted to allow transfer of permit(s).

If you have any questions or require assistance, please contact a Permit Analyst at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control



State of Illinois

ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director

P. O. Box 19506, Springfield, IL 62794-9506

July 24, 1998

APPLICATION FOR LIFETIME OPERATING PERMIT RENEWAL

Elgin Center-Dept. Of Mental Health
750 S. State Street
Elgin, IL 60120

Application Number : 74080024

I.D. Number : 089438AAH

Operation of : Boilers Nos. 3,4,5 And 6

Location : Elgin Center-Dept. Of Mental Health
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If you have any questions or require assistance, please contact a Permit Analyst at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control



STATE OF ILLINOIS
 ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF AIR POLLUTION CONTROL
 P. O. BOX 19506
 SPRINGFIELD, ILLINOIS 62794-9506

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

APPLICATION FOR RENEWAL OF AN OPERATING PERMIT TO OBTAIN A LIFETIME PERMIT OPERATION OF: <u>Boilers No's 3, 4, 5 and 6</u> (A) (SAME AS 9c ON PAGE 2)	FOR AGENCY USE ONLY
	I.D. NO. _____
	PERMIT NO. _____
	DATE _____

1a. NAME OF OWNER: Illinois Department of Human Services	2a. NAME OF OPERATOR: Elgin Mental Health Center		
1b. STREET ADDRESS OF OWNER: 100 N. Ninth Street	2b. STREET ADDRESS OF OPERATOR: 750 So. State Street		
1c. CITY OF OWNER: Springfield	2c. CITY OF OPERATOR: Elgin		
1d. STATE OF OWNER: Illinois	1e. ZIP CODE: 62765	2d. STATE OF OPERATOR: Illinois	2e. ZIP CODE: 60123

3a. NAME OF CORPORATE DIVISION OR PLANT: Elgin Mental Health Center	3b. STREET ADDRESS OF EMISSION SOURCE: 750 South State			
3c. CITY OF EMISSION SOURCE: Elgin	3d. LOCATED WITHIN CITY LIMITS: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3e. TOWNSHIP: Elgin	3f. COUNTY: Kane	3g. ZIP CODE: 60123

4. ALL CORRESPONDENCE TO: (TITLE AND/OR NAME OR INDIVIDUAL) Robert Zoller, Chief Engineer	5. TELEPHONE NUMBER FOR AGENCY TO CALL: 847-742-1040 Xt. 2562
6. ADDRESS FOR CORRESPONDENCE: (CHECK ONLY ONE) <input type="checkbox"/> OWNER <input checked="" type="checkbox"/> OPERATOR <input type="checkbox"/> EMISSION SOURCE	7. YOUR DESIGNATION FOR THIS APPLICATION: (B) <u>B O I L E R S</u>

8. THE UNDERSIGNED HEREBY MAKES APPLICATION FOR A PERMIT AND CERTIFIES THAT THE STATEMENTS CONTAINED HEREIN ARE TRUE AND CORRECT, AND FURTHER CERTIFIES THAT ALL PREVIOUSLY SUBMITTED INFORMATION REFERENCED IN THIS APPLICATION REMAINS TRUE, CORRECT AND CURRENT. BY AFFIXING HIS SIGNATURE HERETO HE FURTHER CERTIFIES THAT HE IS AUTHORIZED TO EXECUTE THIS APPLICATION.

RECEIVED

AUTHORIZED SIGNATURE(S): (C) BY <u>Ben Grisham</u> <u>8/18/98</u> SIGNATURE DATE Ben Grisham TYPED OR PRINTED NAME OF SIGNER Regional Chief Engineer Dept. of Human Services TITLE OF SIGNER	BY <u>Robert Zoller</u> <u>AUG 21 1998 8/18/98</u> SIGNATURE DATE Robert Zoller TYPED OR PRINTED NAME OF SIGNER Chief Engineer Elgin Mental Health Center TITLE OF SIGNER
--	--

(A) THIS FORM IS TO PROVIDE THE AGENCY WITH GENERAL INFORMATION ABOUT THE EQUIPMENT TO BE OPERATED.

(B) PROVIDE A DESIGNATION IN ITEM 7 ABOVE WHICH YOU WOULD LIKE THE AGENCY TO USE FOR IDENTIFICATION OF YOUR EQUIPMENT. YOUR DESIGNATION WILL BE REFERENCED IN CORRESPONDENCE FROM THIS AGENCY RELATIVE TO THIS APPLICATION. YOUR DESIGNATION MUST NOT EXCEED TEN (10) CHARACTERS.

(C) THIS APPLICATION MUST BE SIGNED IN ACCORDANCE WITH 35 ILL. ADM. CODE 201.154 OR 201.159 WHICH STATES: "ALL APPLICATIONS AND SUPPLEMENTS THERETO SHALL BE SIGNED BY THE OWNER AND OPERATOR OF THE EMISSION SOURCE OR AIR POLLUTION CONTROL EQUIPMENT, OR THEIR AUTHORIZED AGENT, AND SHALL BE ACCOMPANIED BY EVIDENCE OF AUTHORITY TO SIGN THE APPLICATION."

IF THE OWNER OF OPERATOR IS A CORPORATION, SUCH CORPORATION MUST HAVE ON FILE WITH THE AGENCY A CERTIFIED COPY OF A RESOLUTION OF THE CORPORATION'S BOARD OF DIRECTORS AUTHORIZING THE PERSONS SIGNING THIS APPLICATION TO CAUSE OR ALLOW THE CONSTRUCTION OR OPERATION OF THE EQUIPMENT TO BE COVERED BY THE PERMIT.

(D) ALL CURRENT OPERATING PERMITS WILL BE INCORPORATED INTO THE EXPIRING PERMIT UNLESS ANOTHER OPERATING PERMIT NUMBER IS SPECIFIED IN ITEM 9(a).

DATA AND INFORMATION INCORPORATED BY REFERENCE FOR CURRENT OPERATING PERMIT

9a. APPLICATION NO.: 7 4 0 8 0 0 2 4

9b. I. D. NO.: 0 8 9 4 3 8 A A H

9c. OPERATION OF: BOILERS NO'S 3, 4, 5 and 6

9d. LOCATION: Elgin Mental Health Center
750 So. State Street Elgin Il. 60123

9e. PERMIT EXPIRATION DATE: January 5, 1999

9f. HAS THE OPERATION AS DESCRIBED IN THE REFERENCE OPERATING PERMIT BEEN MODIFIED* AS DEFINED IN RULE 101 OF THE PCB REGS., CHAPTER 2, PART 1? YES NO

9g. IF "YES" SUBMIT THE APPLICABLE FORMS OR DESCRIBE IN DETAIL THE MODIFICATION OF THE OPERATION.

9h. DATE THE OPERATION WAS MODIFIED:

10a. IF THE OPERATION IS SUBJECT TO A RULE WHOSE EFFECTIVE DATE IS ON OR BEFORE THE DATE OF THIS APPLICATION, IS SUCH OPERATION IN FULL COMPLIANCE WITH ALL SUCH RULES? YES NO

10b. IF "NO", EXPLAIN:

11. IF YOUR OPERATING PERMIT APPLICATION CONTAINS COMPLIANCE PROGRAM(S), HAS THIS COMPLIANCE PROGRAM BEEN COMPLETED AND HAVE ALL THE PROJECT COMPLETION REPORTS (APC-271) BEEN SUBMITTED? YES NO N/A

12a. ARE YOU IN COMPLIANCE WITH ALL CONDITIONS OF ALL REFERENCE PERMITS? YES NO

12b. IF "NO", EXPLAIN:

*MODIFICATION: ANY PHYSICAL CHANGE IN, OR CHANGE IN THE METHOD OF OPERATION, OF AN EMISSION SOURCE OR OF AIR POLLUTION CONTROL EQUIPMENT WHICH INCREASES THE AMOUNT OF ANY SPECIFIED AIR CONTAMINANT EMITTED BY SUCH SOURCE OR EQUIPMENT OR WHICH RESULTS IN THE EMISSION OF ANY SPECIFIED AIR CONTAMINANT NOT PREVIOUSLY EMITTED. IT SHALL BE PRESUMED THAT AN INCREASE IN THE USE OF RAW MATERIALS, THE TIME OF OPERATION, OR THE RATE OF PRODUCTION WILL CHANGE THE AMOUNT OF ANY SPECIFIED AIR CONTAMINANT EMITTED. NOT WITHSTANDING ANY OTHER PROVISIONS OF THIS DEFINITION, FOR PURPOSES OF PERMITS ISSUED PURSUANT TO RULE 103, THE AGENCY MAY SPECIFY CONDITIONS UNDER WHICH AN EMISSION SOURCE OR AIR POLLUTION CONTROL EQUIPMENT MAY BE OPERATED WITHOUT CAUSING A MODIFICATION AS HEREIN DEFINED, AND NORMAL CYCLICAL VARIATIONS, BEFORE THE DATE OPERATING PERMITS ARE REQUIRED, SHALL NOT BE CONSIDERED MODIFICATIONS. ,PCB REGS., CHAPTER 2, PART 1, RULE 101.

NOTE: TO INCORPORATE OTHER CONSTRUCTION PERMITS BY REFERENCE, ATTACH A LISTING OF SUCH PERMITS USING THE FORMAT SET FORTH IN ITEM 9 OR APC-210, "DATA AND INFORMATION -- INCORPORATION BY REFERENCE".



Illinois Environmental Protection Agency

089 438 5115 / ELGIN
ELGIN MENTAL HEALTH CENTER
LUST/TECH REPORT

P.O. Box 19276, Springfield, IL 62794-9276

INCIDENT OVERSIGHT TRANSFER

LEAKING UNDERGROUND STORAGE TANK

FROM: OCS-ERU TO: LPC-LUST

INCIDENT #: 891217

CITY: Elgin

COUNTY: Kane

BY (ERU): CUB

DATE: 7-18-89

RECEIVED
BY (LUST) AMD

DATE: JUL 18 1989

1. ERU to retain last carbon when sent and follow up if no reply in 5 working days.
2. LUST to return top copy to ERU, when signed as received.
3. LUST to retain remaining carbon in file.

SCREENED

8 9 1 2 1 7

IESDA INCIDENT ID

1. Caller: Gary Corkill
 2. Call back phone: 312/671-1580
 3. represents: Peter J. Hartmann
 caller notified:
 caller arrived:

ERU received: 11 50 7/12/89
 Duty Officer: Ralph Easter

4. Type of Incident: Fire Leak
 Explosion Water Involvement
 Gas or Vapor cloud Other
 Evacuation (# of)

18. On scene phone: 312/742-1040
 16. Contact: Bill Clapin
 17. No. injured: 0 Extent of:

5. Incident Location
 street ~~750 S. State~~ 750 S. State
 city Elgin In Near
 county Kane
 milepost RR River Hwy
 Sec. Twp. Range

Where taken:
 19. Public safety concerns: None noted by caller
 Haz-mat related

6. Area Involved: Highway Rail
 Waterway Other

20. What state assistance needed?
None requested by caller

7. Material(s) Involved: Gasoline

21. Weather: sunny overcast
 pty. cldy. rain snow
 Temp. OF Wind dir. speed mph.

Gas Liq. Semisolid Solid
 9. Label:
 Placard (UN/NA)
 radioactive I II III

22. PESTICIDE spill fire
 Where: soil water
 Damage: plants animals people

10. Container: Truck RR car Drum
 Above grd tank Pipeline
 2- Under grd tank Pipe Other
 container size: 550 gals.

23. Containment/cleanup action & plan:
removing tanks and contaminated soil

11. Amount released: unknown
 Rate of release: /min.

24. Responsible party: State of Illinois
 Elgin Mental Health Center

12. Cause of release: Corrosion

8. Contact: Bill Clapin
 Mailing address: 750 S. State
 Elgin, IL 60123
 phone: 312/742-1040

13. Estimated spill extent:
 square feet square yards

25. Incident terminated locally:
 Time:
 by whom:

14. Occurred:
 Discovered: 7/12/89

15. Local response units contacted
 Fire Elgin
 Sheriff
 Police
 Local ESDA
 Other SFM

On scene responders:
 Fire
 Sheriff
 Police
 local ESDA
 Other

City Elgin
 County Kane

Site Elgin Mental Health Center

8	9	1	2	1	7
---	---	---	---	---	---

INCIDENT TYPE
 Actual Potential

2. On Site Off Site Transportation

3. Air Storm Sewer
 Surface Water Sanitary Sewer
 PWS Inside Building
 Soil/Ground Water Impervious Surface

4. Abandoned Material HWF CSA LUST
 Open Burning Permit Oil Production
 Complaint Generated Agricultural
 PCB

Contractor For HWF _____

DISPOSAL

1. Verified
 2. Incomplete
 3. Not Necessary

PERMITS (#s)

1. _____ 4. _____
 2. _____ 5. _____
 3. _____ 6. _____

LETTERS

Type	Sent	Response Required	Response Received
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____

ENFORCEMENT

Ent Referral Notice Sent _____
 Ent Referral Date _____
 EDG Action _____

Drop Case
 Proceed with ent
 Actv. _____

DCI Referral _____

HEPA NOTIFICATIONS

Name Maywood Date 7/14/89
 Div _____

OUTSIDE NOTIFICATIONS

Agency	Name	Date
<input checked="" type="checkbox"/> IESDA	<u>Greg</u>	<u>7/14/89</u>
<input type="checkbox"/> IDPH		
<input type="checkbox"/> ISP		
<input type="checkbox"/> USEPA		
<input type="checkbox"/> BFM		
<input type="checkbox"/> MAM		
<input type="checkbox"/> DCI		
<input type="checkbox"/> NRC		
<input type="checkbox"/> IDOC		
<input type="checkbox"/> IDOT		
<input type="checkbox"/> IDNS		
<input type="checkbox"/> USCG		
<input type="checkbox"/> IDOL		
<input type="checkbox"/> IDOA		
<input type="checkbox"/>		
<input type="checkbox"/>		

EVIDENCE SAMPLES

Sample Type Taken By	Collected (Date)	To Lab (Date)	Results (Date)
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____

IESDA INCIDENT ID

Name	RESPONSE Telephone	On Scene
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

EVALUATION

1. HMAAB
 FOB D.O.
 ERU _____

2. CSA

Reviewed by _____ Date _____
 IESDA No. _____ Covered Facility _____
 IESD SIC _____ IMD SIC _____
 Chem sub-IESCA _____
 Significant _____ Determined _____ BY _____
 ACS to RP _____

Failure Report: Due _____ Rec'd _____

IESDA to IESDA Due _____
 Reviewer by /Ming/ Env. Prime _____
 IESDA to SBDA Sent _____
 SBDA to RP Due _____ Sent _____

Recovery/Loss Recovered Spillage NAK
 Unrecovered Loss To _____

Sanitary Sewer
 Surface Water Storm Sewer
 Air
 Environmentally sensitive area

Closing Date 7/19/89 by Andrew CLOSE

No action
 Clean closure
 Unrecoverable
 Referral to LR/LOST

EMERGENCY NOTIFICATION - SHORT FORM

EMERGENCY ACTION CENTER TO REGIONAL FIELD OFFICE

IESDA INCIDENT ID

8 9 1 2 1 7

COUNTY

K A N E

CITY

E I G I N

MATERIAL

Gasoline

QUANTITY

Unknown

POTENTIALLY RESPONSIBLE PARTY

Elgin Mental Health Center

ERU RESPONDED IN PERSON

INCIDENT TYPE

- FIRE LEAK OR SPILL EXPLOSION
 WATER INVOLVEMENT GAS OR VAPOR
 OTHER _____

ABANDONED

EVACUATION

LUST

FOS ACTION REQUESTED

Region

2

Received

by Koretta

Date 7/14/89 Time 1:49

Transmitted

by Cindy



STATE OF ILLINOIS

DEPARTMENT OF MENTAL HEALTH AND DEVELOPMENTAL DISABILITIES

Telephone: 312-742-1040

ELGIN MENTAL HEALTH CENTER
750 South State Street
Elgin, Illinois 60120

July 31, 1989

Illinois Environmental Protection Agency
Division of Land Pollution Control
Remedial Project Management Section
Leaking Underground Storage Tank Unit
2200 Churchill Road
P. O. Box 19276
Springfield, Illinois 62794-9276

0894385115/ELGIN
ELGIN MENTAL HEALTH CENTER
LUST/TELH REPORT

Refer To: Kane/Elgin...891217
Elgin Mental Health Center
750 So. State Street
Elgin, Illinois 60123

Dear Sirs:

The attached completed yellow copy of the Contingency Plan and the Generator's Waste Material Profile sheet are being forwarded to you as appropriate.

The Illinois Environmental Protection Agency Illinois Generator I.D. Number for the Elgin Mental Health Center is 0894385165. The contractor for the removal of these tanks was Peter J. Hartmann Company, 9200 King Street, Franklin Park, Illinois, 60131.

The tanks have been removed and permits applied for to remove soil. When the soil permits are obtained, soil remediation will be taken care of.

Very Truly Yours,

William M. Clanin
Administrative Assistant
Engineering Services

RECEIVED

AUG 4 1989

IEPA-DLPC

SCREENED



STATE OF ILLINOIS

DEPARTMENT OF MENTAL HEALTH AND DEVELOPMENTAL DISABILITIES

Telephone: 312-742-1040

ELGIN MENTAL HEALTH CENTER
750 South State Street
Elgin, Illinois 60120

July 31, 1989

Illinois Environmental Protection Agency
Division of Land Pollution Control
Remedial Project Management Section
Leaking Underground Storage Tank Unit
2200 Churchill Road
P. O. Box 19276
Springfield, Illinois 62794-9276

Refer To: Kane/Elgin...891217
Elgin Mental Health Center
750 So. State Street
Elgin, Illinois 60123

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Very Truly Yours,

William M. Clanin
Administrative Assistant
Engineering Services

Complete this form.

**Contingency Plan
Leaking Underground Storage Tank Problems**

City ELGIN ILLINOIS Incident # 891217
Site Name ELGIN MENTAL HEALTH CENTER
Address 750 S. STATE ST.
ELGIN ILLINOIS 60123
Site Phone 312-742-1040

Person representing the site with authority to approve remediation expenditures in an emergency
J. FRANK McCULLY, CHIEF ENGINEER
Phone 312-742-1040 EXT. 2562
After-hours Phone 312-741-1506

Contractor Hired for Tank Removal PETER J. HARTMANN COMPANY
Phone 312-671-1580
After-hours Phone 312-823-6134

Contractor Available for Emergency Response PETER J. HARTMANN COMPANY
Phone 312-671-1580
After-hours Phone 312-823-6134

In case of Additional Petroleum Product spillage or discovery of products or vapors in the
Sewers, Streams, and/or Buildings IMMEDIATELY Notify all the Following:

Local Fire Department	<u>ELGIN</u>	Phone	<u>312-695-6500</u>
Local Police Department	<u>ELGIN</u>	Phone	<u>312-695-6500</u>
Sewer Authority	<u>ELGIN SANITARY DIST</u>	Phone	<u>312-742-2068</u>
	After-Hours Phone		<u>312-742-2068</u>
Illinois Emergency Services and Disaster Agency and ask for the IEPA Duty Officer Phone 800/782-7860			

Confirm that the emergency contractor is available and willing to respond to this site. Then post the original in a prominent place for your employees and send the carbon to:

IEPA-ERU #29
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

Illinois Environmental Protection Agency — Emergency Response IEPA-ERU
Phone 217/782-3637



Chemical Waste Management, Inc.



GENERATOR'S WASTE MATERIAL PROFILE SHEET

MISCELLANEOUS SPECIAL WASTE

PLEASE PRINT IN INK OR TYPE (Ei/te, 12-pitch).



Waste Profile Sheet Code V 74390

CWM Location of Original: _____ (SHADED AREAS FOR CWM USE ONLY) CWM Sales Rep # _____

INSTRUCTIONS FOR COMPLETING THIS FORM ARE ATTACHED.

Return this form to: Clearing Disposal
3800 S. Laramie
Cicero, Illinois 60650
Zip Code: _____

A. GENERAL INFORMATION

1. Generator Name: Elgin Mental Health Center 2. Generator USEPA ID: Photo # 742-1040-
3. Facility Address: 1750 So State Street 4. Generator State ID: _____
Elgin, IL 60123
Mail Address: _____ 5. Zip Code: _____
6. Technical Contact: Gary Corbell 7. Title: _____ 8. Phone: () 671-1580

B. MAIL CHEMICAL WASTE MANAGEMENT, INC. INVOICES TO

1. Generating Facility (A, above), or
2. Company Name: Clearing Disposal 3. Phone: () _____
4. Address: 3800 S. Laramie
Cicero, IL 60650 5. Zip Code: _____

C. 1. NAME OF WASTE: Contaminated Waste
2. PROCESS GENERATING WASTE: Tank Removal

D. CLASSIFICATION OF WASTE MATERIAL AND SUPPLEMENTAL INFORMATION (from instructions)

1. This waste material is hazardous non-hazardous
2. The underground storage tank contained: gasoline
3. The soil is contaminated with: gasoline
4. Analytical information is submitted with this form.
5. Permit for disposal is requested.
6. Landfill site requested: C.I.D. 138th Colman Expressway

E. TRANSPORTATION INFORMATION

1. Is this a DOT Hazardous Material? Yes No 2. Anticipated Annual Volume/Units: 300 1 cu yds
3. Proper Shipping Name: Contaminated Soil Not For Sale
4. Hazard Class: None 5. I.D. #: _____
6. Additional Description: (_____)
7. Method of Shipment: Bulk Liquid Bulk Solid Drum (Type/Size): _____ Other: _____
8. CERCLA Reportable Quantity (RQ): _____ 9. RQ Units (lb/kg): _____
10. USEPA Hazardous Waste? Yes No 11. USEPA Hazardous Waste Number(s): _____
12. State Hazardous Waste? Yes No 13. State Hazardous Waste Number(s): _____

F. GENERATOR CERTIFICATION

By signing this profile sheet, the generator certifies that unless clearly stated above or in attachments:
1. This waste is not a "Hazardous Waste" as defined by either 40 CFR 261 or the state in which the waste is now located.
2. This waste is not a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005).
3. This waste is not a Dioxin listed waste as defined by 40 CFR 261.31 (e.g., F020, F021, F022, F023, F026, F027, or F028).
4. This waste does not contain greater than 1000 ppm halogenated organic compounds.
5. This waste does not contain regulated quantities of PCB's (Polychlorinated Biphenyls).
6. This sheet and its attachments contain true and accurate descriptions of this waste material. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

X J. Frank McCully 7. Signature Plant Maint Eng II 8. Title
J. FRANK McCULLY 9. Name (Type or Print) 7/25/89 10. Date



217/782-6761

0894385115

Refer to: ~~LPG # 0894385165~~ -- Kane County
Elgin/Elgin Mental Health Center
750 So. State Street
Incident # 891217
LUST/Technical Reports

April 18, 1990

Mr. William M. Clanin
750 South State Street
Elgin, Illinois 60120

Dear Mr. Clanin:

The Illinois Environmental Protection Agency has reviewed your July 31, 1989 letter regarding the site referenced above. The Agency requires you to submit a Corrective Action Report describing the activities you have conducted to address the release of gasoline from the underground storage tanks, (USTs) at this site. The report must include the following information:

1. Information on type and quantity of the release.
2. Site map including:
 - a. location of USTs and size(s)
 - b. location of the product delivery lines
 - c. location of the pumps
 - d. location of buildings
 - e. location of roads and sewers adjacent to property
 - f. area of soil excavation
 - g. location of soil borings
 - h. location of monitoring wells
 - i. soil sample locations
3. Data from available sources or site investigation including:
 - a. density of surrounding populations
 - b. use and location of wells within a 3000 ft. radius of the site
 - c. subsurface soil conditions
 - d. land use
4. Analytical results of the following:
 - a. soil sampling
 - b. groundwater sampling
 - c. sampling plan describing how samples were collected and handled
5. Photographs documenting site conditions and remedial activities.

SCREENED

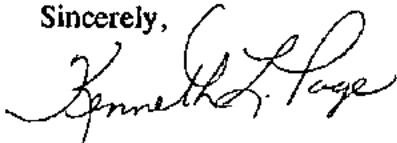
Mr. William M. Clanin
April 19, 1990
Page Two

6. Description of the actions taken to prevent further release of regulated substances.
7. Description of action taken to prevent further migration of the released substance into surrounding soils and groundwater.
8. Description of the steps taken to reduce any fire, explosion and vapor hazards posed by vapors or free product that have moved from the UST excavation zone into subsurface structures.
9. Description of the steps taken to control and remedy hazards posed by soils that were excavated or exposed as a result of release confirmation, site investigation, abatement or corrective action activities.
10. Description of the steps taken to investigate the presence of free product (if any).
11. Schedule outlining any additional remedial activities planned at the site.

Upon completion of the above work, two copies of the report should be submitted to the Agency at the above address for review. Include all "Refer to" information on any correspondence submitted to the Agency.

Should you have any questions, please feel free to contact me at the above telephone number or Mr. Robert F. Mesec, IEPA contract employee, at Environmental Science & Engineering, Inc. (312) 693-6030.

Sincerely,



Kenneth L. Page, Project Manager
Immediate Removal Unit
Remedial Project Management Section
Division of Land Pollution Control

cc: Division File
Maywood Region
Robert Mesec, ESE
Ken Burch, USEPA-Region V

KLP, RFM/mrc
90041206.RFM



PROFESSIONAL TANK SERVICES, LTD.

4825 N. Scott Street, Suite 77-2

Schiller Park, IL 60176

312-678-4224

Precision Tank Testing

1-800-624-9223

0894385115/ELGIN
ELGIN MENTAL HEALTH CENTER
LUST/TECH REPORT

June 19, 1990

Mr. Kenneth Page
Project Manager
Immediate Removal Unit
Remedial Project Management Section
Division of Land Pollution Control
Illinois Environmental Protection Agency
P. O. Box 19276
Springfield, IL 62794-9276

Subject: LUST Technical Reports, IESDA Incident #891217
LPC #0894385165 - Kane County
Elgin Mental Health Center, 750 S. State St., Elgin, IL

Dear Mr. Page:

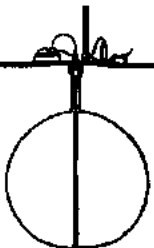
In accordance with your correspondence of April 18, 1990, requesting a Corrective Action Report for the subject petroleum LUST incident, our client, the Elgin Mental Health Center, has requested the enclosed report summarizing the UST Closure and Corrective Action work to date be submitted for your review. The Elgin Mental Health Center requests the agency review the described the remedial activities to determine if sufficient remedial work has been performed regarding the previous release of petroleum products from the former underground storage tanks prior to proceeding with any additional investigative or further remedial work.

RECEIVED

JUN 21 1990

IEPAD/LPC

A member of the H & C GROUP



AFFILIATE
PEI
ENVIRONMENTAL
SERVICES

June 19, 1990

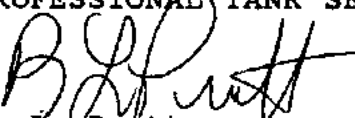
Illinois Environmental Protection Agency

Page 2

Should you have any questions regarding the work activities described in the enclosed report, please feel free to contact me at 708-678-4224, or Mr. Frank McCully, Chief Engineer for Elgin Mental Health Center, 708-742-1040, ext. 2562.

Sincerely Yours,

PROFESSIONAL TANK SERVICES, LTD.



R. L. Pratt
Engineer

Enclosures

cc: Mr. Robert Mesec, Environmental Science & Engineering, Inc.
Mr. Frank McCully, Elgin Mental Health Center
Mr. William Clanin, Elgin Mental Health Center
Mr. Carl Aschenbrenner, Elgin Mental Health Center
Mr. Bill Hartmann, Peter J. Hartmann Company
PTS Project File

RLP/cr

UST CLOSURE AND CORRECTIVE ACTION REPORT

ILLINOIS ESDA INCIDENT NO. 891217
LPC #0894385165 - KANE COUNTY
PETROLEUM LUST REMEDIATION
ELGIN MENTAL HEALTH CENTER
750 S. STATE ST.
ELGIN, IL

PREPARED FOR: PETER J. HARTMANN COMPANY
9200 King St.
Franklin Park, Illinois 60131

PREPARED BY: PROFESSIONAL TANK SERVICES, LTD.
4825 N. Scott St.
Suite 77-2
Schiller Park, Illinois 60176

JUNE 19, 1990

RECEIVED
JUN 21 1990
IEPA/DLPC

UST CLOSURE AND CORRECTIVE ACTION REPORT

ILLINOIS ESDA INCIDENT NO. 891217
LPC #0894385165 - KANE COUNTY
PETROLEUM LUST REMEDIATION
ELGIN MENTAL HEALTH CENTER
750 S. STATE ST.
ELGIN, IL

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UST SITE DESCRIPTION	2
SUMMARY OF PREVIOUS WORK ACTIVITIES	
A. Tank Removal	2
B. Corrective Action	3

LIST OF FIGURES

- No. 1 - Site Map
- No. 2 - UST Location Map
- No. 3 - Analytical Results

APPENDIX

UST Removal Permits

Soil Disposal Permits

Uniform Hazardous Waste Manifest

UST CLOSURE AND CORRECTIVE ACTION REPORT

ILLINOIS ESDA INCIDENT NO. 891217
LPC #0894385165 - KANE COUNTY
PETROLEUM LUST REMEDIATION
ELGIN MENTAL HEALTH CENTER
750 S. STATE ST.
ELGIN, IL

INTRODUCTION

The State of Illinois Elgin Mental Health Center (EMHC) owned and operated two 550 gallon motor fuel underground storage tanks at its campus located at 750 S. State Street in Elgin, Illinois. The USTs contained gasoline and diesel fuel for use by EMHC's automotive fleet. EMHC elected to permanently close by removal the subject USTs as part of a project to upgrade their motor fuel storage system with a new UST system installed in a new location at the facility.

On April 17, 1989, EMHC contracted the Peter J. Hartmann Company (PJH), of Franklin Park, Illinois, to remove and dispose of the existing motor fuel storage system, consisting of the two 550 gallon USTs, underground piping and dispensing pumps. The Peter J. Hartmann Company is registered with the Office of the Illinois State Fire Marshal as a remover of underground storage tanks under registration number 362258370.

Professional Tank Services, Ltd., (PTS) of Schiller Park, Illinois is an affiliate company of the Peter J. Hartmann Company, and was retained to prepare a report documenting the project activities.

During the UST removal process, soils exhibiting evidence (odor and visible staining) associated with prior petroleum product releases were encountered prompting the reporting of this confirming condition of a release to the Illinois Emergency Services and Disaster Agency (ESDA). The Incident Number assigned by ESDA to the Elgin Mental Health Center LUST site is 891217. On July 31, 1989, the Elgin Mental Health Center prepared and submitted a response letter to the Leaking Underground Storage Tank unit of the Illinois Environmental Protection Agency (IEPA).

PURPOSE

The purpose of this report is to document the corrective action work that has been performed to date. The report describes the activities that have occurred to date, including the removal and disposal of the former USTs, together with the removal and landfill disposal of petroleum contaminated soils occurring in the immediate vicinity of the former UST excavations.

UST SITE DESCRIPTION

The subject former motor fuel USTs were located adjacent the East side of the Ground Maintenance building, Building #57 (see Figure No. 1 - Site Map and Figure No. 2 - UST Location Map). The former motor fuel storage system consisted of the two 550 gallon single wall steel tanks, serving single hose outlet, suction type motor fuel dispensing pumps. One UST system was utilized for the storage of gasoline, and the second UST was utilized for the storage of diesel motor fuel. Both of the USTs were located in a common excavation buried approximately 3 feet below a concrete traffic slab. The USTs were of unknown age. The subject former UST excavation is immediately adjacent a paved access road, separating the Grounds Maintenance building from four Garage Unit buildings located to the East of this roadway.

Land use in the vicinity of the EMHC 220 acre facility consists of predominantly residential units to the North of Rt. 20, sparsely developed mixed commercial, light industrial, state and municipal facilities to the East of State Street (Rt. 31) and gravel mining to the West and South. The EMHC facilities has two wells on site, drilled to approximately 2000 feet. The wells have been out of use for approximately 15 years. The wells are located adjacent the Power House (Bldg. 50) and Well House No. 2 (Bldg. 131) as shown on the Site Map (Figure No. 1). Potable water for the Elgin area is provided by the City of Elgin Water Department, with the Fox River serving as its primary source.

SUMMARY OF PREVIOUS WORK ACTIVITIES

A. TANK REMOVAL ACTIVITIES

Prior to the initiation of the tank removal process, the Peter J. Hartmann Company applied to the Office of the Illinois State Fire Marshal on April 27, 1989 for permits to close by removal the subject USTs. The Office of the State Fire Marshal granted permits to remove the subject USTs at the end of the mandated 30 day notification period, occurring after 5/28/90. Permits for the removal of the subject USTs were also obtained from the City of Elgin on May 25, 1989. Copies of the aforementioned permits are included in the Appendix section of this report.

The UST removal process occurred on July 12, 1989, with both USTs removed from the ground, purged of flammable and combustible vapors, opened and interiors cleaned on site. Both USTs were observed to have numerous corrosion caused perforations. The openings to allow cleaning of the USTs rendered them unfit for further use. The USTs were transported by the Peter J. Hartmann Company to a metals recycler, Franklin Park Iron and Metal Company,

Elgin Mental Health Center
Closure & Corrective Action Report
June 19, 1990

Franklin Park, Illinois, in accordance with the Illinois Office of the State Fire Marshal Part 170 Regulations. A copy of the Certificate of Destruction executed by Franklin Park Iron and Metal Company, documenting the receipt of these tanks for metals recycling, is included in the Appendix section of this report.

During the removal process, backfill soils surrounding the former USTs were found to exhibit distinctive petroleum hydrocarbon odors (gasoline) and visible staining associated with prior releases of petroleum products. No free product or ground water was observed to be accumulating in the excavations during the UST removal process, and no apparent fire or safety hazards were observed in the vicinity of the former UST excavation.

Elgin Mental Health Center personnel reported encountering the aforementioned evidence of a release to ESDA, and the site was assigned incident number 891217.

A sample of the contaminated soils exhibiting the previously described odors and visual staining was collected and submitted to Quality Analytical Labs, Inc., of Wheaton, Illinois, for quantitative analysis of Benzene, Ethylbenzene, Toluene and Xylene (BETX) compounds and EP Toxicity for Lead, in accordance with methods 5030 and 8240, as described in USEPA Analytical Procedures SW-846. A copy of the written results of the analysis performed by Quality Analytical Labs, Inc. is included as Figure No. 3 in this section of the report.

On July 17, 1989, a soil sample was collected from the contaminated backfill soils exhibiting odors and visible staining, and submitted to Scientific Control Laboratories, Inc. of Chicago, Illinois, for analysis for EP Toxicity of Lead, Flash Point by Open Cup and Paint Filter (free liquid), all required analyses for landfill disposal of petroleum contaminated soils as a solid, non-hazardous special waste on a generic waste stream basis. A copy of the written results of the aforementioned analysis performed by Scientific Control Laboratories, Inc. is included in the Appendix section of this report.

B. CORRECTIVE ACTION ACTIVITIES

Approvals and authorization to transport and landfill dispose of the aforementioned petroleum contaminated soils at CID #2, Calumet City, Illinois, as a solid, non-hazardous special waste on a generic waste stream basis, were secured through Clearing Disposal of Cicero, Illinois, a Waste Management of North America company. On receiving the aforementioned approvals and authorizations, arrangements were made to load, transport, and dispose of the soils exhibiting signs of contamination occurring in the vicinity of the former USTs.

Elgin Mental Health Center
Closure & Corrective Action Report
June 19, 1990

On November 3, 1989, approximately 150 cubic yards (10 loads) of petroleum contaminated soil was loaded, transported off site and landfill disposed at CID #2, Calumet City, Illinois. Ozinga Transportation, a licensed special waste hauler (Illinois I.D. number 1070), transported the aforementioned materials to CID #2, 138th & Calumet Expressway, Calumet City, Illinois (site I.D. number 0316000030). CID #2 is a landfill operated by Waste Management of North America, and is permitted to accept petroleum contaminated soils on a generic waste stream basis (authorization number 070001). IEPA Uniform Hazardous Waste Manifest served to document the transport and disposal of the aforementioned described soils. Copies of the approvals accepting the material as a solid special waste on a generic waste stream basis, together with copies of the IEPA Uniform Hazardous Waste Manifest documenting the movement and disposal of these materials, are enclosed in the Appendix section of this report.

Soils encountered during the excavation process consisted of mixed fill sands, gravels and clays to approximately 2 feet, silty clay with traces of sand and gravel were encountered from 2-6 feet and mixed gravel and sands encountered from 6-16 feet. No free product or groundwater was observed during excavating to approximately 16 feet. Results of field scans recorded with a photoionization detector (PID) confirmed the presence of volatile organic compounds remaining at the limits of the excavation.

After creating an excavation approximately 15' X 15' X 16' deep, the open excavation was lined with polyethylene plastic sheeting, to serve as a marker defining the limits of the excavation, and two 4" diameter slotted PVC well screens were installed. The excavation was filled to surface with a Grade 7 granular backfill material. Access to the well screens was secured at grade with manholes with labeled and bolted lids.

An inspection of the aforementioned well screens on June 6, 1990 found no odors or liquids to be observed.

The former UST excavation area remains unpaved, awaiting a determination by IEPA as to whether sufficient remedial activities have been performed at the EMHC LUST site.

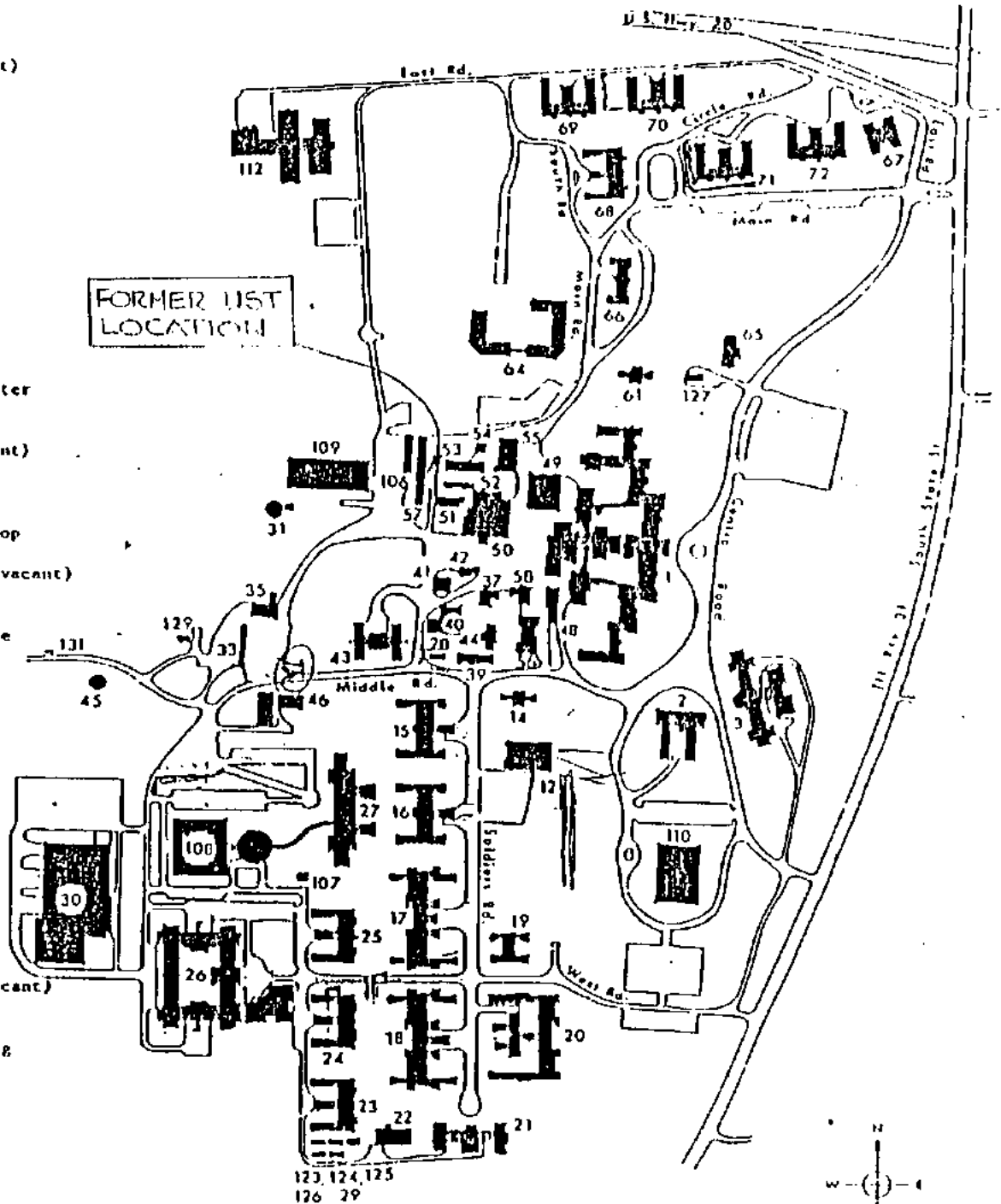
FIGURE 1

EMHC 403
REV 6-86

ELGIN MENTAL HEALTH CENTER
750 South State Street
Elgin, Illinois 60120
(312) 742-1040



- 1 Center Building (vacant)
- 2 Old General Hospital
- 3 Head
- 12 Assembly Hall
- 14 Davidson (vacant)
- 15 Burr
- 16 Wynn
- 17 Killbourne
- 18 Peabing (vacant)
- 19 Workshop Annex
- 20 Wilson (vacant)
- 21 Halloran
- 22 Kitchen
- 23 MacArthur
- 24 Pines
- 25 White
- 26 Forensic Treatment Center
- 27 Acute Treatment Center
- 28 Housekeeping Offices
- 29 Mobile Classroom (vacant)
- 30 Central Stores
- 31 Pump & Blower House
- 33 Implement Shed
- 35 Mason & Plasterer's Shop
- 37 Storage Warehouse #2
- 39 Barber & Beauty Shop (vacant)
- 40 Carpenter's Shop
- 41 Garage Unit #5
- 42 Old Dispatcher's Office
- 43 Wittman
- 44 Studio (vacant)
- 45 Water Tower
- 46 Hengel
- 48 Storage Building
- 49 Old Laundry (vacant)
- 50 Power House
- 51 Garage Unit #1
- 52 " " #2
- 53 " " #3
- 54 " " #4
- 55 Shops Building
- 56 Workshop Storage
- 57 Grounds Maintenance
- 58 Fire Station
- 61 Woods (vacant)
- 64 Carriel & Ricketts (vacant)
- 65 Burae's Home (vacant)
- 66 Staff House (vacant)
- 67 Administration Building
- 68 Jenks
- 69 Hawley
- 70 Souster
- 71 Birch
- 72 Holden
- 106 Paint Shop
- 108 Medical Building
- 109 Laundry
- 110 Rehabilitation Building
- 112 Adult Education Center
- 123 Mobile Classroom (vacant)
- 124 " " "
- 125 " " "
- 126 " " "
- 127 Garage
- 129 Root Cellar (storage)
- 131 Well House #2



EXISTING GROUNDS MAINTENANCE BUILDING - BLDG NO 57
(ONE STORY BLOCK BLDG. w/O BASEMENT)

EXISTING
CONCRETE
PAYEMENT

2.1" PVC SLOTTED
WELL SCREENS
w/ SECURED
LABEL ACCESS
MANHOLES

FORMER
LOCATION
OF (3) 550 GAL.
MOTOR FUEL
UST'S

5.5'

6"
H.

APPROXIMATE LIMITS OF
EXCAVATION TO 16 FT.
LINED WITH POLYETHYLENE
SHEETING AND BACKFILLED
WITH GRADE 7 BACKFILL

EXISTING CONCRETE PAYEMENT

EXISTING 20' PAVED ROADWAY

EXISTING
PAVED
ROADWAY

EXISTING
GARAGE
UNIT BLDG

EXISTING GARAGE
UNIT BLDG



UST SITE PLAN

ELGIN MENTAL HEALTH CENTER
230 S STATE ST, ELGIN ILL



PROFESSIONAL ENGINEER
235 S. State Street
Elgin, IL 60120
Phone: 815-728-4224

FIGURE NO. 1



QUALITY ANALYTICAL LABS, INC.

P. J. Hartman Co.
 ATTN: Gary
 9200 King
 Franklin Park IL 60131

Job #: 1-759
 Date: 7/21/1989

Sampling Date: 7/12/1989
 Analyses Date: 7/13-21/1989
 Method: The sample was analyzed as per SW-846 USEPA method 5030
 and 8240 GC/Mass Spec

Identification: One sample taken by P.J. Hartman personnel
 identified as:

Elgin State

Results:

E.P.Toxicity Lead NA

Compound	MDL ug/Kg	CAS NUMBER	Sample ug/kg	Standard Type
Benzene	1.0	79-01-6	255	ESID
Ethylbenzene	1.0	100-41-1	947	ESID
Toluene	1.0	108-88-3	2070	ESID
m-Xylene	1.0	108-38-3	3840	ESID
o-Xylene	1.0	95-47-6	3810	ESID
p-Xylene	1.0	106-42-3	3850	ESID

MDL Method Detection Limit

BDL Below Detection Limit

* None Available

ESID ... External Standard

ISTD ... Internal Standard

NA Not Applicable

Respectfully submitted,

William F. Eberhardt
 Lab Director
 Quality Analytical Labs, Inc.

APPENDIX



STATE OF ILLINOIS

DEPARTMENT OF MENTAL HEALTH AND DEVELOPMENTAL DISABILITIES

Telephone: 312-742-1040

ELGIN MENTAL HEALTH CENTER
750 South State Street
Elgin, Illinois 60120

July 31, 1989

Illinois Environmental Protection Agency
Division of Land Pollution Control
Remedial Project Management Section
Leaking Underground Storage Tank Unit
2200 Churchill Road
P. O. Box 19276
Springfield, Illinois 62794-9276

Refer To: Kane/Elgin...891217
Elgin Mental Health Center
750 So. State Street
Elgin, Illinois 60123

Dear Sirs:

The attached completed yellow copy of the Contingency Plan and the Generator's Waste Material Profile sheet are being forwarded to you as appropriate.

The Illinois Environmental Protection Agency Illinois Generator I.D. Number for the Elgin Mental Health Center is 0894385165. The contractor for the removal of these tanks was Peter J. Hartmann Company, 9200 King Street, Franklin Park, Illinois, 60131.

The tanks have been removed and permits applied for to remove soil. When the soil permits are obtained, soil remediation will be taken care of.

Very Truly Yours,

William M. Clanin
Administrative Assistant
Engineering Services

**Contingency Plan
Leaking Underground Storage Tank Problems**

City ELGIN ILLINOIS Incident # 891217
 Site Name ELGIN MENTAL HEALTH CENTER
 Address 750 S. STATE ST.
ELGIN ILLINOIS 60123
 Site Phone 312-742-1040

Person representing the site with authority to approve remediation expenditures in an emergency
J. FRANK McCULLY CHIEF ENGINEER
 Phone 312-742-1040 EXT. 2562
 After-hours Phone 312-741-1506

Contractor Hired for Tank Removal PETER J. HARTMANN COMPANY
 Phone 312-671-1580
 After-hours Phone 312-823-6134

Contractor Available for Emergency Response PETER J. HARTMANN COMPANY
 Phone 312-671-1580
 After-hours Phone 312-823-6134

In case of Additional Petroleum Product spillage or discovery of products or vapors in the Sewers, Streams, and/or Buildings IMMEDIATELY Notify all the Following:

Local Fire Department	<u>ELGIN</u>	Phone	<u>312-695-6500</u>
Local Police Department	<u>ELGIN</u>	Phone	<u>312-695-6500</u>
Sewer Authority	<u>ELGIN SANITARY DIST.</u>	Phone	<u>312-742-2068</u>
Alter-Hours Phone			<u>312-742-2068</u>

Illinois Emergency Services and Disaster Agency and ask for the IEPA Duty Officer
 Phone 800/782-7860

Confirm that the emergency contractor is available and willing to respond to this site. Then post the original in a prominent place for your employees and send the carbon to:
 IEPA-ERU #29
 2200 Churchill Road
 Post Office Box 19276
 Springfield, Illinois 62794-9276

 Illinois Environmental Protection Agency — Emergency Response IEPA-ERU
 Phone 217/782-3637



Office of the Illinois
State Fire Marshal

1-000002

DATE: 5/2/89
TO: Peter J Hartmann Co.
9200 KING ST
FRANKLIN PARK, IL 60134

RE: UNDERGROUND TANK REMOVAL AT:
ELGIN MENTAL HEALTH CENTER
750 SOUTH STATE ST.
ELGIN, IL.

In accordance with Federal EPA regulations 30 day advance notice is required to the OSFM for removal of an underground tank. Your notice of removal was received on 4/28/89 and therefore the tank may be removed on or after 5/28/89

You are requested to notify this office via phone 72 hours before actual removal is made in order that an inspector can be assigned to the site.
Phone 312/917-2693

2-550 gal tanks

Facility # _____
 Permit # 1-000002
 Approved Date 5/2/89
 Approved By KW

APPLICATION FOR PERMIT
OF UNDERGROUND STORAGE TANKS FOR PETROLEUM AND HAZARDOUS MATERIALS

Completed in triplicate with site plans and filed with the Office of the State Fire Marshal
 1) 100 West Randolph Street, State of Illinois Center, Suite 11-800, Chicago, Illinois 60601 (312/917-2693)
 2) 3150 Executive Park Drive, Springfield, Illinois 62703-4599 (217/782-7381)
 3) 2309 West Main Street, Marion, Illinois 62959 (618/997-4371, extension 210)

1) Corporation, partnership or other business entity:
ELGIN MENTAL HEALTH CENTER
 Name
750 SOUTH STATE STREET
 Street Address
ELGIN, IL 60123-7692
 City State Zip
312-742-1040 State Zip
 Phone

2) Name and location of facility where installation is to occur:
ELGIN MENTAL HEALTH CENTER
 Name
750 SOUTH STATE STREET
 Street Address
ELGIN, IL 60123-7692
 City State Zip
CARL ASCHENBRENNER 312-742-1040
 Contact Person Phone
 Facility I.D. (if known) _____

1) Person, firm or company performing work:
PETER J. HARTMANN COMPANY
 Name
9200 KING STREET
 Street Address
FRANKLIN PARK, IL 60131
 City State Zip
 Registration No. _____

4) Removal of tanks Abandonment in place
 a) Number and size of tanks being removed
REMOVE TWO 550 GALLON TANKS
 b) Reason for removal of tanks
NO LONGER IN USE

NOTE: If abandoned in place, a waiver must be secured from OSFH.

Installation of tanks:
 Number and size of tanks being installed:
 b) Type of tanks:
 c) Type of leak detection being installed for each tank:
 For piping _____
 d) Product to be stored for each tank _____
 e) Corrosion protection being installed for each tank system (including piping):
 f) Spill/Overfill prevention devices being installed for each tank:

PLANS APPROVED SUBJECT TO
 FULL COMPLIANCE WITH ALL
 REGULATIONS AS SET FORTH
 IN OUR LITERATURE
5/2/89 KW
 DIVISION OF FIRE PREVENTION

Repair of tanks
 a) Number and size of tanks being repaired or relined _____
 b) Material of tank construction _____ Method of repair or relining _____
 A permit fee of \$100 for each facility must accompany this application. (Checks or money orders are to be made payable to Office of the State Fire Marshal.) Check Money Order
 For each facility, EPA form 7530-1 - Notification of Underground Storage Tanks must be completed and submitted to the Office of the State Fire Marshal.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application, and that based on my inquiry of those individuals immediately responsible for obtaining information, I believe that all submitted information is true, accurate and complete.
 Authorized Representative: MARY ANN OLNEY Title: PERMIT COORDINATOR
 Signature of Authorized Representative: Mary Ann Olney Date: APRIL 27, 1989

Worked 5-25-84

NOTE: PLEASE SEE A COPY OF THE STATE PERMITS AND SKETCHES WHICH ARE ATTACHED FOR YOUR USE!

APPLICATION & PERMIT

JOB ADDRESS 750 SOUTH STATE STREET

NAME ELGIN MENTAL HEALTH CENTER

ADDRESS 750 SOUTH STATE STREET

CITY ELGIN, IL 60123-7692 **TEL.** 742-1040

CONTRACTOR NAME PETER J. HARTMANN COMPANY

ADDRESS 9200 KING STREET

CITY FRANKLIN PARK, IL 60131 **LICENSE NO.**

TEL. BUSINESS 671-1580 **HOME**

BLOCK _____ **UNIT** _____

SUB'D. _____

TAX NO. _____

ZONING _____

THIS PERMIT NOT VALID UNTIL CERTIFIED BY TREASURERS OFFICE

DESCRIPTION OF WORK REMOVE TWO 550 GALLON TANKS WHICH ARE NO LONGER IN USE AND INSTALL TWO 1,000 GALON SINGLE WALL FIBERGLASS UNDERGROUND STORAGE TANKS FOR GASOLINE STORAGE

FEES \$16,200.00

BUILDING				PLUMBING		FEES	
BATH				BATHUB		BUILDING, FENCES, TOOL SHEDS, DEMOLITIONS, POOLS, FIREPLACES	010 - 441 - 0000
DRINKING				DRINKING - FOUNTAIN		OCCUPANCY	010 - 445 - 0000
FLOOR DRAIN				FLOOR DRAIN		PLUMBING	010 - 446 - 0000
EJECTORS				EJECTORS		ELECTRICAL	010 - 442 - 0000
KITCHEN SINK				KITCHEN SINK		HEATING & AIR CONDITIONING & VENT	010 - 444 - 0000
LAUNDRY TRAY				LAUNDRY TRAY		SIGNS (Not electrical)	010 - 447 - 0000
LAVATORY				LAVATORY		MISC. (Elevators, Gas Tanks, Conveyors, etc.)	010 - 449 - 0000
SHOWER				SHOWER		PLAN CHECKS	010 - 590 - 0000
SLOP SINK				SLOP SINK		PENALTY	010 - 454 - 0000
URINAL				URINAL		SCHOOL SITE	010 - 245 - 0000
WASHING MACHINE				WASHING MACHINE		PARK SITE	010 - 680 - 0000
WATER CLOSET				WATER CLOSET		WATER SERVICE CONNECTIONS	400 - 597 - 0000
WATER HEATER				WATER HEATER		WATER SERVICE FOOTAGE	400 - 597 - 1000
GAS OPENINGS				GAS OPENINGS		WATER METERS	400 - 628 - 0000
						REMOTE READS	400 - 628 - 0000
TOTAL				TOTAL		TOTAL FEE \$	

HEATING

ITEM _____ **B.T.U.** _____

RADIANCE / BOILER _____

BTU - CFM'S _____

TONS _____

SIGNS

ABOVE GROUND

W. _____ **H.** _____

SO. FT. _____

CONDITIONS of PERMIT

REQUIRED INSPECTIONS MUST BE CALLED FOR BY APPLICANT

A CERTIFICATE OF OCCUPANCY AND COMPLIANCE MUST BE ISSUED PRIOR TO OCCUPANCY OF ALL NEW STRUCTURES, ADDITIONS, AND FOR CHANGE OF USE.

In consideration of this application and attached forms being made a part thereof and the issuance of permit, I will conform to the regulations set forth in the city of Elgin, Ill, codes and ordinances.

I also agree that all work performed under said permit will be in accordance with the plans and specifications which accompany this application, except for such changes as may be authorized or required by the Building Official.

PERMIT VALID FOR 6 MONTHS FROM DATE OF ISSUE

Mary O'Leary

OWNER OR AUTHORIZED AGENT

PETER J. HARTMANN COMPANY
LICENSED CONTRACTOR

NOTICE

ALL WORK WITHIN PUBLIC R.O.W REQUIRES A SEPARATE PERMIT FROM ENGINEERING AT 40 ANN STREET

PERMIT FOR THE ABOVE WORK IS HEREBY AUTHORIZED



UST CERTIFICATE OF DESTRUCTION/DISPOSAL

1. JOB NUMBER: 7969 2. FACILITY I.D. #: _____

3. UST SITE LOCATION:
 NAME: ELGIN STATE HOSPITAL
 STREET: 750 STATE ST
 CITY: ELGIN
 CONTACT: BILL CLAPIN
 PHONE: 708-742-1040 EXT
2560

4. UST OWNER/GENERATOR:
 NAME: _____
 STREET: _____
 CITY: STATE
 CONTACT: _____
 PHONE: _____

5. UST STATUS:

a) TANK NUMBER	<u># 1</u>	<u># 2</u>
b) PREVIOUS CONTENTS	<u>Gasoline</u>	<u>Gasoline</u>
c) MATERIAL OF CONSTRUCTION	<u>STEEL</u>	<u>STEEL</u>
d) NOMINAL CAPACITY (gal)	<u>550</u>	<u>550</u>
e) SIZE (dia x length)	<u>48" x 6'</u>	<u>48" x 6'</u>

6. METHOD OF PURGING: COMPRESSED AIR, _____ DRY ICE,
 _____ OTHER: _____

7. METHOD OF CLEANING:

a) SCRAPE & SHOVEL _____ X

b) HIGH PRESSURE WATER RINSE _____

c) HIGH PRESSURE WASH W/TRISODIUM PHOSPHATE & TRIPLE RINSE _____

d) SOLVENT RINSE _____

TYPE: _____

e) ABRASIVE BLAST _____

8. RENDERED UNFIT FOR USE BY: ENTRY OPENINGS, _____ PERFORATIONS,
 _____ CUT IN SECTIONS

9. PREP FOR TRANSPORT:

a) ASSESSMENT OF VAPORS (RECORD CGI READING) 0"

b) LABELED FOR TRANSPORT: YES

c) TRANSPORTER NAME: PETER J. HARTMANN

10. REMOVING FOREMAN CERTIFICATION:
 THE AFOREMENTIONED LISTED UST WAS REMOVED, PURGED OF VAPORS, CLEANED, RENDERED UNFIT FOR FURTHER USE AND TRANSPORTED TO THE DESIGNATED DISPOSAL FACILITIES AS SHOWN BELOW.

BY: RICH HARTMANN
 TITLE: OPERATOR DATE: 7-17-89

11. UST DISPOSAL FACILITY

a) NAME: FRANKLIN PARK SCRAP

b) ADDRESS: 10067 FRANKLIN AVE

c) CITY/STATE: FRANKLIN PARK ILL

d) PHONE NO.: 708-678-7410

e) PERSON RECEIVING UST: GEORGE BYCZKOWSKI
 Scrap Metal Recycler Landfill _____ Other _____

ON 7/17/89 (date), THE AFOREMENTIONED UST WAS RECEIVED IN AN EMPTY CLEAN CONDITION, RENDERED UNFIT FOR FURTHER USE AND IS BEING RECYCLED AS SCRAP METAL, DISPOSED IN A LANDFILL (circle one), ALL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATORY REQUIREMENTS.

BY: George Byczkowski TITLE: FOREMAN



Waste Management of North America, Inc.
Midwest Region Technical Center
150 West 137th Street • Riverdale, Illinois 60627
312/841-8360

September 20, 1989

LAB SAMPLE NUMBER: SCL 8-715
EFFECTIVE DATE: 9-20-89
EXPIRATION DATE: 12-31-89

<u>J. Frank McCully</u>	CONTACT PERSON NAME
<u>Elgin Mental Health Center</u>	GENERATOR COMPANY NAME
<u>750 S. State Street</u>	STREET ADDRESS
<u>Elgin, IL 60123</u>	CITY, STATE, & ZIP CODE
<u>(312) 742-1040</u>	TELEPHONE NUMBER
<u>0894385115</u>	ILLINOIS EPA GENERATOR CODE NUMBER
<u>CID B74390</u>	WASTE MATERIAL PROFILE SHEET CODE NUMBER

YOUR Soil Contaminated with Gasoline IS APPROVED FOR DISPOSAL AT THE
CID II LANDFILL (IEPA FACILITY CODE #0316000030) ON A GENERIC BASIS. PLEASE
USE AUTHORIZATION # 070001 ON THE ILLINOIS EPA MANIFEST ACCOMPANYING EACH
WASTE STREAM SHIPMENT.

GENERIC AUTHORIZATION # 070001 COVERS LUST Contaminated Soil with
Petroleum Motor Fuels

THE WASTE CLASSIFICATION IS "NON-HAZARDOUS, NOT SUBJECT TO FEE".

THIS WASTE STREAM MUST BE RECERTIFIED EVERY TWO (2) YEARS. PLEASE NOTE THE
EXPIRATION DATE LISTED ABOVE.

IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CONTACT ME.

SINCERELY,

DEBORAH L. MENIGOZ
TECHNICAL MANAGER

DLM/mr
cc: Hauler : Clearing
WMNA Regional Permit Files
CID Processing Facility Files

SPECIAL CONDITIONS: All loads must be scheduled 24 hours prior to shipment.



8158 S. MOLIN AVENUE
CHICAGO, ILL 60628-4003
(312) 254-8406
FAX (312) 254-6661

Scientific

CONTROL LABORATORIES, INC.

TESTING • RESEARCH • CONSULTING

REPORT TO: Clearing Disposal
5245 West 38th Street
Cicero, IL 60650

ATTENTION: Mr. Art Hart

ORDER NO..

REPORT NO.: 8-715

SPECIFICATION NO..

RECEIVED: 7-19-89

TYPE TEST:

Waste Analysis

REPORTED: 7-31-89

IDENTIFICATION OF MATERIAL:

One (1) soil sample, identified as:

V-74390
Elgin Mental Health Center
Contaminated Soil
2PM 7-17-89

PURPOSE:

The purpose of the testing is to determine if the submitted sample is hazardous as per 40 CFR, Part 261, Appendix II.

E. P. TOXICITY, FREE LIQUID, & FLASH POINT:

PROCEDURE:

The sample was leached and analyzed in accordance with USEPA SW-846. The Flash Point was determined in accordance with ASTM D92-72 using a Cleveland Open Cup Tester. The Free Liquid was determined in accordance with USEPA SW-846.

RESULTS:

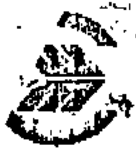
<u>Parameter:</u>	<u>EPA Hazardous Waste Number</u>	<u>If Analysis is above or equal to this value, the waste is deemed hazardous</u>	<u>Analysis (mg/L)</u>
Lead	D008	5.0	<0.05
Flash Point (Open Cup)			>200°F
Free Liquid			NEGATIVE

Respectfully submitted,

SCIENTIFIC CONTROL LABORATORIES, INC.

PA:clm

By: *[Signature]*



Chemical Waste Management, Inc.



GENERATOR'S WASTE MATERIAL PROFILE SHEET

MISCELLANEOUS SPECIAL WASTE

PLEASE PRINT IN INK OR TYPE (EUB, 12-pitch)



CO - V 74390

Waste Profile Sheet Code

CWM Location of Origin: Illinois

INSTRUCTIONS FOR COMPLETING THIS FORM ARE ATTACHED.

Return this form to: Clearing Disposal
3800 S. Laramie
Cicero, Illinois 60650

Zip Code: _____

A. GENERAL INFORMATION

1. Generator Name: Elgin Mental Health Center 2. Generator USEPA ID: Photo # 742-1040-
3. Facility Address: 750 S. State Street 4. Generator State ID: 0894383715
Mail Address: Elgin, IL 60123
5. Zip Code: _____
6. Technical Contact: Amy Colwell 7. Title: _____ 8. Phone: () 671-1580

B. MAIL CHEMICAL WASTE MANAGEMENT, INC. INVOICES TO

1. Generating Facility (A, above), or
2. Company Name: Clearing Disposal 3. Phone: () _____
4. Address: 3800 S. Laramie
Cicero, IL 60650 5. Zip Code: _____

1. NAME OF WASTE: Contaminated Waste
2. PROCESS GENERATING WASTE: Leak Removal

D. CLASSIFICATION OF WASTE MATERIAL AND SUPPLEMENTAL INFORMATION (from instructions)

1. This waste material is hazardous non-hazardous
2. The underground storage tank contained: Gasoline
3. The soil is contaminated with: Gasoline
4. Analytical information is submitted with this form.
5. Permit for disposal is requested.
6. Landfill site requested: C.I.D. 138th Calumet Expressway

E. TRANSPORTATION INFORMATION

1. Is this a DOT Hazardous Material? Yes No 2. Anticipated Annual Volume/Units: 300 1 cu yards
3. Proper Shipping Name: Contaminated Soil Non Haz. Solid
4. Hazard Class: None 5. I.D. #: _____
6. Additional Description: (_____)
7. Method of Shipment: Bulk Liquid Bulk Solid Drum (Type/Size): _____ Other: _____
8. CERCLA Reportable Quantity (RQ): _____ 9. RQ Units (lb/kg): _____
10. USEPA Hazardous Waste? Yes No 11. USEPA Hazardous Waste Number(s): _____
12. State Hazardous Waste? Yes No 13. State Hazardous Waste Number(s): _____

F. GENERATOR CERTIFICATION

By signing this profile sheet, the generator certifies that unless clearly stated above or in attachments:
1. This waste is not a "Hazardous Waste" as defined by either 40 CFR 261 or the state in which the waste is now located.
2. This waste is not a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005).
3. This waste is not a Dioxin listed waste as defined by 40 CFR 261.31 (e.g., F020, F021, F022, F023, F026, F027, or F028).
This waste does not contain greater than 1000 ppm halogenated organic compounds.
This waste does not contain regulated quantities of PCB's (Polychlorinated Biphenyls).
This sheet and its attachments contain true and accurate descriptions of this waste material. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

X Amy Colwell 8. Title: Waste Management
7. Signature: Amy Colwell 9. Date: 7/25/87
9. Name (Type or Print) 10. Date



V 74390

Waste Profile Sheet Code

Location of Original: _____

(SHADED AREAS FOR CWM USE ONLY)

CWM Sales Rep. #: _____

INSTRUCTIONS FOR COMPLETING THIS FORM ARE ATTACHED.

Return this form to: Clearing Disposal
3800 S. Laramie
Cicero, Illinois 60650
Zip Code: _____

A. GENERAL INFORMATION

1. Generator Name: Elgin Mental Health Center 2. Generator USEPA ID: _____
3. Facility Address: 750 So State Street 4. Generator State ID: _____
Elgin, IL 60123
5. Zip Code: _____
Mail Address: _____
6. Technical Contact: Barry Corbell 7. Title: _____ 8. Phone: () 671-1580

B. MAIL CHEMICAL WASTE MANAGEMENT, INC. INVOICES TO

1. Generating Facility (A, above), or
2. Company Name: Clearing Disposal 3. Phone: () _____
4. Address: 3800 S. Laramie
Cicero, IL 60650
5. Zip Code: _____

C. 1. NAME OF WASTE: Contaminated Waste
2. PROCESS GENERATING WASTE: Tank Removal

D. CLASSIFICATION OF WASTE MATERIAL AND SUPPLEMENTAL INFORMATION (from instructions)

1. This waste material is hazardous non-hazardous
2. The underground storage tank contained: Gasoline
3. The soil is contaminated with: Gasoline
4. Analytical information is submitted with this form.
5. Permit for disposal is requested.
6. Landfill site requested: C.I.D. 138th Calumet Expressway

E. TRANSPORTATION INFORMATION

1. Is this a DOT Hazardous Material? Yes No 2. Anticipated Annual Volume/Units: 300 1 cu yds
3. Proper Shipping Name: Contaminated Soil Non-Haz Solid
4. Hazard Class: None 5. I.D. #: _____
6. Additional Description: (_____)
7. Method of Shipment: Bulk Liquid Bulk Solid Drum (Type/Size): _____ Other: _____
8. CERCLA Reportable Quantity (RQ): _____ 9. RQ Units (lb/kg): _____
10. USEPA Hazardous Waste? Yes No 11. USEPA Hazardous Waste Number(s): _____
12. State Hazardous Waste? Yes No 13. State Hazardous Waste Number(s): _____

F. GENERATOR CERTIFICATION

By signing this profile sheet, the generator certifies that unless clearly stated above or in attachments:
1. This waste is not a "Hazardous Waste" as defined by either 40 CFR 261 or the state in which the waste is now located.
2. This waste is not a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005).
3. This waste is not a Dioxin listed waste as defined by 40 CFR 261.31 (e.g., F020, F021, F022, F023, F026, F027, or F028).
4. This waste does not contain greater than 1000 ppm halogenated organic compounds.
5. This waste does not contain regulated quantities of PCB's (Polychlorinated Biphenyls).
6. This sheet and its attachments contain true and accurate descriptions of this waste material. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

7. Signature: _____
8. Title: _____
9. Name (Type or Print): _____
10. Date: _____



Waste Profile Sheet Code Y-74390

WMI Location of Original: _____

(SHADED AREAS FOR WMI USE ONLY)

WMI Sales Rep. #: _____

This completed form must be returned, with the representative sample, to:

Cleaning Depot
3800 So. Prairie
Chicago, IL 60650

INSTRUCTIONS FOR COMPLETING THIS FORM ARE FOUND ON THE OPPOSITE SIDE. In order to determine whether Waste Management, Inc. can accept the special waste described in the Generator's Waste Material Profile Sheet referenced above, you must obtain and supply us with a representative sample of the waste. We may analyze the sample to verify the information that you have provided to us. A representative sample is defined as a sample obtained using any of the applicable sampling methods specified in 40 CFR 261-Appendix I or an equivalent method. Collect a representative sample of your waste and complete the form below. Apply the peel off label and ship your sample along with this form to the address noted above. If you have any questions regarding obtaining a representative sample of your waste, please refer to the instructions for this form, or contact your Waste Management, Inc. sales representative.

A. SAMPLING METHOD (Indicate which method was employed)

If sampling requirement has been waived by Waste Management, Inc., do not complete this Generator's Certification of Representative Sample form.

- 1. I have obtained a representative sample of the waste material described in the Generator's Waste Material Profile Sheet referenced above according to the sampling methods specified in 40 CFR 261-Appendix I.
- 2. I have obtained a representative sample of the waste material described in the Generator's Waste Material Profile Sheet referenced above using a method equivalent to the sampling methods described in 40 CFR 261-Appendix I.

B. SAMPLE SOURCE (e.g., drum, lagoon, pit, pond, tank, vat) Pile

C. SAMPLE LABEL — COMPLETE LABEL BEFORE REMOVING

1. Waste Profile Sheet Code:	<u>Y-74390</u>	1. Waste Profile Sheet Code:
2. Generator's Name:	<u>Elyria Mental Health Center</u>	2. Generator's Name:
3. Name of Waste:	<u>Contaminated Soil</u>	3. Name of Waste:
4. Sample Hour/Date:	<u>2:00 - 7/17/85</u>	4. Sample Hour/Date:
5. Sampler's Signature:	<u>Arthur J. Hart</u>	5. Sampler's Signature:

6. Print Sampler's Name: Arthur J. Hart
 7. Sampler's Title: Sales Manager
 8. Sampler's Employer (if WMI, see D. below): Cleaning Dep.

D. WITNESS VERIFICATION (if required) In most circumstances you will be obtaining the sample. However, in those cases in which Waste Management, Inc. obtains the sample, one of your employees must be present to direct the particular source to be sampled, to witness the sampling, and to complete this Part D.

I was personally present during the sampling described. I directed the waste source to be sampled, and I verify the information noted above.

1. Witness' Signature: _____
 2. Witness' Name: _____
 3. Witness' Title: _____
 4. Witness' Employer: _____
 5. Date: _____

DEFINITION OF SPECIAL WASTE

WASTE PROFILE CODE

Special wastes as defined below:

any waste from a commercial or industrial activity meeting any of the following description:

Waste in a drum, portable tank, lugger box, roll-off box, tank, bulk tank or, etc. listed in B, p. below

solvent liquids,

Waste

- a. Waste from an industrial process.
- b. Waste from a pollution control process.
- c. Residue and debris from the cleanup of a spill of a chemical substance or commercial product or a waste listed in a, c, or g.
- d. Contaminated residual or sludges from the cleanup of a facility generating, storing, treating, recycling, or disposing of waste listed in a, b, c, or g.

Incidental Variants of Special Waste

The creator for a group of plant room containers will produce some "Type B Special Waste" as defined below. Incidental quantities of "Type B Special Waste" do not require a Generator's Type B Special Waste Profile Sheet (Form WMA-1002PB) to be signed by the generator. He should, however, note on his manifest only the type and amount of Type B Special Waste which will be presented to the Contractor for incidental amounts, by completing the box in the lower right corner.

Type B Special Waste from any waste from a commercial or industrial activity meeting the description which follows:

- a. Residue from a job, or from building demolition or cleaning; wall board, wall spray, coverings, pipe insulation, etc., contained in drums, roll-off boxes, or portable tanks unless it has been processed, handled or used in such a way that it is no longer hazardous.
- b. Commercial product or chemicals which are off-specification, unlabeled, unused or damaged. Only drums of off-specification or contaminated liquids, single producers in original container containers, are not included in this category. Other containers of liquids, solids, or products or chemicals are included unless the container is empty or completely vented.

If a waste has been removed that can be removed using the practice commonly employed to remove materials from the type of container, i.e., pouring, pumping or squirting, and an end handle or removal device remains in the container, the following conditions must be met: (1) The container must be completely emptied or vented. (2) The container must be triple rinsed. (3) The container must be triple rinsed.

ALL TYPES OF VARIOUS WASTES must be triple rinsed with an appropriate solvent or water. The triple rinsing must be done in the following order: (1) triple rinsed with an appropriate solvent or water, (2) triple rinsed with water, (3) triple rinsed with water. The triple rinsing must be done in the following order: (1) triple rinsed with an appropriate solvent or water, (2) triple rinsed with water, (3) triple rinsed with water.

Biomedical Waste - Any waste capable of inducing infection due to contamination with microorganisms from a hospital, medical laboratory, but not limited to a medical practitioner, hospital, medical clinic, nursing home, university, health association, veterinary, residential, veterinarian, veterinary hospital or animal testing laboratory. Sharps from these sources must be placed in needle puncture proof containers. Refer to the manual of instructions for use of these containers.

Biomedical Waste - Any wastes from a bio-medical source including but not limited to a hospital, medical clinic, nursing home, mortuary, taxidermist, veterinarian hospital, animal testing laboratory, or university laboratory. Infectious materials must be heat treated or otherwise heat treated or sterilized so that they are no longer capable of inducing infection. Infectious materials must be rendered harmless or placed in needle puncture proof containers. Infectious materials from a pipe and food service grease traps, or wash water and water used for commercial laundry, must be managed as a liquid waste and managed at commercial or public treatment and disposal facility.

Equipment removed from service, if complete: filter, cathode ray tube, lab equipment, x-ray film, tanks, etc. must be triple rinsed.

Equipment removed from service, if dismantled: industrial process equipment or facilities contaminated with chemicals, or the residual liquid or chemical waste removed or drained from such equipment or facilities are "Type B Special Waste."

THE GENERATOR HEREBY DECLARES THAT HE HAS READ THE FOREGOING DEFINITION AND HAS IDENTIFIED THE TYPE AND AMOUNT OF ANY TYPE B WASTE STREAMS PRODUCED IN INCIDENTAL VARIANTS.

325.00

PLEASE TYPE

(Form designed for use on either 12-inch typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. _____ Manifest Document No. _____ 2. Page 1 of _____ Information required by Federal law, but is required by Illinois law

3. Generator's Name and Mailing Address Location If Different: **Elgin Mental Health Ctr**
50 S. State St.
Elgin, IL 60123 312 742-1040

4. Generator's Phone No. _____ 5. Transporter 1 Company Name **Ozinga Cartage Co.** 6. US EPA ID Number _____ 7. Transporter 2 Company Name _____ 8. US EPA ID Number _____ 9. Designated Facility Name and Site Address **CID #2**
130th & Calumet Expwy.
Calumet City, IL 10. US EPA ID Number _____

A. Illinois Manifest Document Number **3179560** MANIFEST FEE EXEMPT
B. Illinois Generator's ID **0 89 4 3 85 115**
C. Illinois Transporter's ID **1 070**
D. Illinois Facility's ID **0 3 16 00 0 030**
E. Illinois Transporter's Phone _____
F. Illinois Facility's Phone **312 646-6660**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	Waste No.
	No.	Type			
a. Contaminated Soil non-hazardous solid petroleum product	00 1	D		z	EPA HW Number 07 00 0 1 Authorization Number XX
b.					EPA HW Number XX Authorization Number XX
c.					EPA HW Number XX Authorization Number XX
d.					EPA HW Number XX Authorization Number XX

Additional Descriptions for Materials Listed Above: **1st Load 15 yds 3rd Load**
2nd Load 4th Load

K. Handling Codes for Wastes Listed Above in Item 11: **Gallons 2 - Cubic Yards**

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **JAMSE P. CONWAY** Signature: *Jamse P. Conway* Date: **11 03 89**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **HT. BELL** Signature: *HT. Bell* Date: **11 03 89**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: _____ Signature: _____ Date: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: _____ Signature: _____ Date: _____

This Agency is authorized to recover, pursuant to Illinois Revised Statutes, Chapter 111, Section 21, the US information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Fabrication of the information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Waste Management Center.

Use of a spill call the Illinois Office of Emergency Response at 217/782-3637 and the National Response Center at 800/424-8802 or 202/426-2675.

Form designed for use on blue (12-pitch) typewriter.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. Manifest Document No.

2. Page 1 of Information in the shaded areas is not required by Federal law, but is required by Illinois law.

3. Generator's Name and Mailing Address Location If Different:

A. Illinois Manifest Document Number MANIFEST FEE EXEMPT

Origin Mental Health Ctr 750 S. State St. Chicago, IL 60623 312 762-1040

B. Illinois Generator's ID 0 89 4 2 85 115

4. Shipping Name, Hazard Class, and ID Number

C. Illinois Transporter's ID 1 070

5. Transporter 1 Company Name Ozinga Cartage Co. US EPA ID Number

D. Illinois Transporter's ID 322 396-3270

7. Transporter 2 Company Name US EPA ID Number

E. Illinois Facility's ID 0 3 16 00 0 030

9. Designated Facility Name and Site Address CID #2 138th & Calumet Rpxwy. Calumet City, IL US EPA ID Number

F. Illinois Facility's Phone 312 546-6660

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type

13. Total Quantity 14. Unit WT/Vol

a. Contaminated Soil non-hazardous solid petroleum product 00 1 D

EPA HW Number: XX Authorization Number: 07 00 10

b. 00 1 D

EPA HW Number: XX Authorization Number:

c. 00 1 D

EPA HW Number: XX Authorization Number:

d. 00 1 D

EPA HW Number: XX Authorization Number:

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway.

17. Transporter 1 Acknowledgement of Receipt of Materials

18. Transporter 2 Acknowledgement of Receipt of Materials

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name Signature Date

Printed/Typed Name Signature Date

Printed/Typed Name Signature Date

Printed/Typed Name Signature Date

Printed/Typed Name Signature Date

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Printed/Typed Name Signature Date

Printed/Typed Name Signature Date

Printed/Typed Name Signature Date

Printed/Typed Name Signature Date

In case of a spill call the Illinois Office of Emergency Response at 217/782-3637 and the National Response Center at 800/424-8802 or 202/426-2675.

This Agency is authorized to release, pursuant to Illinois Revised Statutes, Chapter 111a, Section 21, the information submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner of a vehicle of not to exceed \$25,000 per day of violation. Publication of this information may result in a fine up to \$20,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Federal Management Center.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. _____ Manifest Document No. _____

2. Page 1 of _____ Information in the shaded areas is not required by Federal law, but is required by Illinois law.

3. Generator's Name and Mailing Address: **Wgin Mental Health Ctr**
10 S. State St.
Chicago, IL 60623 312 742-1040

Location if Different: _____

4. Generator's Phone No. _____

5. Transporter 1 Company Name: **Ozinga Cartage Co.** US EPA ID Number _____

6. Transporter 1 Phone No. _____

7. Transporter 2 Company Name _____ US EPA ID Number _____

8. Transporter 2 Phone No. _____

9. Designated Facility Name and Site Address: **CID 12**
138th & Calumet Expwy.
Calumet City, IL US EPA ID Number _____

10. Facility's Phone No. **312 646-6660**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	13. Total Quantity	14. Unit (Lit/Wt)	15. Waste No.	16. EPA HW Number
					17. EPA HW Name
Contaminated soil non-hazardous solid petroleum product	001	20015	z	07100101	XXI
					XXI
					XXI
					XXI

18. Additional Descriptions for Materials Listed Above:

1st Load 3rd Load
 2nd Load 4th Load

19. Handling Codes for Wastes Listed Above:
 1 = Gallons 2 = Cubic Yards

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: *William H. Green* Signature: *William H. Green* Date: *11/10/89*

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: *Bill Kerner* Signature: *Bill Kerner* Date: *11/10/89*

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name: _____ Signature: _____ Date: _____

19. Discrepancy Indication Space

Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: *Denise Stach* Signature: *Denise Stach* Date: *11/10/89*

IN CASE OF A SPILL CALL THE ILLINOIS OFFICE OF HAZARDOUS WASTE AT 312-243-9799

PLEASE TYPE

Form designed for use on 8 1/2 x 11 (12-pitch) typewriter

EPA Form 8700-22 (Rev. 9-88)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. _____ Manifest Document No. _____		2. Page 1 of _____ Information in the shaded areas is not required by Federal law, but is required by Illinois law	
3. Generator's Name and Mailing Address Elgin Menatl Health Ctr 750 S. State St. Elgin, IL 60123, 312 742-1040		Location If Different:		A. Illinois Manifest Document Number IL3244981 MANIFEST FEE EXEMPT	
4. Generator's Phone		6. US EPA ID Number		B. Illinois Generator's ID 0 89 4 3 85 115	
5. Transporter 1 Company Name Ozinga Cartage Co.		8. US EPA ID Number		C. Illinois Transporter's ID 312 396-3270 Transporter's Phone	
7. Transporter 2 Company Name		10. US EPA ID Number		D. Illinois Transporter's ID Transporter's Phone	
9. Designated Facility Name and Site Address CID #2 138th & Calumet Expwy. Calumet City, IL		13. Total Quantity		E. Illinois Facility's ID Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		F. Illinois Facility's ID 0 316 00 0 030 Facility's Phone 312 646-6660	
a. Contaminated Soil non-hazardous solid petroleum product		100 1 D		14. Unit wt/vol 2	
b.				Waste No. XX	
c.				EPA ID Number XX	
d.				Authorization Number XX	
Additional Descriptions for Materials Listed Above 1st Load 15 yds 3rd Load 2nd Load 15 yds 4th Load		K. Handling Codes for Wastes Listed Above in Item 11 1 = Gallons 2 = Cubic Yards			
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name PETER STEIN		Signature <i>Peter Stein</i>		Date 11/03/89	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name SCOTT BUSSE		Signature <i>Scott Busse</i>		Date 11/03/89	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space					
J. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name Carl Meyer		Signature <i>Carl Meyer</i>		Date 11/03/89	

GENERATOR

TRANSPORTER

FACTOR

IN CASE OF A SPILL CALL THE ILLINOIS OFFICE OF ENVIRONMENTAL SERVICES

The Agency is authorized to require, pursuant to State Natural Resources, Chapter 111a, Section 21, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Failure to submit this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 6 years. This form has been approved by the Federal Government.

Manifest Document No. 2. Page 1 of 1 Information in the shaded area is not required by Federal law, but is required by Illinois law.

Address: **Genatl Health Ctr**
750 S. State St.
Elgin, IL - 60123 Location If Different: **312 742-1040**

4. Generator's Phone: **312 742-1040**

5. Transporter 1 Company Name: **Ozinga Cartage Co.** 6. US EPA ID Number: _____

7. Transporter 2 Company Name: _____ 8. US EPA ID Number: _____

9. Designated Facility Name and Site Address: **CID #2**
138th & Calumet Expwy.
Calumet City, IL. 10. US EPA ID Number: _____

A. Illinois Manifest Document Number: **IL 3244982** MANIFEST FEE EXEMPT

B. Illinois Generator's ID: **0 09 4 3 05 115**

C. Illinois Transporter's ID: **1 070**

D. **312 396-3270** Transporter's Phone

E. Illinois Transporter's ID: _____

F. _____ Transporter's Phone

G. Illinois Facility's ID: **0 3 16 00 0 030**

H. Facility's Phone: **(312) 646-6660**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit (Lb/No)	15. Waste No.
	No.	Type			
a. Contaminated Soil non-hazardous solid petroleum product	00 1	D T	30	Z	07 00 0 1
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

1st Load 15 yds 3rd Load
2nd Load 15 yds 4th Load

K. Handling Codes for Wastes Listed Above in Item # 14
1 = Gallons 2 = Cubic Yards

15. Special Handling Instructions and Additional Information

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Printed/Typed Name: **PETER STEIN** Signature: *Peter Stein* Date: **11/13/89**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: **TERRY VAN CUREN** Signature: *Terry Van Curen* Date: **11/13/89**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: _____ Signature: _____ Date: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: **Carl Westman** Signature: *Carl Westman* Date: **11/13/89**

GENERATOR
TRANSPORTER
FACILITY

Emergency Response at 217/782-3637 and the National Response Center at 800/424-8802 or 202/426-2675.

Agency is authorized to receive, pursuant to Illinois Revised Statutes, Chapter 111N, Section 21, and the information be submitted to the Agency fails to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Furnishing of the information may result in a fine up to \$50,000 per day of violation and imprisonment up to 6 years. This form has been approved by the Form Management Center.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

Information in the shaded areas is not required by Federal law, but is required by Illinois law.

3. Generator's Name and Mailing Address
Elgin Menard Health Ctr
750 S. State St.
Elgin, IL 60123

Location If Different:

312 742-1040

A. Illinois Manifest Document Number
IL 3244983
MANIFEST FEE EXEMPT

B. Illinois Generator's ID
0 09 4 3 85 115

C. Illinois Transporter's ID
1 070

D. **312 396-3270** Transporter's Phone

E. Illinois Transporter's ID

F. **0 3 16 00 0 030** Transporter's Phone

G. Illinois Facility's ID

H. **312 646-6660** Facility's Phone

4. Transporter 1 Company Name
Ozinga Cartage Co.

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
CID #2
138th & Calumet Expwy.
Calumet City, IL

10. US EPA ID Number

11. US DOT Description (including proper shipping name, hazard class, and ID number)

12. Containers

13. Total Quantity

14. Unit

15. Waste No.

a. **Contaminated Soil non-hazardous solid petroleum product**

00 1 D 7

07 00 0 1

Z

EPA HW Number
Authorization Number

EPA HW Number
Authorization Number

EPA HW Number
Authorization Number

EPA HW Number
Authorization Number

Additional Descriptions for Materials Listed Above

1st Load

3rd Load

2nd Load

4th Load

K. Handling Codes for Wastes Listed Above

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2 = Cubic Yards

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Printed/Typed Name
ETHEL STEIN

Signature
Ethel Stein

Date
1/19/84

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
SUZANNE DRASMAN

Signature
Suzanne Drasman

Date
1/19/84

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature

Date

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Date

This Agency is authorized to certify, pursuant to Illinois Revised Statutes Chapter 1119 Section 21, that the information so submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or generator of not to exceed \$25,000 per day of violation. Fabrication of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Federal Management Center.

In case of a spill call the Illinois Office of Emergency Response at 217/762-3637 and the National Response Center at 800/424-8802 or 202/426-2073.

Location If Different:

by Illinois law

A. Illinois Manifest Document Number
IL 3248991 MANIFEST FEE EXEMPT

B. Illinois Generator ID
19 89 4 3 05 115

C. Illinois Transporter's ID
312 396-3270

E. Illinois Transporter's ID
312 646-6660

G. Illinois Facility ID
0 3 16 00 0 030

H. Facility's Phone
312 646-6660

Origin Mental Health Ctr
750 S. State St.
Chicago, IL 60123 312 742-1040

5. Transporter 1 Company Name
Ozinga Cartage Co.

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
**CID #2
138th & Calumet Expwy.
Calumet City, IL**

10. US EPA ID Number

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

GENERATOR

a	12. Containers No.	13. Total Quantity	14. Unit W/A	15. Waste ID
Contaminated soil non-hazardous solid petroleum product	001	000.15	2	XX 07 00 10
				XX
				XX
				XX

Additional Descriptions for Materials Listed Above

1st Load 15yd 3rd Load
2nd Load 4th Load

K. Handling Codes for Wastes Listed Above
1 = Gallons 2 = Cubic Yards

TRANSPORTER

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Printed/Typed Name: **PETER STEIN** Signature: *Peter Stein* Date: **11/3/89**

FACILITY

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **JERRY HOWE** Signature: *Jerry Howe* Date: **11-3-89**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Date: **11-3-89**

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: **DENNIS JACHIM** Signature: *Dennis Jachim* Date: **11/03/89**

Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 1118, Section 21, that the information be submitted to the Agency to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Fabrication of the information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. The form has been approved by the Waste Management



217/782-6761

Refer to: LPC # 0894385165 -- Kane County
Elgin/Elgin Mental Health Center
750 South State Street
Incident # 891217
LUST/Technical Reports

June 28, 1990

Mr. William M. Clanin
750 South State Street
Elgin, IL 60120

Dear Mr. Clanin:

The Illinois Environmental Protection Agency has reviewed the June 19, 1990 report prepared by Professional Tank Services, Ltd. regarding the remediation at the site referenced above. This report states that one soil sample was collected from "contaminated soil", presumably the soil that was excavated and disposed of. The Agency guidelines for underground storage tank removals require that a representative number of samples be collected from the excavation side walls and floor.

Soil samples must be gathered and analyzed for benzene, ethylbenzene, toluene, and xylene to determine if sufficient remediation was conducted. Because the excavation has been backfilled, the confirmatory soil samples may be collected from one representative soil boring adjacent to the underground storage tank excavation.

Please submit two copies of work plan to the Agency at the address shown above. Include all "Refer to" information in any correspondence.

Should you have any questions, please feel free to contact me at the above telephone number or Mr. Robert F. Mesec, IEPA contract employee, at Environmental Science & Engineering, Inc., (312) 693-6030.

Sincerely,

Kenneth L. Page, Project Manager
Immediate Removal Unit
Remedial Project Management Section
Division of Land Pollution Control

cc: Division File
Maywood Region
Ken Burch, USEPA - Region V
Robert F. Mesec, ESE

KLP/RFM:mtd
90062508.RFM

11/12
11/12



Illinois Emergency Management Agency

Incident Number 9 4 0 0 2 2

Notify: ILLINOIS EMERGENCY MANAGEMENT AGENCY
1 - 800 / 782 - 7860 or 217 / 782 - 7860

FIELD REPORT

Date: 01 / 04 / 94
Time: 1409
Received by: MS

1. Caller: BOB BOLLER
2. Call back phone#: 708/742-1040 EXT 2562
3. Caller represents: ELGIN MENTAL HEALTH CENTERS
4. Type of incident: Fire Leak or Spill
 Explosion Water Involvement
 Gas or Vapor cloud Other _____
5. Incident Location:
Street 750 SOUTH STATE
City ELGIN In Near
County KANE
Milepost _____ RR River Highway
Sec. _____ Twp. _____ Range _____
6. Area Involved: Highway Rail Fixed Facility
 Waterway Air Other _____
7. Material (s) Involved: SUSPECT PETROLEUM PRODUCT
 Gas Liquid Semi-Solid Solid
 Pesticide Radioactive
CAS #: _____
UN/NA #: _____
Is this a 302 (a) Extremely Hazardous Substance?
 Yes No Unknown
Is this a RCRA Hazardous Waste?
 Yes No Unknown
If Yes, is this a RCRA regulated facility?
 Yes No
8. Container: Truck RR car Drum
 Aboveground tank Pipeline
 Underground tank Other _____
container size: UNKNOWN
9. Amount released: UNKNOWN
Rate of release: _____ / min.
10. Cause of release: DOOR DURING EXCAVATION
11. Estimated spill extent: _____
 square feet square yards
12. Occurred Date: _____ / _____ / _____ Time: _____
 Discovered Date: 01 / 03 / 94 Time: 14
13. Emergency units contacted NONE
 Fire _____
 Sheriff _____
 Police _____
 ESDA _____
 Other _____

14. On Scene Contact: _____
On Scene Phone#: _____
15. No. injured: 0 Haz-mat related
Where taken: _____
16. Public health risks and/or precautions taken,
including # evacuated: 0
17. Assistance needed from State Agencies:
NONE
18. Containment/cleanup actions and plans:
CONTRACTOR TO BE HIRED
19. Weather: sunny overcast night
 ptly. cldy. rain snow
Temp. _____ F wind dir. _____ speed _____ mph.
20. Responsible Party: #3
Contact person: #1
Phone # #2
Mailing address: #5 60123
- Notifications: IEPA/OSEM 1415
- On scene
 Fire _____
 Sheriff _____
 Police _____
 ESDA _____
 Other _____

Handwritten signature/initials

**Illinois Environmental Protection Agency
LEAKING UNDERGROUND STORAGE TANK PROGRAM
20 Day Certification**

*0894385115-Kane
Elgin Mental Health Ctr.
Just*

A. SITE IDENTIFICATION

IEPA Generator Number (10 Digit): _____
(leave blank if unknown)

IEMA #: 940022

Site Name: Elgin Mental Health Center

Site Address (Not a P.O. Box): 750 South State Street

City: Elgin County: Kane

B. CERTIFICATION

In accordance with Title 35 Subtitle G, Part 731.162 the following certification is made:

1. I am/we are the owner and operator of the underground storage tank system(s) from which a release was reported under the IEMA incident correctly identified above;
2. That as much of the regulated substance as necessary to prevent further release to the environment, has been removed;
3. That there has been a visual inspection of any aboveground releases or exposed below ground releases;
4. That further migration of the released substance into surrounding soils and groundwater has been prevented;
5. That monitoring and mitigation of any fire and safety hazards posed by vapors or free product that have migrated from the UST excavation zone and entered into substance structures (such as sewers or basements) will continue;
6. That hazards posed by contaminated soils that are excavated or exposed as a result of release confirmation, site investigation, abatement or corrective action activities will be remediated;
7. That if the treatment remedies include treatment or disposal of soils, the owner/operator will comply with 35 Illinois Administrative Code, Subtitle G and other applicable rules and regulations;
8. That measurement for the presence of a release was where contamination is most likely to be present at the UST site;
9. That in selecting sample types, sample locations and measurement methods, the nature of the stored substance, the type of backfill, depth to groundwater and other factors as appropriate for identifying the presence and source of the release has (or will be) considered;
10. That the appropriate procedures will be used to investigate and determine the possible presence of free-product, and begin free-product removal as soon as possible, if applicable, in accordance with Section 731.164;
11. That a summary of the above activities will be provided within 45 days of the confirmation of a release.

NOTE: At least one copy must contain all original signatures.

C. SIGNATURES

OWNER

name: Robert Zoller
title: Chief Engineer
signature: *Robert J. Zoller*
date: 2/17/94

and OPERATOR (if different from Owner)

name: _____
title: _____
signature: _____
date: _____

RECEIVED	
FEB 22 1994	
IEPA/DLPC	

NOTARY PUBLIC

name: *Janet L Moeller*
Robert J. Zoller
date: 2/17/94

Seal:

OFFICIAL SEAL JANET L MOELLER NOTARY PUBLIC STATE OF ILLINOIS MY COMMISSION EXP. NOV. 2, 1996
--

My commission expires Nov 2, 1996

The Agency is authorized to require this information under 415 ILCS 5/4 and 21. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$25,000.00 for each day the failure continues, a fine up to \$50,000.00 and imprisonment up to five years. This form has been approved by the Forms Management Center.

October 11, 1994

Mr. Burr Filson
LUST Section
Bureau of Land
Illinois Environmental Protection Agency
2200 Churchill Road
P.O. Box 19276
Springfield, IL 62794-9276

RECEIVED

OCT 20 1994

IEPA/DLPC

Reference: LPC #0894385115 - Kane County
Elgin Mental Health Center (EMHC)
LUST Incident #940022

Dear Mr. Filson:

On January 3, 1994, during demolition operations at the subject facility, an underground storage tank was encountered. The tank was inadvertently removed, and during the removal residual liquid (apparently petroleum and estimated to be less than 20 gallons) leaked from the tank into the excavation zone. As a result, the EMHC reported a LUST incident to IEMA. A removal permit was subsequently obtained and all appropriate notifications have been filed with the Office of the Illinois State Fire Marshal.

Early corrective actions at the site consisted of the removal of all visually contaminated soil (approximately 20 cubic yards). The soil was disposed of at a licensed special waste landfill. After removal of the soil, grab samples were obtained from the sidewalls and bottom of the excavation and submitted to an environmental laboratory for trace contaminant analysis of BTEX and PNA compounds. The laboratory testing results are summarized in Table 1, attached. A copy of the laboratory report is also attached.

Subsequent interviews with EMHC personnel indicated that the UST was a 1,000-gallon heating oil tank which had been out of use prior to December 31, 1973. As such, the Capital Development Board (State agent for the Elgin Mental Health Center), requested that Patrick Engineering Inc. review P.A. 88-496 to determine the remediation requirements of a heating oil LUST incident. Based upon this review and discussions with IEPA staff, it is apparent that under existing legislation (P.A. 88-496) no additional soil remediation is required. Therefore, the Capital Development Board and the EMHC respectfully request a written response from the IEPA indicating that this incident was closed in accordance with P.A. 88-496.

SCREENED
JJA

Mr. Burr Filson
October 11, 1994

Page 2 of 2

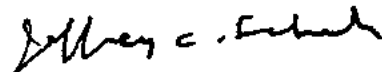
For your information, the EMHC is not seeking reimbursement from the UST Fund. Should you have any further questions or unanswered concerns regarding this incident, please do not hesitate to contact either of the undersigned.

Very truly yours,

PATRICK ENGINEERING INC.



Jerry B. Bowden
Project Geologist



Jeffrey C. Schuh, P.E.
Vice President
Engineering Operations

Attachments: Table 1
Laboratory Report

cc: Mr. Robert Zoller (EMHC)

JBB:smc;clm

ref:h:\464\elg-1\464-iepa.ltr

CAPITAL DEVELOPMENT BOARD



Jack Burkhardt, P.E.
(217) 782-0505 (phone)

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
LUST INCIDENT #940022
ELGIN MENTAL HEALTH CENTER
ELGIN, ILLINOIS

Sample Number		G-001	G-002	G-003	G-004	G-005	Method Detection Limits
Description		North Wall	East Wall	South Wall	West Wall	Bottom	
Depth of Sample (ft.)		8.0	8.0	8.0	8.0	12.0	
Volatile Organic Compounds (VOC's)	Benzene	BDL	BDL	BDL	BDL	BDL	0.002
	Toluene	0.002	0.003	BDL	0.002	0.002	0.002
	Ethylbenzene	0.003	0.004	0.006	0.012	0.009	0.002
	Xylenes (Total)	0.009	0.018	0.030	0.054	0.041	0.002
	Total BTEX	0.014	0.025	0.036	0.068	0.052	
Carcinogenic Polynuclear Aromatic Compounds (PNA's)	Benzo(a)anthracene	1.7	1.8	1.3	0.66	2.7	0.0087
	Benzo(a)pyrene	7.0	0.18	5.4	3.8	0.23	0.015
	Benzo(b)fluoranthene	3.6	3.2	2.6	1.5	4.8	0.011
	Benzo(k)fluoranthene	0.87	3.6	0.44	0.48	1.4	0.011
	Chrysene	BDL	0.25	0.43	0.25	0.64	0.10
	Dibenzo(a,h)anthracene	BDL	0.24	0.34	BDL	BDL	0.020
	Ideno(1,2,3-c,d)pyrene	4.1	3.2	2.9	2.3	5.1	0.029
Non-Carcinogenic PNA's	Acenaphthene	BDL	BDL	BDL	BDL	BDL	1.2
	Anthracene	BDL	BDL	BDL	BDL	BDL	0.66
	Fluoranthene	BDL	0.78	BDL	0.80	1.9	0.66
	Fluorene	BDL	BDL	BDL	BDL	BDL	0.14
	Naphthalene	BDL	BDL	BDL	BDL	1.1	0.66
	Pyrene	3.1	5.1	3.1	3.3	8.8	0.18
Other Non-Carcinogenic PNA's	Acenaphthylene	BDL	BDL	BDL	BDL	BDL	0.66
	Benzo(g,h,i)perylene	4.9	1.0	3.1	3.2	5.1	0.051
	Phenanthrene	BDL	BDL	BDL	BDL	BDL	0.66

NOTES:

1. All concentrations presented are mg/Kg (ppm). All samples were obtained on February 3, 1994.
2. BTEX and PNA's analysis performed by Quality Analytical Labs, Lisle, Illinois as per SW-846 method numbers 8240 (BTEX) and 8310 HPLC (PNA's).
3. "BDL" indicates the analyte was tested for but not detected above the detection limits of the method.
4. All soil samples were obtained on February 3, 1994.



**QUALITY
ANALYTICAL
LABS, INC.**

Project #: 940215
C.O.C. #: 15616
Date : 02/21/94

Patrick Engineering, Inc.
346 Taft Avenue
Glen Ellyn, IL 60137

ATTN: Rod J. Podgett

Sampling Date: 02/03/94

Identification: Five samples taken by Rod J. Podgett
identified as:

**ELGIN MENTAL HEALTH -UST
PROJECT No. 464ELG-1**

Results follow:

Sample ID: G-001, NORTH WALL 940215-01
Analysis Date: 02/09/94

% Moisture: 4.

IEPA Reporting Limits

BTEX Method: SW846 8240 (modified to capillary)
Dry Weight

Parameter	PQL mg/Kg	Analysis mg/Kg
Benzene	0.002	U
Toluene	0.002	0.002
Ethylbenzene	0.002	0.003
m&p-Xylenes	0.002	0.009
o-Xylene	0.002	U

Extraction Date: 02/07/94 Analysis Date: 02/17/94
PNA'S Method: SW-846 8310 HPLC

Parameter	CRDL (mg/Kg)	Dry Weight Analysis (mg/Kg)
Acenaphthene	1.2	U
Acenaphthylene	0.66	U
Anthracene	0.66	U
Benzo(a)anthracene	0.0087	1.7
Benzo(a)pyrene	0.015	7.0
Benzo(b)fluoranthene	0.011	3.6
Benzo(ghi)perylene	0.051	4.9
Benzo(k)fluoranthene	0.011	0.87
Chrysene	0.10	U
Dibenzo(a,h)anthracene	0.020	U
Fluoranthene	0.66	U
Fluorene	0.14	U
Indeno(1,2,3-c,d)pyrene	0.029	4.1
Naphthalene	0.66	U
Phenanthrene	0.66	U
Pyrene	0.18	3.1

"Precision, Accuracy and Service"

Sample ID: G-002, EAST WALL 940215-02

Analysis Date: 02/09/94

% Moisture: 5.

IEPA Reporting Limits

BTEX Method: SW846 8240 (modified to capillary)

Parameter	PQL mg/Kg	Dry Weight
		Analysis mg/Kg
Benzene	0.002	U
Toluene	0.002	0.003
Ethylbenzene	0.002	0.004
m&p-Xylenes	0.002	0.015
o-Xylene	0.002	0.003

Extraction Date: 02/07/94

Analysis Date: 02/17/94

PNA'S

Method: SW-846 8310 HPLC

Parameter	CRDL (mg/Kg)	Dry Weight
		Analysis (mg/Kg)
Acenaphthene	1.2	U
Acenaphthylene	0.66	U
Anthracene	0.66	U
Benzo (a) anthracene	0.0087	1.8
Benzo (a) pyrene	0.015	0.18
Benzo (b) fluoranthene	0.011	3.2
Benzo (ghi) perylene	0.051	3.6
Benzo (k) fluoranthene	0.011	1.0
Chrysene	0.10	0.25
Dibenzo (a, h) anthracene	0.020	0.24
Fluoranthene	0.66	0.78
Fluorene	0.14	U
Indeno (1, 2, 3-c, d) pyrene	0.029	3.2
Naphthalene	0.66	U
Phenanthrene	0.66	U
Pyrene	0.18	5.1



Sample ID: G-003, SOUTH WALL 940215-03

Analysis Date: 02/09/94

% Moisture: 4.

IEPA Reporting Limits

BTEX Method: SW846 8240 (modified to capillary)

Parameter	PQL mg/Kg	Dry Weight Analysis mg/Kg
Benzene	0.002	U
Toluene	0.002	U
Ethylbenzene	0.002	0.006
m&p-Xylenes	0.002	0.025
o-Xylene	0.002	0.005

Extraction Date: 02/07/94

Analysis Date: 02/17/94

PNA'S

Method: SW-846 8310 HPLC

Parameter	CRDL (mg/Kg)	Dry Weight Analysis (mg/Kg)
Acenaphthene	1.2	U
Acenaphthylene	0.66	U
Anthracene	0.66	U
Benzo (a) anthracene	0.0087	1.3
Benzo (a) pyrene	0.015	5.4
Benzo (b) fluoranthene	0.011	2.6
Benzo (ghi) perylene	0.051	3.1
Benzo (k) fluoranthene	0.011	0.44
Chrysene	0.10	0.43
Dibenzo (a, h) anthracene	0.020	0.34
Fluoranthene	0.66	U
Fluorene	0.14	U
Indeno (1, 2, 3-c, d) pyrene	0.029	2.9
Naphthalene	0.66	U
Phenanthrene	0.66	U
Pyrene	0.18	3.1



Sample ID: G-004, WEST WALL 940215-04

Analysis Date: 02/09/94

% Moisture: 5.

IEPA Reporting Limits

BTEX Method: SW846 8240 (modified to capillary)

Parameter	PQL mg/Kg	Dry Weight
		Analysis mg/Kg
Benzene	0.002	U
Toluene	0.002	0.002
Ethylbenzene	0.002	0.012
m&p-Xylenes	0.002	0.045
o-Xylene	0.002	0.009

Extraction Date: 02/07/94 Analysis Date: 02/17/94

PNA'S Method: SW-846 8310 HPLC

Parameter	CRDL (mg/Kg)	Dry Weight
		Analysis (mg/Kg)
Acenaphthene	1.2	U
Acenaphthylene	0.66	U
Anthracene	0.66	U
Benzo (a) anthracene	0.0087	0.66
Benzo (a) pyrene	0.015	3.8
Benzo (b) fluoranthene	0.011	1.5
Benzo (ghi) perylene	0.051	3.2
Benzo (k) fluoranthene	0.011	0.48
Chrysene	0.10	0.25
Dibenzo (a, h) anthracene	0.020	U
Fluoranthene	0.66	0.80
Fluorene	0.14	U
Indeno (1, 2, 3-c, d) pyrene	0.029	2.3
Naphthalene	0.66	U
Phenanthrene	0.66	U
Pyrene	0.18	3.3



Sample ID: G-005, BOTTOM 940215-05

Analysis Date: 02/09/94

% Moisture: 4.

IEPA Reporting Limits

BTEX Method: SW846 8240 (modified to capillary)

Parameter	PQL mg/Kg	Dry Weight
		Analysis mg/Kg
Benzene	0.002	U
Toluene	0.002	0.002
Ethylbenzene	0.002	0.009
m&p-Xylenes	0.002	0.034
o-Xylene	0.002	0.007

Extraction Date: 02/07/94

Analysis Date: 02/17/94

PNA'S

Method: SW-846 8310 HPLC

Parameter	CRDL (mg/Kg)	Dry Weight
		Analysis (mg/Kg)
Acenaphthene	1.2	U
Acenaphthylene	0.66	U
Anthracene	0.66	U
Benzo(a)anthracene	0.0087	2.7
Benzo(a)pyrene	0.015	0.23
Benzo(b)fluoranthene	0.011	4.8
Benzo(ghi)perylene	0.051	5.1
Benzo(k)fluoranthene	0.011	1.4
Chrysene	0.10	0.64
Dibenzo(a,h)anthracene	0.020	U
Fluoranthene	0.66	1.9
Fluorene	0.14	U
Indeno(1,2,3-c,d)pyrene	0.029	5.1
Naphthalene	0.66	1.1
Phenanthrene	0.66	U
Pyrene	0.18	8.8

Respectfully submitted,



Paulius (Paul) T. Alekna
Lab Director
Quality Analytical Labs, Inc.

sy:PA940215





QUALITY ANALYTICAL LABS, INC.

1938-C University Lane • Lisle, IL 60532 • (708) 512-0061

Patrick Engineering

Company Name

346 Tapt Ave, Glen Ellyn, IL

Address

940215

No 15616

CHAIN OF CUSTODY RECORD

PROJECT NUMBER		PROJECT NAME		NO. OF CON-TAINERS	REMARKS
464 E66-7		ELs in mental Health - UST			
SAMPLERS: (Signature)		STATION LOCATION		NO. OF CON-TAINERS	REMARKS
ITEM NO.	STA. NO.	DATE	TIME		
1	6-001	2/2/94		2	Soil Sample ↓
2	6-002	2/3		2	
3	6-003	2/3		2	
4	6-004	2/3		2	
5	6-005	2/3		2	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
Paul J. Pockett		2/1/94 1:30 PM		2/1/94 8:45 AM	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
Paul J. Pockett		2/1/94 9:00 AM		2/1/94 10:30 AM	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
Paul J. Pockett		2/1/94 9:00 AM		2/1/94 10:30 AM	

01
02
03
04
05

EPA - Defined Data Qualifiers

- B** **Compound detected in blank (Normalized concentration)**
Used when blank value exceeds half of the CRDL (PQL).
- C** **Pesticide result confirmed by GC/MSD**
- D** **Compound identified in analysis at a secondary dilution factor**
Used when two or more dilutions of a sample are needed to acquire valid data.
- E** **Compounds concentration exceeds calibration range**
Used when upper level of calibration curve is exceeded by 10%. Analyses greater than 50% of upper calibration level are reanalyzed at a higher dilution.
- J** **Estimated value. Compound detected below the CRDL (PQL).**
- P** **Pesticide or Aroclor analysis where results between analytical and confirmation columns is > 25%.**
- U** **Compound analyzed for but not detected at or above the CRDL (PQL).**
- X** **NON-Specific flag - See definition at the end of the report**

Data Validation Qualifiers

- NJ** **Presumptive evidence of presence of material at an estimated quantity.**
Used when QA/QC failures are present AND data is true. Must be accompanied by NCR
- PND** **Precision Not Determined**
Used when non-approved methods are used to obtain data.
- R** **Reported value is unusable due to gross QA/QC deficiencies.**
- RND** **Recovery Not Determined**
Used when non-approved methods are used to obtain data.
- UJ** **Compound analyzed for but not detected, reported detection limit estimated because QA/QC criteria were not met.**

Detection Limit Definitions

- CRDL** **Contract Required Detection Limits = Detection limits specified by client or agency**
Based on wet weight analysis
- IDL** **Instrument Detection Limit**
Statistically derived detection limit from 7 + analyses of a low level standard near but above the estimated Method Detection Limit.
- MDL** **Method Detection Limit**
 $\text{Instrument Detection Limit} \times \text{End Volume [specified by the method]} / \text{Mass, Volume or Area of the Sample [specified by the method]}$ (Based on wet weight analysis)
- PQL** **Practical Quantitation Limit**
 $\text{Method Detection Limit} \times \text{End Volume [analytical]} / \text{Mass, Volume or Area of the Sample [analytical]}$ (Based on wet weight analysis)



0894385115 - Kane
Elgin Mental Health Ctr
Just

Illinois Environmental Protection Agency Leaking Underground Storage Tank Program

(This form applies only to releases reported to IEMA on or after September 13, 1993)

A. SITE IDENTIFICATION

IEMA #: 940022 IEPA Generator #: 0894385115
Site Name: Elgin Mental Health Center
Site Address (Not a P.O. Box): 750 South State Street
City: Elgin County: Kane

B. RELEASE INFORMATION

- Has the Office of the State Fire Marshal issued a Certificate of Removal or Abandonment pursuant to Section 57.5 of the Illinois Environmental Protection Act (Act)(415 ILCS 5/57.5)?
YES If YES, please attach copy of certificate NO
- Was this incident reported to the Illinois Emergency Management Agency (IEMA) as a result of a confirmed release(s) from USTs taken out of operation prior to January 2, 1974? YES NO
- a. Was this incident reported to IEMA as a result of a confirmed release(s) from a Heating Oil UST(s) used exclusively to store heating oil for consumptive use on the premises where stored and which serves other than a farm or residential unit? YES (Please answer 3.b. below) NO
- b. If you marked "YES" to question 3.a. above, then pursuant to Section 57.1(b) of the Act (415 ILCS 5/57.1(b)), you may elect to proceed in accordance with Title XVI of the Act. Pursuant to 35 Ill. Admin. Code Section 732.101, this election shall be deemed effective upon receipt of this document by the Agency and may not be withdrawn once made.

Elect to proceed
Elect NOT to proceed

DEC 05 1994

IEMA/DLPC

Note to owners/operators:

If you marked "YES" to #1, or #2, above, and you were not ordered by OSFM to conduct (tank) removal, then you are not required to comply with Title XVI of the Illinois Environmental Protection Act. Similarly, if you marked "YES" to #3.a., and elect "Not to proceed" in #3.b., then you are not required to comply with Title XVI (provided that you were not ordered by OSFM to conduct (tank) removal).

C. SIGNATURES

Owner: State of Illinois DMH/DD	Operator:
Name: <u>Mr. Robert Zoller</u>	Name: <u>Same as Owner</u>
Title: <u>Chief Engineer</u>	Title: _____
Address: <u>Elgin Mental Health Center</u>	Address: _____
<u>750 S. State St., Elgin, IL 60123</u>	_____
Signature: <u><i>Robert Zoller</i></u>	Signature: _____
Date: <u>11/30/94</u>	Date: _____
Phone: <u>(708) 742-1040</u>	Phone: _____

Printed on Recycled Paper

SCREENED



OFFICE OF THE STATE FIRE MARSHAL
DIVISION OF PETROLEUM AND CHEMICAL SAFETY
1035 STEVENSON DRIVE
SPRINGFIELD, ILLINOIS 62703-4259

FACILITY # 2-008097
PERMIT # 1969-94 Re
DATE REMOVED 1/3/94
IEMA # 94 0022

PAGE 1 OF 1 III

LOG OF UNDERGROUND STORAGE TANK REMOVAL

OWNER
NAME: Same
ADDRESS: _____
CITY: _____
STATE: Ill ZIP: _____
PHONE: _____

FACILITY
NAME: Elgin Mental Health Center
ADDRESS: 750 S State St
CITY: Elgin
COUNTY: Kane ZIP: 60123
PHONE: 708 742 1040

STATUS: MINOR SIGNIFICANT _____ MAJOR _____ APPEARS TO BE NO RELEASE _____

AREA OF CONTAMINATION: TANK FLOOR _____ WALLS _____ PIPE TRENCH _____ OTHER _____

GROUND WATER CONTAMINATED: YES _____ NO ANY WATER WELLS IN AREA? YES NO _____

NUMBER OF TANKS REMOVED: 1

SIZE OF EACH TANK REMOVED:

PRODUCT STORED:

DOES THIS TANK APPEAR TO HAVE LEAKED? (Y OR N)

NUMBER OF TANKS TO REMAIN IN GROUND: _____

SIZE OF EACH TANK: M M M M M M M M M

PRODUCT STORED: _____

COMMENTS:

tank found during demolition - minor amount of product present - tank removed without permit at that time
Not Witnessed

FORM GIVEN TO

No form given

REMOVAL CONTRACTOR:

NAME: U.S. Demolition Corp
ADDRESS: 3801 N Milwaukee Ave
CITY: Chicago STATE: Ill
PHONE: 912 685 4000 ZIP: 60641
REGISTRATION #: 363 86 8583

RECEIVED

SEP 22 1994

DIV. OF PETROLEUM & CHEMICAL SAFETY

Bruce Ste...
STORAGE TANK SAFETY SPECIALIST

IL Notification for Underground Storage Tanks OFFICE USE ONLY

*A separate form must be used for each site.
 * If you have more than five tanks, photocopy pages 1-5 and attach to this notification form.
 * Please type, or print in ink; the signature under "certification" (section IX) must be signed in ink.

ID NUMBER 2005097
 DATE RECEIVED
 FEB 11 1994

Facility I.D. # (if known) 2-008097 Owner I.D. # (if known) _____

TYPE OF NOTIFICATION

- New Facility Amended (Changes/Corrections/Additional Tanks) Mark all that apply:
- _____ Owner Address Change (this facility only) _____ Tanks Refined (Permit # _____)
- _____ Owner Address Change (all facilities owned) _____ Tanks Installed (Permit # _____)
- _____ New Owner _____ Tanks Upgraded/Repaired (Permit # _____)
- Tank(s) Removed (Permit # 1969-94) _____ Abandonment Notice (Permit # _____)
- _____ Other _____

I. Ownership of Tank(s)

II. Location of Tank(s)
 (if same as Section I, Mark box)

Elgin Mental Health Center

Owner Name (Corp., Individual, Public Agency or other Entity)

750 South State Street

Mailing Address

Elgin IL 60123
 City State Zip

Kane

County

Bob Zoller (708)-742-1040

Contact Name (Area Code) Phone

Street Address or State Road, as applicable (exact address)

City State Zip

County

Contact Name (Area Code) Phone

III. TYPE OF OWNERSHIP (mark all that apply)

- Current Owner of Tanks Ownership Uncertain _____
 Date Purchased _____
- Former Owner Other _____

IV. TYPE OF FACILITY

Type of Facility: (Circle correct code)

- | | | | |
|--------------------------|-----------------------------|---------------------------|---------------------|
| A. Service Station | G. Industrial/Manufacturing | M. City/Town | S. Port District |
| B. Bulk Plant | H. Private Institution | N. County | T. Utility District |
| C. Petroleum Distributor | I. Residence (Non-Farm) | <u>O. State</u> | U. Fire Dept. |
| D. Convenience Store | J. Farm | P. Federal (Military) | V. Other Special |
| Auto Dealer | K. Airport | Q. Federal (Non-Military) | Service Districts |
| E. Commercial/Retail | L. Marina | R. School District | W. Other _____ |
- (Please Specify)

V. Description of Underground Storage Tanks (Complete entire column for each tank)

Tank Identification Number	Tank No. <u>1</u>	Tank No. <u> </u>	Tank No. <u> </u>	Tank No. <u> </u>	Tank No. <u> </u>
Status of Tanks					
Currently in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporarily out of use (Section 2 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permanently out of use (Section 2 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Removed (Section 3 must be completed)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abandoned in place (Section 4 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Tanks Permanently & Temporarily Out of Use Estimated date last used	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
3. Tanks Removed Date tank(s) removed	<u> / / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
Estimated date last used	<u> / / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
4. Abandoned in Place Date tanks filled	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
Tank filled with:					
Inert materials (sand, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
5. Age of Tank Date tank installed	<u> / / ?</u>	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
Date product placed in tank	<u> / / ?</u>	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
6. Estimated Total Capacity (gallons)	<u> 1000 </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
7. Substances Currently or Last Stored:					
Petroleum					
Diesel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Used oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please specify)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Petroleum Use (if applicable):					
Heating oil (consumptive use on premises)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Back-up generator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Hazardous Substance:					
Name of principal CERCLA substance	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Chemical Abstract Service (CAS No.)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

VI. Description of Underground Storage Tanks (Complete entire column for each tank)

Tank Identification Number	Tank No. <u>1</u>	Tank No. <u> </u>	Tank No. <u> </u>	Tank No. <u> </u>	Tank No. <u> </u>
1. Material of Construction (mark all that apply)					
Asphalt coated or bare steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cathodically protected steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dielectric coated steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Composite (steel with fiberglass)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass reinforced plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lined interior	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Double-walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Secondary containment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Steel STI-P3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	_____	_____	_____	_____	_____
2. Piping Materials (mark all that apply)					
Bare steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Galvanized steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass reinforced plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cathodically protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Double-walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Secondary containment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dielectric coating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	_____	_____	_____	_____	_____
3. Piping Type (mark all that apply)					
European suction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
American suction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gravity feed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	_____	_____	_____	_____	_____

Tank Identification Number	Tank No. <u>1</u>		Tank No. <u> </u>		Tank No. <u> </u>		Tank No. <u> </u>		Tank No. <u> </u>	
4. Release Detection (Mark all that apply)	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
Manual tank gauging	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Inventory controls	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Automatic tank gauging	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Vapor monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interstitial monitoring double-walled tank/piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interstitial monitoring /secondary containment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tank tightness testing	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Automatic line leak detector		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Line tightness testing		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Automatic shut-off device		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Continuous alarm system		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
No requirements (European suction)		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Other (please specify)	<hr/>		<hr/>		<hr/>		<hr/>		<hr/>	
5. Corrosion Protection (mark all that apply)	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
Cathodic protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Impressed current	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Secondary containment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exterior coating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass reinforced plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Double-walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interior lining	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Other (please specify)	<hr/>		<hr/>		<hr/>		<hr/>		<hr/>	
6. Spill & Overfill Prevention (Mark all that apply)										
Overfill device	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Automatic shut-off	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Overfill Alarm	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Ball float valve	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Spill containment device	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Other (Please specify)	<hr/>		<hr/>		<hr/>		<hr/>		<hr/>	

VII. Certification of Compliance (Complete for all new, upgraded and relined tanks at this location)

Installation (mark all that apply)					
Installer certified by tank and piping manufacturers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Installer certified or licensed by implementing agency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Installer registered by implementing agency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Installer is the owner of the tank(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Installation inspected by a registered engineer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Installation inspected & approved by implementing agency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturer's installation checklists have been completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Another method allowed by state agency (please specify)	_____	_____	_____	_____	_____

OATH: I certify the information that is provided in section VII is true to the best of my knowledge, and certify that the installation was performed in accordance with all applicable state and federal laws and regulations. (THIS SECTION MAY ONLY BE COMPLETED BY THE CONTRACTOR. SEPARATE OATH MUST BE SUBMITTED FOR EACH ACTIVITY PERFORMED BY DIFFERENT CONTRACTOR.)

Tank No. _____ Permit No. _____

Contractor: _____
 Name Signature (must be original) Date

 Position Company

VIII. Financial Responsibility

Mark all that apply:

Self-Insurance Guarantee Certificate of Deposit

Commercial Insurance Surety Bond Trust Fund

Risk Retention Group Letter of Credit Other Method Allowed

(please specify) _____

IX. Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.

ROBERT ZOLLER - CHIEF ENG. Robert Zoller 9/27/94
 Name and official title of owner or owner's authorized representative (print) Signature (must be original) Date Signed

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, Illinois 62703-4259

FOR OFFICE USE ONLY
 Facility # 2-008097
 Permit # 1969-94REM

JUL 07 1994

PHILIP...
 GLEN ELLYN, IL

Application for Permit to REMOVE
 Underground Storage Tanks for Petroleum and Hazardous Substances

To be completed in quadruplet (one original and 3 copies) and filed with the Division of Petroleum and Chemical Safety, 1035 Stevenson Drive, Springfield, Illinois 62703-4259 (217/785-5878) or (217/785-1020)

1) (Owner of tanks) - Corporation, partnership or other business entity: (Must Be Mailing Address)

~~Capital Development Board~~
 Name SAMIZ AS
401 South Spring Street
 Street Address
Springfield, IL 62706
 City State Zip
 Jack Burkhardt, P.E. (217) 782-0505
 Contact Person Phone

2) (Facility) - name and address where tanks are located:

Elgin Mental Health Center
 Name
750 South State Street
 Street Address
Elgin, IL 60123
 City State Zip County
Bob Zoller (708) 742-1040
 Contact Person Phone

3) (Contractor) - person, firm or company performing work:

U.S. Dismantelment Corp.
 Name
3801 N. Milwaukee Ave.
 Street Address
Chicago, IL 60641 Cook
 City State Zip County
 (312) 685-4000 363-86-8583 5/18/95
 Phone Registration No.

Facility Registration I.D. Number 2-008097
 Waive 30 Days JEMA # 194-0022
 Tank removed 1/31/94 without permit

FOR OFFICE USE ONLY

Permission to remove underground storage tank(s) is hereby granted. Such removal shall not commence until AS DIRECTED. A seventy-two hour (3 working day) notice to this office is required to confirm final date of removal for our inspector to be on site.

9-8-94 W. Dale Tanker
 Approval Date Approved
3-8-95
 Permit Expires

By SK

You must notify ESDA 1-800-782-7860 within 24 hours of tanks or contaminated soil. Removal must be in accordance with acceptable closure requirements and procedure such as API Bulletin 1604. A site assessment must be conducted to determine if a release has occurred.

Removal of Tanks:

- a) Number and size of tanks being removed: 1 - 1,000 Gallon Heating Oil UST
- b) Total number of all tanks removed: 1
- c) Reason for removal of tanks: Out of use prior to December 31, 1973
- d) If tank is leaking, give ESDA incident number: 94-0022
- e) What products were stored in each tank? Heating Oil
- f) If tanks contain products other than petroleum products, please indicate here:
- g) Date each tank was last used? Unknown but prior to December 31, 1973
- h) A written notice of removal of tanks shall be given to the Office of the State Fire Marshal at least 30 days prior to the removal, giving location, number and size of tanks. This application will constitute that 30 day written notice. The 30 day period commences with this application appropriately completed and the fee received in our office.

AUG 22 1994

FEB 02 1994

(Over)



State of Illinois
ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director
217/782-6760

2200 Churchill Road, Springfield, IL 62794-9276

DEC 27 1994

Elgin Mental Health Center
Attn: Robert Zoller
750 S. State Street
Elgin, Illinois 60123

Re: LPC #08943⁸5115 -- Kane County
Elgin/Elgin Mental Health Center
750 South State Street
LUST Incident No. 940022
LUST/TECHNICAL REPORT

Dear Mr. Zoller:

The Illinois EPA is in receipt of the correspondence dated November 30, 1994 and received by the Agency December 5, 1994.

It is indicated in your correspondence that the underground storage tank(s) (UST) at the above referenced site were taken out of service prior to January 2, 1974. Pursuant to Section 57.5(g) of the Illinois Environmental Protection Act (Act), if the Office of the State Fire Marshal (OSFM) does not issue an Order for Removal for an UST that was taken out of service prior to January 2, 1974, owners/operators who report a release from such USTs are not required to perform corrective action at the site.

Based upon information in the Agency's possession, it appears that an Order to Remove the UST(s) was not issued and based on the information provided by the owner/operator, it appears the UST(s) were taken out of service prior to January 2, 1974. Therefore, you are not required to perform corrective action at the site.

It is indicated in your correspondence that Elgin Mental Health Center, owner/operator of the heating oil underground storage tank(s) (UST) at the referenced site, is electing not to perform corrective action at the site. Pursuant to 57.5(g) of the Illinois Environmental Protection Act (Act), if the Office of the State Fire Marshal (OSFM) does not issue an Order for Removal for an UST used exclusively to store heating oil for consumptive use on the premises where stored and which serves other than a farm or residential unit, owners/operators who report an occurrence as a result of a release from such USTs are not required to perform corrective action pursuant to 57.1(b) of the Act.

Based upon information in the Agency's possession, it appears that an Order to Remove the UST(s) was not issued and based upon information provided by the owner or operator, it appears the UST(s) at the referenced site were used exclusively to store heating oil for consumptive use on the premises where stored. Therefore, you are not required to perform corrective action at the site.

SCREENED
JFA

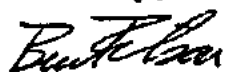
The Agency has no authority to rescind an incident number reported to the Illinois Emergency Management Agency. However, the Agency will make record of your decision to elect not to perform corrective action for the above referenced incident in accordance with Title XVI of the Act.

Please note that if there are additional USTs associated with the above referenced release that were taken out of service after January 1, 1974, and contained substances other than heating oil, the owner or operator is still subject to the requirements of Title XVI of the Act and 35 Illinois Administrative Code Part 732 or 731 for those USTs.

For purposes of appeal, this constitutes the Agency's final decision regarding the above matters.

Should you have any questions or require further assistance, please do not hesitate to contact Steve Putrich of my staff at 217/782-6760.

Sincerely,



Bur Filson, Manager
Northern Unit
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

BF:SP:dks/1610w, 13-14

bcc: Division File
Maywood Region
Steve Putrich

BFISP
Z 250 054 083



Receipt for Certified Mail 24

No Insurance Coverage
Do not use for International Mail
(See Reverse)

PS Form 3800, March 1993

Sent to <i>Elgin Mental Health</i>	
Street and No. <i>750 South State St</i>	
P.O., State and ZIP Code <i>Elgin, IL 60123</i>	
Postage	\$
Certified Fee	<i>1.00</i>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	<i>1.00</i>
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

940022

your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services. *940022*
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address *BFISP*
- 2. Restricted Delivery *24*

Consult postmaster for fee.

3. Article Addressed to:
*Elgin Mental Health
Attn: Robert Zoller
750 S. State St.
Elgin, IL 60123*

4a. Article Number
2250054083

- 4b. Service Type
- Registered Insured
 - Certified COD
 - Express Mail Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

8. Addressee's Address (Only if required and fee is paid)

6. Signature (Agent)
R. G. Hanson

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE

Official Business



PENALTY FOR PRIVATE
USE TO AVOID PAYMENT
OF POSTAGE, \$300



Print your name, address and ZIP Code here

IEPA

MAIL CODE (21)

P. O. BOX 19276

SPRINGFIELD, IL 62794-9276

089438 5115 - KANE
Elgin Mental Health Ch.
WST

JUN-05-98 FRI 13:51 IEMA

FAX NO. 2177827774

P. 01/01



Illinois Emergency Management Agency

Incident Number 9 8 1 3 4 4

FIELD REPORT

Date: 06 / 05 / 98

Time: 1438

Received by: JMO

Notify: ILLINOIS EMERGENCY MANAGEMENT AGENCY
1-800/782-7860 or 217/782-7860

1. Caller: BOB ZOLLER
2. Call back phone#: 847/742-1040 EXT 2562
3. Caller represents: ELGIN MENTAL HEALTH DEPT. HUMAN SERVICES
4. Type of incident: Fire ~~Leak~~ Spill-POSSIBLE
 Explosion Water Involvement
 Gas or Vapor cloud Other
5. Incident Location:
Street 750 SOUTH STATE
City ELGIN 60123 938 N In Near
County KANE 089
Milepost RR River Highway
Sec. Twp. Range
6. Area Involved: Highway Rail Fixed Facility
 Waterway Air Other
7. Material (s) Involved: DIESEL FUEL
 Gas Liquid Semi-Solid Solid
 Pesticide Radioactive
CAS #: 0000000016
UN/NA #:
Is this a 302 (a) Extremely Hazardous Substance?
 Yes No Unknown
Is this a RCRA Hazardous Waste?
 Yes No Unknown
If Yes, is this a RCRA regulated facility?
 Yes No
8. Container: Truck RR car Drum
 Aboveground tank Pipeline
 Underground tank Other
container size: 1-500 GAL
9. Amount released: LESS THAN 1 GALLON EST.
Rate of release: / min.
10. Cause of release: APPEARS FUEL DELIVERY PERSON OVERFILLED-SPILL WAS NEAR VENT
11. Estimated spill extent: 2FT BY 2 FT
 square feet square yards
12. Occurred Date: / / Time:
 Discovered Date: 05 / 27 / 98 Time: 1330

14. On Scene Contact:
On Scene Phone#:
- No. injured: 0 Haz-mat related
Where taken:

16. Public health risks and/or precautions taken, including # evacuated: NONE

17. Assistance needed from State Agencies: CAPITAL DEVELOPMENT BOARD MANAGING THE PROJECT

18. Containment/cleanup actions and plans: SOIL SAMPLES TAKEN AND EXCAVATION FOR OLD TANK COMPLETED
SOIL SAMPLES WERE CLEAN

19. Weather: sunny overcast night
 pty. cldy. rain snow
Temp. F wind dir. speed mph.

20. Responsible Party: #3
Contact person#1
Phone # #2
Mailing address: #5

Notifications: IEMA/OSFM/IDPH/REGION 3

13. Emergency units contacted
 Fire
 Sheriff
 Police
 ESDA
 Other

- On scene
 Fire STATE FIRE MARSHALL FOR TANK REMOVAL
 Sheriff
 Police
 ESDA
 Other

SCREENED

0894385115 - Kane

authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/7 - 57.17). Failure to disclose this information is a Class 4 felony. Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/4, 5/7 - 57.17). This form has been approved by the Forms Management Center.

Edgin Mental Health Dept.
Human Services

Underground Storage Tank Owner/Operator:

Please indicate below the type of plan/report that is being submitted to the Agency at this time. This form must be attached to all plans and reports submitted to the Agency pursuant to 35 Ill. Adm. Code 732 and 415 ILCS 5/57-57.17. Please check all that apply. *Just Tech*

20 Day Certification XX

45 Day Report _____

Free Product Removal Report _____

	Initial	Amended
	Submittal	Submittal

Site Classification Plan _____

Site Classification Plan Budget _____

Site Classification Completion Report _____

Groundwater Monitoring Plan (Low Priority) _____

Groundwater Monitoring Plan Budget (Low Priority) _____

Groundwater Monitoring Results (Low Priority) _____

Professional Engineer Certification (Low Priority) _____

Corrective Action Plan (High Priority) _____

Corrective Action Plan Budget (High Priority) _____

Corrective Action Completion Report (High Priority) _____

Professional Engineer Certification (High Priority) _____

Corrective Action Completion Report
(35 IAC Section 732.300(b), 732.400(b) or (c)) _____

Professional Engineer Certification
(35 IAC Section 732.300(b), 732.400(b) or (c)) _____

RECEIVED
JUN 30 1998
IEPA/BOL

I certify under penalty of law that this document was prepared by me or under my direction or supervision. This information is to the best of my belief and knowledge, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine for knowing violations.

Owner

Name: Ben Grisham

Title: Department of Human Services

Signature: Ben Grisham

Date: 6/26/98

Operator

Name: Benny Grisham

Title: Regional Chief Eng.

Signature: Benny Grisham

Date: 6/26/98

SCREENED
MM

required to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/7 - 5/7.17). Failure to disclose this information may result in a civil penalty of not to exceed \$30,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/7.17). Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/7.17). This form has been approved by the Form Management Center.

**Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
20 Day Certification**

A. Site Identification

IEMA Incident # (6 digit): 981344 IEPA Generator # (10 digit): _____

Site Name: Elgin Mental Health Center

Site Address (Not a P.O. Box): 750 South State Street

City: Elgin County: Kane

B. Certification

1. I am/we are the owner and operator of the underground storage tank system(s) from which a release was reported under the IEMA incident correctly identified above;
2. As much of the regulated substance as necessary to prevent further release to the environment has been removed;
3. There has been a visual inspection of any above ground releases or exposed below ground releases;
4. Further migration of the released substance into surrounding soils and groundwater has been prevented;
5. Monitoring of any fire and safety hazards posed by vapors or free product that have migrated from the UST excavation zone and entered subsurface structures (such as sewers or basements) will continue;
6. Hazards posed by contaminated soils that are excavated or exposed as a result of release confirmation, site investigation, abatement or corrective action activities have been remedied;
7. If the treatment remedies included treatment or disposal of soils, the owner/operator has complied with 35 Ill. Adm. Code Parts 722, 724, 725, and 807 through 815;
8. Measurement for the presence of a release has been conducted where contamination was most likely to be present at the UST site;
9. In selecting sample types, sample locations and measurement methods, the nature of the stored substance, type of backfill, depth to groundwater and other factors as appropriate for identifying the presence and source of the release have been considered;

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JUN 30 1998
IEPA/BOL

10. The investigations to determine the possible presence of free product, and begin free product removal as soon as possible, if applicable, in accordance with 35 Ill. Adm. Code Section 731.164 or 732.203;

C. Signatures

Owner

Name: Mr. Ben Grisham

Title: Dept. of Human Services

Address: 100 North Ninth St., Room 104
Springfield, IL 62765

Phone: (217) 785-4922

Signature: *Ben Grisham*

Date: 6/24/98

Operator

Name: _____

Title: _____

Address: _____

Phone: _____

Signature: _____

Date: _____

Consultant

Firm: Patrick Engineering Inc.

Contact: Ms. Connie Sirota

Title: Environmental Engineer

Address: 4985 Varsity Drive

Lisle, IL 60532

Phone: (630) 434-7050

Signature: *Connie Sirota*

Date: 6/24/98

0894385115 - Kane
Elgin Mental Health Center
WST



JUL-13-98 MON 16:10 IEMA
Illinois Emergency Management Agency

FAX NO. 2177827774

P. 01/01

Incident Number 9 8 1 6 9 9

FIELD REPORT

Notify: ILLINOIS EMERGENCY MANAGEMENT AGENCY
1 - 800 / 782 - 7860 or 217 / 782 - 7860

Date: 07 / 13 / 98
Time: 1603
Received by: HS

- 1. Caller: MIKE BERLIN
- 2. Call back phone#: 847/742-1040 EXT 2560
- 3. Caller represents: DES ELGIN MENTAL HEALTH CENTER
- 4. Type of incident: Fire Leak or Spill
 Explosion Water Involvement
 Gas or Vapor cloud Other
- 5. Incident Location:
Street: 750 SOUTH STATE STREET
City: ELGIN 438 In Near
County: KANE 089
Milepost: _____ RR River Highway
Sec. _____ Twp. _____ Range _____
- 6. Area Involved: Highway Rail Fixed Facility
 Waterway Air Other
- 7. Material (s) Involved: DIESEL FUEL
 Gas Liquid Semi-Solid Solid
 Pesticide Radioactive
CAS #: 000000016
UN/NA #: _____
Is this a 302 (a) Extremely Hazardous Substance?
 Yes No Unknown
Is this a RCRA Hazardous Waste?
 Yes No Unknown
If Yes, is this a RCRA regulated facility?
 Yes No
- 8. Container: Truck RR car Drum
 Aboveground tank Pipeline
 Underground tank Other
container size: 2-1000 GAL.
- 9. Amount released: UNKNOWN
Rate of release: _____ / min.
- 10. Cause of release: FAILED TIGHTNESS TEST
- 11. Estimated spill extent: UNKNOWN
 square feet square yards
- 12. Occurred Date: _____ Time: _____
 Discovered Date: 07 / 13 / 98 Time: 0800

- 14. On Scene Contact: #1
On Scene Phone#: #2
- 15. No. injured: -0- Haz-mar related
Where taken: _____
- 16. Public health risks and/or precautions taken,
including # evacuated: -0-
- 17. Assistance needed from State Agencies:
NONE
- 18. Containment/cleanup actions and plans:
CONTRACTOR TO BE HIRED
- 19. Weather: sunny overcast night
 part. cldy. rain snow
Temp. _____ F wind dir. _____ speed _____ mph.
- 20. Responsible Party: #3
UNKNOWN AT THIS TIME
Contact person: #1
Phone #: #2
Mailing address: #5 60123
- Notifications: IEPA/OSFM/IDPH/REGION 3 FAXED

- 13. Emergency units contacted NONE
 Fire
 Sheriff
 Police
 ESDA

- On scene
 Fire
 Sheriff
 Police
 ESDA
 Other

SCREENED

0894385115-KANE
Elgin Mental Health
4985 Varsity Drive
Lisle, IL 60532-4144
Tel: (630) 434-7050
FAX: (630) 4-8500

**TRANSMITTAL
LETTER**

Date: 7/24/98
Project Name: Elgin Mental Health Center
Project No: 774 .00-59

RECEIVED
JUL 28 1998
IEPA/BOL
Hosted

TO: Illinois Environmental Protection Agency Subject: Elgin Mental Health Center
LUST Section 45-Day Report , LUST Incident
1021 N. Grand Avenue East No. 981344
Springfield, IL 62794-9276

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

Plans Copy of letter Request for proposal
 Specifications Report Change order
 Shop Drawings Samples Payment request
 Other: _____

COPIES	DATE	NO.	DESCRIPTION
2	6/98	774 .00-59	Elgin Mental Health Center
			45-Day Report , LUST Incident
			No. 981344

THESE ARE TRANSMITTED As requested For review and comment - please take the following action:
 For your use call or fax your comments
 For approval FOR BIDS DUE _____ 19 _____

REMARKS Hello --
Enclosed is the 45-Day Report for the Elgin Mental Health Center in
Elgin, IL. This Report is in reference to the Chiller House tank, LUST Incident No. 981344.

Thank You!

REPORT COPIES TO file; A.Bauer [CDB]; B.Zoller
[EMHC]; B.Grisham [DHS];
IEPA

SIGNED: 
TITLE: Environmental Engineer

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SCREENED
MM

**45-DAY REPORT
IEMA LUST INCIDENT
NO. 981344**

**CHILLER HOUSE
550-GALLON DIESEL
UNDERGROUND
STORAGE TANK**

**ELGIN MENTAL HEALTH
CENTER
ELGIN, ILLINOIS
RECEIVED**

JUL 28 1998

IEPA/BOL

**PREPARED FOR
CAPITAL
DEVELOPMENT BOARD**

**PATRICK ENGINEERING
INC.
PROJECT NO. 774.00-59**

JULY 1998

**PATRICK
ENGINEERING INC.**

Transportation
Infrastructure
Environmental
Planning
Architecture
Design/Build
Surveying

**SCREENED
MM**

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/57.17). This form has been approved by the Forms Management Center.

Underground Storage Tank Owner/Operator:

Please indicate below the type of plan/report that is being submitted to the Agency at this time. This form must be attached to all plans and reports submitted to the Agency pursuant to 35 Ill. Adm. Code 732 and 415 ILCS 5/57-57.17. Please check all that apply.

20 Day Certification _____

45 Day Report XX

Free Product Removal Report _____

Initial Amended
Submittal Submittal

Site Classification Plan _____

Site Classification Plan Budget _____

Site Classification Completion Report _____

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Groundwater Monitoring Plan (Low Priority) _____

Groundwater Monitoring Plan Budget (Low Priority) _____

IEPA/BOL

Groundwater Monitoring Results (Low Priority) _____

Professional Engineer Certification (Low Priority) _____

Corrective Action Plan (High Priority) _____

Corrective Action Plan Budget (High Priority) _____

Corrective Action Completion Report (High Priority) _____

Professional Engineer Certification (High Priority) _____

Corrective Action Completion Report
(35 IAC Section 732.300(b), 732.400(b) or (c) _____

Professional Engineer Certification
(35 IAC Section 732.300(b), 732.400(b) or (c) _____

I certify under penalty of law that this document was prepared by me or under my direction or supervision. This information is to the best of my belief and knowledge, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine for knowing violations.

Owner

Operator

Name: Ben Grisham

Name: _____

Title: Department of Human Services

Title: _____

Signature: Benny Grisham

Signature: _____

Date: 7/20/98 7/20/98

Date: _____

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/7 - 5/7.17). Failure to disclose this information may result in a civil penalty of not to exceed \$30,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/7.17). This form has been approved by the Forms Management Center.

Illinois Environmental Protection Agency Leaking Underground Storage Tank Program 45 Day Report

A. Site Identification

IEMA Incident # (6 digit): 981344 IEPA Generator # (10 digit): 0894385115

Site Name: Elgin Mental Health Center RECEIVED

Site Address (Not a P.O. Box): 750 South State Street JUL 28 1998

City: Elgin County: Kane IEPA/BOL

B. Release Information

1. Will the owner/operator seek reimbursement from the Underground Storage Tank Fund? Yes ___ No X

2. Identify the material(s) released: Diesel fuel

3. The material(s) released was (check all that apply):

- a. Petroleum X
- b. Nonpetroleum _____

4. Is this report intended to serve as the Corrective Action Completion Report? Yes ___ No X

C. Early Action

1. What was the volume of backfill material excavated? 34 yds³

2. What was the volume of native soil excavated? 0 yds³

3. Was groundwater encountered at the site? Yes ___ No X

4. Did the groundwater exhibit a sheen? Yes ___ No ___

5. Was free product encountered? Yes ___ No X

If Yes, the owner/operator must submit a free product removal report.

D. Site Information

Provide the following:

1. Data on the nature and estimated quantity of the release;
2. Data from available sources or site investigations concerning the following factors:
 - a. Surrounding populations;
 - b. Water quality;
 - c. Use and approximate locations of wells potentially affected by the release;
 - d. Subsurface soil conditions;
 - e. Location of subsurface sewers;
 - f. Climatological conditions;
 - g. Land use.
3. A discussion of what was done to measure for the presence of a release where contamination was most likely to be present at the UST site;
4. The results of the free product investigations;
5. A discussion of the action taken to prevent further release of the regulated substance into the environment;
6. A discussion of the action taken to mitigate fire and safety hazards posed by vapors or free product that has migrated from the UST excavation zone and entered subsurface structures;
7. Any other information collected while performing initial abatement measures pursuant to 35 Ill. Adm. Code Section 731.162 or 732.202(b).

E. Supporting Documentation

Provide the following:

1. Site map to scale and oriented north showing:
 - a. UST(s) system(s) and excavation limits;
 - b. Product and dispenser lines;
 - c. Pumps and islands;
 - d. Underground utilities (sewer, gas, water, etc.);
 - e. Nearby structures (buildings, roads, etc.);
 - f. Soil boring(s) (if present);
 - g. Monitoring well(s) and/or sumps (if present);
 - h. Property boundaries;
 - i. Sample location points;

2. An area map showing the site in relation to surrounding properties. This map should identify the facilities on the surrounding properties;
3. A cross section, to scale, with dimensions showing the UST(s) and the excavation;
4. Analytical/screening results in tabular format;
5. UST(s) information in a tabular format and that at a minimum includes:
 - a. The total number of UST(s) on site;
 - b. The volume of the UST(s) (in gallons);
 - c. The material stored in the UST(s);
 - d. Identification of UST system(s) that had a release;
 - e. Identification of UST system(s) that were repaired, removed, or abandoned-in-place.
6. A copy of the Office of the State Fire Marshal Permit for Removal, Abandonment-in-Place or other OSFM permits or notifications;
7. A narrative of tank removal and cleaning operations; describe how wastes generated during the tank removal were managed, treated, and disposed;
8. Photographs of UST removal activities and the excavation;
9. Copies of manifests for soil and groundwater transported off-site.

F. Signatures

I certify under penalty of law that this report, supporting documents and all attachments were prepared under my direction or supervision. To the best of my knowledge and belief, this report, supporting documents and all attachments are true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner

Name: Mr. Ben Grisham

Title: Dept. of Human Resources

Address: 100 N. Ninth St., Room 104
Springfield, IL 62765

Phone: (217) 785-4922

Signature: *Ben Grisham*

Date: 7/20/95

Operator

Name: _____

Title: _____

Address: _____

Phone: _____

Signature: _____

Date: _____

Consultant

Firm: Patrick Engineering Inc.

Contact: Connie Sirota

Title: Environmental Engineer

Address: 4985 Varsity Drive

Lisle, IL 60532

Phone: (630) 434-7050

Signature: *Connie Sirota*

Date: 7/9/05

**45-DAY REPORT
LUST INCIDENT NO. 981344**

**ELGIN MENTAL HEALTH CENTER
750 SOUTH STATE STREET
ELGIN, ILLINOIS**

The following responses are organized to correspond to the 45-Day Report guidance format provided in the Illinois EPA form IL 532 2277, LPC 503, revised December 1996. This report discusses the LUST Incident reported for the 550-gallon diesel underground storage tank (UST) removed from the Chiller House area (hereinafter referred to as the "Site") of the Elgin Mental Health Center in Elgin, Illinois.

SECTION C: EARLY ACTION

Two USTs were removed from the Elgin Mental Health Center property on May 27 and 28, 1998. The following table summarizes the tanks removed, their contents, and the status of the tank removal. The remainder of this report addresses the tank excavation near the Chiller House area, Incident No. 981344.

UNDERGROUND STORAGE TANKS REMOVED FROM SITE

MAY 1998

EXCAVATION I.D.	TANK VOLUME	CONTENTS	LOCATION	STATUS
Chiller	550-Gallon	Diesel	Chiller House	Incident No. 981344
Med	2000-Gallon	Diesel	Medical Building	No Release Noted

1. *What was the volume of backfill material removed?*

Based on tank and excavation dimensions (11 feet wide by 14 feet long by 6.5 feet deep), approximately 34 cubic yards of backfill material was removed from the excavation zone on May 27 and 28, 1998.

2. *What was the volume of native material removed?*

The excavation zone was limited to only the backfill material. Native material was not excavated from the Site during the tank removal.

3. *Was groundwater encountered at the Site?*

Groundwater was not observed in the excavation zone during or after the tank removal.

Questions 4 and 5 do not apply since groundwater was not observed in the excavation zone.

SECTION D: SITE CHARACTERIZATION

1. *Data on the nature and estimated quantity of the release.*

One 550-gallon diesel UST was removed from the Elgin Mental Health Center grounds on May 27 and 28, 1998. The UST was constructed of fiberglass and appeared to be in good condition; no holes were evident. Some fuel, however, was released from the vent pipe located on the south end of the tank during the excavation and removal process. The fuel that had collected in the vent pipe likely resulted from a tank overflow. The pea gravel backfill from the excavation zone was excavated and stockpiled on site pending the results of the laboratory analytical testing. The pea gravel was scraped from the excavation and native soil confirmation samples were collected from the sidewalls and excavation zone bottom. It appeared that the impacts were limited to the backfill material.

2. *Data from available sources or site investigations concerning the following factors:*

- Surrounding Populations. Elgin, IL 77,010 residents
South Elgin, IL 7,474 residents

- Water Quality. Drinking water in Elgin is supplied by a municipal water system. The Elgin municipal water supply is cross connected with the Elgin State Hospital well (Well Number 3 in EDR Water Well Report, Appendix B). Due to the distance between the well and the leaking underground storage tank (LUST) (1276 feet) and

depth of the well (2,000 feet), the LUST does not pose a health risk to this water supply.

Drinking water in the Village of South Elgin is supplied by wells located within the village. However, all of the wells are farther than 2,500 feet from the LUST. The LUST does not pose a health risk to the South Elgin water supply wells.

- Use and Locations of Nearby Wells. Water well use information from the Illinois State Water Survey was obtained from Environmental Data Resources (EDR). The potable wells within 2,500 feet are shown on Figure 4 and summarized in Table 2. The EDR well summary report is included in Appendix B. Well locations have not been surveyed or field verified. Based on this information, there is one well on the Elgin Mental Health Center property used for water supply. This well is approximately 1,300 feet from the LUST and is finished in bedrock at a depth of 2,000 feet. This well, therefore, is not at risk from this LUST.

Two additional wells were identified in the EDR report. Two private domestic wells are located at a distance of approximately 1,000 feet east-southeast from the LUST (well "A" on the EDR map). The first well was constructed in 1913 and was finished at a depth of 17 feet; the second well was completed in 1922 and finished at a depth of 85 feet. Due to the distance between the LUST and these wells, the LUST does not pose a significant threat the wells.

- Subsurface Soil Conditions. Available published data indicate that the soils within the project area consist of glacial tills associated with the Wedron Formation. The glacial till is described as a dark yellowish brown to dark grayish brown silty or clayey till at least 50 feet thick. This unit generally lacks any interbedded sand and gravel and is therefore relatively impermeable. Silurian dolomite bedrock is generally

encountered at a depth of approximately 50 feet below ground surface. The depth to static groundwater at the Site is not known.

- Location of Subsurface Sewers. An existing sanitary sewer is located approximately 2 feet south of the excavation zone and another branch of the sanitary sewer is located approximately 9 feet to the east of the excavation zone. Additionally, a water main is located approximately 8 feet north of the excavation area. Laboratory test results for soil samples obtained from the excavation zone sidewalls and bottom verified that the LUST release did not extend beyond the limits of the excavation. The subsurface sewer/water trenches therefore, are not at risk of being a preferred pathway for contaminant migration.

- Climatological Conditions. The Midwestern Climate Center in Champaign, Illinois (internet site: <http://mcc.sws.uiuc.edu/Summary/Illinois.html>) was used to obtain climatological information for Elgin. Aurora was the closest information center (approximately 20 miles south of Elgin) with available data. The following information from the Aurora center includes data for the years 1961 through 1990:
 - Average daily temperature was 58.9°F.
 - Average annual precipitation is 36.88 inches.
 - Wind direction typically from the south or west.

- Surrounding Land Use. Land use on surrounding properties consists of residential communities to the north, a sports complex and Elgin State Hospital property to the west, and semi-vacant land to the east. Several gravel pits are located south of the LUST Site. The general land use for the Site area can be seen on Figure 3.

- 3. A discussion of what was done to measure for the presence of a release where contamination was most likely to be present at the UST site.*

Confirmation samples collected from the sidewalls and bottom of the UST excavation zone were chemically analyzed to evaluate the soil quality in that area. Figure 1 shows the confirmation sample locations, and Table 1, attached, provides a summary of the confirmation sample results for the Chiller House tank area.

The analytical results were compared to the June 5, 1997 35 Illinois Administrative Code 742 *Tiered Approach to Corrective Action Objectives (TACO)*, Soil Remediation Objectives for the Residential Scenario to determine if the soil was impacted. The Residential Scenario Objectives were used because the Site does include some residential living areas. Additionally, the Residential Scenario provides the most stringent Objectives. The chemical analytical result package from the laboratory is found in Appendix D.

None of the confirmation samples from the Chiller House excavation zone exceeded the Tier 1 Objectives for any of the compounds analyzed. All the concentrations in the confirmation samples were below the detectable limits of the laboratory tests. The laboratory results indicate that the UST release was confined to the backfill material and the native soils have not been impacted by the contents of the Chiller House UST.

- 4. Results of free product investigations.*

No free product was encountered.

- 5. A discussion of the action taken to prevent any further release of the regulated substance into the environment.*

The UST was removed from the Site, and approximately 34 cubic yards of backfill material was removed from the excavation zone.

- 6. A discussion of the action taken to mitigate fire and safety hazards.*

No basements are located within approximately 100 feet of the LUST area. No known fire or safety hazards exist in the vicinity of the LUST.

7. *Any other information collected while performing initial abatement measures.*

Diesel-impacted backfill material excavated from the 550-gallon UST excavation zone was stockpiled on site pending the results from the laboratory testing. This soil will be disposed at a licensed special waste landfill due to observations of released fuel during the UST removal. A new UST was installed in the excavation.

SECTION E - SUPPORTING DOCUMENTATION

1. *Provide a site map.*

Figure 1 – Confirmation Sample Location Map

2. *Provide an area map showing the site in relation to surrounding properties.*

Figure 2 – Site Vicinity Map

Figure 3 – Potable Well Location Map

3. *Provide a cross section showing the UST(s) and the excavation.*

Figure 4 – Generalized Geologic Cross Section

It should be noted that no soil borings have been completed at the Site that would allow for development of an accurate geologic cross section. The Chiller House excavation was completed to a total depth of 6.5 feet, and the soils encountered were primarily topsoil and silty to clayey till.

4. *Analytical/screening results in tabular format.*

Table 1, attached, provides a summary of the confirmation sample results for the Chiller House tank area.

5. *Furnish UST information for the UST removed.*

See table in Section C summarizing the size, contents, and status of the USTs removed from the Site during May 1998.

6. *Office of the State Fire Marshal Permits.*

Appendix A includes the OSFM Tank Removal Permit and Tank Disposal Certification.

7. Provide a narrative of tank removal and cleaning operations; describe how wastes generated during the tank removal were managed, treated, and disposed.

May 27, 1998: Prior to removal, the remaining UST contents were pumped by Beaver Oil and disposed. See Appendix C for copies of the liquid waste manifest. (The liquid waste manifested volume of 2,300 gallons included product from the Medical Building UST being removed from the Site.) The contractor then uncovered one (1) 550-gallon diesel tank (the excavation zone referred to as Chiller in Section C) located near the Chiller House. The fill pipe was removed and the tanks were rendered inert. An inspector from the OSFM gave his approval for the tank to be removed. The UST was then removed from the excavation zone. During the removal process, the UST vent pipe on the south end of the tank released some fuel (likely the result of an overfill), so the inspector from the OSFM indicated that an incident would be reported for this location. The IEMA Incident Number assigned to the case is 981344.

The fiberglass tank appeared to be in good condition. The UST was cleaned and hauled off-site for disposal. Beaver Oil also collected the sludge from cleaning. The excavation zone was approximately 14 feet long, 11 feet wide, and 6.5 feet deep.

May 28, 1998: The sides of the Chiller excavation zone were scraped to remove the pea gravel backfill material from the native soil. The soil removed was added to the stockpile of impacted backfill material. A total of five confirmation samples were collected from the excavation zone sidewalls and floor and were submitted for laboratory analysis. Laboratory results, included in Appendix D, are discussed further in the Conclusions section. The

excavation zone was then fenced to restrict access pending subsequent new UST installation activities.

8. *Photographs.*

A photograph documenting the tank condition upon removal is included in Appendix E.

9. *Manifests for soil and groundwater transported off-site.*

No soil or groundwater was transported off-site. (Groundwater was not encountered at the Site.) Backfill soil removed from the tank excavation area was stockpiled on-site and has not been transported off-site. It is anticipated that the impacted soil will be disposed of at a licensed landfill facility. Upon confirmation that the impacted soil is properly disposed of, an Addendum to this report will be submitted to document the final disposition of the LUST soils. Copies of the waste disposal manifest will be included with the Addendum.

CONCLUSIONS

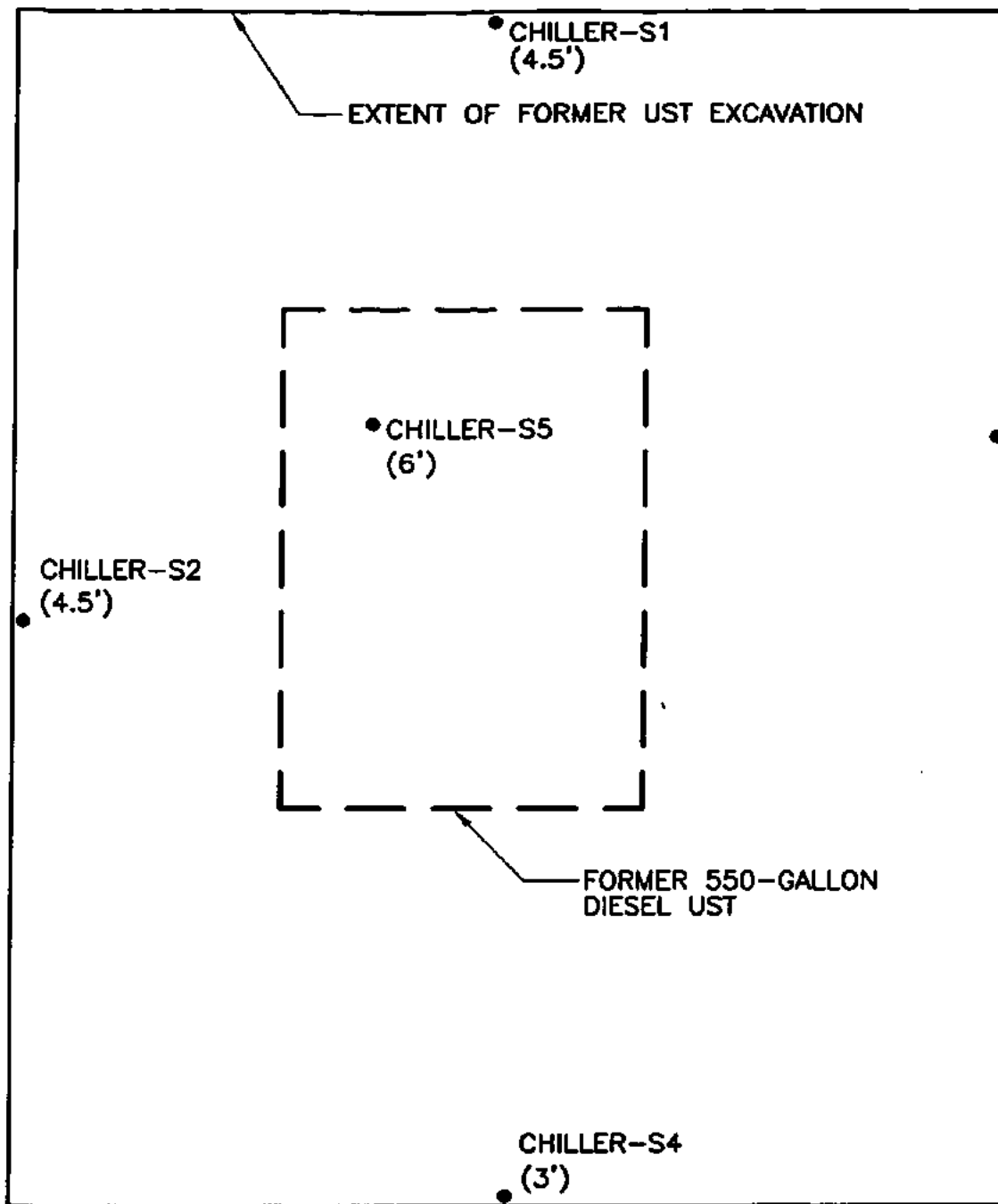
The 550-gallon diesel UST was removed from the Chiller House excavation area with a minor release. The extent of the contamination appeared to be limited to the southern portions of the backfill material. No evidence of contamination was present in the native soil. Five native soil samples were gathered from the excavation zone: four samples from the sidewalls of the excavation zone and one sample from the excavation zone bottom.

The laboratory results, summarized in Table 1 and included in Appendix D, indicate that the native soil is free from diesel fuel contamination. Parameter concentrations in all five samples were reported to be below the detectable limits of the laboratory tests. It was also identified that all area potable water wells are greater than 1,000 feet from this minor LUST incident and that soils in the area consist of greater than 50 feet of silty clay. It is the opinion of Patrick Engineering Inc., therefore, that no additional investigations or remedial actions are necessary for LUST Incident No. 981344.

REFERENCES

- Berg, R.C. et al. *Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Wastes*. Illinois State Geological Survey, 1984.
- Berg, R.C. and J.P. Kempton. *Stack Unit Mapping of Geologic Materials in Illinois to a Depth of 15 Meters*. Plate 2, Illinois State Geological Survey, 1987.
- Soil Survey of Kane County, Illinois*. United States Department of Agriculture, Soil Conservation Service, 1979.
- Woller, Dorothy M. and Ellis W. Sanderson. *Public Groundwater Supplies in Kane County*. Illinois State Water Survey, 1978.

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CHILLER-S3
(4')

CHILLER-S2
(4.5')

CHILLER-S5
(6')

CHILLER-S4
(3')

EXTENT OF FORMER UST EXCAVATION

FORMER 550-GALLON
DIESEL UST

CHILLER HOUSE

LEGEND

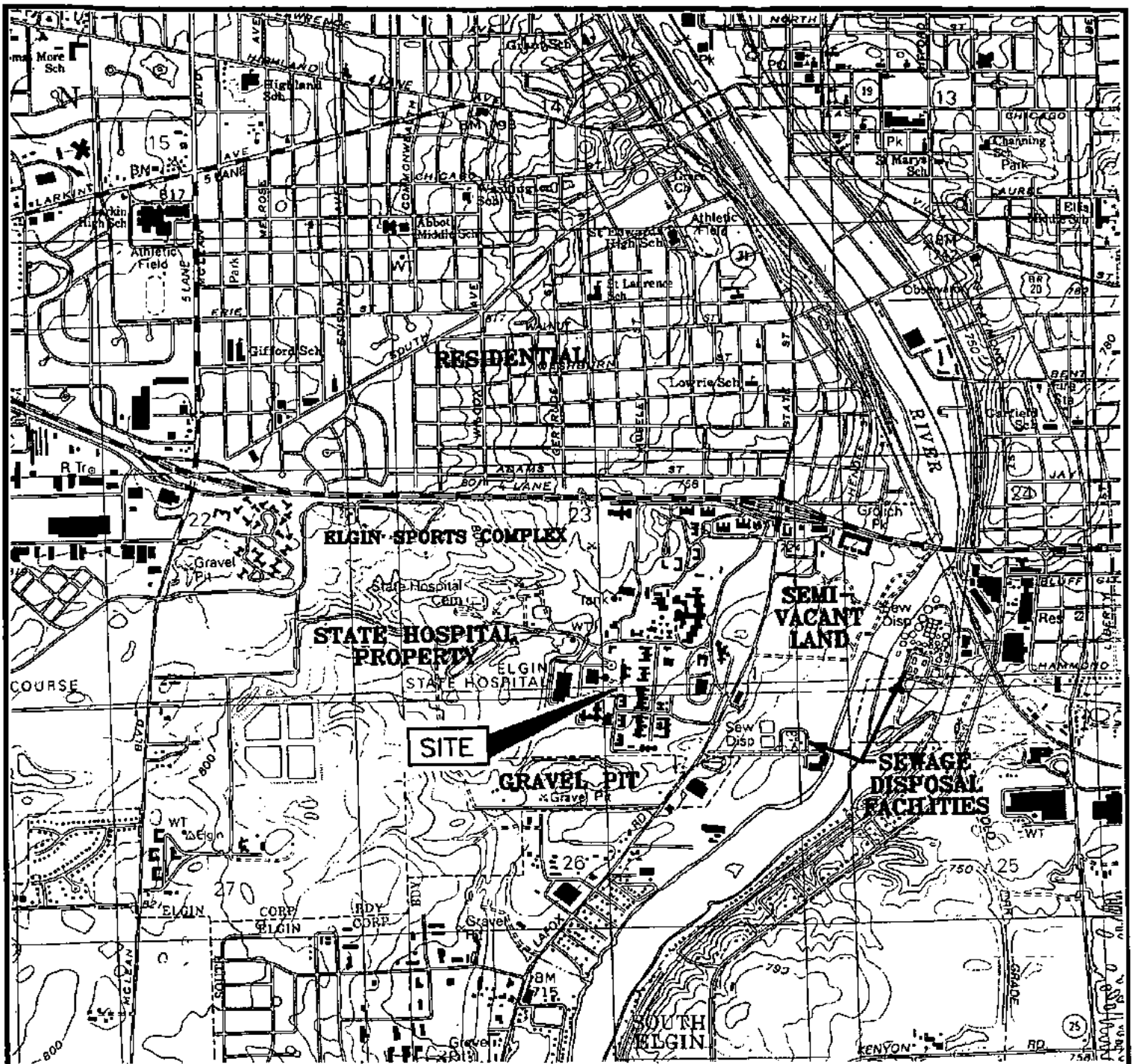
CHILLER-S1 (4.5') • CONFIRMATION SAMPLE LOCATION-CHILLER HOUSE EXCAVATION (DEPTH BELOW GROUND SURFACE)



GRAPHIC SCALE
1"=2'

FIGURE 1

DATE: JUNE, 1998	ELGIN MENTAL HEALTH CENTER LUST INCIDENT NO. 981344	PATRICK ENGINEERING INC. LISLE, ILLINOIS
PROJ. NO.: 774.00-59		
APP. BY: CMS	CONFIRMATION SAMPLE LOCATION MAP	

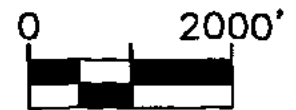


MAP SOURCE:

THIS DRAWING WAS PREPARED USING THE ELGIN, IL. (1992) U.S.G.S. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE MAP.



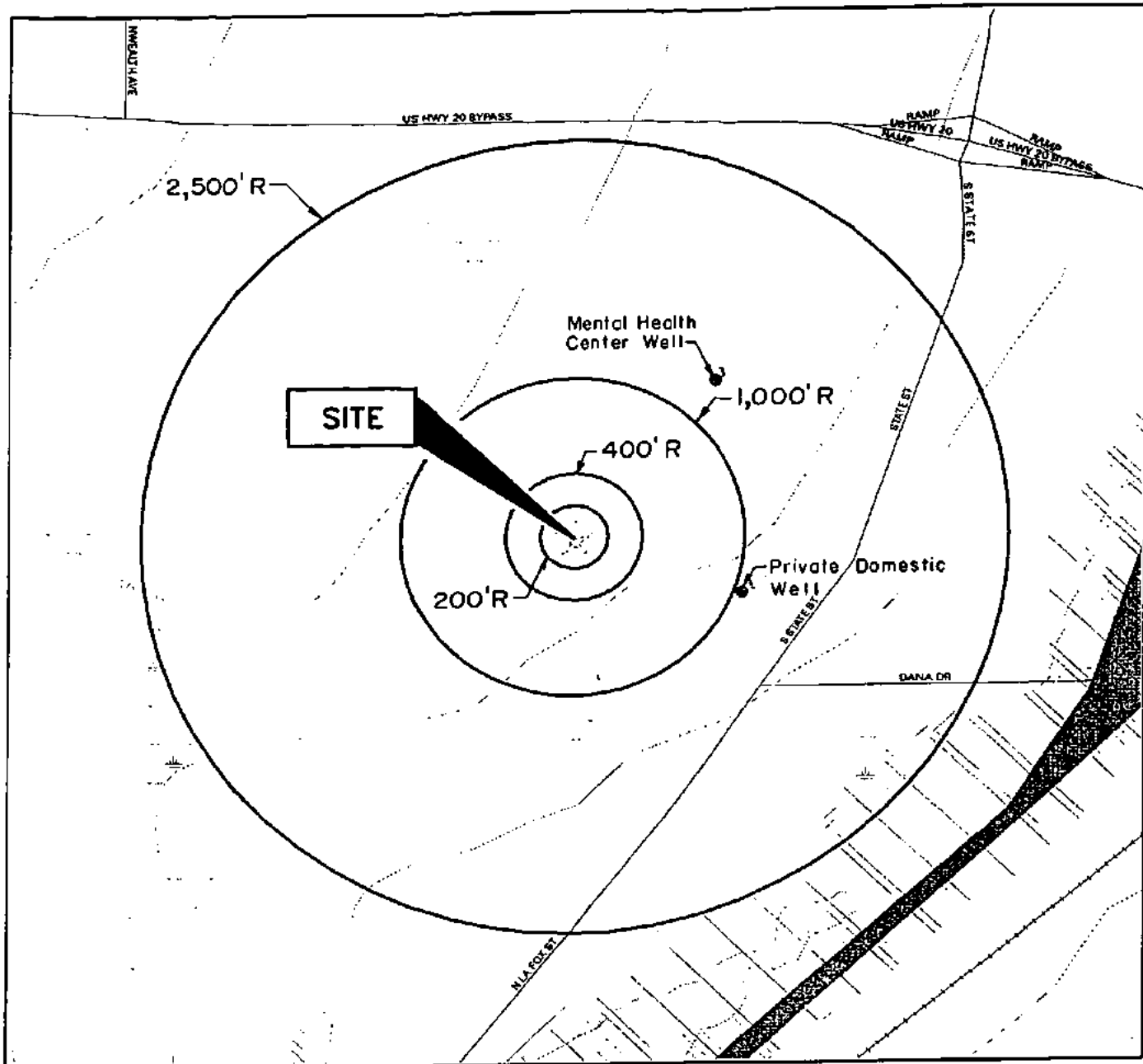
QUADRANGLE LOCATION



GRAPHIC SCALE
1"=2000'

FIGURE 2

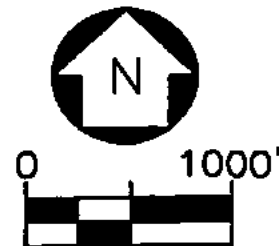
DATE: JUNE, 1998	ELGIN MENTAL HEALTH CENTER LUST INCIDENT NO. 981344	
PROJ. NO.: 774.00-59			SITE VICINITY MAP
APP. BY: CMS		



Source: US Geological Survey 1-Degree Digital Elevation Model - Compiled 09/16/92

- | | | |
|---|---------------|-----------------------|
| - Major Roads | - Power Lines | - Water Bodies |
| - Contour Lines (25 foot interval unless otherwise shown) | - Pipe Lines | - Wetlands |
| - Waterways | - Fault Lines | - 100-year flood zone |
| - Water Wells within search distance to Target Property | - Rail Roads | - 500-year flood zone |
| - Earthquake Epicenters (Richter 5 or greater) | | |

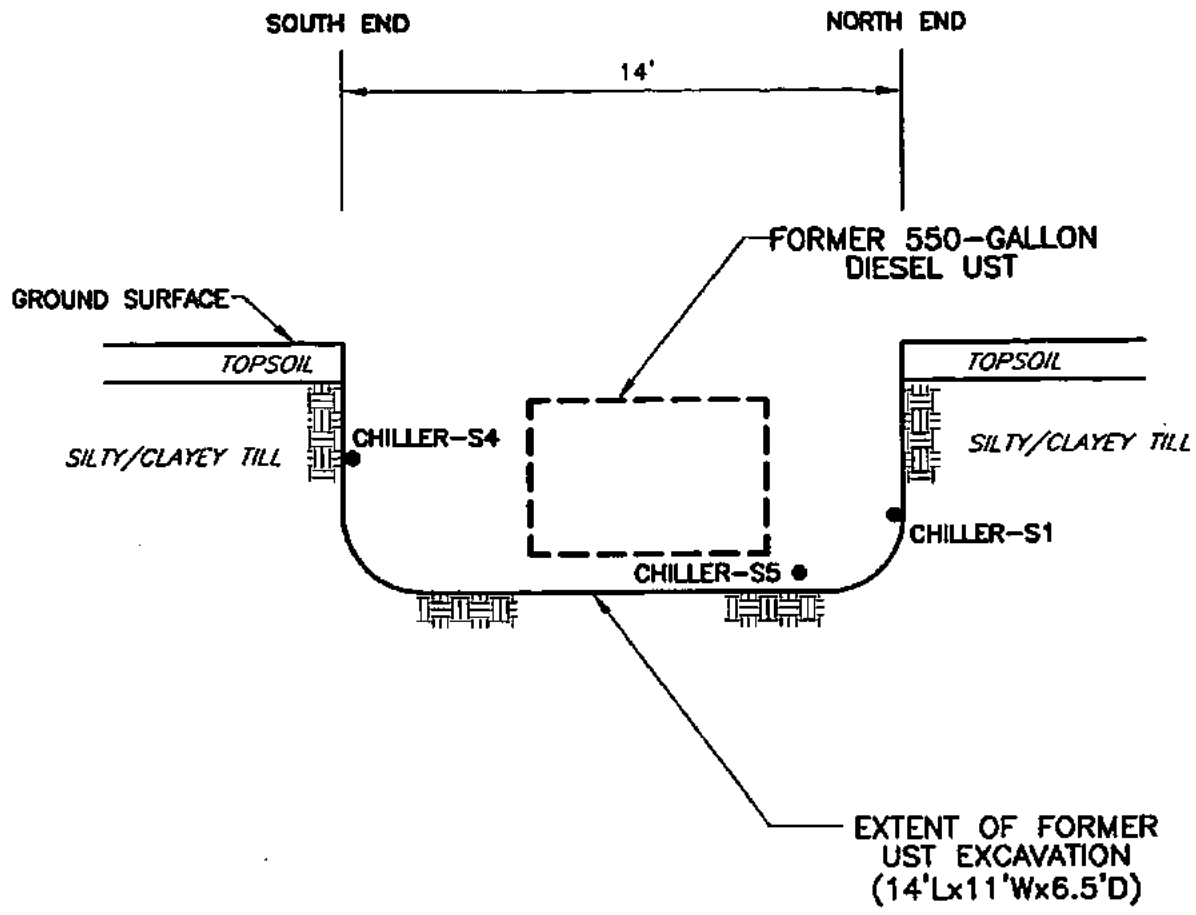
MAP SOURCE: E.D.R. ILLINOIS WATER WELL REPORT.



GRAPHIC SCALE
1"=1000'

FIGURE 3

DATE: JULY, 1998	ELGIN MENTAL HEALTH CENTER LUST INCIDENT NO. 981344	PATRICK ENGINEERING INC. LISLE, ILLINOIS
PROJ. NO.: 774.00-59	POTABLE WELL LOCATION MAP	
APP. BY: CMS		



LEGEND

- EXCAVATION CONFIRMATION SAMPLE LOCATION

NOTE:

NO BORINGS WERE PERFORMED BY PATRICK ENGINEERING INC. AT THE SITE FOR THIS LUST INCIDENT.

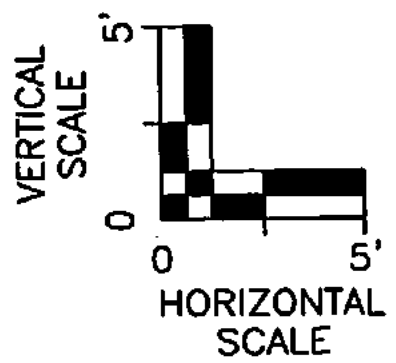


FIGURE 4

DATE: JUNE, 1998	ELGIN MENTAL HEALTH CENTER LUST INCIDENT NO. 981344	PATRICK ENGINEERING INC. LISLE, ILLINOIS
PROJ. NO.: 774.00-59	GENERALIZED GEOLOGIC CROSS SECTION	
APP. BY: CMS		

TABLE 1
EXCAVATION CLOSURE SAMPLE RESULTS - CHILLER HOUSE LUST
ELGIN MENTAL HEALTH CENTER - ELGIN, ILLINOIS
LUST INCIDENT NO. 981344

Sample	Soil Remediation Objectives (mg/kg) ²	CHILLER-S1	CHILLER-S2	CHILLER-S3	CHILLER-S4	CHILLER-S5
		North Sidewall 4.5	West Sidewall 4.5	East Sidewall 4	South Sidewall 3	Bottom 6
VOCs (mg/kg)						
Benzene	0.03 ^{FW}	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	12 ^{FW}	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene	13 ^{FW}	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes (Total)	150 ^{FW}	<0.005	<0.005	<0.005	<0.005	<0.005
PNAs (mg/kg)						
Naphthalene	84 ^{FW}	<0.660	<0.660	<0.660	<0.660	<0.660
Acenaphthene	570 ^{FW}	<1.200	<1.200	<1.200	<1.200	<1.200
Anthracene	12,000 ^{FW}	<0.660	<0.660	<0.660	<0.660	<0.660
Fluoranthene	3100 ^{FW}	<0.660	<0.660	<0.660	<0.660	<0.660
Fluorene	560 ^{FW}	<0.140	<0.140	<0.140	<0.140	<0.140
Pyrene	2300 ^{FW}	<0.180	<0.180	<0.180	<0.180	<0.180
Benzo(a)anthracene	0.9 ^{FW}	<0.0087	<0.0087	<0.0087	<0.0087	<0.0087
Benzo(e)pyrene	0.09 ^{FW}	<0.015	<0.015	<0.015	<0.015	<0.015
Benzo(b)fluoranthene	0.9 ^{FW}	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(k)fluoranthene	9 ^{FW}	<0.011	<0.011	<0.011	<0.011	<0.011
Chrysene	88 ^{FW}	<0.100	<0.100	<0.100	<0.100	<0.100
Dibenz(a,h)anthracene	0.09 ^{FW}	<0.020	<0.020	<0.020	<0.020	<0.020
Indeno(1,2,3-c,d)pyrene	0.9 ^{FW}	<0.029	<0.029	<0.029	<0.029	<0.029
Acenaphthylene	--	<0.660	<0.660	<0.660	<0.660	<0.660
Benzo(g,h,i)perylene	--	<0.051	<0.051	<0.051	<0.051	<0.051
Phenanthrene	--	<0.660	<0.660	<0.660	<0.660	<0.660

Notes:

- Laboratory analyses were performed by Prairie Analytical Systems, Inc., Springfield, Illinois, in accordance with SW-846 Method Number 8020 (BTEX) and 8270B (PNAs).
- Soil Remediation Objectives are from the IEPA BOL Tiered Approach to Corrective Action Objectives (TACO) Guidance Document, App B, Table A, June 5, 1997. The value indicated is the lowest Tier 1 value of the three potential residential exposure routes as indicated: ingestion (mg), inhalation (inh), or migration to Class 1 groundwater (gw).
- Bolded and shaded value indicates concentration exceeds the TACO Soil Remediation Objective.

TABLE 2
ILLINOIS WATER WELL REPORT SUMMARY
ELGIN MENTAL HEALTH CENTER – ELGIN, ILLINOIS
LUST INCIDENT NO. 981344

Well Owner	Well Number [Grouped by Site]	Approximate Location vs. UST ²	Year Constructed	Total Depth	Depth to Water	Status
Sherman Morgan	A1	East-Southeast 1000 Feet	1913	17 Feet	N/A ¹	Domestic
	A2	East-Southeast 1000 Feet	1922	85 Feet	N/A	Domestic
Elgin State Hospital	3	Northeast 1300 Feet	1932	2,000	N/A	Commercial

Notes: ¹ N/A = Not Available.

² Refer to Figure 3 for a map of well locations. The EDR Illinois Water Well Report Summary is found in Appendix B.

APPENDIX A

**Office of the State Fire Marshal Tank Removal Permit
and Tank Disposal Certification**



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Division of Petroleum and Chemical Safety
Environmental Management Inc.

1035 Stevenson Drive
Springfield, Illinois 62703-4259
(217)785-1020 or (217)785-5878

RECEIVED

OCT 21 1997

FOR OFFICE USE ONLY
Facility # 2008097
Permit # 307797

R MAR 19 1998 D
APPLICATION For Permit for REMOVAL of Underground Storage Tanks. (Please type or print clearly)

(1) OWNER OF TANKS - Corporation, partnership, or other business entity: (Must be mailing address)

Name ELGIN MENTAL HEALTH CENTER

Street Address 750 SOUTH STATE STREET

City ELGIN State IL Zip 60123

Contact Person BOB ZOLLER Phone 847-742-1040 x 2562

(2) FACILITY - Facility ID # 2-008097
(Name and address where tanks are located:)

Name ELGIN MENTAL HEALTH CENTER

Street Address 750 SOUTH STATE STREET

City ELGIN State IL Zip 60123 County KANE

Contact Person BOB ZOLLER Phone 847-742-1040 x 2562

(3) TANK(S): Fill in the appropriate blanks for the tank(s) to be removed. Attach additional sheet(s) if more space is needed.

# of Tanks	Capacity in gallons	Product to be stored	Date tank last used	# of Tanks	Capacity in gallons	Product to be stored	Date tank last used
1	500	DIESEL	CURRENTLY IN USE				
1	2,000	DIESEL	CURRENTLY IN USE				

CONTAMINATED SITE (complete this section for sites where a release has been reported). Reminder: Releases or suspected releases must be reported to IEMA at (800)782-7860 within 24 hours:

IEMA Incident # _____

CONTRACTOR: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that all information submitted is true, accurate and complete.

Company Name CAPE ENVIRONMENTAL MANAGEMENT, INC.

Address 91 NOLL ST.

City WAUKEGAN State IL Zip 60085

Telephone # 847-336-4341 Fax # 847-336-4971

Contractor License # 2104 Expiration Date 4-18-98

Name of Authorized Representative LOYD CASTLEMAN Title or Position CONTRACT MANAGER

Signature [Signature] Date 10-16-97

FOR OFFICE USE ONLY

After receiving an approved permit, the Contractor the permit was issued to or an employee of that contractor (this does not include a subcontractor) shall establish a date certain to perform the UST activity by contacting the Office of the State Fire Marshal, Division of Petroleum and Chemical Safety, by telephone at the Springfield office at (217)785-1020 or (217)785-5878 between 8:30 a.m. and 12:00 p.m., at which time a mutually agreed upon date and time for the UST activity shall be scheduled. THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.

Removal of underground storage tanks is hereby granted. Such removal shall commence until 11/20/97.

A seventy-two hour (3 working day) notice to this office is required to confirm final date of removal for our inspector to be on site.

Approval Date 11/4/97 Approved [Signature]

Permit Expires 5/4/98

EXTENSION Permit Expires 11-4-98

**CAPE
ENVIRONMENTAL
MANAGEMENT
INC**

**CERTIFICATE OF
UNDERGROUND
STORAGE TANK DISPOSAL**

This is to certify that an underground storage tank was removed from the premises and disposed of as described below. Prior to the removal and disposal, the tank (s) were washed and rendered safe and non-usable.

Owner of Tank

Company Name: ELGIN MENTAL HEALTH CENTER
Street Address: 750 S. STATE ST.
City, State, Zip: ELGIN, IL. 60123

Tank Information

Capacity: 2,000 GAL.
Date Removed from Service: 5-27-98
Location Address: - SAME -
City, State, Zip: - SAME -
OSFM Removal Permit #: 3077-97 REM
Tank I. D. Number: N/A

Transporter

Company Name: CAPE ENVIRONMENTAL MGT. INC.
Origin: ELGIN MENTAL HEALTH CTR. - MEDICAL BLDG.
Driver Name: C. PIETLUCK
Driver Signature: Charles Pietluck
Date: 5-27-98

Tank Recipient

Company Name: Highland - Wolfe
Street Address: 1489 Rockland Rd
City, State, Zip: LAKE BLISS, IL 60044
Co. Representative Name: STEVE
Co. Representative Signature: Steve Wolfe
Date: 5/27/98
Method of Disposal: Sheared for SCRAP

APPENDIX B

EDR Summary Illinois Water Well Report



EDR - Illinois Water Well Report

**Elgin Mental Health Center
750 S. State St.
Elgin, IL 60123**

Inquiry Number: 266664.1s

June 24, 1998

***The Source*
For Environmental
Risk Management
Data**

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Introduction.....	1
Topographic Map.....	2
Well Search Summary.....	3
Well Findings.....	4
 <u>APPENDICES</u>	
Government Records Searched.....	A1

Thank you for your business.
Please contact EDR at 1-800-952-0050
with any questions or comments.

Disclaimer and Other Information

This Report contains information obtained from a variety of public and other sources and Environmental Data Resources, Inc. (EDR) makes no representation or warranty regarding the accuracy, reliability, quality, suitability, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.

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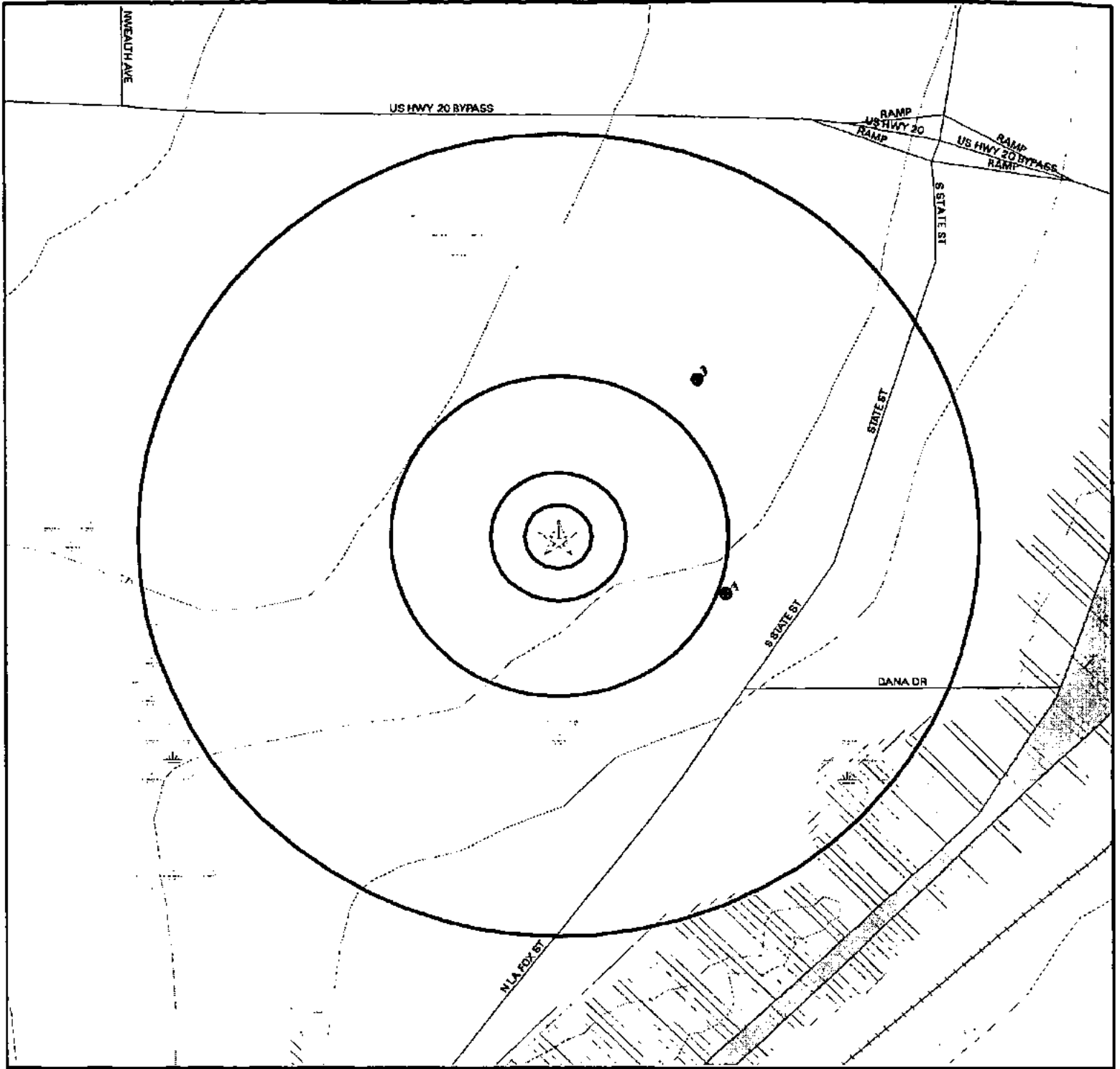
The EDR Illinois Water Well Report

The EDR-Illinois Water Well Report is a screening tool designed to assist in the location of water supply wells in accordance with the Illinois EPA Leaking Underground Storage Tank Program: Site Classification Completion Report.

The EDR-Illinois Water Well Report consists of the following information within 1/2 mile of target property:

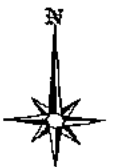
- wells
- map displaying concentric rings at 200', 400' 1000' and 2500'
- topography (25 foot intervals unless otherwise shown)
- major roads
- surface water bodies
- railroad tracks
- flood plains (available in selected counties)
- wetlands (available in selected counties)
- geologic data
- radon data

TOPOGRAPHIC MAP - 266664.1s - 'Patrick Engineering, Inc.'



Source: US Geological Survey 1-Degree Digital Elevation Model - Compiled 09/15/92

- | | | | | | |
|--|---|--|---------------|--|-----------------------|
| | - Major Roads | | - Power Lines | | - Water Bodies |
| | - Contour Lines (25 foot interval unless otherwise shown) | | - Pipe Lines | | - Wetlands |
| | - Waterways | | - Fault Lines | | - 100-year flood zone |
| | - Water Wells within search distance to Target Property | | - Rail Roads | | - 500-year flood zone |
| | - Earthquake Epicenters (Richter 5 or greater) | | | | |



TARGET PROPERTY: Elgin Mental Health Center
ADDRESS: 750 S. State St.
CITY/STATE/ZIP: Elgin IL 60123
LAT/LONG: 42.0149 / 88.2916

CUSTOMER: Patrick Engineering, Inc.
CONTACT: Connie Sirota
INQUIRY #: 266664.1s
DATE: June 24, 1998

WELL SEARCH SUMMARY

GEOLOGIC AGE IDENTIFICATION†

Geologic Code: S2
 Era: Paleozoic
 System: Silurian
 Series: Middle Silurian (Niagaran)

ROCK STRATIGRAPHIC UNIT†

Category: Stratified Sequence

SEARCH DISTANCE RADIUS INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal Database	0.500
State Database	0.500
PWS Database	0.500

FEDERAL DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
NO WELLS FOUND		

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	070776	1048 Ft. ESE
A2	070777	1048 Ft. ESE
3	072114	1276 Ft. NE

PUBLIC WATER SUPPLY SYSTEM INFORMATION

NO WELLS FOUND

AREA RADON INFORMATION

Zip Code: 60123

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.900 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	10.800 pCi/L	0%	100%	0%

† Source: P.G. Schruben, R.E. Amdt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

WELL SEARCH FINDINGS

Map ID
Direction
Distance

A1 ESE 1049 Ft.	Well ID:	070776	Second ID:	Not Reported
	Info Source:	IL Private Water Wells Survey		
	Owner:	SHERMAN MORGAN		
	Permit:	Not Reported	Date Drilled:	00/00/1913
	Depth (in feet):	17	Aquifer Type:	--
	County Code:	089	County:	KANE
	Township:	41N	Range:	08E
	Section:	26	Plot Location:	2H
	Well Use:	Domestic	Well Type:	--
	Record Type:	Not Reported		
	Driller:	Not Reported		

A2 ESE 1048 Ft.	Well ID:	070777	Second ID:	Not Reported
	Info Source:	IL Private Water Wells Survey		
	Owner:	SHERMAN MORGAN		
	Permit:	Not Reported	Date Drilled:	00/00/1922
	Depth (in feet):	85	Aquifer Type:	--
	County Code:	089	County:	KANE
	Township:	41N	Range:	08E
	Section:	26	Plot Location:	2H
	Well Use:	Domestic	Well Type:	--
	Record Type:	Not Reported		
	Driller:	Not Reported		

3 NE 1276 Ft.	Well ID:	072114	Second ID:	Not Reported
	Info Source:	IL Private Water Wells Survey		
	Owner:	ELGIN STATE HOSPITAL		
	Permit:	Not Reported	Date Drilled:	00/00/1932
	Depth (in feet):	2000	Aquifer Type:	--
	County Code:	089	County:	KANE
	Township:	41N	Range:	08E
	Section:	23	Plot Location:	3C
	Well Use:	CM	Well Type:	--
	Record Type:	Not Reported		
	Driller:	GERBER		

GOVERNMENT WELL RECORDS SEARCHED

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SWDIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

Water Dams: National Inventory of Dams

Source: Federal Emergency Management Agency

Telephone: 202-646-2801

National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

County Well Data in Illinois: Cook and DuPage Counties

Source: Illinois State Geological Survey

Telephone: 217-244-2387

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)

Source: Illinois State Water Survey

Telephone: 217-333-9043

Illinois State Geological Survey Water Wells

Source: Illinois State Geological Survey

Telephone: 217-333-5102

Point data set that shows locations, well type, and well ID for wells in Illinois. Data comes from driller's logs.

SENT BY: Xerox Telescopier 7021 ; 7-14-98 ; 7:03AM ;

7083545527-

18473364971:8 2



STATE OF ILLINOIS

P.O. BOX 19278

SPRINGFIELD, ILLINOIS 62704-2778 (217) 782-6781

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

PLEASE TYPE

HAZARDOUS

State Form LFC 82 501

ISSUE 09/10

EPA Form 8700-22 (Rev. 8-89)

Form Approved OMB No. 8250-006

UNIFORM WASTE MANIFEST		Generator's US EPA ID No. ILL002050543		Manifest No. 08350		2. Page 1 of 1		3. Description of the material to be shipped by Federal law, but is required by State law	
4. Generator's Name and Mailing Address SEMINAR HEALTH CENTER ELGIN, IL 60123		Location of Facility ELGIN, IL 60123		5. Telephone 1 Company Name BEAVER OIL CO.		US EPA ID Number ILL002050543		6. Telephone 2 Company Name	
7. Designated Facility Name and Site Address BEAVER OIL CO. 6037 LENZI AVE. HODKINS, IL 60525		10. US EPA ID Number N/A		8. Material Name HAZARDOUS WASTE LIQUID N.O.S.		9. Material ID Number 7083545527		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) NOT DOT REGULATED	
12. Container No. Type		13. Total Quantity		14. Unit Weight		15. Waste No.		16. EPA HW Label	
a. 201TT02300 G						XX		XX	
b. 001TT02300 G						XX		XX	
c.						XX		XX	
d.						XX		XX	
17. Additional Description for Material Listed Above HAZARDOUS BY THE USEPA WASTE WATER CONTAMINATED WITH DIESEL FUEL FROM UNDERGROUND STORAGE TANKS		18. Quantity of Material Listed Above 201 GALLONS		19. Material Name HAZARDOUS WASTE LIQUID N.O.S.		20. Material ID Number 7083545527		21. EPA HW Label XX	
22. Special Handling Instructions and Additional Information 24 HR. EMERGENCY PHONE# 708-354-4040		23. Generator's Certification CLICETTING		24. Generator's Signature GARRY ROISS		25. Date 052798		26. Transporter 1 Acknowledgment of Receipt of Material JAMES HAY	
27. Transporter 2 Acknowledgment of Receipt of Material JAMES HAY		28. Discrepancy Indication Space		29. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 18. PAT ELBURY		30. Date 052798		31. Signature PAT ELBURY	

In case of a spill call the Illinois Office of Emergency Response at 217-782-7300 and the National Response Center at 800-424-8802 or 202-426-2675.

This form is authorized to receive information to those persons, States, and Federal, State, and local agencies, and is authorized to receive information to those persons, States, and Federal, State, and local agencies, and is authorized to receive information to those persons, States, and Federal, State, and local agencies.

APPENDIX D

**Chemical Analytical Result Package
Prairie Environmental Laboratory**

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/57.17). This form has been approved by the Permit Management Center.

**Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Laboratory Certification for Chemical Analysis**

A. Site Identification

IEMA Incident # (6 digit): 981344 IEPA Generator # (10 digit): _____
Site Name: Elgin Mental Health Center
Site Address (Not a P.O. Box): 750 South State Street
City: Elgin County: Kane

B. Sample Collector

I certify that:

1. Appropriate sampling equipment/methods were utilized to obtain representative samples.
2. Chain of custody procedures were followed in the field.
3. Sample integrity was maintained by proper preservation.
4. All samples were properly labeled.

EMA
(initial)

EMA
(initial)

EMA
(initial)

EMA
(initial)

C. Laboratory Representative

I certify that:

1. Proper chain of custody procedures were followed as documented on the chain of custody forms.
2. Sample integrity was maintained by proper preservation.
3. All samples were properly labeled.
4. Quality assurance/quality control procedures were established and carried out.

JD
(initial)

JD
(initial)

JD
(initial)

JD
(initial)

5. Sample holding times were not exceeded.


(initial)

6. SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analyses.

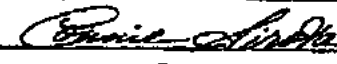

(initial)

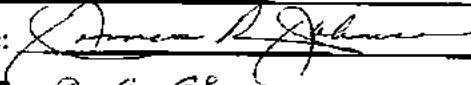
D. Signatures

I hereby affirm that all information contained in this form is true and accurate to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sample Collector

Laboratory Representative

Name: CONNIE SIROTA
Title: ENVIRONMENTAL ENGINEER
Company: PATRICK ENGINEERING
Address: 4985 VARSITY DR.
LISLE IL 60532
Phone: 630 / 424-7050
Signature: 
Date: July 8, 1998

Name: James R. Johnson
Title: President
Company: Prairie Analytical Systems
Address: 1265 Capital Airport Dr
Springfield IL 62707-8413
Phone: 217 / 753-1148
Signature: 
Date: 12 July 98

Prairie



Analytical Systems, INCORPORATED

Patrick Engineering, Inc.
4985 Varsity Drive
Lisle, IL 60532

1265 Capital Airport Drive
Springfield, IL 62707-8413

Phone: 217-753-1148
FAX: 217-753-1152

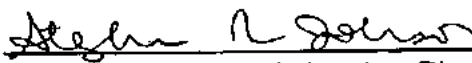
Client Project: **774.00-59**
Date Received: **29-Jun-98**

PAS Project Code: **PEI-023**
Date Reported: **3-Jun-98**

Sample Description:	MED-S3	MED-S4	MED-S5	MED-S6	Chiller-S1
PAS Sample Number:	9805293772	9805293773	9805293774	9805293775	9805293776
Date Sampled:	28-May-98	28-May-98	28-May-98	28-May-98	28-May-98
Date Analyzed:	2-Jun-98	2-Jun-98	2-Jun-98	2-Jun-98	2-Jun-98

Volatile Organic Compound(s) Analysis - BTEX

<u>Analyte(s)</u>	RL mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	EPA Method
Benzene	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	8260B
Toluene	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	8260B
Ethylbenzene	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	8260B
Total Xylenes	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	8260B


Stephen R. Johnson, Laboratory Director



Patrick Engineering, Inc.
4985 Varsity Drive
Lisle, IL 60532

1265 Capital Airport Drive
Springfield, IL 62707-8413

Phone: 217-753-1148
FAX: 217-753-1152

Client Project: **774.00-59**
Date Received: **29-Jun-98**

PAS Project Code: **PEI-023**
Date Reported: **3-Jun-98**

Sample Description:	MED-S3	MED-S4	MED-S5	MED-S6	Chiller-S1
PAS Sample Number:	9805293772	9805293773	9805293774	9805293775	9805293776
Date Sampled:	28-May-98	28-May-98	28-May-98	28-May-98	28-May-98
Date Analyzed:	3-Jun-98	3-Jun-98	3-Jun-98	3-Jun-98	3-Jun-98

Semi-Volatile Organic Compound(s) Analysis - PAH(s)

<u>Analyte(s)</u>	RL mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	EPA Method
Naphthalene	0.660	<0.660	<0.660	<0.660	<0.660	<0.660	8270C
Acenaphthene	1.200	<1.200	<1.200	<1.200	<1.200	<1.200	8270C
Anthracene	0.660	<0.660	<0.660	<0.660	<0.660	<0.660	8270C
Fluoranthene	0.660	<0.660	<0.660	<0.660	<0.660	<0.660	8270C
Fluorene	0.140	<0.140	<0.140	<0.140	<0.140	<0.140	8270C
Pyrene	0.180	0.492	<0.180	<0.180	<0.180	<0.180	8270C
Benzo (a) Anthracene	0.0087	0.1423	<0.0087	<0.0087	<0.0087	<0.0087	8270C
Benzo (a) Pyrene	0.015	0.099	<0.015	<0.015	<0.015	<0.015	8270C
Benzo (b) Fluoranthene	0.011	<0.011	<0.011	<0.011	<0.011	<0.011	8270C
Benzo (k) Fluoranthene	0.011	0.112	<0.011	<0.011	<0.011	<0.011	8270C
Chrysene	0.100	0.444	<0.100	<0.100	<0.100	<0.100	8270C
Dibenzo (a,h) Anthracene	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	8270C
Indeno (1,2,3-c,d) Pyrene	0.029	<0.029	<0.029	<0.029	<0.029	<0.029	8270C
Acenaphthylene	0.660	<0.660	<0.660	<0.660	<0.660	<0.660	8270C
Benzo (g,h,i) Perylene	0.051	<0.051	<0.051	<0.051	<0.051	<0.051	8270C
Phenanthrene	0.660	<0.660	<0.660	<0.660	<0.660	<0.660	8270C

Stephen R. Johnson
Stephen R. Johnson, Laboratory Director

Prairie



Analytical

Systems, INCORPORATED

Patrick Engineering, Inc.
4985 Varsity Drive
Lisle, IL 60532

1265 Capital Airport Drive
Springfield, IL 62707-8413

Phone: 217-753-1148

FAX: 217-753-1152


Client Project: 774.00-59
Date Received: 29-Jun-98

PAS Project Code: PEI-023
Date Reported: 3-Jun-98

Sample Description:	Chiller-S2	Chiller-S3	Chiller-S4	Chiller-S5	---
PAS Sample Number:	9805293777	9805293778	9805293779	9805293780	---
Date Sampled:	28-May-98	28-May-98	28-May-98	28-May-98	---
Date Analyzed:	2-Jun-98	2-Jun-98	2-Jun-98	2-Jun-98	---

Volatile Organic Compound(s) Analysis - BTEX

Analyte(s)	RL mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	EPA Method
Benzene	0.002	<0.002	<0.002	<0.002	<0.002	----	8260B
Toluene	0.002	<0.002	<0.002	<0.002	<0.002	----	8260B
Ethylbenzene	0.002	<0.002	<0.002	<0.002	<0.002	----	8260B
Total Xylenes	0.005	<0.005	<0.005	<0.005	<0.005	----	8260B


Stephen R. Johnson, Laboratory Director

Prairie

Analytical
Systems, INCORPORATEDPatrick Engineering, Inc.
4985 Varsity Drive
Lisle, IL 605321265 Capital Airport Drive
Springfield, IL 62707-8413Phone: 217-753-1148
FAX: 217-753-1152Client Project: **774.00-59**
Date Received: 29-Jun-98PAS Project Code: PEI-023
Date Reported: 3-Jun-98

Sample Description:	Chiller-S2	Chiller-S3	Chiller-S4	Chiller-S5	----
PAS Sample Number:	9805293777	9805293778	9805293779	9805293780	----
Date Sampled:	28-May-98	28-May-98	28-May-98	28-May-98	----
Date Analyzed:	3-Jun-98	3-Jun-98	3-Jun-98	3-Jun-98	----

Semi-Volatile Organic Compound(s) Analysis - PAH(s)

Analyte(s)	RL mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	EPA Method
Naphthalene	0.660	<0.660	<0.660	<0.660	<0.660	----	8270C
Acenaphthene	1.200	<1.200	<1.200	<1.200	<1.200	----	8270C
Anthracene	0.660	<0.660	<0.660	<0.660	<0.660	----	8270C
Fluoranthene	0.660	<0.660	<0.660	<0.660	<0.660	----	8270C
Fluorene	0.140	<0.140	<0.140	<0.140	<0.140	----	8270C
Pyrene	0.180	<0.180	<0.180	<0.180	<0.180	----	8270C
Benzo (a) Anthracene	0.0087	<0.0087	<0.0087	<0.0087	<0.0087	----	8270C
Benzo (a) Pyrene	0.015	<0.015	<0.015	<0.015	<0.015	----	8270C
Benzo (b) Fluoranthene	0.011	<0.011	<0.011	<0.011	<0.011	----	8270C
Benzo (k) Fluoranthene	0.011	<0.011	<0.011	<0.011	<0.011	----	8270C
Chrysene	0.100	<0.100	<0.100	<0.100	<0.100	----	8270C
Dibenzo (a,h) Anthracene	0.020	<0.020	<0.020	<0.020	<0.020	----	8270C
Indeno (1,2,3-c,d) Pyrene	0.029	<0.029	<0.029	<0.029	<0.029	----	8270C
Acenaphthylene	0.660	<0.660	<0.660	<0.660	<0.660	----	8270C
Benzo (g,h,i) Perylene	0.051	<0.051	<0.051	<0.051	<0.051	----	8270C
Phenanthrene	0.660	<0.660	<0.660	<0.660	<0.660	----	8270C

Stephen R. Johnson
Stephen R. Johnson, Laboratory Director

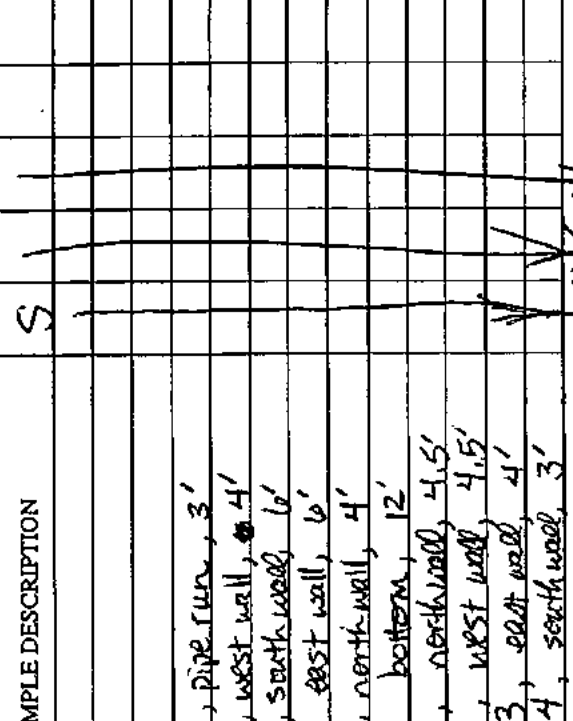
First Environmental Laboratories, Inc.

1600 Shea Road Naperville, Illinois 60563
Phone (630) 778-7200 • Fax (630) 778-1233
24 Hr. Pager (708) 569-7307
E-mail: firstenv@mcs.com
IEPA Certification #100292

COMPANY NAME: PATRICK ENGINEERING
ADDRESS: LISLE IL
PHONE: _____ FAX: _____
CONTACT NAME: CONNIE SIROTA
SAMPLED BY: HTK

DATE/TIME TAKEN	SAMPLE DESCRIPTION	S	ANALYSES	COMMENTS	LAB I.D.
5/28/98	AST-1				
	AST-2				
	AST-3				
	MED-51, pipe run, 3'				
	MED-52, west wall, 4'				
	MED-53, south wall, 6'				
	MED-54, east wall, 6'				
	MED-55, north wall, 4'				
	MED-56, bottom, 12'				
	Chiller-51, north wall, 4.5'				
	Chiller-52, west wall, 4.5'				
	Chiller-53, east wall, 4'				
	Chiller-54, south wall, 3'				
	Matrix Codes: S-Soil, W-Water, O-Other				
	Chiller-55, bottom, 6'				

MATRIX
BTEX
PMS



Preserved in: Lab Field Cooler Temperature: _____ °C

Notes and Special Instructions:

Relinquished By: Connie Sirota Date/Time: 5/28/98, 5:30pm Received By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

APPENDIX E

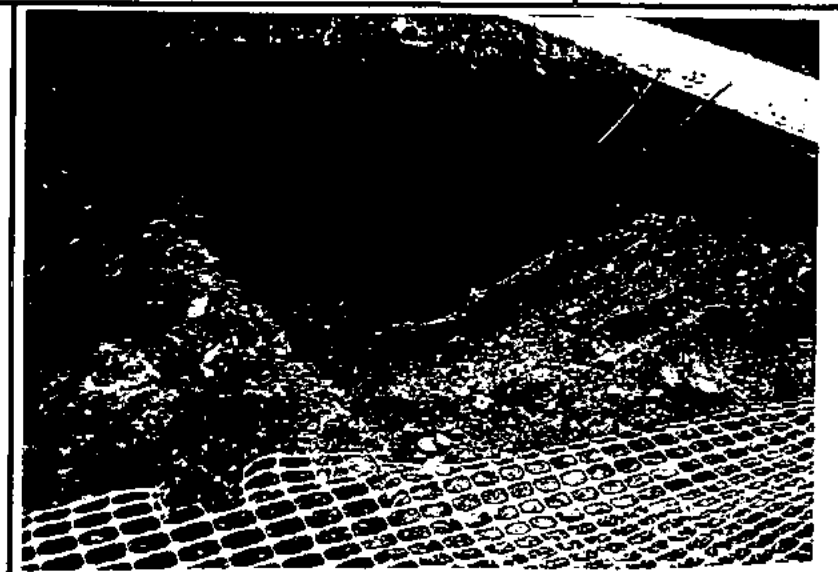
Photograph



550-gallon diesel UST removed from the Chiller House excavation area. Fiberglass tank appeared to be in good condition and did not have any holes. Tank was cleaned and hauled off-site for disposal.



Typical UST excavation soil types: dry silt, sand, and gravel.





ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 Mary A. Gade, Director

217/782-6762

AUG 04 1998

Elgin Mental Health Department of Human Services

Attention: Bob Zoller

750 South State

Elgin, Illinois 60123

Re: LPC #0894385115 -- Kane County

Elgin/Elgin Mental Health Department of Human Services

750 South State

LUST Incident No. 981344

LUST Technical File

Dear Owner/Operator:

The Illinois Environmental Protection Agency (Illinois EPA) has received the 45-Day Report for the referenced release. The report was dated July 24, 1998 and was received by the Illinois EPA on July 28, 1998. Citations in this letter are from the Illinois Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 IAC).

The Illinois EPA has determined that pursuant to 35 IAC Section 732.301, that a site classification work plan and budget must be submitted within sixty (60) days of the date of this letter. Please note the Illinois EPA does not require the submission of a budget if the owner or operator does not intend to seek reimbursement from the State Underground Storage Tank (UST) Fund.

In addition, pursuant to 35 IAC Section 732.300(b)(1), an owner or operator may choose to remediate soil and groundwater in accordance with the remediation objectives in 35 IAC Section 732.408 without conducting a site classification. It should be noted that if site characterization is not conducted in accordance with the procedures established in 35 IAC Part 732 and Title XVI of the Act, the owner or operator may not be entitled to full payment or reimbursement if a request for reimbursement from the UST Fund is submitted.

Submit all future correspondence to:

Illinois Environmental Protection Agency

Bureau of Land - #24

LUST Section

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

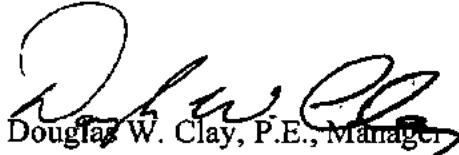
SCREENED
MM

Page 2

Please submit all correspondence in duplicate and include the "Re:" block at the beginning of this letter.

Should you have any questions, please contact the project manager on-call in the Leaking Underground Storage Tank Section at the above number.

Sincerely,



Douglas W. Clay, P.E., Manager
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

DWC:DKS;jk\9815419.WPD

bcc: Division File

0894385115-Kane

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/57.17). This form has been approved by the Permit Management Center.

DH 5 Elgin Mental Health Ctr.
JUST TEd

Underground Storage Tank Owner/Operator:

Please indicate below the type of plan/report that is being submitted to the Agency at this time. This form must be attached to all plans and reports submitted to the Agency pursuant to 35 Ill. Adm. Code 732 and 415 ILCS 5/57-57.17. Please check all that apply.

20 Day Certification XX
45 Day Report _____
Free Product Removal Report _____

	Initial Submittal	Amended Submittal
Site Classification Plan	_____	_____
Site Classification Plan Budget	_____	_____
Site Classification Completion Report	_____	_____
Groundwater Monitoring Plan (Low Priority)	_____	_____
Groundwater Monitoring Plan Budget (Low Priority)	_____	_____
Groundwater Monitoring Results (Low Priority)	_____	_____
Professional Engineer Certification (Low Priority)	_____	_____
Corrective Action Plan (High Priority)	_____	_____
Corrective Action Plan Budget (High Priority)	_____	_____
Corrective Action Completion Report (High Priority)	_____	_____
Professional Engineer Certification (High Priority)	_____	_____
Corrective Action Completion Report (35 IAC Section 732.300(b), 732.400(b) or (c))	_____	_____
Professional Engineer Certification (35 IAC Section 732.300(b), 732.400(b) or (c))	_____	_____

RECEIVED
AUG 10 1998
IEPA/BOL

I certify under penalty of law that this document was prepared by me or under my direction or supervision. This information is to the best of my belief and knowledge, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine for knowing violations.

Owner
Name: Ben Grisham
Title: Department of Human Services
Signature: Ben Grisham
Date: 8/3/98

Operator
Name: _____
Title: _____
Signature: _____
Date: _____

SCREENED
MM

Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may be a civil penalty of not to exceed \$30,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/12). Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/57.17). This form has been approved by the Permit Management Center.

Illinois Environmental Protection Agency Leaking Underground Storage Tank Program 20 Day Certification

A. Site Identification

IEMA Incident # (6 digit): 981699 IEPA Generator # (10 digit): _____

Site Name: Elgin Mental Health Center

Site Address (Not a P.O. Box): 750 South State Street

City: Elgin County: Kane

B. Certification

1. I am/we are the owner and operator of the underground storage tank system(s) from which a release was reported under the IEMA incident correctly identified above;
2. As much of the regulated substance as necessary to prevent further release to the environment has been removed;
3. There has been a visual inspection of any above ground releases or exposed below ground releases;
4. Further migration of the released substance into surrounding soils and groundwater has been prevented;
5. Monitoring of any fire and safety hazards posed by vapors or free product that have migrated from the UST excavation zone and entered subsurface structures (such as sewers or basements) will continue;
6. Hazards posed by contaminated soils that are excavated or exposed as a result of release confirmation, site investigation, abatement or corrective action activities have been remedied;
7. If the treatment remedies included treatment or disposal of soils, the owner/operator has complied with 35 Ill. Adm. Code Parts 722, 724, 725, and 807 through 815;
8. Measurement for the presence of a release has been conducted where contamination was most likely to be present at the UST site;
9. In selecting sample types, sample locations and measurement methods, the nature of the stored substance, type of backfill, depth to groundwater and other factors as appropriate for identifying the presence and source of the release have been considered;

RECEIVED
AUG 10 1998
IEPA/BOL

10. The investigations to determine the possible presence of free product, and begin free product removal as soon as possible, if applicable, in accordance with 35 Ill. Adm. Code Section 731.164 or 732.203;

C. Signatures

Owner

Name: Mr. Ben Grisham
Title: Dept. of Human Services
Address: 100 North Ninth St., Room 104
Springfield, IL 62765
Phone: (217) 785-4922
Signature: *Ben Grisham*
Date: 8/3/98

Operator

Name: _____
Title: _____
Address: _____
Phone: _____
Signature: _____
Date: _____

Consultant

Firm: Patrick Engineering Inc.
Contact: Ms. Connie Sirota
Title: Environmental Engineer
Address: 4985 Varsity Drive
Lisle, IL 60532
Phone: (630) 434-7050
Signature: *Connie Sirota*
Date: 7/31/98



0894385115-Kase

4985 Varsity Drive
Lisle, IL 60532-4144
Tel: (630) 434-7050
FAX: (630) 4-8500

DHS Elgin Mental
Health Ctr.
HUOSTech

**TRANSMITTAL
LETTER**

Date: 8/10/98
Project Name: Elgin Mental Health Center
Project No: 774.00-59

TO: Illinois Environmental Protection Agency Subject: Elgin Mental Health Center
LUST Section 20 Day Certification Form
1021 N. Grand Avenue East LUST Incident No. 981699
Springfield, IL 62794-9276

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:
 Plans Copy of letter Request for proposal **RECEIVED**
 Specifications Report Change order **AUG 14 1998**
 Shop Drawings Samples Payment request
 Other: 20-Day form **IEPA/BOL**

COPIES	DATE	NO.	DESCRIPTION
2	8/98	774.00-59	Elgin Mental Health Center 20-Day Certification Forms
			LUST Incident No. 981699

THESE ARE TRANSMITTED As requested For review and comment - please take the following action:
 For your use call or fax your comments
 For approval FOR BIDS DUE _____ 19 _____

REMARKS Hello:
Enclosed are your copies of the 20-Day Certification Forms for the recent LUST reported for the Elgin
Mental Health Center.

If you have any questions, please call.

Thank You!

FORM COPIES TO File; IEPA; B.Grisham [DHS]; A. Bauer [CDB]; B.Zoller [EMHC] SIGNED: *Cornie Luster*
TITLE: Environmental Engineer

h:\basefile\forms\trans.doc

**SCREENED
MM**

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/7 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/57.17). This form has been approved by the Forms Management Center.

Underground Storage Tank Owner/Operator:

Please indicate below the type of plan/report that is being submitted to the Agency at this time. This form must be attached to all plans and reports submitted to the Agency pursuant to 35 Ill. Adm. Code 732 and 415 ILCS 5/57-57.17. Please check all that apply.

20 Day Certification XX

45 Day Report _____

Free Product Removal Report _____

	Initial Submittal	Amended Submittal
Site Classification Plan	_____	_____
Site Classification Plan Budget	_____	_____
Site Classification Completion Report	_____	_____
Groundwater Monitoring Plan (Low Priority)	_____	_____
Groundwater Monitoring Plan Budget (Low Priority)	_____	_____
Groundwater Monitoring Results (Low Priority)	_____	_____
Professional Engineer Certification (Low Priority)	_____	_____
Corrective Action Plan (High Priority)	_____	_____
Corrective Action Plan Budget (High Priority)	_____	_____
Corrective Action Completion Report (High Priority)	_____	_____
Professional Engineer Certification (High Priority)	_____	_____
Corrective Action Completion Report (35 IAC Section 732.300(b), 732.400(b) or (c))	_____	_____
Professional Engineer Certification (35 IAC Section 732.300(b), 732.400(b) or (c))	_____	_____

RECEIVED
AUG 14 1998
IEPA/BOL

I certify under penalty of law that this document was prepared by me or under my direction or supervision. This information is to the best of my belief and knowledge, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine for knowing violations.

Owner
Name: Ben Grisham
Title: Department of Human Services
Signature: *Ben Grisham*
Date: 8/13/98

Operator
Name: _____
Title: _____
Signature: _____
Date: _____

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/57.17). This form has been approved by the Forms Management Center.

Illinois Environmental Protection Agency Leaking Underground Storage Tank Program 20 Day Certification

A. Site Identification

IEMA Incident # (6 digit): 981699 IEPA Generator # (10 digit): _____

Site Name: Elgin Mental Health Center

Site Address (Not a P.O. Box): 750 South State Street

City: Elgin County: Kane

B. Certification

1. I am/we are the owner and operator of the underground storage tank system(s) from which a release was reported under the IEMA incident correctly identified above;
2. As much of the regulated substance as necessary to prevent further release to the environment has been removed;
3. There has been a visual inspection of any above ground releases or exposed below ground releases;
4. Further migration of the released substance into surrounding soils and groundwater has been prevented;
5. Monitoring of any fire and safety hazards posed by vapors or free product that have migrated from the UST excavation zone and entered subsurface structures (such as sewers or basements) will continue;
6. Hazards posed by contaminated soils that are excavated or exposed as a result of release confirmation, site investigation, abatement or corrective action activities have been remedied;
7. If the treatment remedies included treatment or disposal of soils, the owner/operator has complied with 35 Ill. Adm. Code Parts 722, 724, 725, and 807 through 815;
8. Measurement for the presence of a release has been conducted where contamination was most likely to be present at the UST site;
9. In selecting sample types, sample locations and measurement methods, the nature of the stored substance, type of backfill, depth to groundwater and other factors as appropriate for identifying the presence and source of the release have been considered;

RECEIVED

AUG 14 1998

IEPA/BOL

10. The investigations to determine the possible presence of free product, and begin free product removal as soon as possible, if applicable, in accordance with 35 Ill. Adm. Code Section 731.164 or 732.203;

C. Signatures

Owner

Operator

Name: Mr. Ben Grisham

Name: _____

Title: Dept. of Human Services

Title: _____

Address: 100 North Ninth St., Room 104
Springfield, IL 62765

Address: _____

Phone: (217) 785-4922

Phone: _____

Signature: *Ben Grisham*

Signature: _____

Date: 8/3/98

Date: _____

Consultant

Firm: Patrick Engineering Inc.

Contact: Ms. Connie Sirota

Title: Environmental Engineer

Address: 4985 Varsity Drive

Lisle, IL 60532

Phone: (630) 434-7050

Signature: *Connie Sirota*

Date: 7/31/98



0894385115 - Kane
DHS Elgin mental Health
ctr.
LUST Ted
Transportation
Infrastructure
Environmental
Planning
Architecture
Design/Build
Surveying

October 5, 1998

Illinois Environmental Protection Agency
Bureau of Land -- #24 (LUST Division)
1021 North Grand Avenue East
PO Box 19276
Springfield, IL 62794-9276

Subject: LUST Incident Number 981699
Elgin Mental Health Center, Elgin, IL

RE: Premature reporting of Incident

RECEIVED
OCT 09 1998
IEPA/BOL

To Whom It May Concern:

LUST Incident Number 981699, dated July 13, 1998, at the Elgin Mental Health Center, was reported prematurely, and based on a single "tank-tightness" test. This first (vacuum) test was performed by "TANKNOLOGY - NDE" on July 9, 1998 (see attached: Appendix A). As the tank was not scheduled for removal, there was no OSFM inspector present. There was no other evidence of petroleum product leakage to the surrounding soil at that time. The facility reported the LUST Incident pending further investigation of the tank.

Since that date, the tank has been re-tested using two alternative methods:

- 1- From August 26 to September 9, 1998, a "tracer" test was performed by "Accurate Tank Technologies." The product level inside the tank did not change during that period, there was no water found, and there was no "tracer" detected in the soil surrounding the tank. "Accurate Tank Technologies" declared the tank: "PASSED." (see attached: Appendix B)
- 2- As part of the ongoing system upgrades, a tank level monitoring system has been installed that includes a Volumetric Leak Detection (VLD) Test. To verify the tank's performance, a VLD test was performed on September 25, 1998. A second VLD test was performed on October 1, 1998. Both VLD tests declared there was NO WATER in the tank, and that the content level had not changed by more than the acceptable amount. (see attached: Appendix C).

At present time, there is no evidence that a release of petroleum product has occurred. The evidence now indicates that there has been no LUST Incident, and the report was mistaken.

SCREENED
MM

Patrick Engineering Inc. hereby requests that the reported LUST, Incident Number 981699, be declared incorrectly reported and void.

Please inform me if there is any further information needed to declare the Incident void.

Regards,

PATRICK ENGINEERING INC.

A handwritten signature in black ink, appearing to read "Dan R Spisiak". The signature is written in a cursive, somewhat stylized font.

Daniel R. Spisiak, P.E.
Senior Mechanical Engineer

Enc: Appendix A – TANKNOLOGY tank tightness test
Appendix B – Accurate Tank Technology tank tightness test
Appendix C – VLD Results

p:\cdb\774\correspondence\98\1005-epa.doc

Appendix A

CERTIFICATE OF UNDERGROUND STORAGE TANK SYSTEM TESTING

TANKNOLOGY-NDE

TANKNOLOGY - NDE

Service, Quality, Integrity

8900 SHOAL CREEK, BUILDING 200
AUSTIN, TEXAS 78757
(512) 451-8334
FAX (512) 459-1459

TEST RESULT SITE SUMMARY REPORT

TEST TYPE: VacuTest

PURPOSE: COMPLIANCE

TEST DATE: 07/09/98

WORK ORDER NUMBER: 6207310

CLIENT: CAPE ENVIRONMENTAL
91 NOLL STREET
WAUKEGAN, IL 60085

SITE: ELGIN MENTAL HEALTH CENTER
750 S. STATE ST. (RT. 31)
ELGIN, IL 60123

ATTN: LLOYD CASTLEMAN

The following test(s) were conducted at the site above in accordance with all applicable portions of Federal, NFPA and local regulations

Tank Tests

TANK NUMBER	FUEL TYPE	TEST VOLUME	LEAKAGE RATE	TEST RESULT	LEAKAGE RATE	TEST RESULT
1	UNLEADED	1,000	47.00	PASS	0.000	PASS
2	DIESEL	1,000	47.00	FAIL	0.000	FAIL

Line and Leak Detector Tests

TANK NUMBER	FUEL TYPE	TEST VOLUME	LEAKAGE RATE	TEST RESULT	LEAKAGE RATE	TEST RESULT
1	UNLEADED			PA		
2	DIESEL			PA		

TANKNOLOGY-NDE appreciates the opportunity to serve you, and looks forward to working with you in the future. Please call any time, day or night, when you need us.

TANKNOLOGY-NDE Representative:

TODD FERGUSON

Todd Ferguson

Test conducted by:

Carson Guloff

Reviewed:

Technician Certification Number:

Printed 07/15/98 09:07 TFERGUSON

Appendix B

TRACER TIGHT® TEST RESULTS

Prepared for:
 Accurate Tank Technologies
 30 W 771 Butterfield Road
 Naperville, IL 60563-9658
 Testers St Lic. No: IL1594

9/14/98
 Job No: 211196
 Elgin Mental Health Center
 750 South State Street
 Elgin, IL 60123

SYSTEM#	PRODUCT	SIZE	TRACER	LEAK STATUS	TANK LINE
Tank 1	Diesel	1,000	W	Pass	N/A

Soil permeability is greater than 26.1 darcys.

SYSTEM#	AT INOCULATION 08/16/98		AT SAMPLING 09/09/98		DEPTH FROM GRADE TO WATER TABLE (in)	DEPTH FROM GRADE TO TANK BOTTOM (in)
	H ₂ O (in)	PROD (in)	H ₂ O (in)	PROD (in)		
Tank 1	0.00	35.00	0.00	35.00	>90	50

Submitted by:


 Rob Griffin
 Tracer Research Corporation

Appendix C

TH 10/01/98 14:18:17
Tank 1
Product Type: DIESEL
H2O: 0.00 in.
Product: 35.26 in.
T.C.: 768.16 Gal.
Gross: 771.06 Gal.
H2O: 0.00 Gal.
Temp. 68.35 deg F
Ullage: 199.94 Gal.

ULD Results Tank 1
TH 10/01/98
Start Time 10:41:45
Elapsed Time 04:00:01
Start Temp. 68.31 Deg.
End Temp. 68.35 Deg.
Start Water: 0.000 Gal.
End Water: 0.000 Gal.
Start Level: 35.261 In.
End Level: 35.261 In.
Start Vol. 768.090 Gal.
End Vol. 768.091 Gal.
Delta Gals. 0.000 Gal.
Rate: 0.000 GPH
.1 GPH Test, Thresh .05
PASSED
.2 GPH Test, Thresh .1
PASSED
No Drop Data

ULD Results Tank 1
FR 09/25/98
Start Time 16:02:00
Elapsed Time 04:00:00
Start Temp. 67.74 Deg.
End Temp. 67.81 Deg.
Start Water: 0.000 Gal.
End Water: 0.000 Gal.
Start Level: 35.284 In.
End Level: 35.284 In.
Start Vol. 768.823 Gal.
End Vol. 768.838 Gal.
Delta Gals. 0.015 Gal.
Rate: 0.003 GPH
.1 GPH Test, Thresh .05
PASSED
.2 GPH Test, Thresh .1
PASSED
No Drop Data *DIESEL*

Volumetric Leak Detection test results

OMNTEC OEL8000 Automatic Tank-Gauge
and Leak-Detection System



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 Mary A. Gade, Director

217/782-6762

CERTIFIED MAIL

NOV 12 1998

P344336404

Elgin Mental Health Department of Human Services
Attention: Bob Zoller
750 South State
Elgin, Illinois 60123

Re: LPC #0894385115 -- Kane County
Elgin/Elgin Mental Health Department of Human Services
750 South State
LUST Incident No. 981344
LUST Technical File

Dear Mr. Zoller:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the report submitted for the above-referenced incident. This report, dated October 5, 1998, was received by the Illinois EPA on October 9, 1998. Citations in this letter are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 IAC).

Based on the information currently in the Illinois EPA's possession, the Illinois EPA deems this incident not subject to 35 Illinois Administrative Code, Part 732 or 35 Illinois Administrative Code, Part 731. Therefore the IEPA Leaking Underground Storage Tank Section has no reporting requirements regarding this incident.

This letter, however, does not address whether any remaining contamination at this site is being managed to protect human health or the environment. Any remaining contamination not the subject of this letter, may be subject to other provisions of the Illinois Environmental Protection Act.

If you wish to address any remaining contamination, or portion thereof, at the site and want Illinois EPA concurrence that any cleanup measures taken are protective of human health, you may wish to consider participation in the Illinois EPA's Site Remediation Program. The Site Remediation Program has been developed to provide Illinois EPA guidance, assistance and determinations of successful completion for the voluntary conduct of remediation actions. The objectives of the program are as follows:

1. To provide Illinois EPA experience and assistance towards a timely, effective, and resource efficient clean-up of soil and/or groundwater contamination; and

SC 11/12/98

Page 2

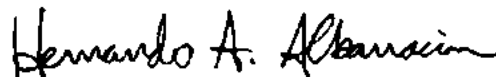
2. To provide proper conclusion of participation in the program resulting in the issuance of either a No Further Remediation letter or a Release of Responsibility letter by the Illinois EPA.

Under the Site Remediation Program the Illinois EPA is authorized, and may agree, to provide review and evaluation services for actions at sites where hazardous substances, pesticides or petroleum may be present for which the owner or operator requested such services in writing. Any other person similarly may request review and evaluation services for actions at the site so long as that other person has provided the Illinois EPA with the written permission of the owner or operator to conduct those actions. Participants in the Program are required to reimburse the Illinois EPA for such services. Enclosed is a packet of information that further explains the Site Remediation Program.

Within 35 days after the date of mailing of this final decision, the owner or operator may petition for a hearing before the Illinois Pollution Control Board (Board) to contest the decision of the Illinois EPA. (For information regarding the filing of an appeal, please contact the Board at 312/814-3620.) However, the 35-day period for petitioning for a hearing may be extended for a period of time not to exceed 90 days by written notice provided to the Board from the owner or operator and the Illinois EPA within the 35-day initial appeal period. (For information regarding the filing of an extension, please contact the Illinois EPA's Division of Legal Counsel at 217/782-5544.)

If you have any questions or require further assistance, please contact Dawn Ingold at 217/785-8378.

Sincerely,



Hernando A. Albarracin
Unit Manger
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

HAA:DI

cc: Patrick Engineering, Inc.

bcc: Division
Hernando Albarracin
Dawn Ingold

P 344 336 404

24

US Postal Service *981344*
Receipt for Certified Mail

No Insurance Coverage Provided.
 Do not use for International Mail (See reverse)

Sent to <i>Elgin Mental Health Dept. of Human Services</i>	
Street & Number <i>750 S. State</i>	
Post Office, State, & ZIP Code <i>Elgin IL 60123</i>	
Postage	\$
Certified Fee	<i>(-25)</i>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	<i>10/19</i>
Return Receipt Showing to Whom, Date, & Addressee's Address	<i>10/19</i>
TOTAL Postage & Fees	\$ <i>25.00</i>
Postmark or Date	

PS Form 3800, April 1995

Fold at line over top of envelope to

Is your RETURN ADDRESS completed on the reverse side?	SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.	I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.
	3. Article Addressed to: <i>Elgin Mental Health Dept. of Human Services</i> <i>Bob Zoller</i> <i>750 S. State</i> <i>Elgin IL 60123</i>	4a. Article Number <i>P344 336 404</i>	24
5. Received By: (Print Name) X <i>[Signature]</i>	4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	<input checked="" type="checkbox"/> Certified <input type="checkbox"/> Insured <input type="checkbox"/> COD
6. Signature: (Addressee or Agent)	7. Date of Delivery <i>NOV 19 1998</i>	8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE

SPRINGFIELD, IL

P&D

11 22

11/15

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

Illinois Environmental Protection Agency

P.O. Box 19276 Mail Code #

Springfield, IL 62794-9276



November 20, 1998

Illinois Environmental Protection Agency
Bureau of Land - #24, LUST Section
1021 N. Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Reference: LPC #0894385115 - Kane County
Elgin/Elgin Mental Health Department of Human Services
750 South State
LUST Incident No. 981344
LUST Technical File

RECEIVED
NOV 23 1998
IEPA/BOL

PEI Project: 774.00-59

Dear Sir or Madam:

This letter is being sent as an addendum to the 45-Day Report submitted for the 550-gallon diesel leaking underground storage tank formerly located at the above-mentioned facility. This addendum addresses the disposal of soil temporarily stockpiled at the Site until the contractor could be remobilized. In summary, confirmation samples collected from this excavation zone indicated that native soil from the excavation zone was unaffected by the minor product release. Diesel parameter concentrations in all five confirmation samples were reported to be below the detectable limits of the laboratory tests. The analytical results are summarized in Table 1, attached. The laboratory report was included in Appendix D of the 45-Day Report. It was also identified that all area potable water wells are greater than 1,000 feet from this minor LUST incident and that soils in the area consist of greater than 50 feet of silty clay.

As stated in the 45-Day Report, during the tank removal, the stained soil from the sidewalls and bottom of the excavation was removed and temporarily stockpiled at the Site. After report submittal, this stockpiled soil was hauled and disposed at a licensed non-hazardous waste landfill on October 29, 1998. The manifest for disposal of the approximately 45 cubic yards of soil is attached.

SCREENED
MM

It is the opinion of Patrick Engineering Inc., therefore, that no additional investigations or remedial actions are necessary for LUST Incident No. 981344. We request that upon review of this letter, the attached Professional Engineer's Certification, and the previously submitted 45-Day report, that a "No Further Remediation Letter" be issued for this incident.

If you have any questions or need further information, feel free to call me at (630) 434-7050.

Very truly yours,

PATRICK ENGINEERING INC.



Connie M. Sirota
Project Engineer

Attachments: Professional Engineer's Certification
Table 1—Excavation Confirmation Sample Results
Soil Disposal Manifest

c: file
S. Jasker (PEI)
A. Bauer (CDB)
B. Zoller (EMHC)
B. Grisham (DHS)

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/7-57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$30,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offenses after conviction hereunder is a Class 3 felony (415 ILCS 5/57.17). This form has been approved by the Permit Management Center.

Illinois Environmental Protection Agency Leaking Underground Storage Tank Program Professional Engineer Certification

A. Site Identification

IEMA Incident # (6 digit): 981344 IEPA Generator # (10 digit): 0894385115

Site Name: Elgin Mental Health Center

Site Address (Not a P.O. Box): 750 South State Street

City: Elgin County: Kane

B. Certification

The release from the underground storage tank system(s) identified by the above referenced incident number at the above referenced site has been remediated in accordance with 35 Ill. Adm. Code, Part 731 or 732 and other applicable rules and regulations. The remedial activities are described in the Corrective Action Completion Report dated 45-Day Report & Addendum 7/98 & 11/98. The remediation has achieved the objectives set forth by the Agency in:

35 Ill. Adm. Code Part 742 XX

Site Specific Cleanup Objectives approved by the Agency in the letter dated _____

Other (specify) _____

RECEIVED
NOV 23 1998
IEPA/BOL

I certify under penalty of law that the Corrective Action Completion Report, supporting documents and all attachments were prepared under my direction or supervision or were reviewed by me. To the best of my knowledge and belief, the attached Corrective Action Completion Report, supporting documents and all attachments are true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of the fine and imprisonment for knowing violations.

Professional Engineer

P.E. Seal

Name: Jeffrey Schuh

Firm: Patrick Engineering Inc.

Address: 4985 Varsity Drive
Lisle, IL 60532

Phone: (630) 434-7050

Ill. Registration No.: 062-042614

License Expiration Date: Nov. 30, 1999

Signature: Jeffrey C. Schuh

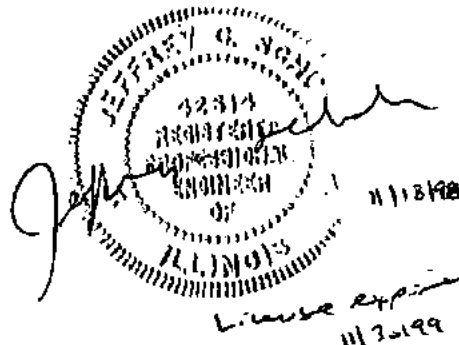


TABLE 1
EXCAVATION CLOSURE SAMPLE RESULTS -- CHILLER HOUSE LUST
ELGIN MENTAL HEALTH CENTER -- ELGIN, ILLINOIS
LUST INCIDENT NO. 981344

Sample	Soil Remediation Objectives (mg/kg) ²	CHILLER-S1	CHILLER-S2	CHILLER-S3	CHILLER-S4	CHILLER-S5
		North Sidewall 4.5	West Sidewall 4.5	East Sidewall 4	South Sidewall 3	Bottom 6
VOCs (mg/kg)						
Benzene	0.03 ^{1*}	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	12 ^{1*}	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene	13 ^{1*}	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes (Total)	150 ^{1*}	<0.005	<0.005	<0.005	<0.005	<0.005
PNAs (mg/kg)						
Naphthalene	84 ^{1*}	<0.660	<0.660	<0.660	<0.660	<0.660
Acenaphthene	570 ^{1*}	<1.200	<1.200	<1.200	<1.200	<1.200
Anthracene	12,000 ^{1*}	<0.660	<0.660	<0.660	<0.660	<0.660
Fluoranthene	3100 ^{1*}	<0.660	<0.660	<0.660	<0.660	<0.660
Fluorene	560 ^{1*}	<0.140	<0.140	<0.140	<0.140	<0.140
Pyrene	2300 ^{1*}	<0.180	<0.180	<0.180	<0.180	<0.180
Benzo(a)anthracene	0.9 ^{1*}	<0.0087	<0.0087	<0.0087	<0.0087	<0.0087
Benzo(a)pyrene	0.09 ^{1*}	<0.015	<0.015	<0.015	<0.015	<0.015
Benzo(b)fluoranthene	0.9 ^{1*}	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(k)fluoranthene	9 ^{1*}	<0.011	<0.011	<0.011	<0.011	<0.011
Chrysene	88 ^{1*}	<0.100	<0.100	<0.100	<0.100	<0.100
Dibenzo(a,h)anthracene	0.09 ^{1*}	<0.020	<0.020	<0.020	<0.020	<0.020
Indeno(1,2,3-c,d)pyrene	0.9 ^{1*}	<0.029	<0.029	<0.029	<0.029	<0.029
Acenaphthylene	---	<0.660	<0.660	<0.660	<0.660	<0.660
Benzo(g,h,i)perylene	---	<0.051	<0.051	<0.051	<0.051	<0.051
Phenanthrene	---	<0.660	<0.660	<0.660	<0.660	<0.660

Notes:

- Laboratory analyses were performed by Prairie Analytical Systems, Inc., Springfield, Illinois, in accordance with SW-846 Method Number 8020 (BTEX) and 8270B (PNAs).
- Soil Remediation Objectives are from the IEPA BCL Tiered Approach to Corrective Action Objectives (TACO) Guidance Document, App B, Table A, June 5, 1997. The value indicated is the lowest Tier 1 value of the three potential residential exposure routes as indicated: ingestion (ing), inhalation (inh), or migration to Class I groundwater (gw).
- Bolded and shaded value indicates concentration exceeds the TACO Soil Remediation Objective.



92

PLEASE TYPE

(Form designed for use on 6-line (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded area is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address KILGIN MENTAL HEALTH CENTER 750 S. STATE ST. KILGIN, IL 60123		Location if Different (847) 742-1040 X 2562		A. Illinois Manifest Document Number 7744019	SEE PAID IF APPLICABLE
4. "24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS"		5. Transporter 1 Company Name FRANKLY TRUCKING, INC. #82	6. US EPA ID Number N/A	C. Illinois Transporter's ID 00000000000000000000	Transporter's Phone
7. Transporter 2 Company Name		8. US EPA ID Number	E. Illinois Transporter's ID	Transporter's Phone	
9. Designated Facility Name and Site Address WOODLAND LANDFILL 7 N. 50th, RT. 25 NORTH KILGIN, IL 60125		10. US EPA ID Number N/A	G. Illinois Facility's ID	Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit W/Vol	Waste No.
HAZARDOUS BY THE US DEPARTMENT OF TRANSPORTATION		0010	1.50		XX
b.					XX
c.					XX
d.					XX
J. Additional Description for Materials Listed Above OIL CONTAMINATED WITH DIESEL FUEL IRON MAKING UNDERGROUND & ABOVEGROUND STORAGE TANKS HAZARDOUS BY THE USEPA		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information 15 R					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		Printed/Typed Name STEVE JASKER		Signature <i>[Signature]</i>	Date 10/29/98
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name GREG ZAREBA		Signature <i>[Signature]</i>	Date 10/29/98
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	Date
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Printed/Typed Name		Signature	Date

GENERATOR

TRANSPORTER

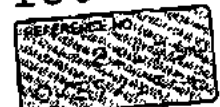
FACILITY

IN CASE OF A SPILL CALL THE ILLINOIS OFFICE OF EMERGENCY RESPONSE AT 217/782-6000 AND THE NATIONAL RESPONSE CENTER AT 800/424-6002 OR 202/762-2013.

This Agency is authorized to require, pursuant to Illinois Revised Statutes, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

(DRIVER: PLEASE SIGN BELOW)

155752



THE RECEIPT

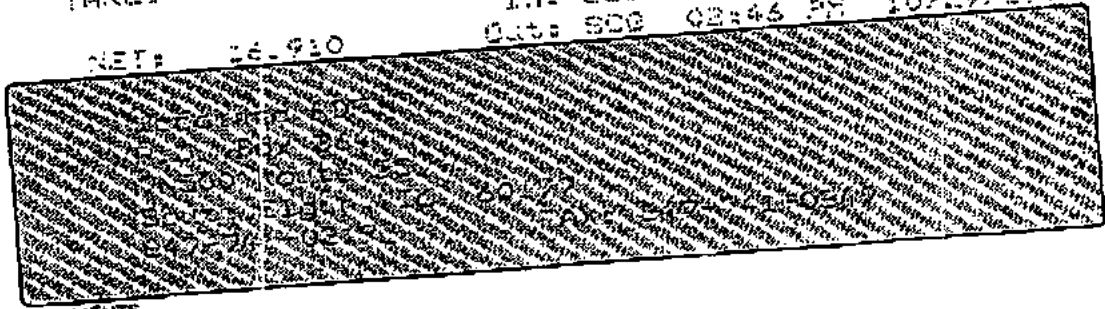
(PLEASE SIGN HERE)

LOCATION: S. ELGIN ILLINOIS

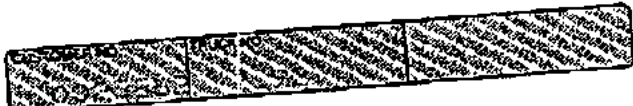
DATE: 10/29/1998

Reburied

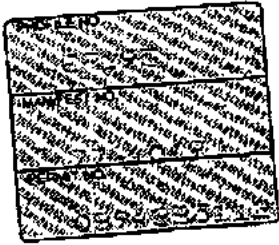
GROSS: 60.570 Qty: 1200 Date: 10/29/1998
 TAX: 18.960 (File) In: 500 02:46 PM 10/29/1998
 NET: 41.610 Out: 500 03:46 PM



COMMENTS



CUSTOMER
 Elgin Mental Health Center
 c/o Ecology Services
 91 North Street
 ELGIN ILLINOIS 60120



LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	PERSON
058	Contaminated Soil	15.00	

MANUAL

ORIGINAL



63

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A		Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address KICIN MENTAL HEALTH CENTER 750 S. STATE ST. KICIN, IL 60122				Location If Different		A. Illinois Manifest Document Number 7744013	
4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS (47) 742 1040 & 2402				6. US EPA ID Number		B. Illinois Generator ID Number	
5. Transporter 1 Company Name BERKELKY TRUCKING, INC.				7. Transporter 2 Company Name		C. Illinois Transporter 1 ID Number	
9. Designated Facility Name and Site Address WOODLAND LANDFILL 7 N. 500, RT. 25 SOUTH KICIN, IL 60525				10. US EPA ID Number		D. Illinois Transporter 2 ID Number	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
NOT HAZARDOUS BY THE US DEPARTMENT OF TRANSPORTATION				0 0 1 U T		14. Unit Wt/Vol	
15. Special Handling Instructions and Additional Information B115 2 15, 15, 15, 15, 15, 15				16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.		17. Transporter 1 Acknowledgement of Receipt of Materials	
Printed/Typed Name: STEVE JASKER				Signature: [Signature]		Date: 10 29 98	
Printed/Typed Name: JOSE MACIAS				Signature: [Signature]		Date:	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
19. Discrepancy Indication Space				Signature		Date	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.				Signature		Date	

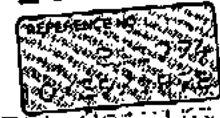
GENERATOR TRANSPORTER FACILITY

In case of a spill call the Illinois Office of Emergency Response at 217 / 782-7860 and the National Response Center at 800 / 424-8802 or 202 / 426-2673.

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 117, Sections 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falseification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Office.

(DRIVER: PLEASE SIGN BELOW)

155753



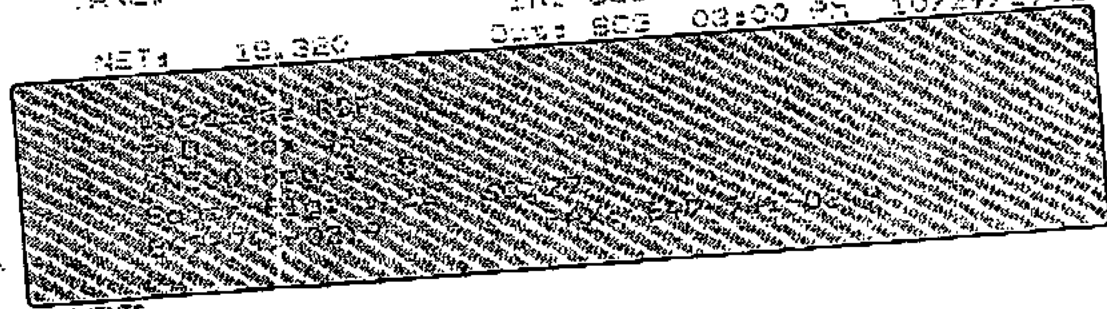
Trk Receipt

(PLEASE SIGN HERE)

LOOSEMOUNT COUNTY
 ELGIN Kans

ST 800
 IN 1000

GRAND	GRAND	GRAND	GRAND	GRAND	GRAND
00.000	00.000		Over	Time	Date
10.000	10.000 (FILE)		In: 800	08:00 PM	10/29/1998
			Out: 800	08:00 PM	10/27/1998
NET	10.000				

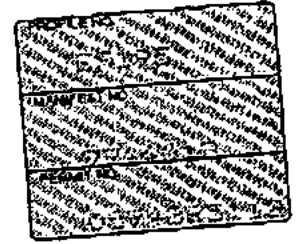


COMMENTS



CUSTOMER

Elgin Mental Health Center
 c/o Ecology Services
 91 10th Street
 Elgin, KS 66005



LOAD NO.	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
000	Contaminated Soil	25.00	

W10001



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0038

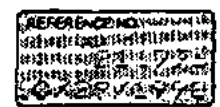
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's EPA ID No. 60014		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.					
3. Generator's Name and Mailing Address KELGIN MENTAL HEALTH CENTER 750 N. STATE ST. KELGIN, IL. 60123				Location If Different (847) 742-1040 x 2562		Illinois Manifest Document Number 157744017					
4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS*				5. Transporter 1 Company Name HEARLEY TRUCKING, INC.		Illinois Generator ID#					
				6. N/A US EPA ID Number		Illinois Transporter ID#					
				7. Transporter 2 Company Name		Illinois Transporter ID#					
				8. / US EPA ID Number		Illinois Transporter Phone					
9. Designated Facility Name and Site Address WOODLAND LANDFILL 7 N. 500. RT. 26 SMITH KELGIN, IL., 60525				10. N/A US EPA ID Number		Illinois Facility ID#					
						Illinois Facility Phone					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.		
NOT HAZARDOUS BY THE US DEPARTMENT OF TRANSPORTATION						001	00120	Y	XX		
a.									XX		
b.									XX		
c.									XX		
d.									XX		
16. Special Handling Instructions and Additional Information 15X15, 21X15, 31X15, 45X15, 15, 15, 15						17. Handling Codes (CR) (N) (S) (B) (A) (U) (M) (H) (I) (T) (L) (P) (O) (D) (C) (E) (F) (G) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)					
18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name STEVE JASKER		Signature <i>[Signature]</i>		Date 10/23/98	
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name REFUGIO BAYAR		Signature <i>[Signature]</i>		Date	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space						Printed/Typed Name		Signature		Date	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						Printed/Typed Name		Signature		Date	

This Agency is authorized to require, pursuant to Illinois Revised Statutes, 1990, Chapter 111, IZS, Sections 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Participation of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Council.

COPY 5. GENERATOR MAIL TO IEPA (RCRA AND PCB WASTES)

In case of a spill call the Illinois Office of Emergency Response at 1-800-242-1000 and the National Response Center at 1-800-424-8802.

155755



Tkt Reprint

(PLEASE SIGN HERE)

LOCATION: ST. ELIZABETH'S HOSPITAL
 COUNTY: WILSON

ST. PETE
 IL 100

[Handwritten Signature]

GROSS: 38.370
 TARE: 14.830 (File)
 NET: 23.540

Open Time Date
 In: 503 03:08 PM 10/29/1998
 Out: 505 03:08 PM 10/29/1998

COMMENTS

[Faded, illegible text]

CUSTOMER NO. 000306

CUSTOMER
 Elgin Mental Health Center
 c/o Ecology Services
 91 Roll Street
 Waukegan IL 60085

PROPERTY NO. 000306

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
659	Contaminated Soil	15.00	

ORIGINAL

180091



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 Mary A. Cade, Director

217/782-6762

CERTIFIED MAIL

0344336580

NOV 30 1998

Elgin Mental Health Department of Human Services
Attention: Bob Zoller
750 South State
Elgin, Illinois 60123

Re: LPC #0894385115 -- Kane County
Elgin/Elgin Mental Health Department of Human Services
750 South State
LUST Incident No. 981699
LUST Technical File

Dear Mr. Zoller:

The letter for Incident No.981344 dated November 12, 1998 was erroneously sent by the Agency. The letter should have been for LUST Incident No. 981699.

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the report submitted for the above-referenced incident. This report, dated October 5, 1998, was received by the Illinois EPA on October 9, 1998. Citations in this letter are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 IAC).

Based on the information currently in the Illinois EPA's possession, the Illinois EPA deems this incident not subject to 35 Illinois Administrative Code, Part 732 or 35 Illinois Administrative Code, Part 731. Therefore the IEPA Leaking Underground Storage Tank Section has no reporting requirements regarding this incident.

This letter, however, does not address whether any remaining contamination at this site is being managed to protect human health or the environment. Any remaining contamination not the subject of this letter, may be subject to other provisions of the Illinois Environmental Protection Act.

If you wish to address any remaining contamination, or portion thereof, at the site and want Illinois EPA concurrence that any cleanup measures taken are protective of human health, you may wish to consider participation in the Illinois EPA's Site Remediation Program. The Site Remediation Program has been developed to provide Illinois EPA guidance, assistance and determinations of successful completion for the voluntary conduct of remediation actions. The objectives of the program are as follows:

SCREENED
11/30/98

Page 2

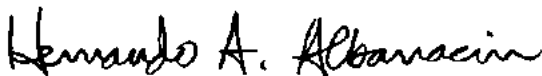
1. To provide Illinois EPA experience and assistance towards a timely, effective, and resource efficient clean-up of soil and/or groundwater contamination; and
2. To provide proper conclusion of participation in the program resulting in the issuance of either a No Further Remediation letter or a Release of Responsibility letter by the Illinois EPA.

Under the Site Remediation Program the Illinois EPA is authorized, and may agree, to provide review and evaluation services for actions at sites where hazardous substances, pesticides or petroleum may be present for which the owner or operator requested such services in writing. Any other person similarly may request review and evaluation services for actions at the site so long as that other person has provided the Illinois EPA with the written permission of the owner or operator to conduct those actions. Participants in the Program are required to reimburse the Illinois EPA for such services.

Within 35 days after the date of mailing of this final decision, the owner or operator may petition for a hearing before the Illinois Pollution Control Board (Board) to contest the decision of the Illinois EPA. (For information regarding the filing of an appeal, please contact the Board at 312/814-3620.) However, the 35-day period for petitioning for a hearing may be extended for a period of time not to exceed 90 days by written notice provided to the Board from the owner or operator and the Illinois EPA within the 35-day initial appeal period. (For information regarding the filing of an extension, please contact the Illinois EPA's Division of Legal Counsel at 217/782-5544.)

If you have any questions or require further assistance, please contact Dawn Ingold at 217/785-8378.

Sincerely,



Hernando A. Albarracin
Unit Manager
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

HAA:DI

cc: Patrick Engineering, Inc. bcc: Hernando Albarracin
Division File
Dawn Ingold

P 344 336 590

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to <i>Elgin Mental Health Dept</i>	
Street & Number <i>750 S. State</i>	
Post Office, State, & ZIP Code <i>Elgin, IL 60123</i>	
Postage	\$
Certified Fee	<i>1.35</i>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	<i>1-22</i>
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	<i>1.35</i>
Postmark or Date	<i>NOV 30 1998</i>

PS Form 3800, April 1995



Fold at line over top of envelope to

Is your RETURN ADDRESS completed on the reverse side?	SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.	I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.
	3. Article Addressed to: <i>Elgin Mental Health Dept of Bob Zoller Human Serv. 750 South State Elgin, IL 60123</i>	4a. Article Number: <i>981699</i> <i>1344336 590</i>
	4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	<input checked="" type="checkbox"/> Certified <input type="checkbox"/> Insured <input type="checkbox"/> COD
5. Received By: (Print Name) 6. Signature: (Addressee or Agent) <i>X</i>	7. Date of Delivery: <i>DEC 02 1998</i>	8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

Illinois Environmental Protection Agency

P.O. Box 19276 Mail Code #

Springfield, IL 62794-9276

LUST TECHNICAL REVIEW NOTES

Reviewed by: Dawn Ingold

File Heading:

LPC #0894385115 -- Kane County
Elgin/Elgin Mental Health Department of Human Services
750 South State
LUST Incident No. 981344
LUST Technical File

Date Reviewed: February 25, 1999

Document(s) Reviewed:

06/30/98 - 20 Day Certification
07/28/98 - 45 Day Report
11/23/98 - CACR

General Site Information:

IEMA date(s): 06/05/98
Size & Product of Tanks: 1-500gal/diesel fuel
UST System removed (Y/N): y
Encountered Groundwater (Y/N): n
Free Product (Y/N): n
Current/Past Land Use:
Reimbursement (Y/N/unknown):
OSFM Fac. ID # ___:

Review Note Comments:

45 Day Report :

There was 34 cubic yards of soil removed from the excavation area. The release was from the vent pipe located on the south end of the tank during the excavation and removal process. There appears to be a planned tank pull.

Confirmation samples were collected from sidewalls and bottom of the UST excavation. The sample results are all below Tier 1 soil objectives.

CACR:

The impacted soil was removed offsite. The CACR included a P.E. Certification but no seal was provided. PM called the P.E. on February 25, 1999 requesting a proper P.E. certification be provided and closure information be provided.

Pms Recommendation/Comments: Recommending closure of site once P.E. Certification and closure information provided.

SCREENED
M M

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 5/57.17). Failure to disclose this information may result in the Agency's inability to issue a No Further Remediation letter under Title XVI. Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/57.17). This form has been approved by the Forms Management Center.

0894385115 - Kane
Elgin Mental Health Dept.
Human Serv.
RECEIVED

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program

MAR 12 1999

IEPA/BOL

A. Site Identification

IEMA Incident # (6 digit): 981344 IEPA Generator # (10 digit): 0894385115

Site Name: Elgin Mental Health Center

Site Address (Not a P.O. Box): 750 S. State Street

City: Elgin County: Kane

B. Identification of Property Ownership

Indicate which statement below is applicable to this site:

- The property owner is the same as the Underground Storage Tank owner
- The property owner is not the same as the Underground Storage Tank owner

C. Property Ownership Declaration

The property owner must approve of all engineered barriers, institutional controls and other use restrictions, if any, proposed for the site. These controls and restrictions will be identified in the No Further Remediation (NFR) letter and must be attached to the property title. Failure to maintain these controls and restrictions is grounds for voidance of the NFR letter. This form may be used to notify the Agency of such approval.

I hereby approve / disapprove of all engineered barriers, institutional controls and other use restrictions, if any, that are proposed for the above referenced site and that will be identified in the NFR letter. I agree to have the NFR letter recorded in the chain of title for the site.

Name of property owner: ST. OF ILL. / DEPT. OF HUMAN SERVICES / ELGIN MENTAL HEALTH CENTER

Address: 750 So. STATE ST. OR (DEPT OF HUMAN SERVICES)

Phone: 217/782/9738

Signature: R. Dew Kerr

Date: 3/11/99

100 No. Ninth St.
SPFLD. IL 62765
ATT. DEW KERR

D. Site Description

Real Estate Tax/Parcel Index Number: 0623400002

Legal Description of Site (may be provided on a separate sheet): _____



0894385115- Karly
Elgin mental Health
Dept. Human Serv.
Trust Tech



Jim Edgar, Governor

Howard A. Peters III, Secretary

401 Wm. G. Stratton Bldg. • Springfield, IL 62765

3/12/99

MR. ALBARRACIN.

As requested by Patrick Engineering, I have enclosed a copy of the Elgin M. H. C. property description. If you need any further information please don't hesitate to contact them.

Bew Grisham
Regional Chief Eng.
217-782-9408

RECEIVED
MAR 16 1999
IEPA/BOL

SCREENED
MM

EMHC-401
(111588)

ELGIN MENTAL HEALTH CENTER
750 South State Street
Elgin, Illinois 60123-7692

I N T R A - F A C I L I T Y
C O R R E S P O N D E N C E

DATE: October 4, 1989

MEMO TO: Drew Kerr - Contract Management

FROM: Carl Aschenbrenner - Assistant Business Administrator



SUBJECT: Legal Description

Attached are the legal descriptions we discussed last week. Attachment I is the Plat of Survey of the current campus and contains the legal description for what we currently use. Attachment II is the legal description of the land shown on the Plat of Survey plus the land currently used by CMS/DOT on the east side of State Street (Rt. 31). As you will note from the shaded section on the attached map the problem is that the parcel with permanent index number 6-24-351-006 includes not only the land we no longer want but also the front section of our campus. Attachment III and IV are copies of the deeds for the property to the south of the subject property. Please note that Attachment III references the "Westerly bank of the Fox River as a measurable place even as in Attachment II.

It is hoped that your review of this material will help draw the legal description of this property. If we can be of any help please call my office at 312-742-1040 extension 2077.

CA/ro

Encl.

cc: John Hathaway

RECEIVED

MAR 16 1999

IEPA/BOL

RECEIVED
CONTRACT MGMT. SECTION

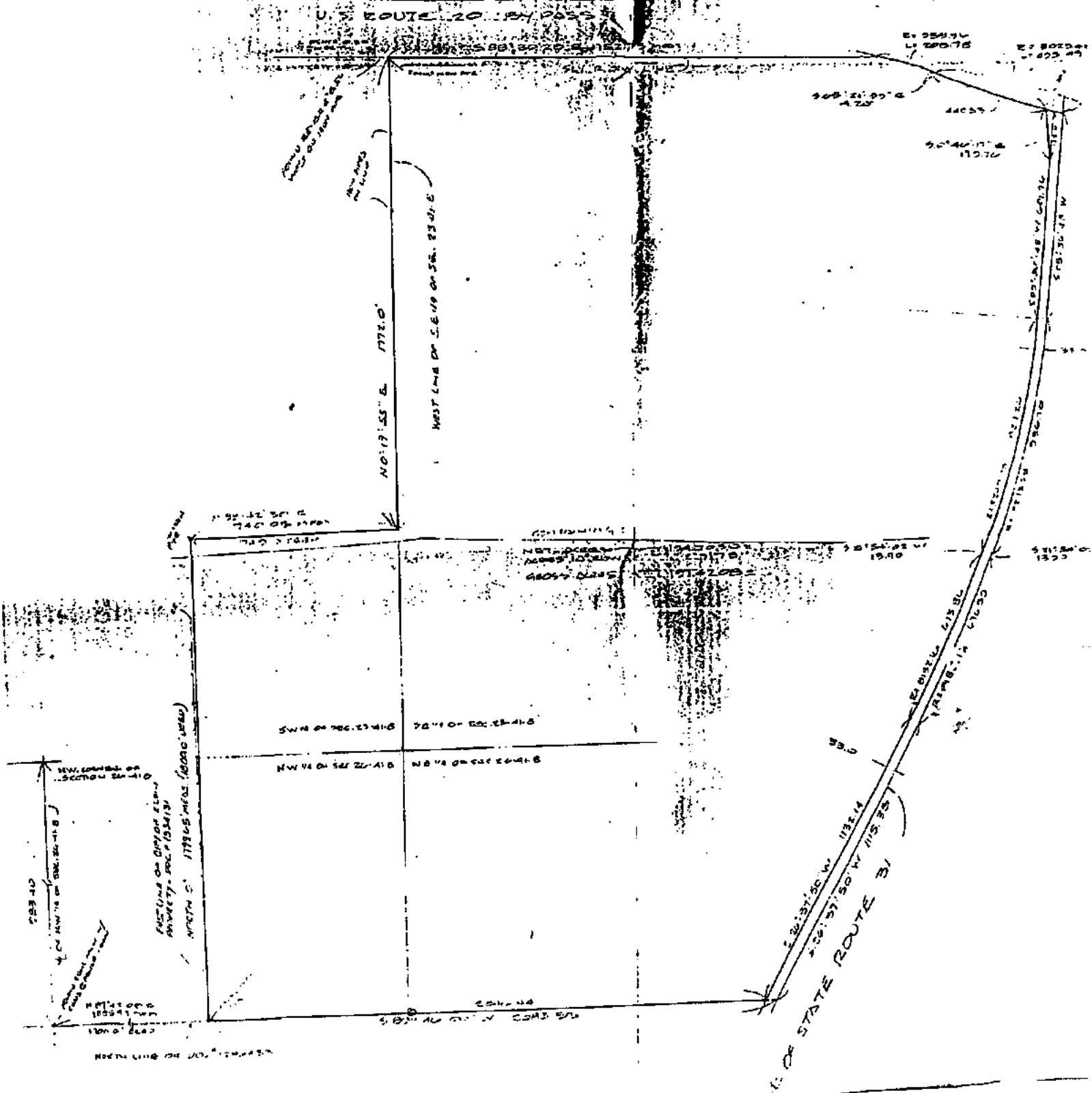
OCT 10 1989

DEPARTMENT OF MENTAL HEALTH

Alan J. Coulson, P.C. REGISTERED LAND SURVEYORS PLAT OF SURVEY

OF PROPERTY DESCRIBED AS:

That part of the South Half of Section 21 and part of the North Half of Section 22, Township 41 North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the Northwest corner of said Section 21; thence South along the East line of said Northwest quarter 363.4 feet to the North line of property conveyed to Araks Company by warranty deed recorded January 4, 1974 as Document No. 126011; thence Easterly along the Northerly line of said property 1906.78 feet to a line drawn parallel with and 740 feet westerly of the East line of said Northwest quarter of Section 21 for the point of Beginning; thence North along said parallel line and said line extended, being also along the East line of property conveyed to the City of Elgin by Test Claim Deed recorded January 22, 1980 as Document No. 153471, 1960 feet to an angle on said East line; thence Easterly along said property line beginning parallel to the South line of the Southwest quarter of Section 21, 740 feet to the East line of said Southwest quarter of Section 21; thence Northerly along said East line of the Southwest quarter 1772 feet to the Southerly right of way line of U.S. Route 20 bypass; thence Easterly along said Southerly right of way line to the center line of Illinois State Route 21; thence Southerly along said center line to said North line extended Easterly of property conveyed to Araks Company; thence Westerly along said line said North line of property conveyed to Araks Company to the point of beginning, in the Township of Elgin, Kane County, Illinois.



CHICAGO TITLE INSURANCE COMPANY



113 SOUTH THIRD STREET, GENEVA, ILLINOIS 60134/(312) 232-2750

KANE COUNTY OFFICE

May 10, 1985

Elgin Mental Health Center
750 South State
Elgin, Il. 60120

Attn: Bob Zoller or Carl Aschenbrenner
Refer to Number 9178

RE: Order No. S-29801

From an examination of our indices we find the State of Illinois Department of Mental Health is Grantee in the last recorded conveyance on,

PARCEL ONE

That part of the South half of Section 22 and that part of the North half of Section 27, Township 41, North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the Southwest corner of said Section 22; thence East along the south line of said Section 1918.8 feet to the center line of McLean Boulevard; thence continuing East along said South line 474.7 feet for the point of beginning; thence Northerly at right angles to the last described line 300 feet to the Southerly line of property conveyed to the City of Elgin by Quit Claim Deed recorded January 22, 1980 as Document 1534131; thence Easterly along the Southerly line of said property 600 feet to an angle in said property line; thence Southerly along the Westerly line of said property conveyed to the City of Elgin to the intersection of a line drawn parallel with and 429 feet Southerly of, as measured at right angles thereto, the North line of said Section 27; thence Westerly along said parallel line to the East line and said East line extended Southerly to property conveyed to the Easter Seal Association for the Crippled, Inc. recorded October 26, 1967 as Document 1100737; thence Northerly along said extended line and said East line to the point of beginning; in the Township of Elgin, Kane County, Illinois.

*Includes
= 207 &*PARCEL TWO

That part of the South half of Section 23 and part of the North half of Section 26, Township 41, North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the Northwest corner of said Section 26; thence South along the West line of said Northwest quarter 983.4 feet to the North line of property conveyed to Aroks Company by Warranty Deed recorded January 4, 1974 as Document 1286433; thence Easterly along the Northerly line of said property 1900 feet to a line drawn parallel with and 740 feet Westerly of the East line of said Northwest quarter of Section 26 for the point of beginning; thence North along said parallel line and said line extended, being also along the East line of property conveyed to the City of Elgin by Quit Claim Deed recorded January 22, 1980 as Document 1534131, 1800 feet to an angle in said East line; thence Easterly along said property line beginning parallel to the South line of the Southwest quarter of Section 23, 740 feet to the East line of said Southwest quarter of Section 23; thence Northerly along said East line of the Southwest quarter 1772 feet to the Southerly right of way line of US Route 20 bypass; thence Easterly along said Southerly right of way line to the Westerly Bank of Fox River; thence Southerly along said Westerly bank to the Northerly line property conveyed to the Forest Preserve District of Kane County by Quit Claim Deed recorded September 25, 1981 as Document 1589059; thence Westerly along said Northerly line and the Northerly line of property conveyed to the Association for Individual Development by Quit Claim Deed recorded October 21, 1981 as Document 1591075 to the center line of Illinois State Route 31; thence Southerly along said center line to said North line extended Easterly of property conveyed to Aroks Company; thence Westerly along said line said North line of property conveyed to Aroks Company to the point of beginning, in the Township of Elgin, Kane County, Illinois.

See Map attached.

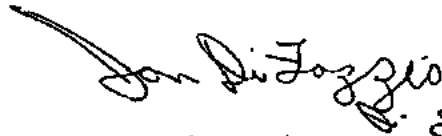
As this service is given for a nominal charge, this company has made no examination except of its indices and does not guarantee the validity of the title of said Grantee (s) nor the result of any recorded documents, nor specify what liens other than those shown above, or other matter, including but not limited to easements or court proceedings, the land is subject to.

This search is based on the legal description shown herein and no liability is assumed for the accuracy of the determination that the street address, if given, and the legal description searched constitute the same premises.

The liability of the Chicago Title Insurance Company is limited to actual damages sustained as a result of the inaccuracy of the foregoing assurances but liability shall not exceed \$30,000.00.

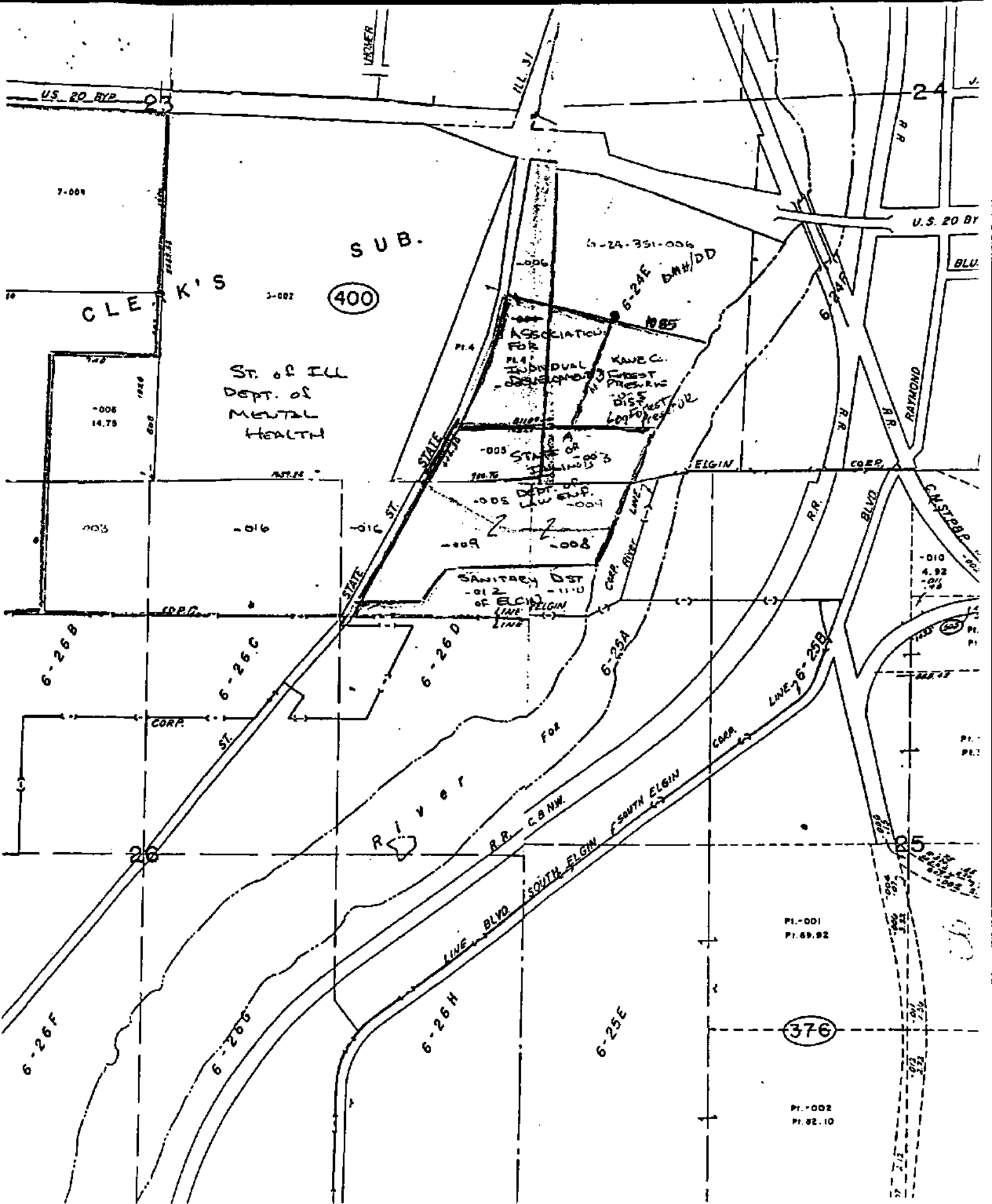
This is not a title insurance policy and should not be relied upon as such. For full protection, a title insurance policy should be secured.

CHICAGO TITLE INSURANCE COMPANY



Jon DiFazio
Tract Book Department

JD/bc
5-22-85



SUB.

(400)

ST. OF ILL
DEPT. OF
MENTAL
HEALTH

ASSOCIATION
FOR
THE
INDIVIDUAL
KAWEC.
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SANITARY DIST
OF ELGIN
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LINE

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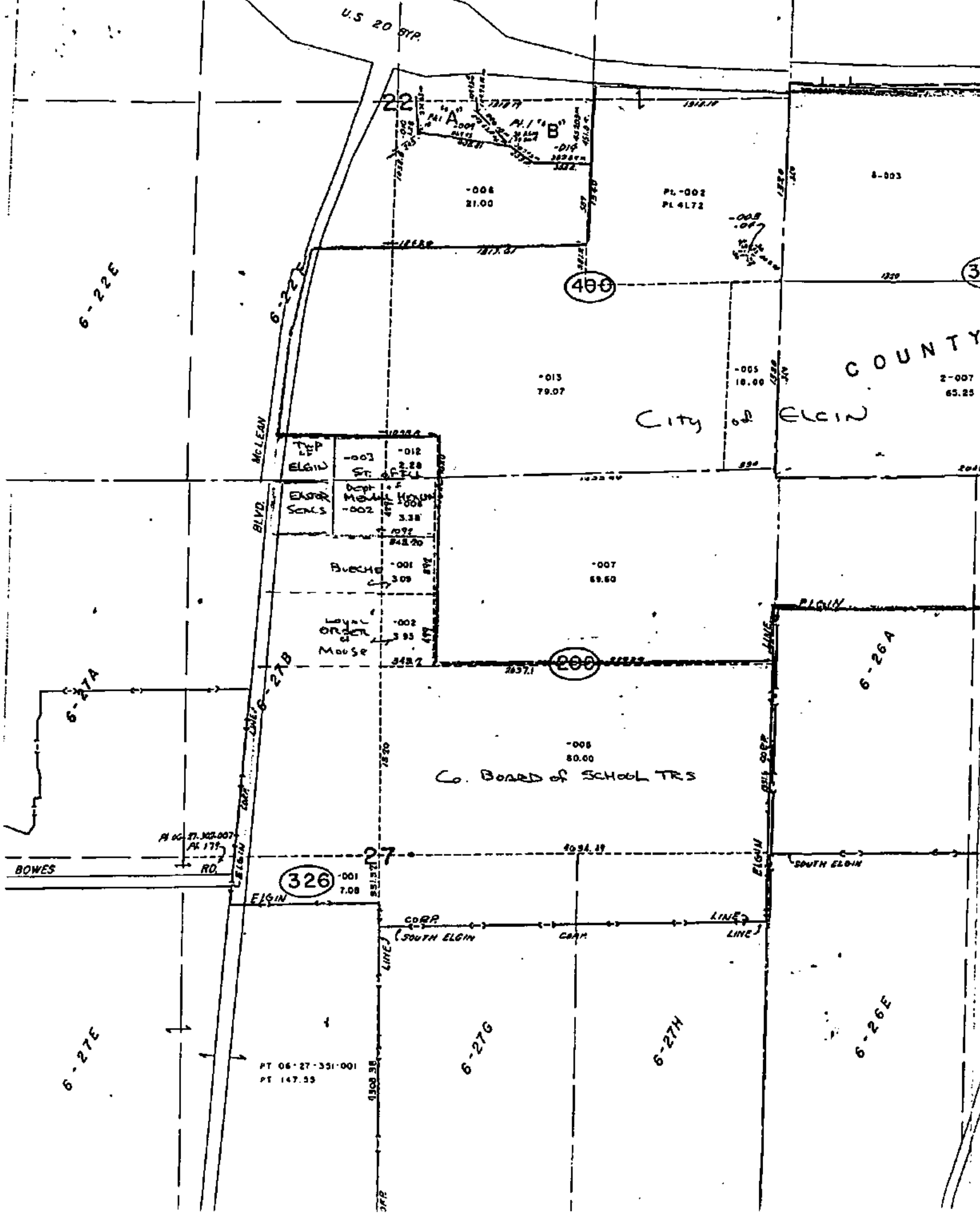
SOUTH ELGIN
R.R. C.B.N.W.

LINE BLVD

PL-001
PI. 89.92

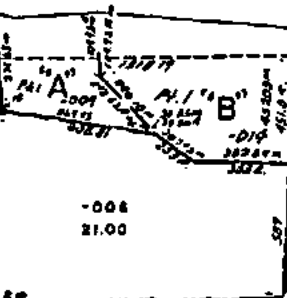
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PL-002
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U.S. 20 BYP.

22



-004
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PL-002
PL 4172

8-003

6-22E

6-22E

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-013
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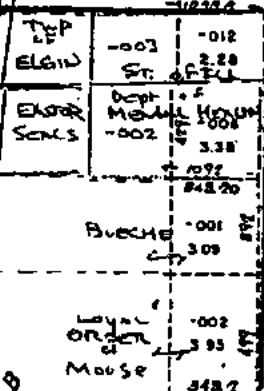
-005
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COUNTY

City of ELGIN

2-007
65.25

McLEAN BLVD.



-003
2.28

-002
3.38

-001
3.08

-002
3.93

-007
69.60

6-27A

6-27B

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6-26A

C. BOARD of SCHOOL TRS

PL 66-27-302-007
PK 175

BOWES RD.

326

-001
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SOUTH ELGIN

6-27E

6-27G

6-27H

6-26E

PT 06-27-351-001
PT 147.33

1589059

1981 SEP 25 AM 11:45

330702

QUITCLAIM DEED

Edmund J. J...
 RECORDER OF DEEDS

THE STATE OF ILLINOIS, by the Department of Mental Health and Developmental Disabilities, pursuant to Public Act No. 81-910, Sections 2-1, 2-2, 2-3, 2-4, 2-5 and 2-6 of H.B. No. 458 of the 81st General Assembly, approved September 22, 1979, CONVEYS and QUITCLAIMS to the Forest Preserve District of Kane County, for the purchase price of Forty Three Thousand Three Hundred Sixty-Seven Dollars and Fifty Cents (\$43,367.50), all right, title and interest subject to the conditions and stipulations enumerated and attached hereto, in and to the following described Real Estate situated in the County of Kane, State of Illinois, to-wit:

That part of the Southeast quarter of Section 23 and part of the Southwest quarter of Section 24, all in Township 41 North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the point of intersection of the center line of State Route 31 with the North line of the Northeast quarter of Section 26, Township and Range aforesaid; thence Easterly along a line which forms an angle of $105^{\circ} 56'$ (measured Southwesterly to Easterly from the center line tangent of said State Route 31), 33.90 feet to the most Northerly corner of the lands of the Department of Public Safety, as described in Instrument dated March 10, 1961, made with the Department of Public Welfare, said corner being on the Easterly right of way line of the said State Route 31; thence Northeasterly, along the Easterly right of way line of State Route 31, on a curve to the left having a radius of 8218.16 feet and whose long chord forms an angle $75^{\circ} 17'$ to the left with a prolongation of the last described course, for a long chord distance of 446.36 feet (arc distance of 446.41 feet) to a point, said point being 33.0 feet radially distant Southeasterly of the center line

curve of said State Route 31; thence Easterly, along a line which forms an angle of 68° 37' 50" to the right with the prolongation of the said long chord (this course hereinafter referred to as Line "A"), 811.09 feet for the point of beginning; thence Northerly, along a line which forms an angle of 85° 51' 54" to the left with a prolongation of the last described course a distance of 1113.89 feet; thence Southeasterly at an angle of 87°48' 16" to the right with a prolongation of the last described course, a distance of 1085 feet more or less to the Westerly bank of the Fox River; thence Southerly along the Westerly bank of the Fox River to Line "A", as aforesaid, extended Easterly; thence Westerly, along said Line "A", extended Easterly, a distance of 609 feet more or less the point of beginning, in the City of Elgin, Kane County, Illinois. Containing 20.9 Acres more or less.

CONDITIONS AND STIPULATIONS

1. Payment for the previously described Real Estate has previously been made in one (1) lump sum payment of Forty Three Thousand Three Hundred Sixty-Seven Dollars and Fifty Cents (\$43,367.50).

2. The Forest Preserve District of Kane County by acceptance of this Quitclaim Deed to the property described above, shall hold and save the State of Illinois harmless from any and all claims of whatever nature which may arise from or result out of or as a consequence of the transfer of the property herein described.

3. The neglect or failure of the Forest Preserve District of Kane County to use such lands so quitclaimed, transferred, and conveyed for public purposes shall give the right of entry for condition broken to the State of Illinois upon written demand made therefore on behalf of the State of Illinois by the Director of Mental Health and Developmental

Disabilities, or his or her successor and upon return of the purchase price

This conveyance is made pursuant to Public Act 81-910, Sections 2-1, 2-2, 2-3, 2-4, 2-5 and 2-6 of H.B. No. 458 of the 81st General Assembly, approved September 22, 1979.

Dated this 18th day of September, A.D., 1981.

STATE OF ILLINOIS
DEPARTMENT OF MENTAL HEALTH AND
DEVELOPMENTAL DISABILITIES

By: Ivan Pavkovic MO
Ivan Pavkovic, M.D.
Director

STATE OF ILLINOIS)
) SS.
COUNTY OF C O O K)

I, the undersigned, a Notary Public in and for the County of Cook and State aforesaid, do hereby certify that Ivan Pavkovic, M.D., personally known to me to be the Director of the Department of Mental Health and Developmental Disabilities, an instrumentality of the State of Illinois, and personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that as such Director of the said Department of Mental Health and Developmental Disabilities, he signed and delivered the said instrument as Director of said Department pursuant to Public Act 81-910, approved September 22, 1979, as his free and voluntary act as Director of the Department of Mental Health and Developmental Disabilities and as the free and voluntary act of the State of Illinois for the uses and purposes therein set forth.

Given under my hand and official seal this 18th day of September, A.D., 1981.

John J. Posch
John J. Posch
Notary Public

Exempt from Real Estate Transfer Tax Act
Paragraph 4(b)

Date: September 18, 1981. By: John J. Posch
John J. Posch
Attorney for DMHDD

Prepared by:

John J. Posch, Esq.
Department of Mental Health and
Developmental Disabilities
160 N. LaSalle Street
Room 1500
Chicago, IL 60601
312/793-2752

Exempt under provisions of Paragraph
C Section 4, Real Estate
Transfer Act.

John J. Posch
a. Stephen Sullivan
Grantor
307 S. Arden St.
Chicago, Ill.
Foreman
- Law Practice

1591075

1981 OCT 21 AM 10:15

QUITCLAIM DEED

THE STATE OF ILLINOIS, by the Department of Mental Health and Developmental Disabilities, pursuant to Public Act No. 81-910, Sections 1-1, 1-2, 1-3, 1-4, 1-5 and 1-6 of H.B. No. 458 of the 81st General Assembly, approved September 22, 1979, CONVEYS and QUITCLAIMS to the Association for Individual Development, an Illinois not-for-profit corporation, for the purchase price of Forty Three Thousand Six Hundred Dollars (\$43,600.00), all right, title and interest subject to the conditions and stipulations enumerated and attached hereto, in and to the following described Real Estate situated in the County of Kane, State of Illinois, to-wit:

That part of the Southeast Quarter of Section 23 and part of the Southwest Quarter of Section 24, all in Township 41 North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the intersection of the Easterly right of way line of State Route 31 and the South line of the North 983.4 feet of Section 26, Township and Range aforesaid; thence Northerly along said right of way line 725.00 feet; thence Southeasterly at right angle to said right of way line 285.0 feet; thence Northeasterly at right angle to the last described course 373.00 feet to the Northerly line of property previously conveyed to the Department of Public Safety; thence Northwesterly at right angle to the last described course, along said Northerly line 285.00 feet to the Easterly right of way line of State Route 31; thence Northeasterly along said right of way line on the arc of a tangent curve to the left having a radius of 8,218.16 feet, 446.41 feet for the place of beginning; thence continuing Northeasterly

1591075

OCT 31 1981

along the last described curve, 232.91 feet; thence Northeasterly along said right of way line, tangent to the last described curve, 13.9 feet; thence Northerly along said right of way line of the arc of a tangent curve to the left having a radius of 3,307.17 feet through a central angle of 15 degrees 53 minutes 16 seconds 917.07 feet to the Southerly line of property previously conveyed to the Department of Public Works; thence Southeasterly along said Southerly line at an angle of 98 degrees 18 minutes 22 seconds measured counter-clockwise from the chord formed by the last described curve; 649.02 feet; thence Southerly along a line which forms an angle of 92 degrees 11 minutes 44 seconds to the right with the prolongation of the last described course, a distance of 1113.89 feet; thence Westerly along a line which forms an angle of 85 degrees 51 minutes 54 seconds to the right with the prolongation of the last described course, a distance of 811.09 feet to the place of beginning (excepting therefrom the Westerly 44.0 feet thereof as measured perpendicular and radial to the said-Easterly right of way line of State Route 31). Being situated in the City of Elgin, Kane County, Illinois and containing 18.000 Acres more or less.

CONDITIONS AND STIPULATIONS

1. Payment for the previously described Real Estate has previously been made in one (1) lump sum payment of Forty Three Thousand Six Hundred Dollars—(\$43,600.00).
2. The Association for Individual Development, by acceptance of this Quitclaim Deed to the property described above, shall hold and save the State of Illinois harmless from any and all claims of whatever nature which may arise

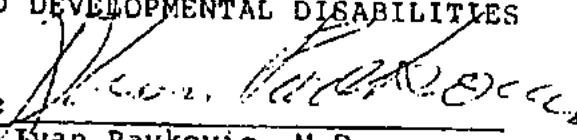
from or result out of or as a consequence of the transfer of the property herein described.

3. The neglect or failure of the Association for Individual Development to use such lands so quitclaimed, transferred, and conveyed for purposes not in the Association's By-Laws on September 22, 1979 shall give the right of entry for condition broken to the State of Illinois upon written demand made therefore on behalf of the State of Illinois by the Director of Mental Health and Developmental Disabilities, or his or her successor and upon return of the purchase price.

This conveyance is made pursuant to Public Act 81-910, Sections 1-1, 1-2, 1-3, 1-4, 1-5 and 1-6 of H.B. No. 458 of the 81st General Assembly, approved September 22, 1979.

Dated this 20th of January, A.D., 1981.

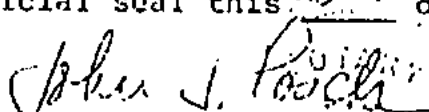
STATE OF ILLINOIS
DEPARTMENT OF MENTAL HEALTH
AND DEVELOPMENTAL DISABILITIES

By: 
Ivan Pavkovic, M.D.
Director

STATE OF ILLINOIS)
) SS.
COUNTY OF C O O K)

I, the undersigned, a Notary Public in and for the County of Cook and State aforesaid, do hereby certify that Ivan Pavkovic, M.D., personally known to me to be the Director of the Department of Mental Health and Developmental Disabilities, an instrumentality of the State of Illinois, and personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that as such Director of the said Department of Mental Health and Developmental Disabilities, he signed and delivered the said instrument as Director of said Department pursuant to Public Act 81-910, approved September 22, 1979, as his free and voluntary act as Director of the Department of Mental Health and Developmental Disabilities and as the free and voluntary act of the State of Illinois for the uses and purposes therein set forth.

Given under my hand and official seal this 20th day of January, 1981.


John J. Posch
Notary Public

ILLINOIS
PUBLIC



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

21 NORTH GRAND AVENUE, EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

THOMAS A. SKINNER, DIRECTOR

217/782-6762

MAR 22 1999

CERTIFIED MAIL

1344338533

Department of Human Services
Attn: Ben Grisham
100 North Ninth Street, Room 104
Springfield, Illinois 62765

Re: LPC #0894385115 -- Kane County
Elgin/Elgin Mental Health Department of Human Services
750 South State
LUST Incident No. 981344
LUST Technical File

Dear Mr. Grisham:

The Illinois Environmental Protection Illinois EPA ("Illinois EPA") has reviewed the Corrective Action Completion Report submitted for the above-referenced incident. This information was dated November 20, 1998; was received by the Illinois EPA November 23, 1998; and was prepared by Patrick Engineering.

The Corrective Action Completion Report and the Professional Engineer Certification submitted pursuant to 35 Illinois Administrative Code ("IAC") Section 732.300(b)(1) and Section 732.409(b) indicate that the remediation objectives set forth in 35 IAC Section 732.408 have been met.

Based upon the certification by Jeffery Schuh, a Registered Professional Engineer of Illinois, and pursuant to Section 57.10 of the Environment Protection Act ("Act") (415 ILCS 5/57.10), your request for a no further remediation determination is granted under the conditions and terms specified in this letter.

Issuance of this No Further Remediation Letter ("Letter"), based on the certification of the Registered Professional Engineer, signifies that: (1) all statutory and regulatory corrective action requirements applicable to the occurrence have been complied with; (2) all corrective action concerning the occurrence has been completed; and (3) no further remediation concerning the occurrence is necessary for the protection of human health, safety and the environment. Pursuant to Section 57.10(d) of the Act, this Letter shall apply in favor of the following persons:

SCREENED
MM

1. Ben Grisham;
2. The owner and operator of the UST(s);
3. Any parent corporation or subsidiary of the owner or operator of the UST(s);
4. Any co-owner or co-operator, either by joint-tenancy, right of survivorship, or any other party sharing a legal relationship with the owner or operator to whom the letter is issued;
5. Any holder of a beneficial interest of a land trust or inter vivos trust, whether revocable or irrevocable;
6. Any mortgagee or trustee of a deed of trust of the owner of the site or any assignee, transferee, or any successor-in-interest of the owner of the site;
7. Any successor-in-interest of such owner or operator;
8. Any transferee of such owner or operator whether the transfer was by sale, bankruptcy proceeding, partition, dissolution of marriage, settlement or adjudication of any civil action, charitable gift, or bequest; or
9. Any heir or devisee of such owner or operator.

This Letter, including all attachments, must be filed within 45 days of its receipt as a single instrument with the Office of the Recorder or Registrar of Titles in the County where the above-referenced site is located. This Letter shall not be effective until officially recorded by the Office of the Recorder or Registrar of Titles of the applicable County in accordance with Illinois law so that it forms a permanent part of the chain of title for the above-referenced property. Within 30 days of this Letter being recorded by the Office of the Recorder or Registrar of Titles of the applicable county, a certified copy of this Letter, as recorded, shall be obtained and submitted to the Illinois EPA. For recording purposes, it is recommended that the Leaking Underground Storage Tank Environmental Notice attached to this Letter be the first page of the instrument filed.

CONDITIONS AND TERMS OF APPROVAL

LEVEL OF REMEDIATION AND LAND USE LIMITATIONS

1. The remediation objectives for the above-referenced site described in the Leaking Underground Storage Tank Environmental Notice of this Letter were established in accordance with the requirements of the Tiered Approach to Corrective Action Objectives (TACO, 35 IAC Part 742) rules.

2. As a result of the release from the underground storage tank(s) associated with the above-referenced incident, the site described in the attached Leaking Underground Storage Tank Environmental Notice of this Letter shall not be used in a manner inconsistent with the following land use limitation: There are no land use limitations.
3. The land use limitation specified in this Letter may be revised if:
 - a) Further investigation or remedial action has been conducted that documents the attainment of objectives appropriate for the new land use; and
 - b) A new Letter is obtained and recorded in accordance with Title XVII of the Act and regulations adopted thereunder.

PREVENTIVE, ENGINEERING, AND INSTITUTIONAL CONTROLS

4. Preventive: None.

Engineering: None.

Institutional: This Letter shall be recorded as a permanent part of the chain of title for the site described in the attached Leaking Underground Storage Tank Environmental Notice.
5. Failure to establish, operate, and maintain controls in full compliance with the Act, applicable regulations, and the approved corrective action plan may result in voidance of this Letter.

OTHER TERMS

6. Any contaminated soil or groundwater that is removed, excavated, or disturbed from the above-referenced site must be handled in accordance with all applicable laws and regulations.
7. Further information regarding this site can be obtained through a written request under the Freedom of Information Act (5 ILCS 140) to:

Illinois Environmental Protection Agency
Attention: Freedom of Information Act Officer
Bureau of Land - #24
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

8. Pursuant to Section 57.10(e) of the Act (415 ILCS 5/57.10(e)), should the Illinois EPA seek to void this Letter, the Illinois EPA shall provide notice to the current title holder and to the owner or operator at the last known address. The notice shall specify the cause for the voidance, explain the provisions for appeal, and describe the facts in support of this cause. Specific acts or omissions that may result in the voidance of this Letter include, but shall not be limited to:
- a) Any violation of institutional controls or industrial/commercial land use restrictions;
 - b) The failure to operate and maintain preventive or engineering controls or to comply with any applicable groundwater monitoring plan;
 - c) The disturbance or removal of contamination that has been left in-place in accordance with the Corrective Action Plan or Completion Report;
 - d) The failure to comply with the recording requirements for the Letter;
 - e) Obtaining the Letter by fraud or misrepresentation; or
 - f) Subsequent discovery of contaminants, not identified as part of the investigative or remedial activities upon which the issuance of the Letter was based, that pose a threat to human health or the environment.

Within 35 days after the date of mailing of this final decision, the owner or operator may petition for a hearing before the Illinois Pollution Control Board ("Board") to contest the decision of the Illinois EPA. (For information regarding the filing of an appeal, please contact the Board at 312/814-3620.) However, the 35-day period for petitioning for a hearing may be extended for a period of time not to exceed 90 days by written notice provided to the Board from the owner or operator and the Illinois EPA within the 35-day initial appeal period. (For information regarding the filing of an extension, please contact the Illinois EPA's Division of Legal Counsel at 217/782-5544.)

Submit the certified copy of this letter, as recorded, to:

Illinois Environmental Protection Agency
Bureau of Land - #24
LUST Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

If you have any questions or need further assistance, please contact the Illinois EPA project manager, Dawn Ingold, at 217/785-8378.

Sincerely,



Hernando A. Albarracin

Unit Manager
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

bcc: Hernando Albarracin
Division File
Dawn Ingold

HAA:DI

Attachments: Leaking Underground Storage Tank Environmental Notice

cc: Connie Sirota, Patrick Engineering, Inc.

PREPARED BY:

Name: Ben Grisham
Department of Human Services

Address: Elgin Mental Health Center
750 South State Street.
Elgin, Illinois. 60123

RETURN TO:

Name: Ben Grisham
Department of Human Services

Address: 100 North Ninth Street, Room 104
Springfield, Illinois 62765

THE ABOVE SPACE FOR RECORDER'S OFFICE

THIS ENVIRONMENTAL NO FURTHER REMEDIATION LETTER MUST BE SUBMITTED BY THE OWNER/OPERATOR, WITHIN 45 DAYS OF ITS RECEIPT, TO THE RECORDER OF DEEDS OF KANE COUNTY IN WHICH THE SITE (AS DESCRIBED BELOW) IS LOCATED.

Illinois EPA Number: # 0894385115

LUST Incident No.: 981344

Ben Grisham, Department of Human Services, the owner and operator, whose address is 100 North Ninth Street, Room 104, Springfield, Illinois, has performed investigative and/or remedial activities for the site that can be identified by the following and depicted on the attached Site Base Map:

1. Legal description or Reference to a Plat Showing the Boundaries: See attached legal description.
2. Common Address: 750 South State, Elgin, Illinois
3. Real Estate Tax Index/Parcel Index Number: 0623400002
4. Site Owner: Department of Human Services
5. Land Use Limitation: There are no land use limitations.
6. See the attached No Further Remediation Letter for other terms.

CHICAGO TITLE INSURANCE COMPANY

113 SOUTH THIRD STREET, GENEVA, ILLINOIS 60134/1312) 232-2750

KANE COUNTY OFFICE

May 10, 1985

Elgin Mental Health Center
750 South State
Elgin, Il. 60120

Attn: Bob Zoller or Carl Aschenbrenner
Refer to Number 9178

RE: Order No. S-29801

From an examination of our indices we find the State of Illinois Department of Mental Health is Grantee in the last recorded conveyance on,

PARCEL ONE

That part of the South half of Section 22 and that part of the North half of Section 27, Township 41, North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the Southwest corner of said Section 22; thence East along the south line of said Section 1918.8 feet to the center line of McLean Boulevard; thence continuing East along said South line 474.7 feet for the point of beginning; thence Northerly at right angles to the last described line 300 feet to the Southerly line of property conveyed to the City of Elgin by Quit Claim Deed recorded January 22, 1980 as Document 1534131; thence Easterly along the Southerly line of said property 600 feet to an angle in said property line; thence Southerly along the Westerly line of said property conveyed to the City of Elgin to the intersection of a line drawn parallel with and 429 feet Southerly of, as measured at right angles thereto; the North line of said Section 27; thence Westerly along said parallel line to the East line and said East line extended Southerly to property conveyed to the Easter Seal Association for the Crippled, Inc, recorded October 26, 1967 as Document 1100737; thence Northerly along said extended line and said East line to the point of beginning; in the Township of Elgin, Kane County, Illinois.

Page 2

S-29801

*Includes
= 207*PARCEL TWO

That part of the South half of Section 23 and part of the North half of Section 26, Township 41, North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the Northwest corner of said Section 26; thence South along the West line of said Northwest quarter 983.4 feet to the North line of property conveyed to Aroks Company by Warranty Deed recorded January 4, 1974 as Document 1286433; thence Easterly along the Northerly line of said property 1900 feet to a line drawn parallel with and 740 feet Westerly of the East line of said Northwest quarter of Section 26 for the point of beginning; thence North along said parallel line and said line extended, being also along the East line of property conveyed to the City of Elgin by Quit Claim Deed recorded January 22, 1980 as Document 1534131, 1800 feet to an angle in said East line; thence Easterly along said property line beginning parallel to the South line of the Southwest quarter of Section 23, 740 feet to the East line of said Southwest quarter of Section 23; thence Northerly along said East line of the Southwest quarter 1772 feet to the Southerly right of way line of US Route 20 bypass; thence Easterly along said Southerly right of way line to the Westerly Bank of Fox River; thence Southerly along said Westerly bank to the Northerly line property conveyed to the Forest Preserve District of Kane County by Quit Claim Deed recorded September 25, 1981 as Document 1589059; thence Westerly along said Northerly line and the Northerly line of property conveyed to the Association for Individual Development by Quit Claim Deed recorded October 21, 1981 as Document 1591075 to the center line of Illinois State Route 31; thence Southerly along said center line to said North line extended Easterly of property conveyed to Aroks Company; thence Westerly along said line said North line of property conveyed to Aroks Company to the point of beginning, in the Township of Elgin, Kane County, Illinois.

See Map attached.

As this service is given for a nominal charge, this company has made no examination except of its indices and does not guarantee the validity of the title of said Grantee (s) nor the result of any recorded documents, nor specify what liens other than those shown above, or other matter, including but not limited to easements or court proceedings, the land is subject to.

Page 3

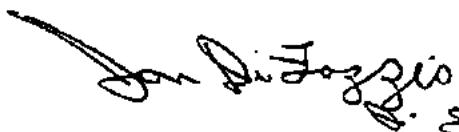
S-29801

This search is based on the legal description shown herein and no liability is assumed for the accuracy of the determination that the street address, if given, and the legal description searched constitute the same premises.

The liability of the Chicago Title Insurance Company is limited to actual damages sustained as a result of the inaccuracy of the foregoing assurances but liability shall not exceed \$30,000.00.

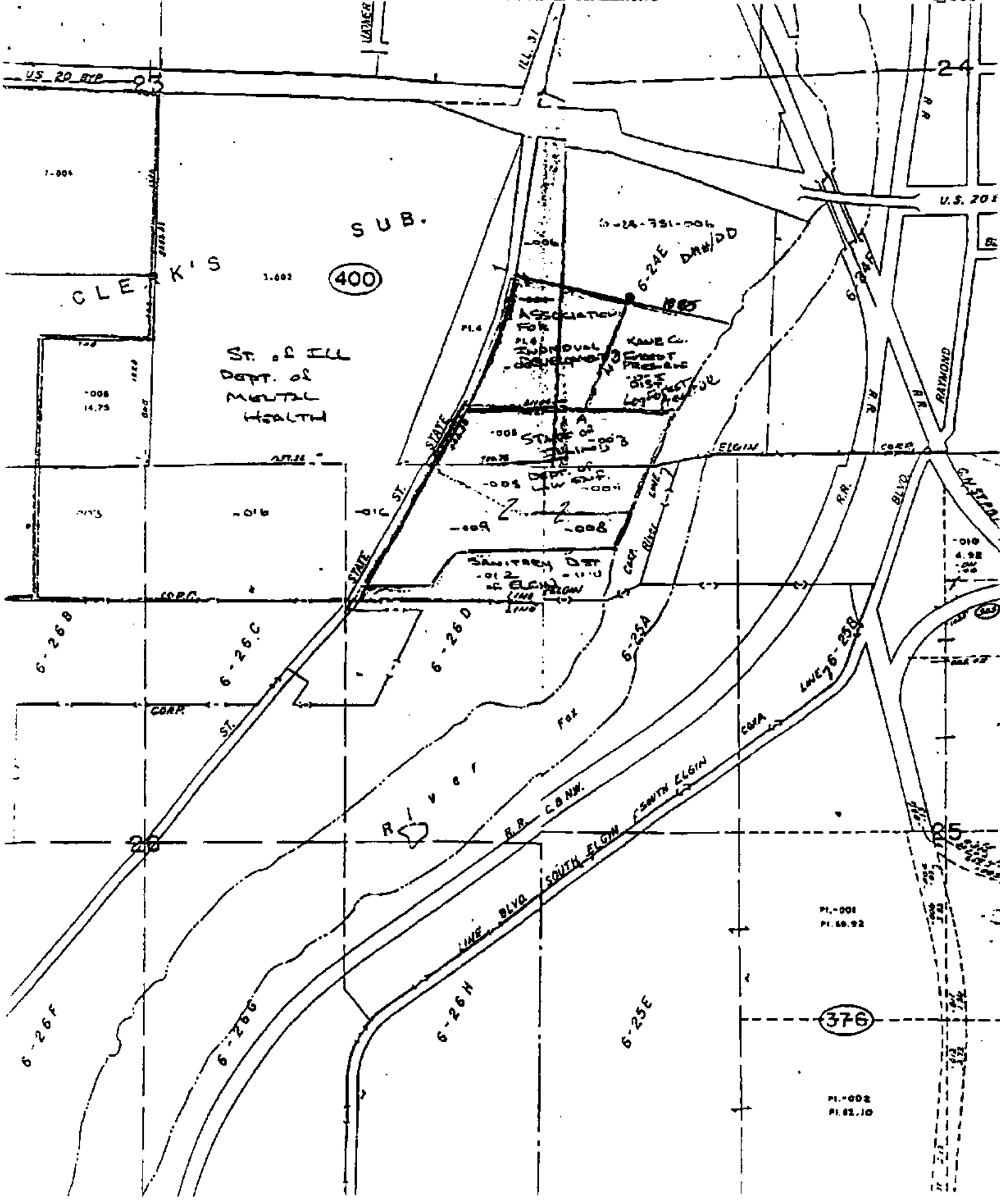
This is not a title insurance policy and should not be relied upon as such. For full protection, a title insurance policy should be secured.

CHICAGO TITLE INSURANCE COMPANY



Jon DiFazio
Tract Book Department

JD/bc
5-22-85





State of Illinois

ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director

2200 Churchill Road, Springfield, IL 62794-9276

RECORDING REQUIREMENTS FOR NO FURTHER REMEDIATION LETTERS

Introduction

The Illinois EPA's Bureau of Land (BOL) issues a No Further Remediation (NFR) Letter at the completion of site remediation activities under the LUST Program and the SRP. The NFR Letter signifies that 1) the person conducting remediation has satisfied the respective BOL rules and regulations, and 2) that no further remediation is necessary to protect human health and the environment for the property described in the letter, so long as the site is used in accordance with the terms of the NFR Letter.

Significance

When properly recorded, the NFR Letter holds legal significance for all applicable parties outlined in the Illinois Environmental Protection Act for the purposes mentioned in ILCS 5/57-10(d) and 58-10(d). However, if not properly recorded, the NFR Letter has no legal significance for anyone. Furthermore, if not properly recorded, the Illinois EPA will be required to void the NFR letter in accordance with the regulations governing the LUST program and the SRP if the remediation was performed.

Duty to Record

The duty to record the NFR Letter is *mandatory*. You *must* submit the letter to the Office of the Recorder or the Registrar of Deeds of the county where the site is located *within 45 days after receipt of the letter*. You *must* record both the cover letter and the NFR Letter. The letter *must* be recorded in accordance with Illinois law so that it forms a permanent part of the chain of title records pertaining to the interests of the property with respect to the conditions of the institution of control. A certified copy of the letter as recorded *must* be sent to the Illinois EPA. Failure to record the NFR Letter in accordance with the regulations will make the letter voidable.

For More Information

Please refer to Tiered Approach to Corrective Action Objectives (TACCO) Fact Sheet 2 available from the Illinois EPA by calling 1-888-799-9533 or contact the project manager whom you have been working with in the BOL.

P 344 338 533

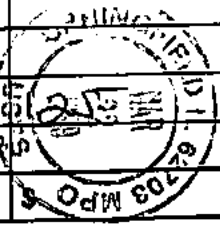
US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

PS Form 3800, April 1995

Sent to <i>Dept. of Human Services</i>	
Street & Number <i>100 N. 9th St. Room 104</i>	
Post Office, State, & ZIP Code <i>Springfield, IL 62765</i>	
Postage	\$
Certified Fee	<i>1.40</i>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	
Postmark or Date	

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

981344

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Department of Human Services
Attn: Ben Gristam
100 N. Ninth St. Room 104
Springfield, IL 62765

4a. Article Number
P344338533

4b. Service Type

<input type="checkbox"/> Registered	<input checked="" type="checkbox"/> Certified
<input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured
<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> COD

7. Date of Delivery
117 73

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X [Signature]

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

Illinois Environmental Protection Agency

P.O. Box 19276 Mail Code #

Springfield, IL 62794-9276





Transportation
Infrastructure
Environmental
Planning
Architecture
Design/Build
Surveying

March 22, 1999

Mr. Hernando Albarracin
Illinois Environmental Protection Agency
Bureau of Land -- #24
1021 N. Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

RE: LPC #0894385115 - Kane County
Elgin/Elgin Mental Health Department of Human Services
750 South State, Elgin, IL
LUST Incident No. 981344
LOST/Tech File

RECEIVED
MAR 26 1999
IEPA/BOE

Dear Mr. Albarracin:

This letter is being sent as an addendum to the previous submittals for the 550-gallon diesel leaking underground storage tank located at the above-mentioned facility. As you requested, enclosed please find the legal description for the site to accompany the Ownership Declaration Form.

We request that upon review of this letter and the previously submitted 45-Day report, that a No Further Remediation Letter be issued for LUST Incident No. 981344. Please call me if there is anything else I can get for you.

If you have any questions or need further information, feel free to call me.

Sincerely,

PATRICK ENGINEERING INC.

Connie M. Sirota
Project Manager

Attachments: Site Legal Description

cc: file
H:\geo\774\00\59\99\Letter\0322iepa closure.doc

SCREENED
M M

CHICAGO TITLE INSURANCE COMPANY



113 SOUTH THIRD STREET, GENEVA, ILLINOIS 60134/(312) 232-2750

KANE COUNTY OFFICE

May 10, 1985

Elgin Mental Health Center
750 South State
Elgin, Il. 60120

Attn: Bob Zoller or Carl Aschenbrenner
Refer to Number 9178

RE: Order No. S-29801

From an examination of our indices we find the State of Illinois Department of Mental Health is Grantee in the last recorded conveyance on,

PARCEL ONE

That part of the South half of Section 22 and that part of the North half of Section 27, Township 41, North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the Southwest corner of said Section 22; thence East along the south line of said Section 1918.8 feet to the center line of McLean Boulevard; thence continuing East along said South line 474.7 feet for the point of beginning; thence Northerly at right angles to the last described line 300 feet to the Southerly line of property conveyed to the City of Elgin by Quit Claim Deed recorded January 22, 1980 as Document 1534131; thence Easterly along the Southerly line of said property 600 feet to an angle in said property line; thence Southerly along the Westerly line of said property conveyed to the City of Elgin to the intersection of a line drawn parallel with and 429 feet Southerly of, as measured at right angles thereto; the North line of said Section 27; thence Westerly along said parallel line to the East line and said East line extended Southerly to property conveyed to the Easter Seal Association for the Crippled, Inc. recorded October 26, 1967 as Document 1100737; thence Northerly along said extended line and said East line to the point of beginning; in the Township of Elgin, Kane County, Illinois.

*Includes
2075*PARCEL TWO

That part of the South half of Section 23 and part of the North half of Section 26, Township 41, North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the Northwest corner of said Section 26; thence South along the West line of said Northwest quarter 983.4 feet to the North line of property conveyed to Aroks Company by Warranty Deed recorded January 4, 1974 as Document 1286433; thence Easterly along the Northerly line of said property 1900 feet to a line drawn parallel with and 740 feet Westerly of the East line of said Northwest quarter of Section 26 for the point of beginning; thence North along said parallel line and said line extended, being also along the East line of property conveyed to the City of Elgin by Quit Claim Deed recorded January 22, 1980 as Document 1534131, 1800 feet to an angle in said East line; thence Easterly along said property line beginning parallel to the South line of the Southwest quarter of Section 23, 740 feet to the East line of said Southwest quarter of Section 23; thence Northerly along said East line of the Southwest quarter 1772 feet to the Southerly right of way line of US Route 20 bypass; thence Easterly along said Southerly right of way line to the Westerly Bank of Fox River; thence Southerly along said Westerly bank to the Northerly line property conveyed to the Forest Preserve District of Kane County by Quit Claim Deed recorded September 25, 1981 as Document 1589059; thence Westerly along said Northerly line and the Northerly line of property conveyed to the Association for Individual Development by Quit Claim Deed recorded October 21, 1981 as Document 1591075 to the center line of Illinois State Route 31; thence Southerly along said center line to said North line extended Easterly of property conveyed to Aroks Company; thence Westerly along said line said North line of property conveyed to Aroks Company to the point of beginning, in the Township of Elgin, Kane County, Illinois.

See Map attached.

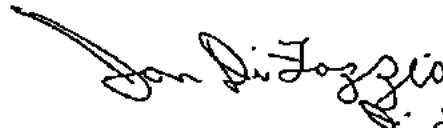
As this service is given for a nominal charge, this company has made no examination except of its indices and does not guarantee the validity of the title of said Grantee (s) nor the result of any recorded documents, nor specify what liens other than those shown above, or other matter, including but not limited to easements or court proceedings, the land is subject to.

This search is based on the legal description shown herein and no liability is assumed for the accuracy of the determination that the street address, if given, and the legal description searched constitute the same premises.

The liability of the Chicago Title Insurance Company is limited to actual damages sustained as a result of the inaccuracy of the foregoing assurances but liability shall not exceed \$30,000.00.

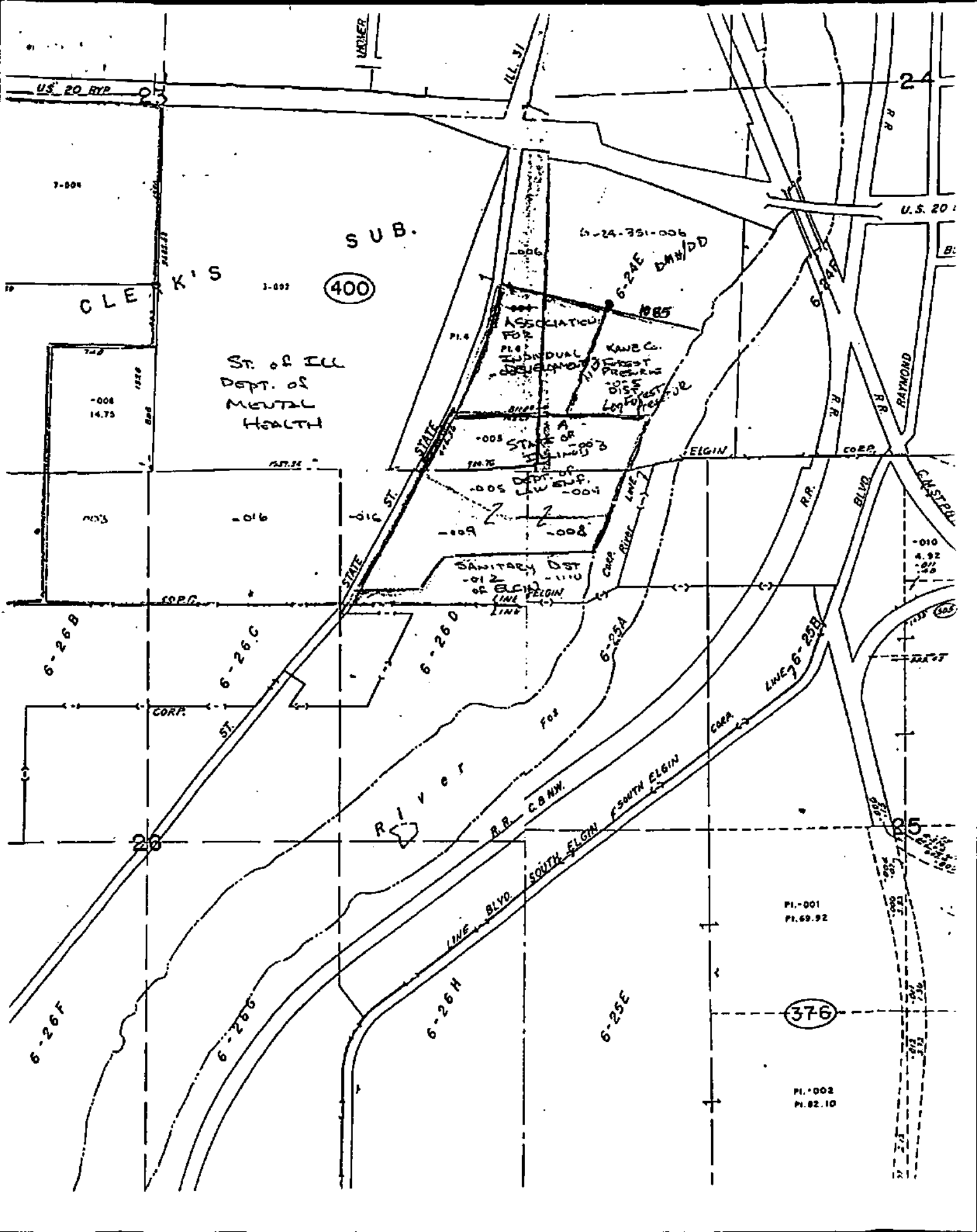
This is not a title insurance policy and should not be relied upon as such. For full protection, a title insurance policy should be secured.

CHICAGO TITLE INSURANCE COMPANY



Jon DiFazzio
Tract Book Department

JD/bc
5-22-85



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DEPT. OF
MENTAL
HEALTH

6-24-351-006

6-24E DMW/DD

ASSOCIATION
FOR
INDIVIDUAL
RIGHTS
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DISTRICT
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PI. 002
PI. 92.10

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RIVER

FOR

R.R. CO. NW.

SOUTH ELGIN

SOUTH ELGIN

LINE BLVD.

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

217/782-6762

THOMAS V. SKINNER, DIRECTOR

CERTIFIED MAIL

P344296425

June 25, 1999

Elgin Mental Health Dept. of Human Services
Bob Zoller
750 South State
Elgin, IL 60123

Re: LPC #0894385115--Kane County
Elgin/Elgin Mental Health Dept. Human Services
750 South State
LUST Incident No.981344
LUST Technical File

Dear Sir or Madam:

On 03/22/1999, the Illinois Environmental Protection Agency ("Illinois EPA") issued to you, as the owner or operator of record, a "No Further Remediation" letter ("Letter") for the above-referenced incident pursuant to Section 57.10 of the Environmental Protection Act ("Act")(415ILCS5/57.10) and 35 Illinois Administrative Code (35 Ill. Adm. Code) Part 732, Subpart G. Please be advised that (35 Ill. Adm. Code) Section 732.703(a) requires that an owner or operator receiving an NFR Letter submit the Letter to the Office of the Recorder or Registrar of Titles of the county in which the site is located within forty-five (45) days after receipt of the Letter. Otherwise, the Letter is not effective (35 Ill. Adm. Code Section 732.703 (b)) and carries no legal significance for any party.

Additionally, within thirty (30) days of the Letter being recorded by the Office of the Recorder or Registrar of Titles of the applicable county, a certified copy of the Letter, as recorded, must be submitted to the Illinois EPA. Failure to provide the Illinois EPA with a certified copy of the Letter, as recorded, constitutes an omission which will result in voidance of the Letter (35 Ill. Adm. Code Section 732.704(a)).

Our records indicate that, as of this date, the Illinois EPA has not received the certified copy of the 03/22/1999 NFR letter as recorded. Therefore, the Illinois EPA requests that you provide the certified copy of the Letter, as recorded, within thirty (30) days of the date of this letter to the following address:

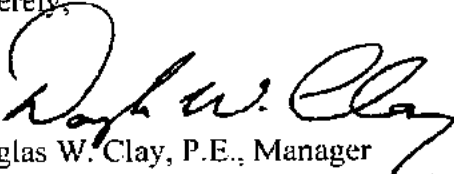
COPIED

Page 2

Illinois Environmental Protection Agency
Bureau of Land - #24
LUST Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

If the certified copy of the Letter, as recorded, is not received by this office by the date requested, the Illinois EPA will take action to void the Letter. If you have any questions or need further assistance, please contact Dawn Ingold at 217/785-8378.

Sincerely,

A handwritten signature in black ink, appearing to read "Douglas W. Clay". The signature is written in a cursive style with a large initial "D".

Douglas W. Clay, P.E., Manager
Leaking Underground Storage Tank Section
Division of Remedial Management
Bureau of Land


DCIMB P 344 296 425 #24

981344

US Postal Service
Receipt for Certified Mail

Services
 Bob Zoller
 750 South State
 Elgin, IL 60123

PS Form 3800, April 1995

Postage	\$
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

DCIMB #24

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete Items 1 and/or 2 for additional services.
- Complete Items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

981344

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Services
 Bob Zoller
 750 South State
 Elgin, IL 60123

4a. Article Number

P344296425

4b. Service Type

- Registered Certified
- Express Mail Insured
- Return Receipt for Merchandise COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X E.M.I.T.C. 6-28-99

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

SPRINGFIELD, IL PERM 17-31 05/28/92

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

Illinois Environmental Protection Agency

P.O. Box 19276 Mail Code #

Springfield, IL 62794-9276





Elgin Mental Health Center

750 South State Street
Elgin, Illinois 60123-7692

JCAHO Accredited with Commendation
1993-1996 and 1996-1999

J.W. Holcomb, MPA, Metro Suburban Network Manager

Nancy Staples, MS, Hospital Administrator

July 7, 1999

RECEIVED
JUL 09 1999
IEPA/BOL

Illinois Environmental Protection Agency
Bureau of Land - #24
LUST Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276
Attn: Dawn Ingold

RE: LPC #0894385115-Kane County
Elgin/Elgin Mental Health Dept. Human Services
750 South State
LUST Incident No. 981344
LUST Technical File

Dear Ms. Ingold:

Enclosed is a certified copy of the "No Further Remediation letter ("Letter") for the above-referenced incident per the request from your office in a letter dated June 25, 1999.

Very truly yours,

Carl Aschenbrenner
Fiscal Services Administrator

CA/sb

Enclosure

SCREENED
MM

1999 APR 13 AM 11:15

PREPARED BY:

1999K037299

Lynda M. Quinn
RECORDER

Name: Ben Grisham
Department of Human Services

Address: Elgin Mental Health Center
750 South State Street,
Elgin, Illinois, 60123

pd
21.00

RETURN TO:

Name: Ben Grisham
Department of Human Services

Address: 100 North Ninth Street, Room 104
Springfield, Illinois 62765

RECEIVED
JUL 09 1999
IEPA/BOL

THE ABOVE SPACE FOR RECORDER'S OFFICE

THIS ENVIRONMENTAL NO FURTHER REMEDIATION LETTER MUST BE SUBMITTED BY THE OWNER/OPERATOR, WITHIN 45 DAYS OF ITS RECEIPT, TO THE RECORDER OF DEEDS OF KANE COUNTY IN WHICH THE SITE (AS DESCRIBED BELOW) IS LOCATED.

Illinois EPA Number: # 0894385115
LUST Incident No.: 981344

Ben Grisham, Department of Human Services, the owner and operator, whose address is 100 North Ninth Street, Room 104, Springfield, Illinois, has performed investigative and/or remedial activities for the site that can be identified by the following and depicted on the attached Site Base Map:

1. Legal description or Reference to a Plat Showing the Boundaries: See attached legal description.
2. Common Address: 750 South State, Elgin, Illinois
3. Real Estate Tax Index/Parcel Index Number: 0623400002
4. Site Owner: Department of Human Services
5. Land Use Limitation: There are no land use limitations.
6. See the attached No Further Remediation Letter for other terms.

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Leaking Underground Storage Tank Environmental Notice

POOR ORIGINAL
Recorder Not Responsible
For Reproductions

1999 K037299

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21.00

CHICAGO TITLE INSURANCE COMPANY

113 SOUTH THIRD STREET, GENEVA, ILLINOIS 60134/(312) 232-2750



KANE COUNTY OFFICE

May 10, 1985

Elgin Mental Health Center
750 South State
Elgin, Il. 60120

Attn: Bob Zoller or Carl Aschenbrenner
Refer to Number 9178

RE: Order No. S-29801

From an examination of our indices we find the State of Illinois Department of Mental Health is Grantee in the last recorded conveyance on,

PARCEL ONE

That part of the South half of Section 22 and that part of the North half of Section 27, Township 41, North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the Southwest corner of said Section 22; thence East along the south line of said Section 1918.8 feet to the center line of McLean Boulevard; thence continuing East along said South line 474.7 feet for the point of beginning; thence Northerly at right angles to the last described line 300 feet to the Southerly line of property conveyed to the City of Elgin by Quit Claim Deed recorded January 22, 1980 as Document 1534131; thence Easterly along the Southerly line of said property 600 feet to an angle in said property line; thence Southerly along the Westerly line of said property conveyed to the City of Elgin to the intersection of a line drawn parallel with and 429 feet Southerly of, as measured at right angles thereto; the North line of said Section 27; thence Westerly along said parallel line to the East line and said East line extended Southerly to property conveyed to the Easter Seal Association for the Crippled, Inc. recorded October 26, 1967 as Document 1100737; thence Northerly along said extended line and said East line to the point of beginning; in the Township of Elgin, Kane County, Illinois.

1999 K037299

*Includes
= 2007*PARCEL TWO

That part of the South half of Section 23 and part of the North half of Section 26, Township 41, North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the Northwest corner of said Section 26; thence South along the West line of said Northwest quarter 983.4 feet to the North line of property conveyed to Aroks Company by Warranty Deed recorded January 4, 1974 as Document 1286433; thence Easterly along the Northerly line of said property 1900 feet to a line drawn parallel with and 740 feet Westerly of the East line of said Northwest quarter of Section 26 for the point of beginning; thence North along said parallel line and said line extended, being also along the East line of property conveyed to the City of Elgin by Quit Claim Deed recorded January 22, 1980 as Document 1534131, 1800 feet to an angle in said East line; thence Easterly along said property line beginning parallel to the South line of the Southwest quarter of Section 23, 740 feet to the East line of said Southwest quarter of Section 23; thence Northerly along said East line of the Southwest quarter 1772 feet to the Southerly right of way line of US Route 20 bypass; thence Easterly along said Southerly right of way line to the Westerly Bank of Fox River; thence Southerly along said Westerly bank to the Northerly line property conveyed to the Forest Preserve District of Kane County by Quit Claim Deed recorded September 25, 1981 as Document 1589059; thence Westerly along said Northerly line and the Northerly line of property conveyed to the Association for Individual Development by Quit Claim Deed recorded October 21, 1981 as Document 1591075 to the center line of Illinois State Route 31; thence Southerly along said center line to said North line extended Easterly of property conveyed to Aroks Company; thence Westerly along said line said North line of property conveyed to Aroks Company to the point of beginning, in the Township of Elgin, Kane County, Illinois.

See Map attached.

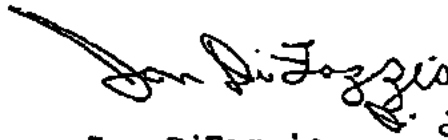
As this service is given for a nominal charge, this company has made no examination except of its indices and does not guarantee the validity of the title of said Grantee (s) nor the result of any recorded documents, nor specify what liens other than those shown above, or other matter, including but not limited to easements or court proceedings, the land is subject to.

This search is based on the legal description shown herein and no liability is assumed for the accuracy of the determination that the street address, if given, and the legal description searched constitute the same premises.

The liability of the Chicago Title Insurance Company is limited to actual damages sustained as a result of the inaccuracy of the foregoing assurances but liability shall not exceed \$30,000.00.

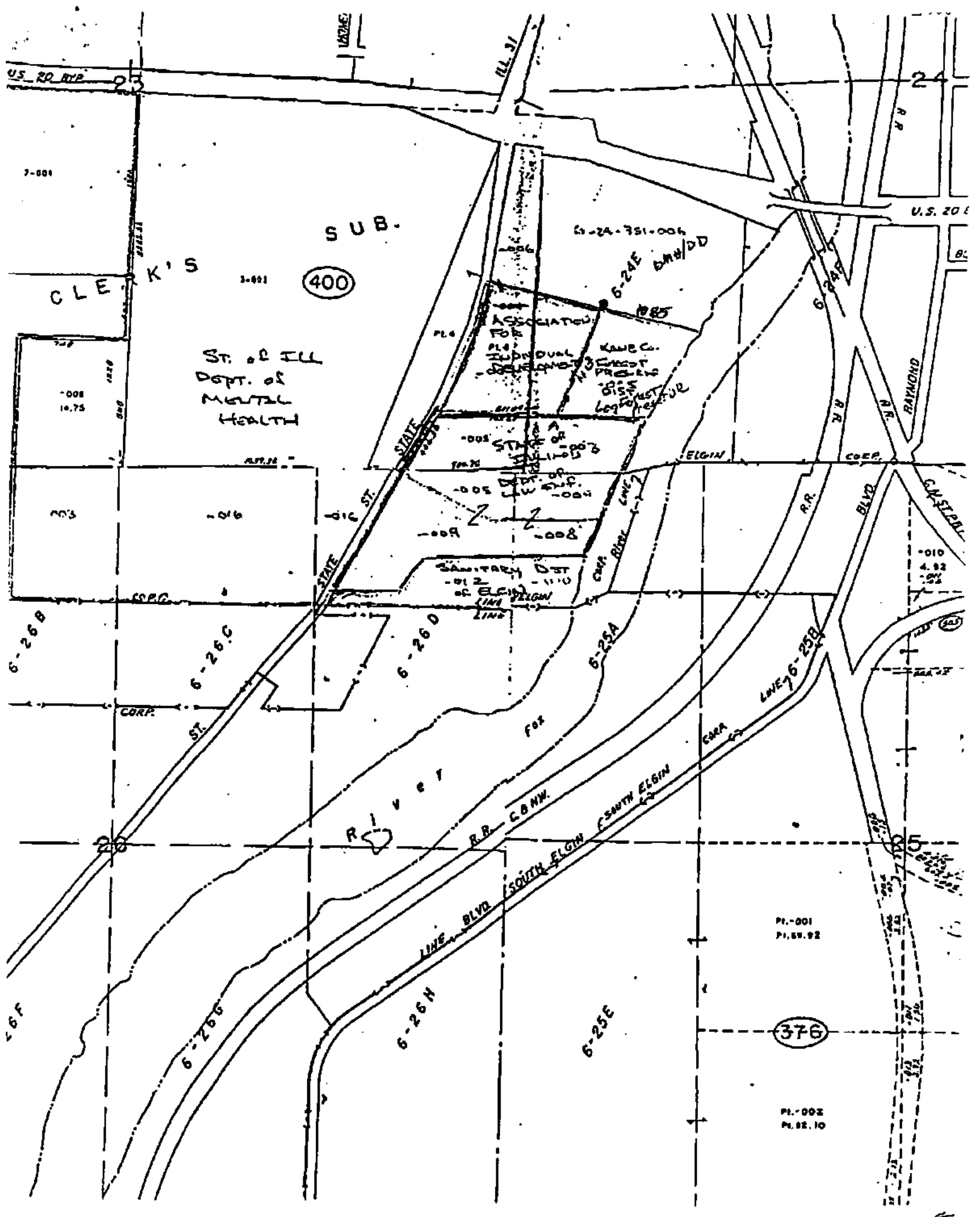
This is not a title insurance policy and should not be relied upon as such. For full protection, a title insurance policy should be secured.

CHICAGO TITLE INSURANCE COMPANY



Jon DiFazzio
Tract Book Department

JD/bc
5-22-85



SUB.
400

ST. & ILL
DEPT. OF
MENTAL
HEALTH

ASSOCIATED
K.W.C.
SOUTH ELGIN
R.R.

SANITARY DIST
OF ELGIN
LINE

PL. 001
PI. 89.92

376

PL. 002
PI. 82.10



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

THOMAS V. SKINNER, DIRECTOR

217/782-6762

MAR 22 1999

CERTIFIED MAIL

0344338533

Department of Human Services
Attn: Ben Grisham
100 North Ninth Street, Room 104
Springfield, Illinois 62765

Re: LPC #0894385115 -- Kane County
Elgin/Elgin Mental Health Department of Human Services
750 South State
LUST Incident No. 981344
LUST Technical File

Dear Mr. Grisham:

The Illinois Environmental Protection Illinois EPA ("Illinois EPA") has reviewed the Corrective Action Completion Report submitted for the above-referenced incident. This information was dated November 20, 1998; was received by the Illinois EPA November 23, 1998; and was prepared by Patrick Engineering.

The Corrective Action Completion Report and the Professional Engineer Certification submitted pursuant to 35 Illinois Administrative Code ("IAC") Section 732.300(b)(1) and Section 732.409(b) indicate that the remediation objectives set forth in 35 IAC Section 732.408 have been met.

Based upon the certification by Jeffery Schuh, a Registered Professional Engineer of Illinois, and pursuant to Section 57.10 of the Environment Protection Act ("Act") (415 ILCS 5/57.10), your request for a no further remediation determination is granted under the conditions and terms specified in this letter.

Issuance of this No Further Remediation Letter ("Letter"), based on the certification of the Registered Professional Engineer, signifies that: (1) all statutory and regulatory corrective action requirements applicable to the occurrence have been complied with; (2) all corrective action concerning the occurrence has been completed; and (3) no further remediation concerning the occurrence is necessary for the protection of human health, safety and the environment. Pursuant to Section 57.10(d) of the Act, this Letter shall apply in favor of the following persons:

1. Ben Grisham;
2. The owner and operator of the UST(s);
3. Any parent corporation or subsidiary of the owner or operator of the UST(s);
4. Any co-owner or co-operator, either by joint-tenancy, right of survivorship, or any other party sharing a legal relationship with the owner or operator to whom the letter is issued;
5. Any holder of a beneficial interest of a land trust or inter vivos trust, whether revocable or irrevocable;
6. Any mortgagee or trustee of a deed of trust of the owner of the site or any assignee, transferee, or any successor-in-interest of the owner of the site;
7. Any successor-in-interest of such owner or operator;
8. Any transferee of such owner or operator whether the transfer was by sale, bankruptcy proceeding, partition, dissolution of marriage, settlement or adjudication of any civil action, charitable gift, or bequest; or
9. Any heir or devisee of such owner or operator.

This Letter, including all attachments, must be filed within 45 days of its receipt as a single instrument with the Office of the Recorder or Registrar of Titles in the County where the above-referenced site is located. This Letter shall not be effective until officially recorded by the Office of the Recorder or Registrar of Titles of the applicable County in accordance with Illinois law so that it forms a permanent part of the chain of title for the above-referenced property. Within 30 days of this Letter being recorded by the Office of the Recorder or Registrar of Titles of the applicable county, a certified copy of this Letter, as recorded, shall be obtained and submitted to the Illinois EPA. For recording purposes, it is recommended that the Leaking Underground Storage Tank Environmental Notice attached to this Letter be the first page of the instrument filed.

CONDITIONS AND TERMS OF APPROVAL

LEVEL OF REMEDIATION AND LAND USE LIMITATIONS

1. The remediation objectives for the above-referenced site described in the Leaking Underground Storage Tank Environmental Notice of this Letter were established in accordance with the requirements of the Tiered Approach to Corrective Action Objectives (TACO, 35 IAC Part 742) rules.

2. As a result of the release from the underground storage tank(s) associated with the above-referenced incident, the site described in the attached Leaking Underground Storage Tank Environmental Notice of this Letter shall not be used in a manner inconsistent with the following land use limitation: There are no land use limitations.
3. The land use limitation specified in this Letter may be revised if:
 - a) Further investigation or remedial action has been conducted that documents the attainment of objectives appropriate for the new land use; and
 - b) A new Letter is obtained and recorded in accordance with Title XVII of the Act and regulations adopted thereunder.

PREVENTIVE, ENGINEERING, AND INSTITUTIONAL CONTROLS

4. Preventive: None.

Engineering: None.

Institutional: This Letter shall be recorded as a permanent part of the chain of title for the site described in the attached Leaking Underground Storage Tank Environmental Notice.
5. Failure to establish, operate, and maintain controls in full compliance with the Act, applicable regulations, and the approved corrective action plan may result in avoidance of this Letter.

OTHER TERMS

6. Any contaminated soil or groundwater that is removed, excavated, or disturbed from the above-referenced site must be handled in accordance with all applicable laws and regulations.
7. Further information regarding this site can be obtained through a written request under the Freedom of Information Act (5 ILCS 140) to:

Illinois Environmental Protection Agency
Attention: Freedom of Information Act Officer
Bureau of Land - #24
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

8. Pursuant to Section 57.10(e) of the Act (415 ILCS 5/57.10(e)), should the Illinois EPA seek to void this Letter, the Illinois EPA shall provide notice to the current title holder and to the owner or operator at the last known address. The notice shall specify the cause for the voidance, explain the provisions for appeal, and describe the facts in support of this cause. Specific acts or omissions that may result in the voidance of this Letter include, but shall not be limited to:
- a) Any violation of institutional controls or industrial/commercial land use restrictions;
 - b) The failure to operate and maintain preventive or engineering controls or to comply with any applicable groundwater monitoring plan;
 - c) The disturbance or removal of contamination that has been left in-place in accordance with the Corrective Action Plan or Completion Report;
 - d) The failure to comply with the recording requirements for the Letter;
 - e) Obtaining the Letter by fraud or misrepresentation; or
 - f) Subsequent discovery of contaminants, not identified as part of the investigative or remedial activities upon which the issuance of the Letter was based, that pose a threat to human health or the environment.

Within 35 days after the date of mailing of this final decision, the owner or operator may petition for a hearing before the Illinois Pollution Control Board ("Board") to contest the decision of the Illinois EPA. (For information regarding the filing of an appeal, please contact the Board at 312/814-3620.) However, the 35-day period for petitioning for a hearing may be extended for a period of time not to exceed 90 days by written notice provided to the Board from the owner or operator and the Illinois EPA within the 35-day initial appeal period. (For information regarding the filing of an extension, please contact the Illinois EPA's Division of Legal Counsel at 217/782-5544.)

Submit the certified copy of this letter, as recorded, to:

Illinois Environmental Protection Agency
Bureau of Land - #24
LUST Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

If you have any questions or need further assistance, please contact the Illinois EPA project manager, Dawn Ingold, at 217/785-8378.

Sincerely,

Hernando A. Albarracin

Hernando A. Albarracin
Unit Manager
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

HAA:DI

Attachments: Leaking Underground Storage Tank Environmental Notice

cc: Connie Sirota, Patrick Engineering, Inc.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

PAT QUINN, GOVERNOR

JOHN J. KIM, INTERIM DIRECTOR

217/524-3300

SEP 4 2012

Elgin Mental Health Ctr.
750 South State
Elgin IL 60123

Re: LPC # 0894385115- Kane County
Elgin/Elgin Mental Health Ctr.
750 South State
Leaking UST Incident #891217 -- NFR Letter
Leaking UST Technical File

To Whom It May Concern:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the file for the above-referenced incident. The review was conducted on August 15, 2012.

Based upon the information currently in the Illinois EPA's possession, further remediation does not appear necessary for the above-referenced incident. Therefore, pursuant to Section 4(y) of the Environmental Protection Act, the Illinois EPA releases Elgin Mental Health Ctr. from further responsibility for preventive or corrective action for the above-referenced incident.

This letter does not constitute Illinois EPA approval of any costs incurred during remediation. The Illinois EPA will review your complete request for partial or final payment from the Underground Storage Tank Fund after it is submitted to the Illinois EPA.

If you have any questions or require further assistance, please contact this office with any questions you may have.

Sincerely,

Hernando A. Albarracin, Manager
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF REMEDIATION MANAGEMENT

SEP 03 2012

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cc: BOL File



Hazardous Materials Incident

Report 0894385115-Kane



Incident #: H-2019-0547	<u>Elgin Mental Health Facility</u>
Entered By: Kattner, Paul (IEMA) on 2019-05-31 13:46:58	
Data Input Status: Closed	
Leaking Underground Storage Tank (LUST): Yes	<u>Leaking UST Tech File</u>

Caller:	Chris Proctor		
Call Back #:	815/636-0166		
Caller Represents:	Free Flow Technologies		
Hazmat Incident Type:	Leak or spill		
INCIDENT LOCATION			
Incident Location:	750 S. State St		
County:	Kane <u>60123</u>	City:	Elgin
Primary IEMA Region:	3	Secondary IEMA Region:	Not Applicable
Full Address:	750 S. State St, Elgin, IL		
Latitude:	42.014691 <u>.0212</u>	Longitude:	-88.283998 <u>.2845</u>
Milepost:	N/A	Sec:	N/A
Twp.:	N/A	Range:	N/A
Area Involved:	Fixed Facility		
Media or medium into which the release occurred:	Ground		

WEATHER INFORMATION		
Temp (deg F):	Unknown	Wind Dir/Speed m.p.h.: Unknown

MATERIALS INVOLVED			
Material Name:	Diesel Fuel	Material Type:	Liquid
CHRIS Code:	Unknown	CAS #:	Unknown
UN/NA #:	Unknown		
Is this a 302(a) Extremely Hazardous Substance?	Unknown		
Is this a RCRA Hazardous Waste?	Unknown		
Is this a RCRA regulated facility?	Unknown		
Container Type:	Under ground storage tank	Container Size:	4000 Gallons (Diesel)
Amount Released:	Unknown	Rate of Release/min:	Unknown
Duration of Release:	Unknown		
Cause of Release:	Suspected spills and overfills		
Estimated Spill Extent:	4,800 Cubic Feet	Spill Extent Units:	

IEPA - DIVISION OF RECORDS MANAGEMENT
RELEASABLE
JUN 27 2019
REVIEWER: JMR

Date/Time Occured:	(Date/Time Unknown)
Date/Time Discovered:	2019-05-31 10:00

Number Injured:	0	Where Taken:	N/A
Number Killed:	0	# Evacuated:	0
On Scene Contact:	David Arvans	On Scene Phone #:	847/613-8147

Proper safety precautions to take as a result of the release, including evacuation:
None

Assistance needed from State Agencies:
None

Containment/Cleanup actions and plans:
Tank has been removed.....Site will be placed in the lustr program.

Responsible Party:	Elgin Mental Health Facility
Contact Person:	David Arvans
Callback Phone Number:	847/613-8147
Facility Manager:	Unknown by caller
Facility Manager Phone #:	Unknown by caller
Street Address:	750 S. State St
City:	Elgin State: IL Zip Code: 60123

Emergency Units Contacted	Contacted	On Scene	Agencies Contacted
ESDA			None
Fire			None
Police			None
Sheriff			None
Other			None

AGENCIES OR PERSONS NOTIFIED			
Agency	Date/Time	Name of Person	Notification Action
IEPA, OSFM, NRTP, & IEMA Region #3	2019-05-31 13:50	E-mailed	Report Sent

Narrative:

Follow-Up Information:

Attachments:



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, ACTING DIRECTOR

(217) 524-3300

June 7, 2019

Elgin Mental Health Center
Attn: David Arvans
750 South State Street
Elgin, IL 60123

EPA - DIVISION OF RECORDS MANAGEMENT
RELEASABLE

Re: 0894385115 -- Kane County
Elgin/Elgin Mental Health Center --
750 South State Street
Leaking UST Incident 20190547
Leaking UST Technical File

JUN 17 2019

REVIEWER: RDH

Dear UST Owner or Operator:

The Illinois Environmental Protection Agency (Illinois EPA) received notification from the Illinois Emergency Management Agency that a release from an underground storage tank system(s) has occurred at the above-referenced site. As a result of this release, the owner or operator of the underground storage tank(s) is required to comply with the Leaking Underground Storage Tank (Leaking UST) Program requirements, including the submittal of applicable documentation on forms prescribed and provided by the Illinois EPA.

To obtain copies of the forms, as well as additional information regarding the Illinois EPA's Leaking UST Program, please visit our Web page at <https://www2.illinois.gov/epa/topics/cleanup-programs/lust/Pages/default.aspx>.

1. The direct link to the technical forms page is <https://www2.illinois.gov/epa/topics/cleanup-programs/lust/technical-forms/Pages/default.aspx>.
2. If you intend to seek reimbursement from the Illinois Underground Storage Tank Fund for costs incurred, the direct link to the budget and reimbursement forms page is: <https://www2.illinois.gov/epa/topics/cleanup-programs/lust/budget-and-billing-forms/Pages/default.aspx>.

If you do not have access to the Internet and/or have questions about the Leaking UST Program requirements, please contact the Leaking UST Program project manager on call at (217) 524-3300.

Sincerely,

Gregory W. Dunn, Manager
Leaking Underground Storage Tank Program
Remedial Project Management Section
Bureau of Land

c: BOL File

0894385115- Kane County
DHS Elgin Mental Health Ctr.
Incident # H20190547
Leaking UST Technical File

**45 Day Report
Elgin Mental Health Center
750 South State Street
Elgin, Kane County, Illinois 60123
IEMA #: H20190547
LPC #: 0894385115**

**Prepared For:
Elgin Mental Health Center
750 South State Street
Elgin, Illinois 60123**

**Prepared by:
Free Flow Technologies, Ltd.
4920 Forest Hills Road
Loves Park, Illinois 61111
815-636-0166
Job #: 449.88**

IEPA - DIVISION OF RECORDS MANAGEMENT
RELEASABLE

AUG 26 2019

REVIEWER: JMR

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JUL 26 2019

IEPA/BOL

0894385115- Kane County
 DHS Elgin Mental Health Ctr.
 Incident # 981699
 Leaking UST Technical File

**Leaking Underground Storage Tank Program
 45-Day Report**

A. Site Identification

IEMA Incident #: H20190547 IEPA LPC #: 0894385115
 Site Name: Elgin Mental Health Center
 Site Address: 750 South State Street
 City: Elgin County: Kane Zip Code: 60123

B. Release Information

UST Volume (gallons)	Material Stored in UST	Release Yes / No	Type of Release Tank Leak / Overfill / Piping Leak	Product Removed ? Yes / No	Tank Status Repaired / Removed / Abandoned / In Use
1,000	Diesel	Yes	Piping Leak	Yes	Removed

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JUL 26 2019

C. Early Action

- Does this report demonstrate that the most stringent Tier 1 remediation objectives have been met? YES NO
- Was free product encountered? YES NO
 If yes, the owner or operator must submit a Free Product Removal Report (LPC 504). If free product removal will be conducted for more than 45 days, a Free Product Removal Plan (and budget, if applicable) must be submitted (LPC 504).
- Have any fire or safety hazards posed by vapors or free product or contamination to a potable water supply been identified? YES NO
- What was the volume of backfill material excavated? 0 Yards³
- What was the volume of native soil excavated? 0 Yards³
- Was groundwater encountered at the site? YES NO

IEPA/BOL

7. Did the groundwater exhibit a sheen?

YES

NO

D. Site Release Information

Provide the following:

1. Data on the nature and estimated quantity of release:

One (1) 1,000-gallon diesel underground storage tank (fiberglass) was removed from the southeastern portion of the subject property on May 17, 2019 after emptying all pumpable fluids.

During tank removal, it was not apparent that the pea-gravel backfill materials were impacted with petroleum. To make it possible to remove the UST, the pea gravel fill materials from the excavation was temporarily stockpiled on the east side of the excavation. The stockpiled pea gravel was placed back into the excavation as fill material upon removing the 1,000-gallon diesel UST. Approximately 800 gallons of tank sludge/rinsates water was generated during tank cleaning activities. The tank sludge/rinsates water was removed by North Branch Environmental of Roselle, Illinois.

Observation of the tank showed it to be in good condition.

Soil samples were collected from the tank excavation walls (No floor samples were taken due to the tank's concrete hold down pad being in the way) in accordance with 35 Ill. Adm. Code 734.210(h) (2). During Laboratory analysis, an exceedance in residential ingestion samples collected on the north and south walls of the excavation, but the data does not exceed PNA background within metropolitan statistical areas. As a result of this data, a petroleum release for the subject property was reported to the Illinois Emergency Management Agency (May 31, 2019). Incident number H20190547 was assigned to this incident.

Upon receipt of the analytical reports for the soil samples collected, a comparison to the Tier 1 Soil Remediation Objectives for Residential Properties was made. This comparison identified that there has been Soil Remediation Objective (SRO) exceedances in all 3 of the 6 of the soil samples collected. The north wall, south wall, and south pipe trench samples exceeded ROs in residential ingestion for Benzo(a)pyrene, but they did not exceed PNA background within metropolitan statistical areas for residential ingestion.

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Based on the above information, and observations made during the tank removal activities from May 17, 2019, the release is likely diesel fuel. However, the quantity of the release is unknown and cannot be determined at this time.

2. *Data from available sources or site investigations concerning the following factors:*

a. *Surrounding populations;*

The City of Elgin is located approximately 35 miles north northwest of Chicago, Illinois and is bordered by Streamwood to the east, Pingree Grove to the west, West Dundee to the north, and South Elgin to the south. The population of the City of Elgin is approximately 112,456 people.

b. *Water quality*

The City of Elgin provides water to the residences and businesses in Elgin. The source of the water used by Elgin is surface water from the Fox River and it is treated at the Leo Nelson Riverside Water Treatment Plant. Free Flow contacted the Elgin Water Department and was informed that the City of Elgin obtains their water through the Leo Nelson Riverside Water Treatment Plant and comes from the Fox River. The Leo Nelson Riverside Water Treatment Plant is in Elgin and utilizes the Fox River as its source water. The Leo Nelson Riverside Water Treatment Plant serves the entire City of Elgin. The Fox River is a tributary of the Illinois River. It is approximately 202 miles long and flows from southern Wisconsin to the Illinois River. This water is pumped directly from the Fox River and purified by the Leo Nelson Riverside Water Treatment Plant for distribution. The City of Elgin also indicated that there have been no issues or concerns with the water supply and that the water is tested on a regular basis.

c. *Use and approximate locations of wells potentially affected by the release;*

The City of Elgin obtains its public water supply from the Leo Nelson Riverside Water Treatment Plant.

The following table summarizes the wells located within 2500 feet of the subject property.

Well #	Distance		Direction	Depth	Description	
	Miles	Feet				
2000	0.23	1,200	ENE	2,000	Water Well	Elgin State Hospital
20118	0.24	1,255	ENE	2,000	Community Water Supply Well	Inactive
20117	0.21	1,133	WNW	2,000	Community Water Supply Well	Inactive
2000	0.31	1,648	NW	2,000	Water Well	Illinois State Hospital
273	0.33	1,746	WNW	273	Water Well	Harold Hubbe
80	0.38	1,984	SW	80	Water Well	Don Gledraitis
68	0.39	2,069	SE	68	Water Well	Kerber Packing Co.
80	0.43	2,266	WNW	80	Water Well Test Hole	Elgin
200	0.44	2,299	NNW	200	Water Well	Prairie Group

Please refer to Attachment C for copies of the information obtained from the IEPA's Source Water Assessment Program Mapping tool.

d. Subsurface soil conditions;

Base on a review of the Kane County GIS, the soil type in the area of the subject property is classified 369B.

Soil type 369B is listed as Waupecan Silt Loam with 2 to 4 percent slopes on the USDA Official Soil Series Descriptions list. The soil is described as – a very deep, well-drained soil on outwash plains and stream terraces. They form in loess or other silty material and in the underlying loamy outwash and are deep to sandy and gravely deposits.

e. Location of subsurface sewers;

No sanitary or subsurface sewers for the subject property were encountered during underground storage tank removal activities. No overhead electric lines were encountered during tank removal.

f. Climatological conditions; and

Elgin, Illinois has typical Mid-western weather conditions (cold winters and warm summers). At the time of the tank removal activities (May 17, 2019), the weather was overcast with scattered showers and moderate temperatures.

g. Land use;

Subject property – Illinois Department of Human Services
North – Elgin Sports Complex, Highway 20, Residential Properties
West – Highlands of Elgin Golf Course
South – TRM Trucking, TLC Truck Leasing Company
East – South State Street, Illinois State Police, Fox River Water Reclamation District, Elgin Shores Forest Preserve

3. A discussion of what was done to measure for the presence of a release where contamination was most likely to be present at the UST site;

The tank was removed because the backup generator it stored fuel for was not in use anymore. Soil samples were collected from the tank excavation walls and base in accordance with 35 Ill. Adm. Code 734.210(h)(2). Upon receipt of the analytical reports for the soil samples collected, a comparison to the Tier 1 Soil Remediation Objectives for Residential Properties was made. This comparison identified an SRO exceedance for residential ingestion objectives in samples collected on the north wall south wall, and south pipe trench. However, the data does not exceed PNA background within metropolitan statistical areas. It was determined that a petroleum release for the subject property needed to be reported to the Illinois Emergency Management Agency (May 31, 2019). Incident number H20190547 was assigned to the property

Based on the above information, and observations made during the tank removal activities on May 17, 2019, the quantity of the release is unknown and cannot be determined at this time.

4. The results of the free product investigations;

There was no measurable free product encountered during the tank removal activities. Upon removal of the tank and pea gravel, the native soil had no visual evidence of petroleum impact.

5. A discussion of the action taken to prevent further release of the regulated substance into the environment;

Prior to removal, the product/water in the underground storage tank was removed. B & B Excavating of Morris, Illinois conducted tank removal/cleaning activities on May 17, 2019. Upon uncovering the UST in the excavation, it was purged of hazardous vapors using liquid nitrogen to an LEL below 5% to allow for removal from the excavation and tank cleaning. Approximately 800 gallons of wash water/sludge generated from the cleaning process was collected in a vacuum truck and transported under manifest #020620383JJK by North Branch Environmental to Water Integrated Treatment Systems located in Dolton, Illinois.

Confirmation soil sampling was then conducted by Free Flow Technologies, Ltd. of Loves Park, Illinois on May 17, 2019 after tank removal. Soil samples were collected from the native silty clay sidewalls of the excavation, and the native silty clay base of the pipe trench (see Figure 3 for soil sample locations). No samples were collected from the northern and southern bases of excavation due to a thick concrete slab that was unable to be broken with the equipment on site. A summary of the analytical results is contained in Table 1 and the analytical report, Chain-of-Custody, and Laboratory Certification is contained in Attachment D.

After removal of the tank and sampling of the main excavation, the product line and vent line located to the south of the tank were removed.

6. *A discussion of the action taken to monitor and mitigate fire and safety hazards posed by vapors or free product that has migrated from the UST excavation zone and entered subsurface structures; and*

There are no subsurface structures in the vicinity of the former UST. No free product was observed during the removal of the UST. The levels of soil contamination were screened during soil sampling activities using a photoionization detector (PID). PID readings were 0 ppmv. All pipelines were removed at the time of tank removal. The buildings located on the subject property have slab-on-grade foundations (no basement).

7. *Any other information collected while performing initial abatement measures pursuant to 35 Ill. Adm. Code 731.162, 732.202(b), or 734.210(b).*

None.

E. Other Information

Provide the following:

1. *An area map showing the site in relation to surrounding properties;*

See Figure 1 for an area map and Figure 2 for a topographic map.

2. *A cross section, to scale, showing the UST(s) and the excavation;*

See Figure 5 and Figure 6

3. *Analytical/screening results in tabular format including the results of soil samples required pursuant to 35 Ill. Adm. Code 732.202(h) or 734.210(h) and the most stringent Tier 1 remediation objectives;*

Please See Table 1 in Attachment D for a summary of the analytical results for the samples collected during the tank removal activities.

4. *Site map meeting the requirements of 35 Ill. Adm. Code 732.110(a) or 734.440 and including sample locations;*

See Figures 1-6

5. *Soil boring logs;*

No soil borings have been performed.

6. *Chain of custody forms;*

Copies of the chain of custody forms are included in Attachment D.

7. *Laboratory analytical reports;*

Copies of all laboratory analytical results are included in Attachment D.

8. *Laboratory certifications;*

The completed laboratory certification form (LPC 509) is included in Attachment D.

9. *A copy of the Office of the State Fire Marshal Permit for Removal, Abandonment-in-Place, or other OSFM permits or notifications;*

Copies of the removal permit are included in Attachment E.

10. A narrative of tank removal and cleaning operations; describe how wastes generated during the tank removal were managed, treated, and disposed of;

- The sidewalk, topsoil, and backfill material on top of the tank was removed in order to gain access to the tank.
- Mr. David Arvans, Elgin Mental Health Facility, was on site during all tank removal activities
- The remaining tank contents and tank cleaning water (800-gallons) was pumped from the UST on May 17, 2019 by North Branch Environmental and hauled to Water Integrated Treatment Systems in Dolton, Illinois for proper disposal (see Attachment F for manifest).
- The tank was purged using liquid nitrogen until the vapor concentration was below 5% LEL prior to removal.
- Once the vapor concentration in the tank was below 5% LEL, as verified by the OSFM representative, the tank was removed from the excavation for cleaning.
- All wash water and sludge generated from the cleaning activities was removed from the tank using a suction hose connected to a North Branch Environmental vacuum truck and disposed at Water Integrated Treatment Systems located in Dolton, Illinois (see Attachment F for manifest).
- The soil that was excavated as part of the tank removal activities was used as fill for the excavation.

11. Photographs of UST removal activities and the excavation; and

Photographs are included in Attachment G.

12. Copies of manifests for soil and groundwater transported off site.

Copies of the manifests are included in Attachment F.

F. Early Action Tier 1 Remediation Objective Report

If the most stringent Tier 1 remediation objectives of 35 Ill. Adm. Code 742 for the applicable indicator contaminants have been met and a groundwater investigation is not required, in addition to the information provided above, provide the following:

1. *Site characterization;*

2. *If water was encountered in the excavation, provide a demonstration pursuant to 35 Ill. Adm. Code 732.202(h)(4)(C) or 734.210(h)(4)(C) that it is not representative of actual groundwater; and*
3. *Property Owner Summary (form LPC 568)*

Based on the laboratory analytical results for the soil samples collected during the early action activities, the most stringent Tier 1 Soil Remediation Objective for Residential Properties have been met for the subject property. Since groundwater was not encountered during removal of the UST a groundwater investigation is not required.

G. Signatures

Please refer to Form LPC 503 (45-Day Report) in Attachment A for signatures.

Attachment A:

LPC 503 Form



Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program 45-Day Report

A. Site Identification

IEMA Incident # (6- or 8-digit): 20190547 IEPA LPC# (10-digit): 0894385115
Site Name: Elgin Mental Health Center
Site Address (Not a P.O. Box): 750 South State Street
City: Elgin County: Kane Zip Code: 60123

B. Release Information

UST Volume (gallons)	Material Stored in UST	Release Yes / No	Type of Release Tank Leak / Overfill / Piping Leak	Product Removed? Yes / No	Tank Status Repaired / Removed Abandoned / In Use
1,000	Diesel Fuel	Yes	Piping Leak	Yes	Removed

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JUL 26 2019
IEPA/BOL

C. Early Action

- Does this report demonstrate that the most stringent Tier 1 remediation objectives have been met? Yes No
- Was free product encountered? Yes No
If yes, the owner or operator must submit a Free Product Removal Report (form LPC 504).
If free product removal will be conducted for more than 45 days, a Free Product Removal Plan (and budget, if applicable) must be submitted (form LPC 504).
- Have any fire or safety hazards posed by vapors or free product or contamination to a potable water supply been identified? Yes No
- What was the volume of backfill material excavated? 0 Yards³

5. What was the volume of native soil excavated? 0 Yards³
6. Was groundwater encountered at the site? Yes No
7. Did the groundwater exhibit a sheen? Yes No

D. Site/Release Information

Provide the following:

1. Data on the nature and estimated quantity of release;
2. Data from available sources or site investigations concerning the following factors:
 - a. Surrounding populations;
 - b. Water quality;
 - c. Use and approximate locations of wells potentially affected by the release;
 - d. Subsurface soil conditions;
 - e. Location of subsurface sewers;
 - f. Climatological conditions; and
 - g. Land use;
3. A discussion of what was done to measure for the presence of a release where contamination was most likely to be present at the UST site;
4. The results of the free product investigations;
5. A discussion of the action taken to prevent further release of the regulated substance into the environment;
6. A discussion of the action taken to monitor and mitigate fire and safety hazards posed by vapors or free product that has migrated from the UST excavation zone and entered subsurface structures; and
7. Any other information collected while performing initial abatement measures pursuant to 35 Ill. Adm. Code 731.162 or 734.210(b).

E. Other Information

Provide the following:

1. An area map showing the site in relation to surrounding properties;
2. A cross section, to scale, showing the UST(s) and the excavation;
3. Analytical/screening results in tabular format including the results of soil samples required pursuant to 35 Ill. Adm. Code 734.210(h) and the most stringent Tier 1 remediation objectives;
4. Site map meeting the requirements of 35 Ill. Adm. Code 734.440 and including sample locations;
5. Soil boring logs;
6. Chain of custody forms;
7. Laboratory analytical reports;
8. Laboratory certifications;
9. A copy of the Office of the State Fire Marshal Permit for Removal, Abandonment-in-Place, or other OSFM permits or notifications;

10. A narrative of tank removal and cleaning operations; describe how wastes generated during the tank removal were managed, treated, and disposed of;
11. Photographs of UST removal activities and the excavation; and
12. Copies of manifests for soil and groundwater transported off-site.

F. Early Action Tier 1 Remediation Objectives Compliance Report

If the most stringent Tier 1 remediation objectives of 35 Ill. Adm. Code 742 for the applicable indicator contaminants have been met and a groundwater investigation is not required, in addition to the information provided above, provide the following:

1. Site characterization;
2. If water was encountered in the excavation, provide a demonstration pursuant to 35 Ill. Adm. Code 734.210(h)(4)(C) that it is not representative of actual groundwater; and
3. Property Owner Summary (form LPC 568).

G. Signatures

UST Owner or Operator Signature:

All plans, budgets, and reports must be signed by the owner or operator and list the owner's or operator's full name, address, and telephone number.

UST Owner or Operator and Licensed Professional Engineer or Licensed Professional Geologist Certification of Stage 1 Site Investigation Plan and Budget (applies to Part 734 sites continuing beyond early action):

Pursuant to 35 Ill. Adm. Code 734.315(b) and 734.310(b), I certify that the Stage 1 site investigation will be conducted in accordance with 35 Ill. Adm. Code 734.315 and that the costs of the Stage 1 site investigation will not exceed the amounts set forth in 35 Ill. Adm. Code 734.Subpart H, Appendix D, and Appendix E. This certification is intended to meet the requirements for a plan and budget for the Stage 1 site investigation required to be submitted pursuant to 35 Ill. Adm. Code 734.315 and 734.310.

Continue onto next page.

Licensed Professional Engineer or Licensed Professional Geologist Certification:

I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in this plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 731, 732, or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

UST Owner or Operator

Name Elgin Mental Health Center
Contact _____
Address 750 South State Street
City Elgin
State Illinois
Zip Code 60123
Phone 847-742-1040
Signature *Benjamin M. [Signature]*
Date 7-17-19

Consultant

Company Free Flow Technologies, Ltd.
Contact Cristopher Proctor
Address 4920 Forest Hills Road
City Loves Park
State Illinois
Zip Code 61111
Phone (815) 636-0166
E-mail: cproctor@freeflowtech.com
Signature *Cristopher Proctor*
Date 7/17/2019

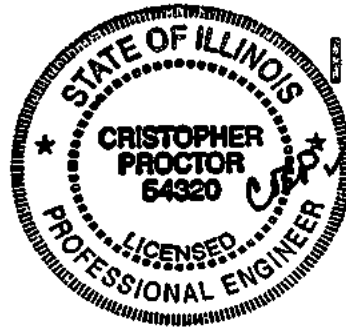
Licensed Professional Engineer or Geologist

Name Cristopher Proctor
Company Free Flow Technologies, Ltd.
Address 4920 Forest Hills Road
City Loves Park
State Illinois
Zip Code 61111
Phone (815) 636-0166
Ill. Registration No. 54320
License Expiration Date 11/30/2019
Signature *Cristopher Proctor*
Date 7/17/2019

L.P.E. or L.P.G. Seal **RECEIVED**

JUL 26 2019

IEPA/BOL



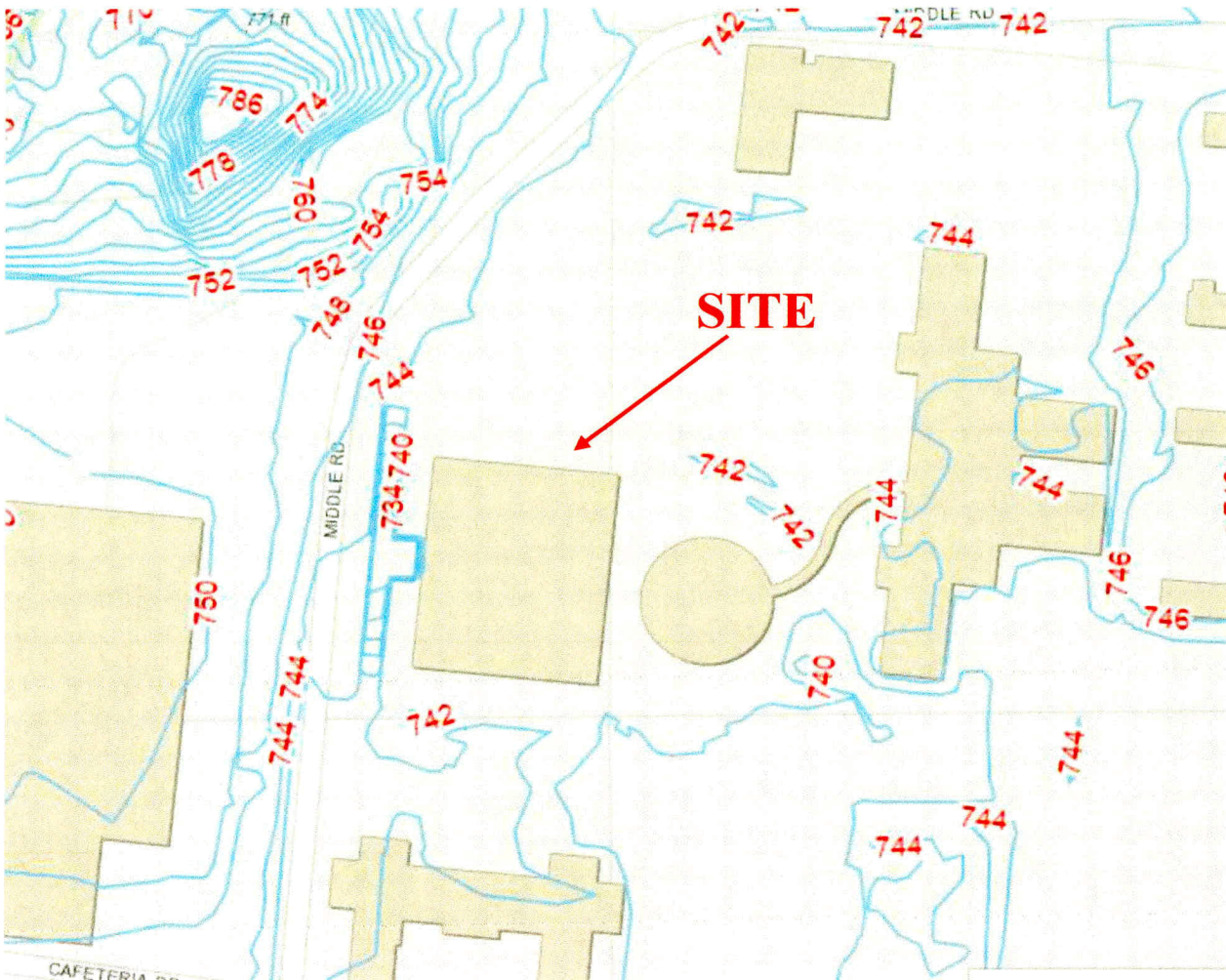
Attachment B:

Figures



FIGURE 1: AREA MAP
Elgin Mental Health Center
750 South State Street
Elgin, Illinois 60123





Base Map Taken From Kane County GIS Dated 7/1/2019

FIGURE 2: USGS TOPO MAP
 Elgin Mental Health Center
 750 South State Street
 Elgin, Illinois 60123



Free
 Flow
 Technologies, Ltd.

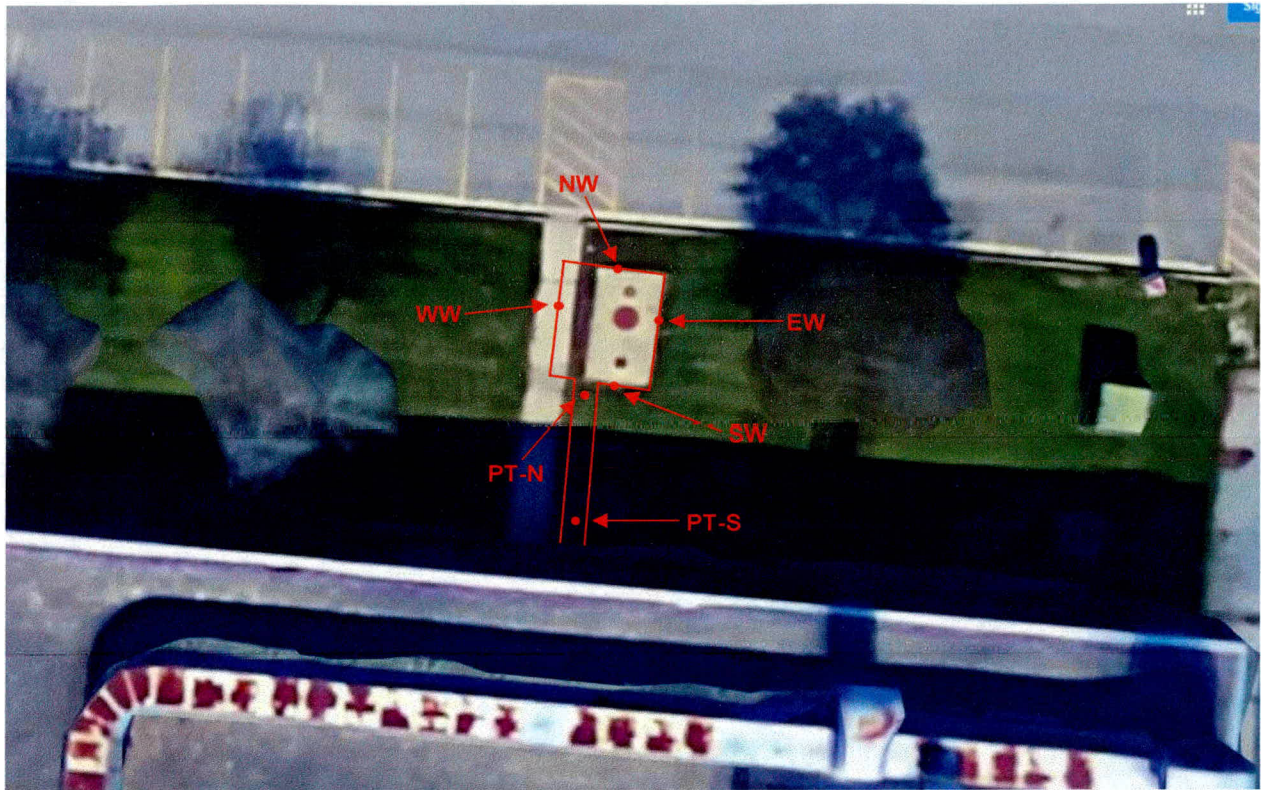


Figure 3: SOIL SAMPLE LOCATION MAP

Elgin Mental Health Center
750 South State Street
Elgin, Illinois 60123



Free
Flow
Technologies, Ltd.

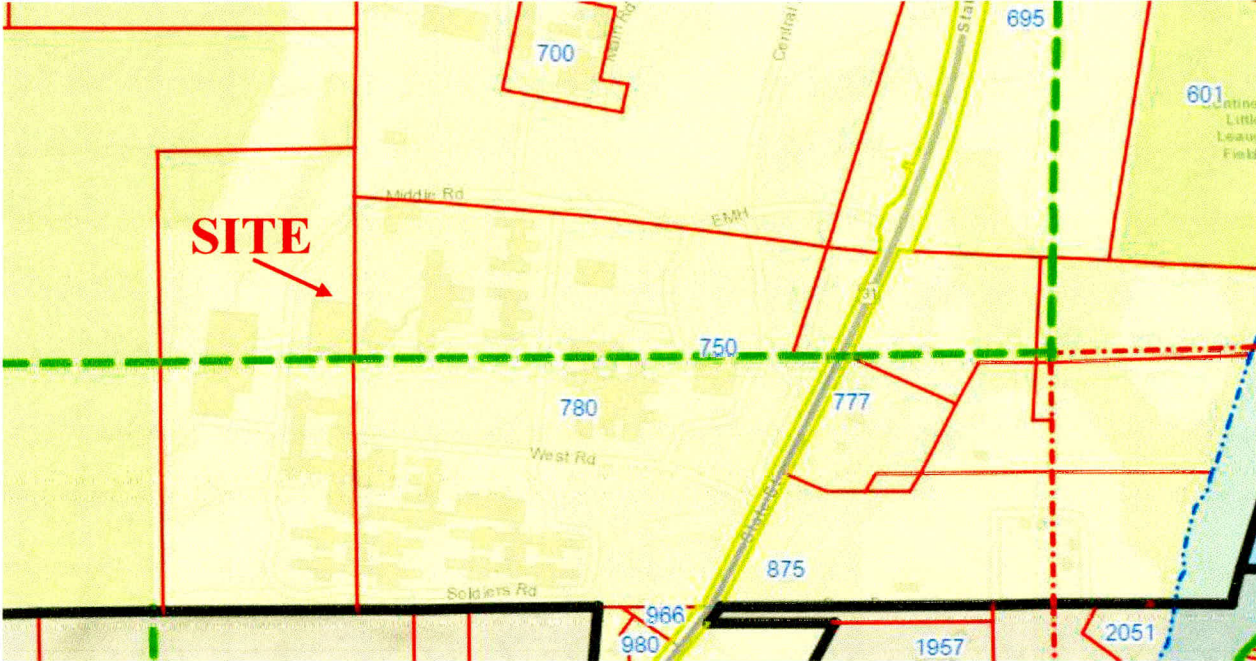


FIGURE 4: PLAT MAP
Elgin Mental Health Center
750 South State Street
Elgin, Illinois 60123



Free
Flow
Technologies, Ltd.

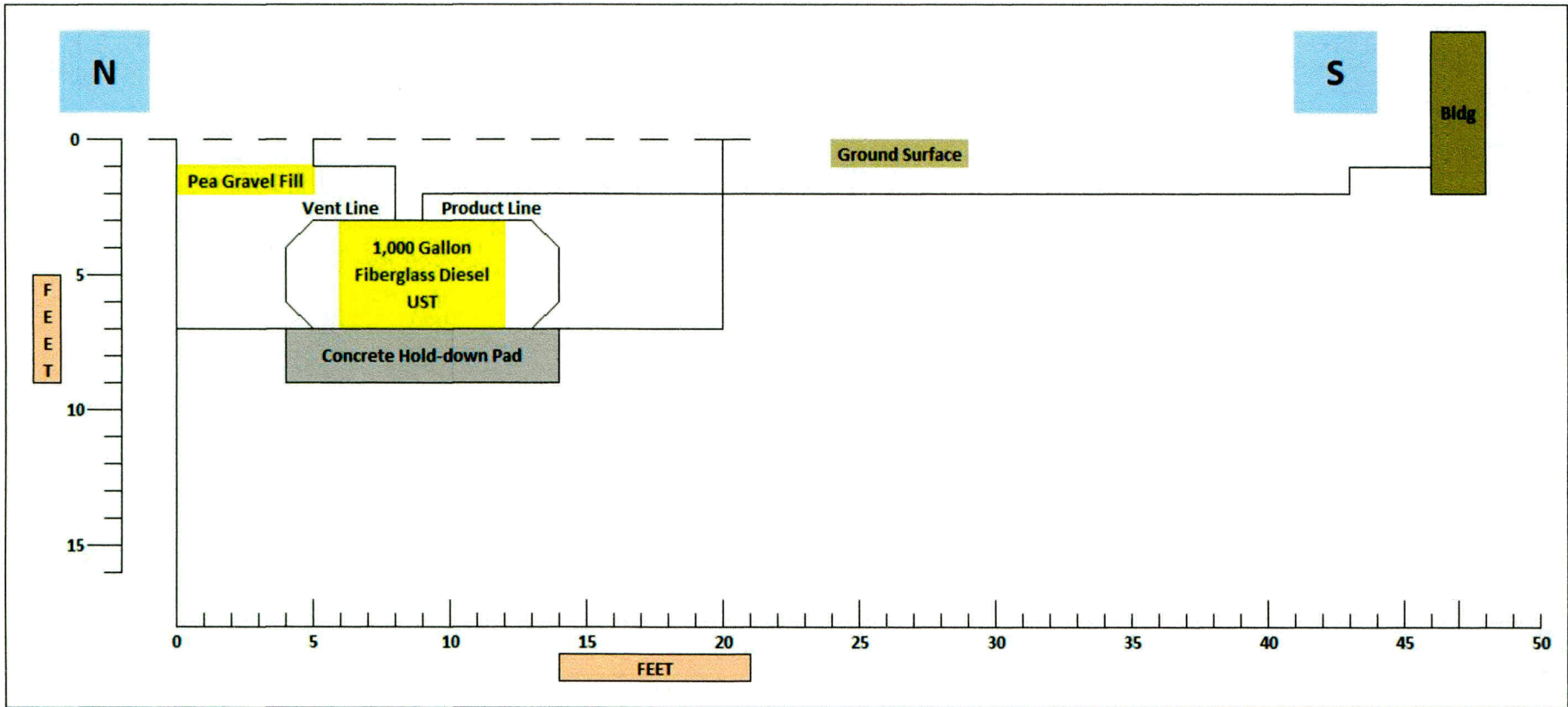


Figure 5: North/South Cross Section of 1,000-Gal Diesel UST

Elgin Mental Health Center
 750 South State Street
 Elgin, Illinois 60123

Free
 Flow
 Technologies, Ltd.

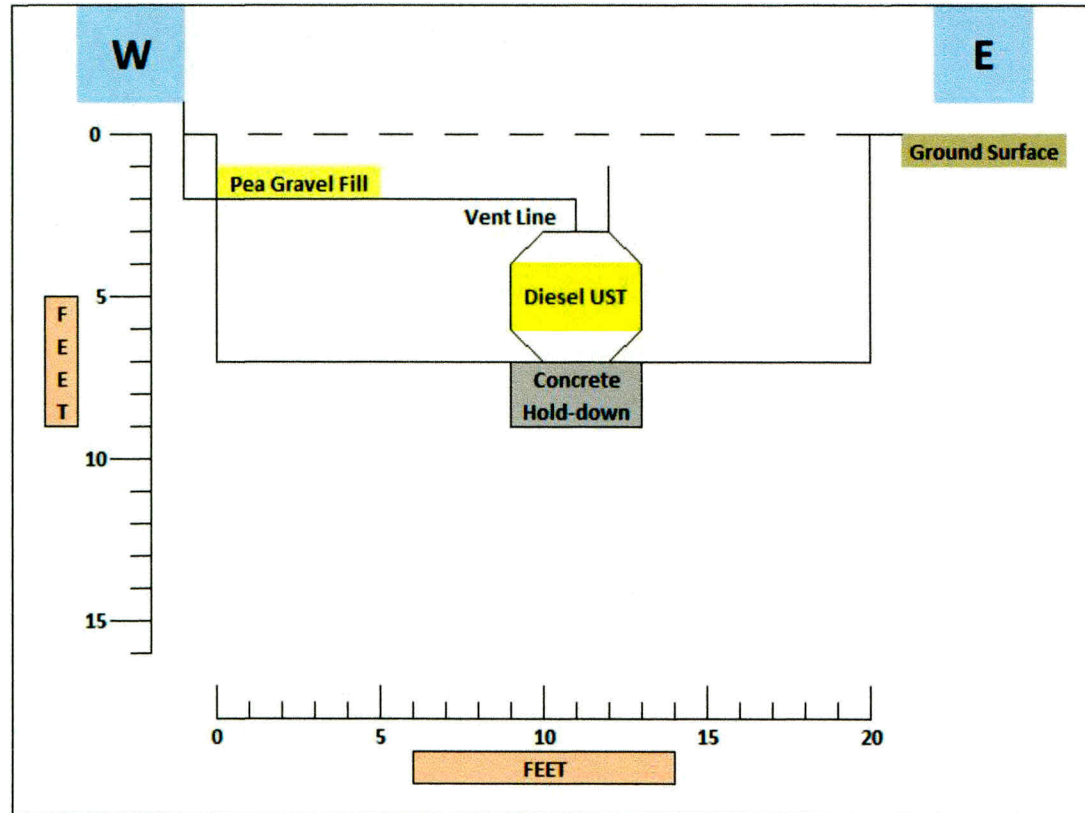
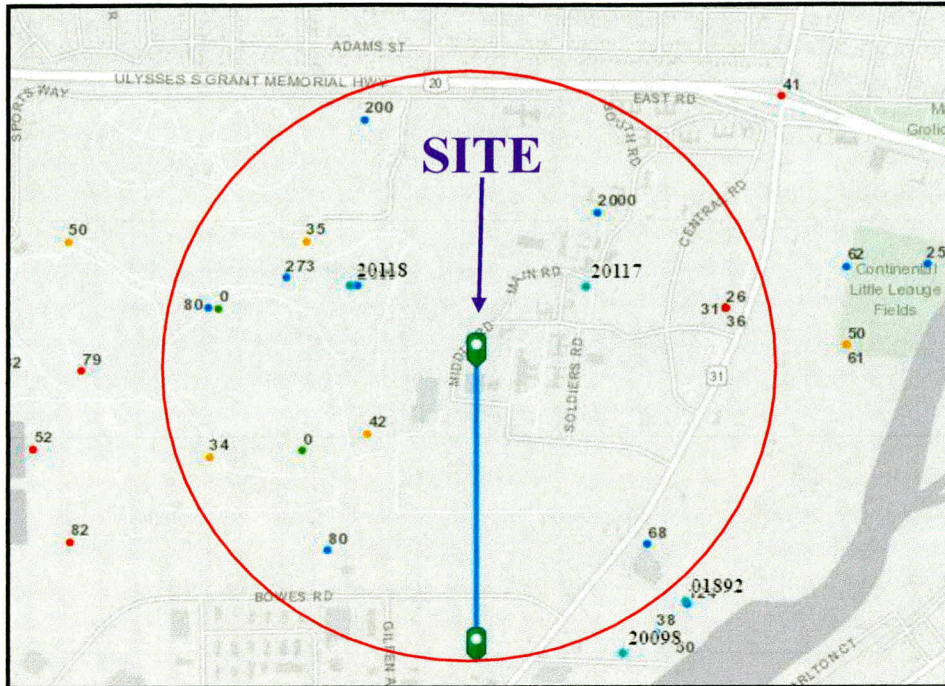


Figure 6: West/East Cross Section of 1,000-Gal Diesel UST
 Elgin Mental Health Center
 750 South State Street
 Elgin, Illinois 60123

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 Technologies, Ltd.

Attachment C:
Well Information



Private Wells within 2500 Feet of Elgin Mental Health Center
 Elgin Mental Health Center
 750 South State Street
 Elgin, Illinois 60123



Free
 Flow
 Technologies, Ltd.

Attachment D:

**Table 1, Laboratory Analytical, Chain-of-Custody, and Laboratory
Certification (LPC 532 Form)**

FREE FLOW TECHNOLOGIES
449.88 Elgin Mental Health Facility
 Date of Sample Collection:
 Time of Sample Collection:
 First Environmental Lab. Numbers:

Contaminants of Concern:
 Solids, Total (2540B)

Date Analyzed:

Total Solids

BTEX Organic Compounds (5035A/8260B)

Date Analyzed:

Benzene

Ethylbenzene

Toluene

Xylene, Total

Polyaromatic Aromatic Hydrocarbons (8270C)

Date Analyzed:

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(k)fluoranthene

Benzo(g,h,i)perylene

Chrysene

Dibenz(a,h)anthracene

Fluoranthene

Fluorene

Indene(1,2,3-cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Residential Inhabitation	Industrial Commercial Inhabitation	Industrial Commercial Inhabitation	Residential Inhabitation	Construction Worker Inhabitation	Construction Worker Inhabitation	Soil Component Groundwater Inhabitation Class	PNA Background Within Metropolitan Statistical Areas	RW	SW	EW	WW	PT-N	PTS
41000	41000	41000	41000	41000	41000	41000	41000	19-2985-001	19-2985-002	19-2985-003	19-2985-004	19-2985-005	19-2985-006

Units	RDL	CAS	TS	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019
%				87.17	79.2	78.36	82.9	91.95	91.4				
mg/kg	0.005	71-43-2											
mg/kg	0.005	100-41-4	7800										
mg/kg	0.005	108-88-3	16000										
mg/kg	0.005	1330-20-7	16000										
mg/kg	0.05	83-32-9	4700										
mg/kg	0.05	50-29-3	2300										
mg/kg	0.05	120-12-7	23000										
mg/kg	0.0087	56-55-3	8										
mg/kg	0.015	50-32-8	0.9										
mg/kg	0.011	205-99-2	8										
mg/kg	0.011	207-40-9	9										
mg/kg	0.05	7429-90-5	2300										
mg/kg	0.05	218-01-9	88										
mg/kg	0.02	51-70-3	0.09										
mg/kg	0.05	206-44-0	3100										
mg/kg	0.05	86-33-7	3100										
mg/kg	0.025	193-39-5	0.9										
mg/kg	0.025	91-20-3	1600										
mg/kg	0.05	1336-36-3	2300										
mg/kg	0.05	129-00-0	2300										



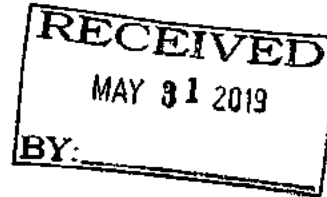
**First
Environmental
Laboratories, Inc.**

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

May 24, 2019

Mr. Cris Proctor
FREE FLOW TECHNOLOGIES
4920 Forrest Hills Road
Loves Park, IL 61111



Project ID: 449.88 Elgin
First Environmental File ID: 19-2985
Date Received: May 17, 2019

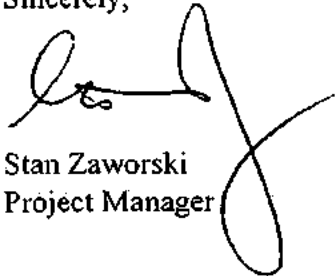
Dear Mr. Cris Proctor:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 004598: effective 04/23/2019 through 02/28/2020.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,



Stan Zaworski
Project Manager



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Case Narrative

FREE FLOW TECHNOLOGIES

Lab File ID: 19-2985

Project ID: 449.88 Elgin

Date Received: May 17, 2019

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
19-2985-001	NW	05/17/19 11:09
19-2985-002	SW	05/17/19 11:28
19-2985-003	EW	05/17/19 11:05
19-2985-004	WW	05/17/19 11:07
19-2985-005	PT-N	05/17/19 11:58
19-2985-006	PT-S	05/17/19 12:06

Sample Batch Comments:

Sample acceptance criteria were met.



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Case Narrative

FREE FLOW TECHNOLOGIES

Lab File ID: 19-2985

Project ID: 449.88 Elgin

Date Received: May 17, 2019

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
A	Method holding time is 15 minutes from collection. Lab analysis was performed as soon as possible.		
B	Analyte was found in the method blank.	L	LCS recovery outside control limits.
<	Analyte not detected at or above the reporting limit.	M	MS recovery outside control limits; LCS acceptable.
C	Sample received in an improper container for this test.	P	Chemical preservation pH adjusted in lab.
D	Surrogates diluted out; recovery not available.	Q	Result was determined by a GC/MS database search.
E	Estimated result; concentration exceeds calibration range.	S	Analysis was subcontracted to another laboratory.
G	Surrogate recovery outside control limits.	T	Result is less than three times the MDL value.
H	Analysis or extraction holding time exceeded.	W	Reporting limit elevated due to sample matrix.
J	Estimated result; concentration is less than routine RL but greater than MDL.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.



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Analytical Report

Client: FREE FLOW TECHNOLOGIES
Project ID: 449.88 Elgin
Sample ID: NW
Sample No: 19-2985-001

Date Collected: 05/17/19
Time Collected: 11:09
Date Received: 05/17/19
Date Reported: 05/24/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total		Method: 2540B		
Analysis Date: 05/20/19				
Total Solids	87.17		%	
BTEX Organic Compounds		Method: 5035A/8260B		
Analysis Date: 05/23/19				
Benzene	< 5.0	5.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Polynuclear Aromatic Hydrocarbons		Method: 8270C		
Analysis Date: 05/22/19				
		Preparation Method 3546		
Preparation Date: 05/21/19				
Acenaphthene	< 50	50	ug/kg	
Acenaphthylene	< 50	50	ug/kg	
Anthracene	< 50	50	ug/kg	
Benzo(a)anthracene	182	8.7	ug/kg	
Benzo(a)pyrene	181	15	ug/kg	
Benzo(b)fluoranthene	195	11	ug/kg	
Benzo(k)fluoranthene	149	11	ug/kg	
Benzo(ghi)perylene	105	50	ug/kg	
Chrysene	173	50	ug/kg	
Dibenzo(a,h)anthracene	29	20	ug/kg	
Fluoranthene	237	50	ug/kg	
Fluorene	< 50	50	ug/kg	
Indeno(1,2,3-cd)pyrene	116	29	ug/kg	
Naphthalene	< 25	25	ug/kg	
Phenanthrene	56	50	ug/kg	
Pyrene	235	50	ug/kg	



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Analytical Report

Client: FREE FLOW TECHNOLOGIES
Project ID: 449.88 Elgin
Sample ID: SW
Sample No: 19-2985-002

Date Collected: 05/17/19
Time Collected: 11:28
Date Received: 05/17/19
Date Reported: 05/24/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total		Method: 2540B		
Analysis Date: 05/20/19				
Total Solids	79.20		%	
BTEX Organic Compounds		Method: 5035A/8260B		
Analysis Date: 05/23/19				
Benzene	< 5.0	5.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Polynuclear Aromatic Hydrocarbons Method: 8270C		Preparation Method 3546		
Analysis Date: 05/23/19		Preparation Date: 05/21/19		
Acenaphthene	60	50	ug/kg	
Acenaphthylene	< 50	50	ug/kg	
Anthracene	121	50	ug/kg	
Benzo(a)anthracene	511	8.7	ug/kg	
Benzo(a)pyrene	386	15	ug/kg	
Benzo(b)fluoranthene	380	11	ug/kg	
Benzo(k)fluoranthene	338	11	ug/kg	
Benzo(ghi)perylene	238	50	ug/kg	
Chrysene	528	50	ug/kg	
Dibenzo(a,h)anthracene	73	20	ug/kg	
Fluoranthene	851	50	ug/kg	
Fluorene	< 50	50	ug/kg	
Indeno(1,2,3-cd)pyrene	248	29	ug/kg	
Naphthalene	< 25	25	ug/kg	
Phenanthrene	413	50	ug/kg	
Pyrene	692	50	ug/kg	



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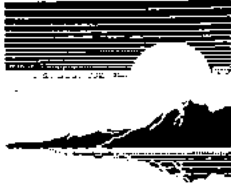
Analytical Report

Client: FREE FLOW TECHNOLOGIES
Project ID: 449.88 Elgin
Sample ID: EW
Sample No: 19-2985-003

Date Collected: 05/17/19
Time Collected: 11:05
Date Received: 05/17/19
Date Reported: 05/24/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total		Method: 2540B		
Analysis Date: 05/20/19				
Total Solids	78.36		%	
BTEX Organic Compounds		Method: 5035A/8260B		
Analysis Date: 05/23/19				
Benzene	< 5.0	5.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Polynuclear Aromatic Hydrocarbons		Method: 8270C		
Analysis Date: 05/22/19				
		Preparation Method 3546		
Preparation Date: 05/21/19				
Acenaphthene	< 50	50	ug/kg	
Acenaphthylene	< 50	50	ug/kg	
Anthracene	< 50	50	ug/kg	
Benzo(a)anthracene	< 8.7	8.7	ug/kg	
Benzo(a)pyrene	< 15	15	ug/kg	
Benzo(b)fluoranthene	< 11	11	ug/kg	
Benzo(k)fluoranthene	< 11	11	ug/kg	
Benzo(ghi)perylene	< 50	50	ug/kg	
Chrysene	< 50	50	ug/kg	
Dibenzo(a,h)anthracene	< 20	20	ug/kg	
Fluoranthene	< 50	50	ug/kg	
Fluorene	< 50	50	ug/kg	
Indeno(1,2,3-cd)pyrene	< 29	29	ug/kg	
Naphthalene	< 25	25	ug/kg	
Phenanthrene	< 50	50	ug/kg	
Pyrene	< 50	50	ug/kg	



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Analytical Report

Client: FREE FLOW TECHNOLOGIES
Project ID: 449.88 Elgin
Sample ID: WW
Sample No: 19-2985-004

Date Collected: 05/17/19
Time Collected: 11:07
Date Received: 05/17/19
Date Reported: 05/24/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total		Method: 2540B		
Analysis Date: 05/20/19				
Total Solids	82.90		%	
BTEX Organic Compounds		Method: 5035A/8260B		
Analysis Date: 05/23/19				
Benzene	< 5.0	5.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Polynuclear Aromatic Hydrocarbons		Method: 8270C		
Analysis Date: 05/22/19				
		Preparation Method 3546		
Preparation Date: 05/21/19				
Acenaphthene	< 50	50	ug/kg	
Acenaphthylene	< 50	50	ug/kg	
Anthracene	< 50	50	ug/kg	
Benzo(a)anthracene	77.2	8.7	ug/kg	
Benzo(a)pyrene	53	15	ug/kg	
Benzo(b)fluoranthene	48	11	ug/kg	
Benzo(k)fluoranthene	46	11	ug/kg	
Benzo(ghi)perylene	< 50	50	ug/kg	
Chrysene	66	50	ug/kg	
Dibenzo(a,h)anthracene	< 20	20	ug/kg	
Fluoranthene	176	50	ug/kg	
Fluorene	< 50	50	ug/kg	
Indeno(1,2,3-cd)pyrene	35	29	ug/kg	
Naphthalene	< 25	25	ug/kg	
Phenanthrene	174	50	ug/kg	
Pyrene	132	50	ug/kg	



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Analytical Report

Client: FREE FLOW TECHNOLOGIES
Project ID: 449.88 Elgin
Sample ID: PT-N
Sample No: 19-2985-005

Date Collected: 05/17/19
Time Collected: 11:58
Date Received: 05/17/19
Date Reported: 05/24/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total Method: 2540B				
Analysis Date: 05/20/19				
Total Solids	91.95		%	
BTEX Organic Compounds Method: 5035A/8260B				
Analysis Date: 05/23/19				
Benzene	< 5.0	5.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Polynuclear Aromatic Hydrocarbons Method: 8270C				
Analysis Date: 05/22/19				
Preparation Method 3546				
Preparation Date: 05/21/19				
Acenaphthene	< 50	50	ug/kg	
Acenaphthylene	< 50	50	ug/kg	
Anthracene	< 50	50	ug/kg	
Benzo(a)anthracene	18.0	8.7	ug/kg	
Benzo(a)pyrene	15	15	ug/kg	
Benzo(b)fluoranthene	12	11	ug/kg	
Benzo(k)fluoranthene	18	11	ug/kg	
Benzo(ghi)perylene	< 50	50	ug/kg	
Chrysene	< 50	50	ug/kg	
Dibenzo(a,h)anthracene	< 20	20	ug/kg	
Fluoranthene	< 50	50	ug/kg	
Fluorene	< 50	50	ug/kg	
Indeno(1,2,3-cd)pyrene	< 29	29	ug/kg	
Naphthalene	< 25	25	ug/kg	
Phenanthrene	< 50	50	ug/kg	
Pyrene	< 50	50	ug/kg	



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Analytical Report

Client: FREE FLOW TECHNOLOGIES
Project ID: 449.88 Elgin
Sample ID: PT-S
Sample No: 19-2985-006

Date Collected: 05/17/19
Time Collected: 12:06
Date Received: 05/17/19
Date Reported: 05/24/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total Method: 2540B				
Analysis Date: 05/20/19				
Total Solids	91.40		%	
BTEX Organic Compounds Method: 5035A/8260B				
Analysis Date: 05/23/19				
Benzene	< 5.0	5.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Polynuclear Aromatic Hydrocarbons Method: 8270C				
Analysis Date: 05/22/19				
Preparation Method 3546				
Preparation Date: 05/21/19				
Acenaphthene	< 50	50	ug/kg	
Acenaphthylene	< 50	50	ug/kg	
Anthracene	79	50	ug/kg	
Benzo(a)anthracene	274	8.7	ug/kg	
Benzo(a)pyrene	210	15	ug/kg	
Benzo(b)fluoranthene	200	11	ug/kg	
Benzo(k)fluoranthene	196	11	ug/kg	
Benzo(ghi)perylene	139	50	ug/kg	
Chrysene	265	50	ug/kg	
Dibenzo(a,h)anthracene	38	20	ug/kg	
Fluoranthene	583	50	ug/kg	
Fluorene	< 50	50	ug/kg	
Indeno(1,2,3-cd)pyrene	149	29	ug/kg	
Naphthalene	< 25	25	ug/kg	
Phenanthrene	387	50	ug/kg	
Pyrene	444	50	ug/kg	



First Environmental Laboratories, Inc.
 1600 Shore Road, Suite D
 Naperville, Illinois 60563
 Phone: (630) 778-1200 • Fax: (630) 778-1233
 E-mail: firstinfo@firstenv.com • www.firstenv.com
 IEPA Certification #100292

CHAIN OF CUSTODY RECORD

Company Name: FREE FLOW TECHNOLOGIES
 Street Address: 4920 FOREST HILLS
 City: LAVERGNE PARK State: IL Zip: 60111
 Phone: 815-631-0116 e-mail:
 Send Report To: CHRIS P. ROSSOR
 Sampled By: CHRIS P. ROSSOR

Project I.D.: 449.88 ELEM1
 P.O. #: 449.88

Date/Time Taken	Sample Description	Matrix	BTX	PNAs	Hold - Do Not Analyze	Comments	Lab I.D.
5/17/99	NW	S	X	X			19-2985-001
" / 5/28	SW		X	X			002
" / 5/25	EW		X	X			004
" / 5/07	WW		X	X			005
" / 5/58	PT-N		X	X			006
" / 5/20	PT-S		X	X			

FOR LAB USE ONLY:
 Cooler Temperature: 0-1-6°C Yes No °C
 Received within 8 hrs. of collection: Yes No
 Ice Present: Yes No
 Sample Refrigerated: Yes No °C
 Refrigerator Temperature: _____ °C
 5035 Vials Frozen: Yes No
 Freezer Temperature: _____ °C

Notes and Special Instructions: _____

Relinquished By: [Signature] Date/Time: 1330 5/17/99
 Relinquished By: [Signature] Date/Time: 5/17/99 1336



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program Laboratory Certification for Chemical Analysis

A. Site Identification

IEMA Incident # (6- or 8-digit): 20190547 IEPA LPC# (10-digit): 0894385115
Site Name: Elgin Mental Health Center
Site Address (Not a P.O. Box): 750 South State Street
City: Elgin County: Kane ZIP Code: 60123

Leaking UST Technical File

B. Sample Collector

I certify that:

1. Appropriate sampling equipment/methods were utilized to obtain representative samples.
2. Chain-of-custody procedures were followed in the field.
3. Sample integrity was maintained by proper preservation.
4. All samples were properly labeled.

CCP
(Initial)
CCP
(Initial)
CCP
(Initial)
CCP
(Initial)

C. Laboratory Representative

I certify that:

1. Proper chain-of-custody procedures were followed as documented on the chain-of-custody forms
2. Sample integrity was maintained by proper preservation.
3. All samples were properly labeled.
4. Quality assurance/quality control procedures were established and carried out.
5. Sample holding times were not exceeded.

SSV
(Initial)
SSV
(Initial)
SSV
(Initial)
SSV
(Initial)
SSV
(Initial)

6. SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analyses.
7. An accredited lab performed quantitative analysis using test methods identified in 35 IAC 186.180 (for samples collected on or after January 1, 2003).

SSW
 (Initial)
 SS
 (Initial)

D. Signatures

I hereby affirm that all information contained in this form is true and accurate to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sample Collector

Name Cristopher Proctor

Title Project Manager / Vice President

Company Free Flow Technologies, Ltd.

Address 4920 Forest Hills Road

City Loves Park

State Illinois

Zip Code 61111

Phone (815) 936-0166

Signature *Cristopher Proctor*

Date 7-2-2019

Laboratory Representative

Name STAN ZAWORSKI

Title PROJECT MANAGER

Company First Environmental Laboratories, Inc.

Address 1600 Shore Road

City Naperville

State Illinois

Zip Code 60563

Phone (630) 778-1200

Signature *[Signature]*

Date 7/2/19

Attachment E:

OSFM Underground Storage Tank Removal Permit



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, IL 62703
 2177851020

FOR OFFICE USE ONLY
 Facility # 2008097
 Permit # 00420-2019REM
 Request Rec'd 03/07/2019
 Amended Date
 Approval Date 3/7/2019 DS
 Permit Expires 9/9/2019

Permit for REMOVAL of Underground Storage Tank(s) and Piping for Petroleum and Hazardous Substances.

Permission to remove underground storage tank(s) or piping is hereby granted. Such removal shall not commence until the contractor the permit was issued to or an employee of that contractor (this does not include a subcontractor) shall establish a date certain to perform the UST activity by contacting the Office of the State Fire Marshal, Division of Petroleum and Chemical Safety, at which time the UST activity shall be scheduled. **THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.**

<p>(1) OWNER OF TANKS - Corporation, partnership, or other business entity:</p> <p>Elgin Mental Health Center 750 S State St Elgin, IL 60123</p> <p>Contact: Greg Thorton (847) 871-7663</p>	<p>(2) FACILITY - name and address where tanks are located:</p> <p>Elgin Mental Health Ctr 750 S. State Street Elgin, IL 60123</p> <p>Contact: Greg Thornton (847) 871-7663</p>
---	--

(3) **REMOVAL OF TANKS:**

- (a) Number and size of tanks being removed: (TK # 8) - 1,000
- (b) Description/location of piping being removed:
- (c) Product to be stored in each tank: (TK # 8) - Diesel Fuel
- (d) Reason of tanks being removed:
- (e) If tank(s) is leaking, indicate IEMA incident number:
- (f) Date each tank was last used: (TK # 8) - 12/31/2005

(4) The owner must notify this Office when completion of tank removal has occurred, on the Notification for Underground Storage Tank Form. This form can be obtained at www.sfm.illinois.gov or by calling (217)785-1020. After removal is completed, the owner/operator shall perform a site assessment by measuring for the presence of a release where contamination is most likely to be present at the UST site. This is in accordance with the Illinois Administrative Code 176.360 (a) regulations and 40 CFR Part 280.72 (a) Federal Register Requirement.

(5) **SPECIAL CONTINGENCIES**: Clean and remove tank 8 and product piping to generator, perform all soil sampling beneath tank and lines.

(6) **PERSON, FIRM OR COMPANY PERFORMING WORK:**

Stenstrom Petroleum Services Group
 2422 Center Street
 Rockford, IL 61108

Contact Person: Robert Stenstrom
 Phone: (815) 398-6250
 Contractor Registration # IL1890 Exp. 3/7/2020

Sincerely,

Daniel Starks

cc: Storage Tank Safety Specialist
 Division File

Attachment F:

Disposal Documentation – Tank Fluids/Sludge

Please print or type.

Form Approved, OMB No. 2050-0039

UNIFORM WASTE MANIFEST		1. Generator ID Number 0434825101	2. Page 1 of	3. Emergency Response Phone (630) 529-0240	4. Manifest Tracking Number 020620383 JJK				
6. Generator's Name and Mailing Address North Branch Environmental 50 N. Garden Ave. Roselle, IL 60173 (630) 529-0240									
Generator's Site Address (if different than mailing address)									
6. Transporter 1 Company Name North Branch Environmental			U.S. EPA ID Number UJPM03504511L		U.S. EPA ID Number ILR000052977				
7. Transporter 2 Company Name									
U.S. EPA ID Number									
8. Designated Facility Name and Site Address Water Integrated Treatment Systems 14753 Greenwood Ave Dolton, IL 60419 (708) 680-6148									
U.S. EPA ID Number ILD045914269									
Facility's Phone:									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1.	Non-Hazardous Liquid			002 TT	800	G	TLIS	
	2.	FROM: 5-17-19							
	3.	ELGIN MENTAL HEALTH							
	4.	750 S. STATE ST ELGIN, IL 800 GAL							
14. Special Handling Instructions and Additional Information Work Order 122062									
15. GENERATOR'S/OFFICER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste manifest information identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name: <i>Steve Mack</i> Signature: <i>Steve Mack</i> Month: 5 Day: 17 Year: 19									
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:									
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: <i>Steve Mack</i> Signature: <i>Steve Mack</i> Month: 5 Day: 17 Year: 19									
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:									
18. Discrepancy									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number:									
Facility's Phone:									
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. 2. 3. 4.									
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a Printed/Typed Name: <i>Francisco Torres</i> Signature: <i>Francisco Torres</i> Month: 5 Day: 28 Year: 19									

Attachment G:
Photograph Documentation



Photograph 1: View facing east showing the area of the UST (May 17, 2019).



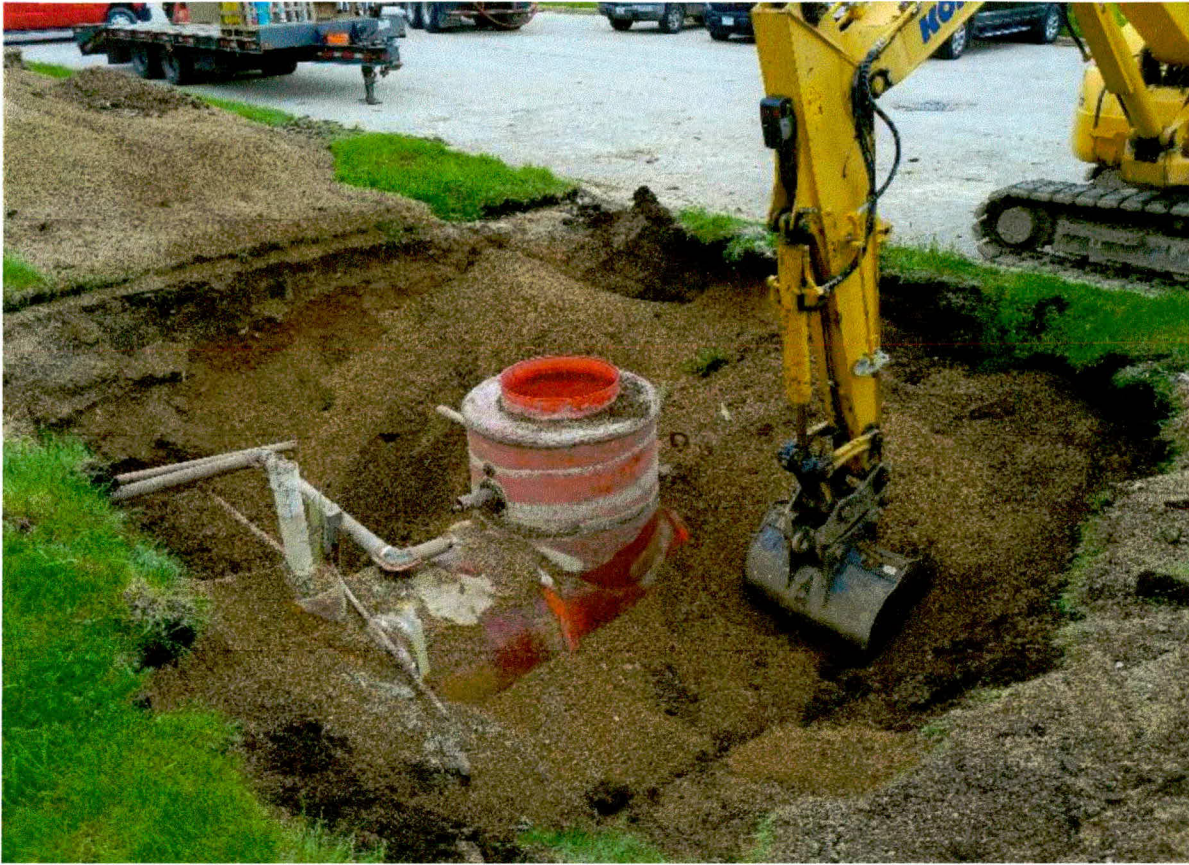
Photograph 2: View facing south showing the UST area (May 17, 2019). Note the vent line on the building.



Photograph 3: View facing west showing the area of the UST (May 17, 2019).



Photograph 4: View facing south showing the now uncovered tank, product line, and vent line (May 17, 2019).



Photograph 5: View facing northeast of the uncovered tank, product line, and vent line (May 17, 2019). Note the pea gravel/sand backfill.



Photograph 6: View facing south showing the uncovering and removal of the product and vent lines (May 17, 2019). Note the basement vents (grates in background).



Photograph 7: View facing southwest (May 17, 2019). Attaching chain to the 1,000-gallon diesel underground storage tank for removal.



Photograph 8: View facing southeast of the removal of the UST from the excavation (May 17, 2019). Note the hold-down straps are attached to a concrete pad that was left in-place.



Photograph 9: View facing southeast of the removal of the UST from the excavation (May 17, 2019).



Photograph 10: View of 1,000-gallon fiberglass UST removed from the excavation and placed for transportation to disposal facility (May 17, 2019).



Photograph 11: View showing the removal of product line to the south of the excavation (May 17, 2019).



Photograph 12: View facing north of the vent and product line removal (May 17, 2019).



Photograph 13: View facing north of piping and vent line removal (May 17, 2019).

LEAKING UST TECHNICAL REVIEW NOTES

Reviewed by: Scott McGill
Date Reviewed: August 13, 2019

Re: 0894385115 -- Kane County
Elgin/DHS Elgin Mental Health Center
750 South State Street
Leaking UST Incident 20190547
Leaking UST Technical File

Document(s) Reviewed:

This document consists of a 45 Day/CACR report dated July 17, 2019 and received by the Illinois EPA on July 26, 2019 and prepared by Free Flow Technologies, Ltd. This report was prepared in accordance with the 734 requirements and summarized as follows:

General Site Information:

Site subject to: 734

IEMA date(s): «IEMA Date»	Payment from the Fund? (Y/N/unknown): no
UST system removed? (Y/N): yes	OSFM Fac. ID #: 20190547
Encountered groundwater? (Y/N/unknown): no	SWAP mapping and evaluation completion date: August 13, 2019
Free product? (Y/N/unknown): no	Site placement correct in SWAP? (Y/N): yes
Current/past land use: Illinois Department of Human Services	Inspection Required? (Date/Plan): no
Size & product of USTs: 1-1,000 gallon diesel tank	
Is site located in EJ area? yes	Is investigation of indoor inhalation exposure route required? no
Has enough sampling been completed to perform a Right-to-Know Evaluation? no	PLA Checklist Complete? No

Corrective Action Completion Report Review Notes:

The owner/operator provided a 45 Day/CACR report to address a release of diesel fuel from a 1,000 gallon UST tank at the site. The tank was removed from the site however no backfill materials were transported off-site. The owner/operator completed early action activities consisting of collecting sidewall and piping line samples. No samples were collected from the floor of the excavation. A total of 6 soil samples were collected from the sidewall and piping lines. Sample locations are depicted in Figure 3. Samples were evaluated for the BTEX and PNA constituents and the results were compared to the Tier 1 cleanup objectives and backfill concentrations for metropolitan area. The results were below the cleanup objectives.

EPA - DIVISION OF SOLID WASTE MANAGEMENT
RELEASEABLE

AUG 26 2019

REVIEWER: JMR

Illinois EPA Decision:

The owner/operator must collect soil samples from the floor of the excavation in accordance with 35 IAC 734.210(h). Also, samples of the backfill materials must be collected. It should be noted that prior to issuance of the NFR letter that a completed property declaration summary form must be submitted to the Illinois EPA.

The 45 Day Report should be approved.

Response Due:

The corrective action completion report should be denied since soil samples were not collected from the floor of the excavation and backfill materials.

0894385115 - Kane County
Elgin/DHS Elgin Mental Health Center
750 South State Street
Leaking UST Incident 20190547
Leaking UST Technical File

Right-to-Know Evaluation

The Bureau of Land site identified above has been reviewed. A check mark next to any one of the following criteria indicates further evaluation of the site is necessary.

CRITERIA:

- Groundwater contamination is measured or modeled to exceed, within the setback zone or regulated recharge area of a potable Community Water Supply (CWS) well, or setback zone of a private well or non-CWS well, either TACO Tier 1 groundwater remediation objectives under Part 742, Appendix B, Table E or Class I groundwater standards under Part 620; or Five or fewer properties More than five properties
- Measured off-site groundwater contamination from volatile chemicals from the site where a release occurred poses a threat of indoor inhalation exposure above appropriate Tier 1 remediation objectives for the current use of the site; or Five or fewer properties More than five properties
- Soil contamination exceeding applicable remediation objectives for the soil component of the groundwater ingestion route is modeled to exceed, within the setback zone or regulated recharge area of a potable Community Water Supply (CWS) well, or setback zone of a private well or non-CWS well, either TACO Tier 1 groundwater remediation objectives under Part 742, Appendix B, Table E or Class I groundwater standards under Part 620; or Five or fewer properties More than five properties
- Contaminated soil is measured off-site to exceed the appropriate Tier 1 remediation objectives based on the current use of the off-site property; or Five or fewer properties More than five properties
- Measured off-site soil gas contamination from the site where the release occurred poses a threat of exposure above the appropriate Tier 1 remediation objectives for the current use of the site; or Five or fewer properties More than five properties
- BOL refers a matter to the Division of Legal Counsel for enforcement under Section 43(a) of the Act; or
- BOL refers a site to the Division of Legal Counsel for issuance of a seal order under Section 34(a) of the Act.

Comments:

- Has this site been referred to CEG before? «Y/N» Is a second referral warranted? «Y/N»
Reason for second referral: Additional Contaminants Expanded Plume Other: «Other Reasons»
- At least one of the above criteria is met and the above-identified site must be further evaluated.
- Insufficient information submitted to make an adequate RTK decision.
- None of the above criteria are met and the above-identified site does not warrant any further evaluation.

Project Manager Signature: 

Date: 8/13/19



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

(217) 524-3300

CERTIFIED MAIL

7015 0640 0004 7788 3833

AUG 20 2019

Elgin Mental Health Center
Attn: David Arvans
750 South State Street
Elgin, IL 60123

Re: 0894385115 -- Kane County
Elgin/DHS Elgin Mental Health Center
750 South State Street
Leaking UST Incident 20190547
Leaking UST Technical File

EPA - DIVISION OF RECORDS MANAGEMENT
RELEASABLE
SEP 20 2019
REVIEWER KAJ

Dear Mr. Arvans:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the 45-Day Report/Corrective Action Completion Report (report) submitted pursuant to Section 57.6 of the Environmental Protection Act (415 ILCS 5) (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code) 734.Subpart B. The report was dated July 17, 2019 and was received by the Illinois EPA on July 26, 2019.

<p>SENDER: COMPLETE THIS SECTION</p> <ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse, so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>COMPLETE THIS SECTION ON DELIVERY</p> <p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee <i>[Signature]</i></p> <p>B. Received by (Printed Name) <input type="checkbox"/> Date of Delivery MHAZPSR 8-22-19</p> <p>D. Is delivery address different from Item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> <p>SM 20190547</p>
<p>Elgin Mental Health Center Attn: David Arvans 750 South State Street Elgin, IL 60123</p> <p>9590 9403 0271 5155 6948 93</p>	<p>3. Service Type</p> <ul style="list-style-type: none"> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery
<p>2. Article Number (Transfer from service label) 7015 0640 0004 7788 3833</p>	
<p>PS Form 3811, April 2015 PSN 7530-02-000-9053</p>	

7015 0640 0004 7788 3833

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<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Ad	\$ _____

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 \$ _____

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 Elgin Mental Health Center
 Attn: David Arvans
 750 South State Street
 Elgin, IL 60123

City, State, ZIP+4[®]

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SPRINGFIELD IL 62703
AUG 20 2019

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**Illinois Environmental
 Protection Agency**
P.O. BOX 19276 MAIL CODE #
SPRINGFIELD, IL 62794-9276

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

(217) 524-3300

CERTIFIED MAIL

7015 0640 0004 7788 3833

AUG 20 2019

Elgin Mental Health Center
Attn: David Arvans
750 South State Street
Elgin, IL 60123

Re: 0894385115 -- Kane County
Elgin/DHS Elgin Mental Health Center
750 South State Street
Leaking UST Incident 20190547
Leaking UST Technical File

IEPA - DIVISION OF RECORDS MANAGEMENT
RELEASABLE

SEP 16 2019

REVIEWER: JMR

Dear Mr. Arvans:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the 45-Day Report/Corrective Action Completion Report (report) submitted pursuant to Section 57.6 of the Environmental Protection Act (415 ILCS 5) (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code) 734.Subpart B. The report was dated July 17, 2019 and was received by the Illinois EPA on July 26, 2019.

Pursuant to Section 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(a), the Illinois EPA hereby notifies the owner or operator that the report is rejected for the reason(s) described below:

1. Pursuant to 35 Ill. Adm. Code 734.210(h)(1)(B), the owner/operator must collect 2 soil samples from the excavation floor below each underground storage tank with a volume of 1,000 gallons or more and representative of the soil that is the most contaminated as a result of the release.
2. Pursuant to 35 Ill. Adm. Code 734.210(h)(1)(D), the owner/operator must collect one representative sample of the backfill for each 100 cubic yards of the backfill returned to the excavation.

Please note that a completed property declaration summary form must be submitted to the Illinois EPA prior to issuance of the No Further Remediation Letter.

It should be noted that the 45-Day Report is approved pursuant to Section 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(a); therefore, the 45-day reporting requirements of 35 Ill. Adm. Code 734.210(e) have been satisfied. This action does not constitute any decision or determination regarding the timeliness of the submittal of the 45-Day Report, nor does it waive or otherwise preclude any enforcement action the Illinois EPA may initiate in response to such a

4302 N. Main Street, Rockford, IL 61103 (815) 987-7760
595 S. State Street, Elgin, IL 60123 (847) 608-3131
2125 S. First Street, Champaign, IL 61820 (217) 278-5800
2009 Mall Street Collinsville, IL 62234 (618) 346-5120

9511 Harrison Street, Des Plaines, IL 60016 (847) 294-4000
412 SW Washington Street, Suite D, Peoria, IL 61602 (309) 671-3022
2309 W. Main Street, Suite 116, Marion, IL 62959 (618) 993-7200
100 W. Randolph Street, Suite 4-500, Chicago, IL 60601

Page 2

violation.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have questions or need further assistance, please contact Scott McGill at (217) 524-5137.

Sincerely,



Michael T. Lowder
Unit Manager
Leaking Underground Storage Tank Program
Remedial Project Management Section
Bureau of Land

Attachment: Appeal Rights

KEK

c: Cristopher Proctor, Free Flow Technologies, Ltd. (electronic copy)
BOL File

Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period of time not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

John Therriault, Assistant Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
312/814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276
217/782-5544

0894385115
ELGIN MHC
SR/Tech
2/2
11/23/2005

APPENDIX C
SAMPLING PROTOCOLS,
SOIL BORING &
GROUNDWATER MONITORING
WELL LOGS

PROTOCOL FOR SUBSURFACE SOIL SAMPLING

Subsurface samples are collected by employing various soil boring techniques based on certain site-specific conditions. Soil borings are performed using a Hollow or Solid Stem (site-specific) auger with split-spoon sampling techniques, a hydraulic percussive split-spoon sampler, a percussive Macro-Core® barrel sampler, and/or a stainless steel hand auger. The soil sampling activities are conducted in accordance with American Society of Testing and Materials (ASTM) standards (ASTM:D 1586). Soil samples are collected with a stainless steel hand auger, a split-spoon sampler, and/or a Macro-Core® sampler at 2-3 foot intervals depending on the specific method used. In the split-spoon sampling procedures, a split-barrel sampler having either a 2-inch or 1-3/16 inch outside diameter, an inside diameter of 1-3/8 or 7/8 inches, and a length of 2.5 or 3 feet is driven into the soil to collect a representative and undisturbed sample. In the Macro-Core® barrel sampling technique, a stainless steel barrel having a 2-inch outside diameter, an inside diameter of 1-1/2 inches, and a length of 2 or 3 feet is fitted with a PVC liner and is driven into the soil to collect a representative and undisturbed sample.

The drilling activities are directed by a Pioneer Field Project Geologist/Engineer who observes the drilling activities and logs each soil interval encountered during drilling according to their predominant geological characteristics. In addition, the Field Project Geologist/Engineer field screens soil samples and supervises sample collection for laboratory analysis.

The soil samples obtained from each boring interval are divided into two representative portions by Pioneer personnel. One representative portion of soil from each interval is placed in an unused, airtight plastic bag that is sealed and dedicated for field screening. The other undisturbed portion of the soil sample is placed directly in laboratory-provided glassware. Furthermore, all soil samples are handled in accordance with the US EPA's SW-846 Method 5035 if collected from a boring location where any volatile organic compounds (VOCs) are a contaminant of concern. After the soil is removed from the borehole, samples selected for VOC laboratory analysis are immediately collected using EasyDraw Syringes™ and a Powerstop Handle™ and placed in laboratory-provided 40-ml vials with applicable preservative.

Each sample is examined in the field for odor and visual evidence of hydrocarbon or other organic contamination. The field screening samples are allowed to achieve a constant temperature and the headspace above each sample is screened for VOCs using either a Photovac MP-1000 handheld air monitor / photoionization detector (PID) or a Photovac IS 3000 handheld air monitor / flame ionization detector (FID), depending on the nature of the targeted contaminants. The PID/FID are devices that are sensitive to a variety of VOCs and provide a qualitative indication of the relative concentrations of these compounds in the soil samples by measuring the amount of VOCs trapped in the headspace of the dedicated sample bags. The headspace is screened by inserting the PID/FID probe into the space above the soil and recording the maximum reading of the instrument. The results of the field observations and headspace screening are noted on the soil boring logs.

Any soil samples chosen for analysis are packed in appropriate containers, properly labeled, submitted to an independent laboratory under standard chain-of-custody procedures, and

analyzed for the appropriate targeted compounds. Samples are selected for analysis based on the scope of work, field observations (i.e. visual/odor observations, elevated PID readings, etc.), other site-specific conditions, and the judgment of the Pioneer Field Project Geologist/Engineer.

Drill cuttings and liquids generated are left at the borehole. All boreholes are decommissioned in accordance with applicable Illinois Department of Public Health guidelines. When required, these spoils are contained in 55-gallon Type 17H drums. Decontamination procedures for the drilling equipment consists of steam cleaning the augers after each boring using a biodegradable detergent and high-pressure steam rinse. The split-spoon samplers are decontaminated between each sample interval by washing in a solution of Alconox and water, and triple rinsing with clean heated water.

Any deviations to or modifications of this standard protocol will be described on a site by site basis.

GROUNDWATER MONITORING WELL INSTALLATION & SAMPLING PROTOCOL

Groundwater monitoring wells are typically installed using hollow stem auger borings. When spatial constraints dictate, wells may be installed using manual hand-augering techniques, or other acceptable practices. Soil sampling conducted during well installation is performed according to Pioneer's Subsurface Soil Sampling Protocol. The activities are directed by Pioneer's Field Project Geologist/Engineer, who logs geologic materials encountered, field screens auger cuttings and soil samples, and supervises the drilling activities and well installations. All drilling equipment and tools are steam-cleaned prior to mobilization onto the site, between boreholes, and upon completion of the drilling program. In accordance with Pioneer's Site Safety Plan, a PID or FID is used to monitor ambient air concentrations during sampling activities, and personal protective equipment is utilized by site personnel as necessary.

Wells are constructed of 2-inch I.D. schedule 40 flushjoint PVC riser and screen. The well materials are steam-cleaned prior to installation. When the depth of the well allows, the annular space surrounding the screen is backfilled with silica sand filter pack to a height not less than 1 foot above the top of the well screen, and a minimum of one foot of bentonite is placed above the filter pack to provide a low permeability seal. The remaining annulus is sealed with a cement/bentonite grout to the ground surface. Well screens are positioned to monitor selected areas of the water column based on site specific contaminant conditions. The position of the screened interval relative to the water table is determined based on the presence of water/moisture in the soil samples retrieved during sampling, and the water levels observed during/after the drilling activities. When possible, the top of the screen is positioned at least one foot above the estimated water level to account for fluctuations in the water table. All wells are completed with flush-mounted protective casings and locking well caps or "stick-up" locking protective casings (depending upon site traffic) and secured with concrete at the surface. The majority of the wells are installed near suspected source areas to evaluate contaminant conditions and determine the direction of groundwater flow.

After installation, each well is developed using a new disposable Teflon[®], PVC, or high-density polyethylene (HDPE) bailer, or a stainless steel submersible pump. Approximately 5-10 well volumes of water are purged from each well, until the well water is visually clear of suspended sediments or until further yield cannot be achieved. If a stainless steel pump is used during well development, it is decontaminated between wells using a tri-sodium phosphate (TSP) wash and triple water rinse. An elevation survey is also conducted to obtain well casing elevations for calculating groundwater elevations. An arbitrary site datum of 100.00 feet or referenced sea-level elevation is used as a benchmark to initiate the survey, and well casing elevations are measured to the nearest 0.01 feet relative to the established benchmark using standard surveying techniques.

Water levels are allowed to recharge to static conditions prior to the collection of groundwater samples or elevation data, to ensure the collection of accurate and representative data. Water level measurements are recorded to the nearest 0.01 feet using a Sonic Interface Probe, and are compared with the respective casing elevations to calculate water level elevations and apparent groundwater flow directions. Measurable thicknesses of free product are also recorded during well gauging activities when present. Sample collection is accomplished following well development using a new disposable Teflon®, PVC or HDPE bailer for each well. If wells have been previously developed/sampled and are being re-sampled, they are purged of 3-5 well volumes of water from each well, or until further yield cannot be achieved, using techniques similar to those for well development. The groundwater samples are carefully decanted into appropriately-sized and properly-preserved laboratory provided sample containers, and labeled to identify the sample number/location, date, and sampling personnel. The samples are subsequently packed in a cooler on ice, and shipped overnight to an independent laboratory under standard chain of custody procedures for possible analysis of the appropriate COCs.

Quality Assurance/Quality Control (QA/QC) procedures for field sampling techniques are performed on a site-by-site basis per scope of work considerations and contract obligations. Any deviations to or modifications of this standard protocol will be described on a site-by-site basis.

LOW FLOW GROUNDWATER SAMPLING PROTOCOL

Due to site specific conditions (i.e., geology, hydrogeology, and contaminants of concern), Pioneer may perform low-flow groundwater sampling at specific wells at the subject property. Typical groundwater sampling involves the use of either disposable bailers or high speed pumps. These sampling methods frequently provide acceptable groundwater samples for analysis; however, at some sampling locations these methods provide groundwater samples with high turbidity. This turbidity is caused by the presence of suspended particles in the water sample. Groundwater samples exhibiting turbidity provide suspect analytical results as it will be unclear if analytically detected compounds are dissolved (i.e., the true groundwater concentration of the targeted compound) or suspended (i.e., the groundwater concentration due to the turbidity) in the groundwater. Low-flow groundwater sampling is a widely accepted sampling method employed as a method of limiting the turbidity of groundwater samples.

Pioneer utilized an In-Situ Flow Sense low-flow groundwater sampling system and ASTM Method D6771 for all low-flow sampling events. The Flow Sense system utilized a variable speed low flow water pump, a MP Troll 9000 multi-parameter probe, and a precision flow cell that incorporates the multi-parameter probe. After determining the distance to groundwater using a sonic interface probe, Pioneer inserted the low-flow pump to a level slightly above the midpoint of the water column (for confined aquifers) or near the top of the water column (for unconfined aquifers). Pioneer purged 3-5 well volumes using a flow rate of 0.1 to 0.5 liters/min. The water level was continuously monitored with the sonic interface probe and the flow rate modified in order to minimize drawdown at the well.

After the appropriate volume of water was purged from the well, groundwater samples were collected. Using the same low-flow pump, the groundwater discharge line was connected to the inlet valve of the flow cell and the properly calibrated multi-parameter probe was inserted into the cell. Pioneer utilized the Flow Sense software, which continuously monitors data from the probe (i.e., dissolved oxygen, turbidity, specific conductance, dissolved oxygen, red-ox potential, and temperature), in order to determine when groundwater in the well has stabilized. When the Flow Sense software indicated that statistically valid stabilization characteristics were achieved, the groundwater samples were carefully decanted into appropriately-sized and properly-preserved laboratory provided sample containers, and labeled to identify the sample number/location, date, and sampling personnel. The samples were packed in a cooler on ice, and subsequently retrieved (on the same day or as soon as practicable) by the contract laboratory under standard chain of custody procedures for possible analysis of the appropriate COCs.

Quality Assurance/Quality Control (QA/QC) procedures for field sampling techniques are performed on a site-by-site basis per scope of work considerations and contract obligations. Any deviations to or modifications of this standard protocol will be described on a site-by-site basis.



Boring Log

Boring No.: B-101

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/21/04

Date End: 07/21/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
7.5	80%					FILL (topsoil, brown/black organic clay, & trace gravel)	No Odor, No Visual
4.6	80%		5				No Odor, No Visual
27.4	80%			Fill			No Odor, No Visual
24.7	90%		10				No Odor, No Visual
13.7	90%		15	CL			No Odor, No Visual
26.4	90%			CL		Firm Blackish/Green CLAY 15-17ft Soft Black Organic CLAY, 17-18ft Light Brown Medium Firm CLAY	No Odor, No Visual
<1	75%		20	CL		Blackish/Brown Sandy CLAY (trace gravel)	No Odor, No Visual
<1	50%			SP		Soft Moist Light Brown SAND (trace gravel)	No Odor, No Visual
<1	60%		25				No Odor, No Visual
						Boring Terminated@27ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-101B

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/21/04

Date End: 07/21/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
-	80%					FILL (topsoil, brown/black organic clay, & trace gravel)	No Odor, No Visual
-	80%		5	Fill			No Odor, No Visual
						Boring Terminated@6ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-102

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/21/04

Date End: 07/21/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
9.4	60%					FILL (topsoil, soft brown/black organic clay)	No Odor, No Visual
<1	25%		5	Fill			No Odor, No Visual
3.2	70%						No Odor, No Visual
5.3	40%		10	SP		Light Brown Fine Grain SAND (trace gravel), resistance@15ft	No Odor, No Visual
<1	40%						No Odor, No Visual
			15			Boring Terminated@15ft	

Completion Notes:
No Sample Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-103

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/21/04

Date End: 07/21/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
2.4	90%		5	Fill		FILL (topsoil, soft brown/black organic clay)	No Odor, No Visual
<1	90%						No Odor, No Visual
<1	90%						No Odor, No Visual
4.9	50%		10	CL		Gray/Black Medium Firm CLAY	No Odor, No Visual
3.9	70%		15	SP		Fine Grain SAND (trace gravel)	No Odor, No Visual
12.2	60%						No Odor, No Visual
Boring Terminated@18ft							

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA Water Depth After Drilling:

Project Number: 04-1211-101 Page 1



Boring Log

Boring No.: B-104

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/21/04

Date End: 07/21/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
4.7	90%		5	Fill		FILL (topsoil, soft sandy brown/black organic clay)	No Odor, No Visual
12.9	90%						No Odor, No Visual
2.3	80%			CL		Soft Black Clay	No Odor, No Visual
<1	90%		10	SP		Light Brown Fine Grain Moist SAND	No Odor, No Visual
<1	85%						No Odor, No Visual
			15			Boring Terminated@15ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-105

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/21/04

Date End: 07/21/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	90%			Fill		FULL (topsoil, firm brownish/black moist clay)	No Odor, No Visual
<1	50%		5				No Odor, No Visual
<1	60%			CL		Soft Black Moist CLAY	No Odor, No Visual
2.8	70%		10				No Odor, No Visual
<1	60%		15				No Odor, No Visual
						Boring Terminated@15ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-106

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/21/04

Date End: 07/21/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
3.8	70%		5	Fill		FILL (topsoil, firm brownish/black moist clay)	No Odor, No Visual
3.5	70%						
11.2	70%		10	CL		Brownish/Black Moist CLAY	No Odor, No Visual
20.6	80%						
5.3	90%		15	CL		Firm Black Moist CLAY	No Odor, No Visual
4.4	50%						
				SP		Moist Light Brown SAND	No Odor, No Visual
						Boring Terminated@18ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-107

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
23.5	70%			Fill		FILL (topsoil, cinders, trace gravel, & soft black clay)	No Odor, No Visual
21.2	70%		5	CL		Firm Black/Brown Medium Firm CLAY	No Odor, No Visual
6.4	70%			CL		Firm Brown/Black CLAY	No Odor, No Visual
<1	80%		10			Fine Grain Moist SAND	No Odor, No Visual
<1	90%		15	SP			No Odor, No Visual
						Boring Terminated@15ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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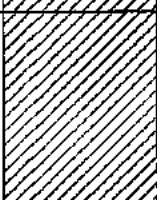
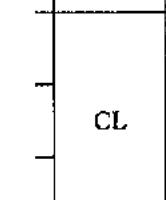
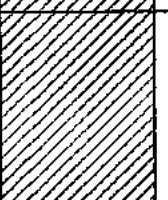

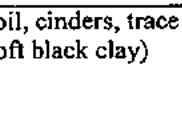
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Boring No.: B-107B

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
23.5	70%			Fill		FILL (topsoil, cinders, trace gravel, & soft black clay)	No Odor, No Visual
21.2	70%		5	CL		Firm Black/Brown Medium Firm CLAY	No Odor, No Visual
6.4	70%			CL		Firm Brown/Black CLAY	No Odor, No Visual
<1	80%		10	SP		Fine Grain Moist SAND	No Odor, No Visual
<1	90%						No Odor, No Visual
			15			Boring Terminated@15ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-108

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	90%			Fill		FILL (topsoil, trace gravel, & soft brown clay)	No Odor, No Visual
<1	80%		5	CL		Firm Black/Brown Silty CLAY	No Odor, No Visual
<1	80%			CL		Firm Brown/Black CLAY	No Odor, No Visual
<1	70%		10	SP		Fine Grain Moist Light Brown SAND	No Odor, No Visual
<1	70%		15			Boring Terminated@15ft	No Odor, No Visual

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-109

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	90%			Fill		FILL (topsoil, trace gravel, & soft brown clay)	No Odor, No Visual
<1	80%		5	CL		Firm Black/Brown CLAY (trace gravel)	No Odor, No Visual
<1	50%					Dark Brown Sand	No Odor, No Visual
<1	50%		10	SP			No Odor, No Visual
<1	50%		15			Boring Terminated@15ft	No Odor, No Visual

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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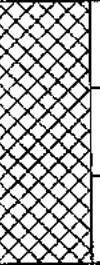
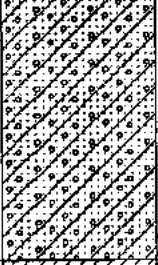
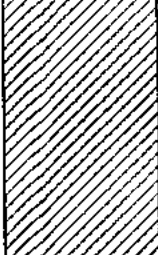
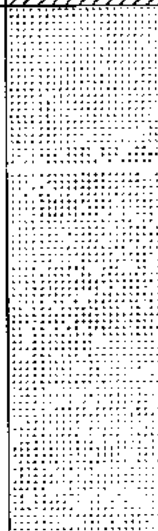
Boring Log

Boring No.: B-110

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	80%		5	Fill		FILL (concrete 0-5", black medium firm clay, & trace gravel)	No Odor, No Visual
<1	80%			CL		Soft Black/Brown CLAY	No Odor, No Visual
<1	90%		10	SP		Dark Brown Moist Sand	No Odor, No Visual
<1	50%					Boring Terminated@12ft	No Odor, No Visual

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-111

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	80%		5	Fill		FILL (concrete 0-5", black medium firm clay, & trace gravel)	No Odor, No Visual
<1	80%		5	CL		Soft Black/Brown CLAY	No Odor, No Visual
<1	90%		10	SP		Dark Brown Moist Sand	No Odor, No Visual
<1	50%		10	SP		Dark Brown Moist Sand	No Odor, No Visual
						Boring Terminated@12ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA Water Depth After Drilling:

Project Number: 04-1211-101

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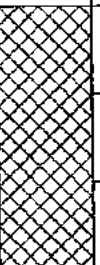
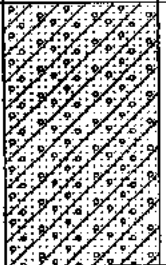
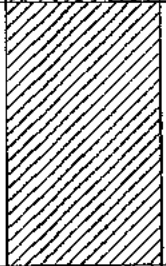
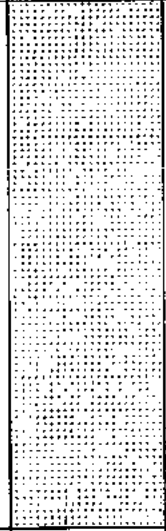
Boring Log

Boring No.: B-112

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	60%			Fill		FILL (topsoil, gray/black firm clay, & trace gravel)	No Odor, No Visual
<1	60%		5	CL		Firm Light Brown CLAY (trace sand)	No Odor, No Visual
<1	70%			SP		Light Gray/Brown Sand (trace gravel)	No Odor, No Visual
<1	50%		10				No Odor, No Visual
						Boring Terminated@12ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-113

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	60%			Fill		FILL (topsoil, gray/black firm clay, & trace gravel)	No Odor, No Visual
<1	80%		5	CL		Firm Black/Brown CLAY (trace sand)	No Odor, No Visual
<1	90%			CL		Firm Light Brown Silty CLAY	No Odor, No Visual
<1	90%		10	CL			No Odor, No Visual
						Boring Terminated@12ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA Water Depth After Drilling:

Project Number: 04-1211-101

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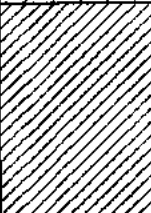
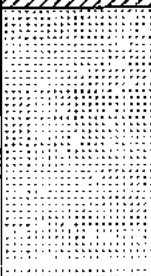
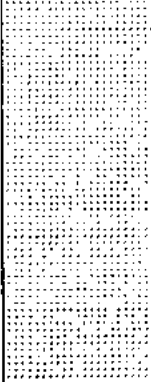
Boring Log

Boring No.: B-114

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	60%			Fill		FILL (topsoil, gray/black firm clay, & trace gravel)	No Odor, No Visual
<1	80%		5	CL		Firm Black/Brown Moist CLAY (trace gravel)	No Odor, No Visual
<1	90%					Light Brown Moist SAND (trace gravel)	No Odor, No Visual
<1	90%		10	SP			No Odor, No Visual
<1	50%		15			Boring Terminated@15ft	No Odor, No Visual

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-115

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	70%			Fill		FILL (topsoil, gray/black firm clay, & trace gravel)	No Odor, No Visual
<1	60%		5	CL		Soft Black/Brown Moist CLAY	No Odor, No Visual
<1	70%					Soft Light Brown Moist CLAY	No Odor, No Visual
<1	60%		10	CL			No Odor, No Visual
<1	60%		15			Boring Terminated@15ft	No Odor, No Visual

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA Water Depth After Drilling:

Project Number: 04-1211-101

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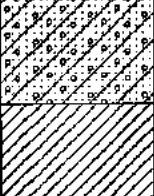
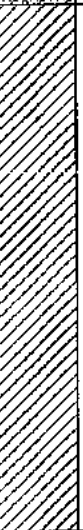
Boring Log

Boring No.: B-116

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	60%		5	Fill		FILL (topsoil, sand, & trace gravel)	No Odor, No Visual
<1	40%						No Odor, No Visual
<1	90%		10	CL		Firm Dark Black CLAY	No Odor, No Visual
<1	90%						No Odor, No Visual
						Boring Terminated@12ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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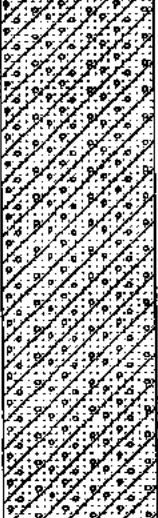
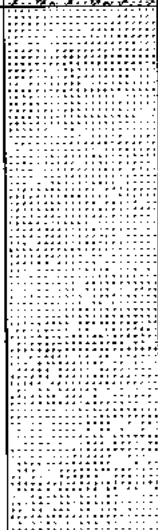
Boring Log

Boring No.: B-117

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	90%			Fill		FILL (topsoil, sand, & trace gravel)	No Odor, No Visual
<1	80%		5				No Odor, No Visual
<1	90%			SP		Light Brown Moist SAND	No Odor, No Visual
<1	40%		10				No Odor, No Visual
						Boring Terminated@12ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-118

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/22/04

Date End: 07/22/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	90%			Fill		FILL (topsoil, sand, & trace gravel)	No Odor, No Visual
<1	80%		5				No Odor, No Visual
<1	90%					Firm Sandy Black CLAY	No Odor, No Visual
<1	80%		10	CL			No Odor, No Visual
			15			Boring Terminated@15ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-119

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/26/04

Date End: 07/26/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	90%			Fill		FILL (topsoil, clay, & trace gravel)	No Odor, No Visual
<1	80%		5				No Odor, No Visual
<1	90%			CL		Light Brown/Black Soft CLAY (trace sand) (moist@8ft)	No Odor, No Visual
<1	80%		10				No Odor, No Visual
<1	90%			SP		Light Brown Moist SAND	No Odor, No Visual
			15			Boring Terminated@15ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-120

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/26/04

Date End: 07/26/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	60%			Fill		FILL (topsoil, clay, & trace gravel)	No Odor, No Visual
<1	80%		5	CL		Light Brown/Black Soft CLAY (trace sand) (moist@8ft)	No Odor, No Visual
<1	60%			CL			No Odor, No Visual
<1	80%		10	SP		Light Brown Moist SAND	No Odor, No Visual
						Boring Terminated@12ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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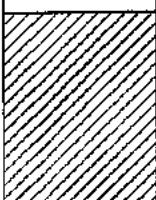
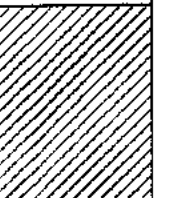
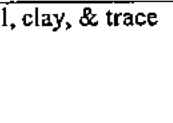
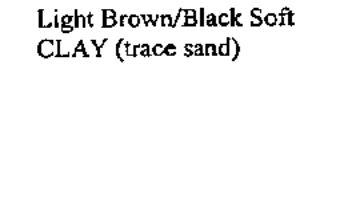
Boring Log

Boring No.: B-121

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/26/04

Date End: 07/26/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	90%			Fill		FILL (topsoil, clay, & trace gravel)	No Odor, No Visual
<1	80%		5				No Odor, No Visual
<1	90%			CL		Light Brown/Black Soft CLAY (trace sand)	No Odor, No Visual
<1	80%		10				No Odor, No Visual
<1	90%			SP		Brown Moist SAND	No Odor, No Visual
			15			Boring Terminated@15ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-122

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/26/04

Date End: 07/26/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	70%			Fill		FILL (topsoil, clay, & trace gravel)	No Odor, No Visual
<1	70%		5				No Odor, No Visual
<1	70%			CL		Light Brown/Black Soft CLAY (trace sand)	No Odor, No Visual
<1	50%		10	Brown Moist Sandy CLAY (trace gravel)			No Odor, No Visual
312	60%		15	CL			Petroleum Smell, No Visual
240	60%						Petroleum Smell, No Visual
						Boring Terminated@18ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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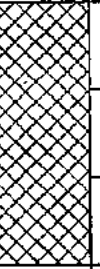
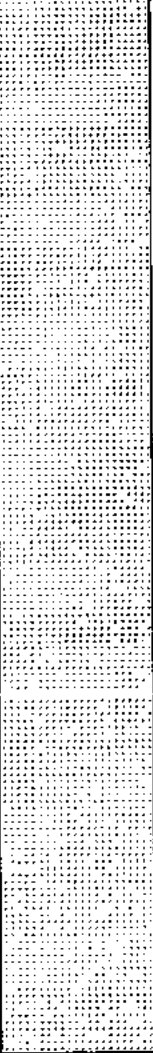
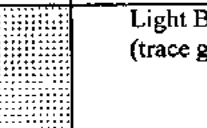
Boring Log

Boring No.: B-123

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/26/04

Date End: 07/26/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	50%					Light Brown Moist SAND (trace gravel)	No Odor, No Visual
<1	80%		5				No Odor, No Visual
<1	30%			SP			No Odor, No Visual
<1	30%		10				No Odor, No Visual
						Boring Terminated@12ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-124

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/26/04

Date End: 07/26/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	50%			Fill		FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	70%		5	CL		Soft Brown Moist CLAY (trace sand)	No Odor, No Visual
<1	80%						No Odor, No Visual
<1	40%		10	SP		Light Brown Moist SAND	No Odor, No Visual
<1	30%		15				No Odor, No Visual
						Boring Terminated@16ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-125

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/26/04

Date End: 07/26/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	70%			Fill		FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	60%		5	CL		Soft Brown Moist CLAY (trace sand)	No Odor, No Visual
<1	80%						No Odor, No Visual
<1	40%		10	SP		Light Brown Moist SAND (trace gravel)	No Odor, No Visual
<1	30%		15			Boring Terminated@15ft	No Odor, No Visual

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-126

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/26/04

Date End: 07/26/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	80%			Fill		FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	70%		5			Blackish/Brown Silty CLAY	No Odor, No Visual
<1	80%			CL			No Odor, No Visual
<1	70%		10				No Odor, No Visual
<1	40%			CL		Sandy Brown Moist CLAY	No Odor, No Visual
			15			Boring Terminated@15ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-127

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/26/04

Date End: 07/26/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	90%			Fill		FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	90%		5			Blackish/Brown Silty CLAY	No Odor, No Visual
<1	80%			CL			No Odor, No Visual
<1	70%		10				No Odor, No Visual
<1	70%			CL		Sandy Black Moist CLAY	No Odor, No Visual
			15			Boring Terminated@15ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA Water Depth After Drilling:

Project Number: 04-1211-101

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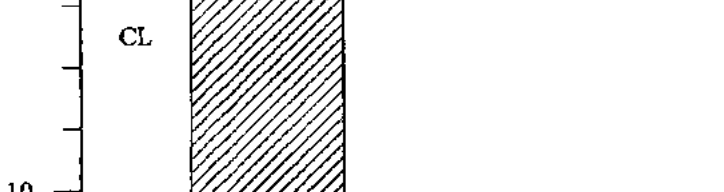
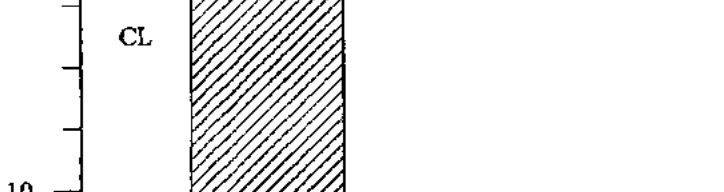
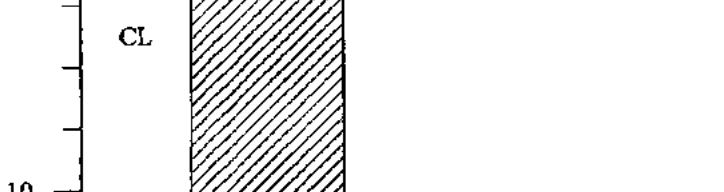
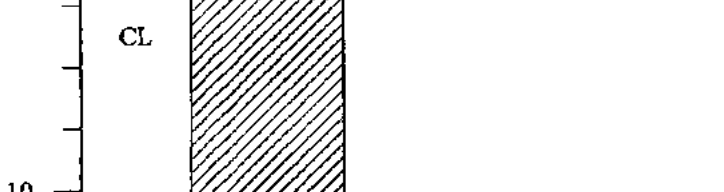
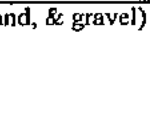
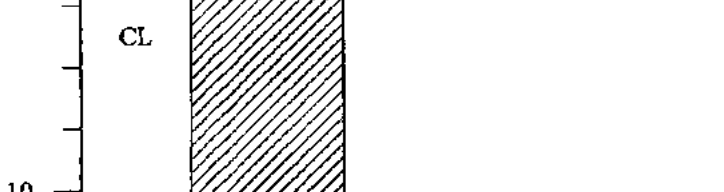
Boring Log

Boring No.: B-128

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/26/04

Date End: 07/26/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	90%			Fill		FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	90%		5			Blackish/Brown Silty CLAY	No Odor, No Visual
<1	80%			CL			No Odor, No Visual
<1	70%		10				No Odor, No Visual
<1	70%			CL		Sandy Black Moist CLAY	No Odor, No Visual
<1	70%		15	CL			No Odor, No Visual
						Boring Terminated@18ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-129

Site: **Elgin MHC**
 SW Rte. 20 & 31
 Elgin, Illinois

Date Begin: 07/27/04

Date End: 07/27/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	80%			Fill		FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	70%		5	CL		Firm Black CLAY (trace gravel)	No Odor, No Visual
<1	80%						No Odor, No Visual
<1	70%		10	CL		Dark Brown Soft Silty CLAY	No Odor, No Visual
<1	40%		15			Boring Terminated@15ft	No Odor, No Visual

Completion Notes:
 Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-129B

Site: **Elgin MHC**
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	80%			Fill		FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	70%		5	CL		Firm Black CLAY (trace gravel)	No Odor, No Visual
						Boring Terminated@6ft	

Completion Notes:
 Hatched Pattern Indicates Samples Analyzed

Drill Rig: **Simco EarthProbe**

Driller: **J. Valadez**

Geologist: **T. Schwartzers**

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-129C

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/26/04

Date End: 08/26/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	80%			Fill		FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	70%		5	CL		Firm Black CLAY (trace gravel)	No Odor, No Visual
						Boring Terminated@6ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-130

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/27/04

Date End: 07/27/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	90%					FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	90%		5	Fill			No Odor, No Visual
<1	60%						No Odor, No Visual
<1	70%		10	CL		Soft Blackish/Brown Moist CLAY	No Odor, No Visual
<1	70%		15	CL		Boring Terminated@15ft	No Odor, No Visual

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-131

Site: **Elgin MHC**
 SW Rte. 20 & 31
 Elgin, Illinois

Date Begin: 07/27/04

Date End: 07/27/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	90%			Fill		FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	90%		5	CL		Firm Black CLAY	No Odor, No Visual
<1	60%			SP		Light Brown Moist SAND	No Odor, No Visual
<1	50%		10				No Odor, No Visual
						Boring Terminated@12ft	

Completion Notes:
 Hatched Pattern Indicates Samples Analyzed

Drill Rig: **Simco EarthProbe**

Driller: **J. Valadez**

Geologist: **T. Schwartzers**

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-132

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/27/04

Date End: 07/27/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	75%			Fill		FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	90%		5	CL		Dark Brown Silty CLAY (sand starts @ 5 1/2ft)	No Odor, No Visual
<1	80%			SP		Light Brown Slightly Moist SAND	No Odor, No Visual
<1	80%		10				No Odor, No Visual
						Boring Terminated @ 12ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-133

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 07/27/04

Date End: 07/27/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	75%			Fill		FILL (topsoil, sand, & gravel)	No Odor, No Visual
<1	90%		5	CL		Soft Light Brown Moist CLAY	No Odor, No Visual
<1	80%			CL		Soft Light Brown Moist CLAY	No Odor, No Visual
<1	80%		10	SP		Dense Brown SAND	No Odor, No Visual
						Boring Terminated@12ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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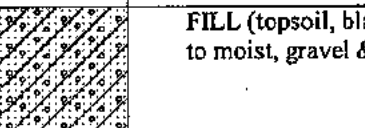

Boring Log

Boring No.: B-134

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
2.2	75%					FILL (topsoil, black silty, dry to moist, gravel & sand)	No Odor, No Visual
2.5	80%		5	Fill			No Odor, No Visual
						Boring Terminated@6ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-137

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
1.5	50%		—	Fill		FILL (topsoil, black silty, dry to moist, gravel & sand)	No Odor, No Visual
2.2	90%		—	CL		Firm Dark Brown Moist CLAY	No Odor, No Visual
			5			Boring Terminated@6ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA Water Depth After Drilling:

Project Number: 04-1211-101

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Boring Log

Boring No.: B-138

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
1.5	75%	[Hatched Pattern]		Fill	[Hatched Pattern]	FILL (topsoil, black silty, dry to moist, gravel & sand)	No Odor, No Visual
2.2	75%		5	SP	[Dotted Pattern]	Brown Dry to Moist SAND	No Odor, No Visual
						Boring Terminated@6ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

Page

1





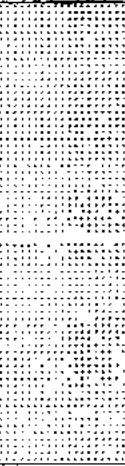
Boring Log

Boring No.: B-138

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
1.2	75%			Fill		FILL (topsoil, black silty, dry to moist, gravel & sand)	No Odor, No Visual
3.5	75%		5	SP		Brown Dry to Moist SAND	No Odor, No Visual
						Boring Terminated@6ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

Page

1





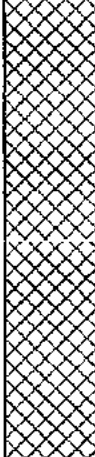
Boring Log

Boring No.: B-139

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
1.8	75%			Fill		FILL (topsoil, black silty, dry to moist, gravel & sand)	No Odor, No Visual
<1	75%		5				No Odor, No Visual
						Boring Terminated@6ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA Water Depth After Drilling:

Project Number: 04-1211-101

Page

1



Boring Log

Boring No.: B-140

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
1.1	75%		5	Fill		FILL (topsoil, black silty, dry to moist, gravel & sand)	No Odor, No Visual
1.6	75%		5	Fill		FILL (topsoil, black silty, dry to moist, gravel & sand)	No Odor, No Visual
						Boring Terminated@6ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

Page

1




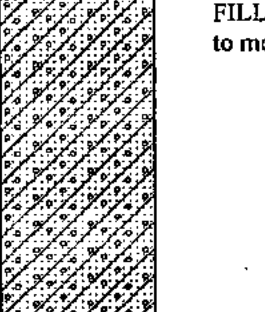

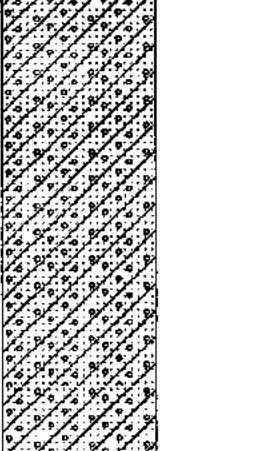
Boring Log

Boring No.: B-141

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	75%			Fill		FILL (topsoil, black silty, dry to moist, gravel & sand)	No Odor, No Visual
1.2	95%		5	CL		Black Silty Clay	No Odor, No Visual
						Boring Terminated@6ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

Page

1




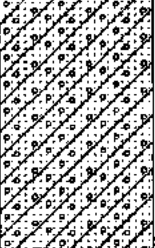

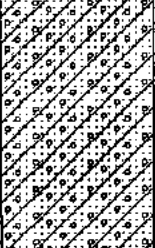
Boring Log

Boring No.: B-142

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	75%					FILL (topsoil, black silty, dry to moist, gravel & sand) (black Coal cinders 4"-1ft)	No Odor, No Visual
<1	75%			Fill			No Odor, No Visual
						Boring Terminated@3ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

Page

1



Boring Log

Boring No.: B-142

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	75%			Fill		FILL (topsoil, black silty, dry to moist, gravel & sand) (black Coal cinders 4"-1ft)	No Odor, No Visual
<1	75%			Fill			No Odor, No Visual
						Boring Terminated@3ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

Page

1



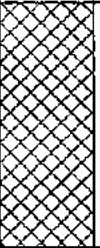
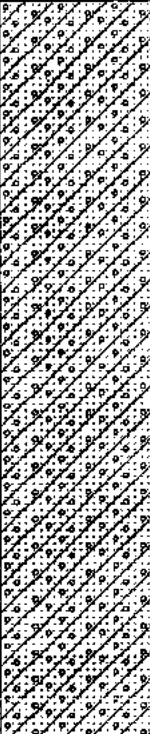
Boring Log

Boring No.: B-143

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	50%			Fill		FILL (topsoil, black silty, dry to moist, gravel & sand) (black Coal cinders 4"-1ft)	No Odor, No Visual
<1	50%						No Odor, No Visual
						Boring Terminated@3ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA

Water Depth After Drilling:

Project Number: 04-1211-101

Page

1



Boring Log

Boring No.: B-144

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 08/17/04

Date End: 08/17/04

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	75%					FILL (topsoil, black silty, dry to moist, gravel & sand) (black Coal cinders 4"-1ft)	No Odor, No Visual
<1	75%			Fill			No Odor, No Visual
						Boring Terminated@3ft	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: J. Valadez

Geologist: T. Schwartzers

LUST Incident No:

Water Depth While Drilling: NA Water Depth After Drilling:

Project Number: 04-1211-101

Page 1



Engineering &
Environmental
Services, Inc.

Groundwater Monitoring Well Completion Report

Site:

Southwest Corner of Route 20 and Route 31
Elgin, IL

Groundwater Monitoring Well ID:

MW-1

Project Number:	04-1211-101	Top of inner casing:	Feet
Geologist:	Tom Schwartzers	Ground elevation:	N/A Feet
Date Drilled:	7/30/2004	Total Depth of Borehole:	30 Feet Feet
Borehole Diameter:	Inches	Depth to Water:	25 Feet Feet

Soil Description	Soil Class	Graphic Log	PID	Depth	Monitoring Well Completion	Annulus Material
TOPSOIL	Top Soil			0		Flush-mount well box w/concrete seal
FILL (silty clay, organics, gravel)	Fill			0-5		Medium Chip Bentonite
Brown Gray Silty CLAY, trace sand; moist	CL			5-15		4' of solid riser
Brown Coarse Grained Loose SAND, trace gravel	SP			15-30		#5 quartz sand
				20-30		10' of 0.01 slotted screen
Boring terminated at 30 Feet				30		

Notes:

C:\User Files\Boring Logs\04-1211-101 Elgin.wf2



Engineering &
Environmental
Services, Inc.

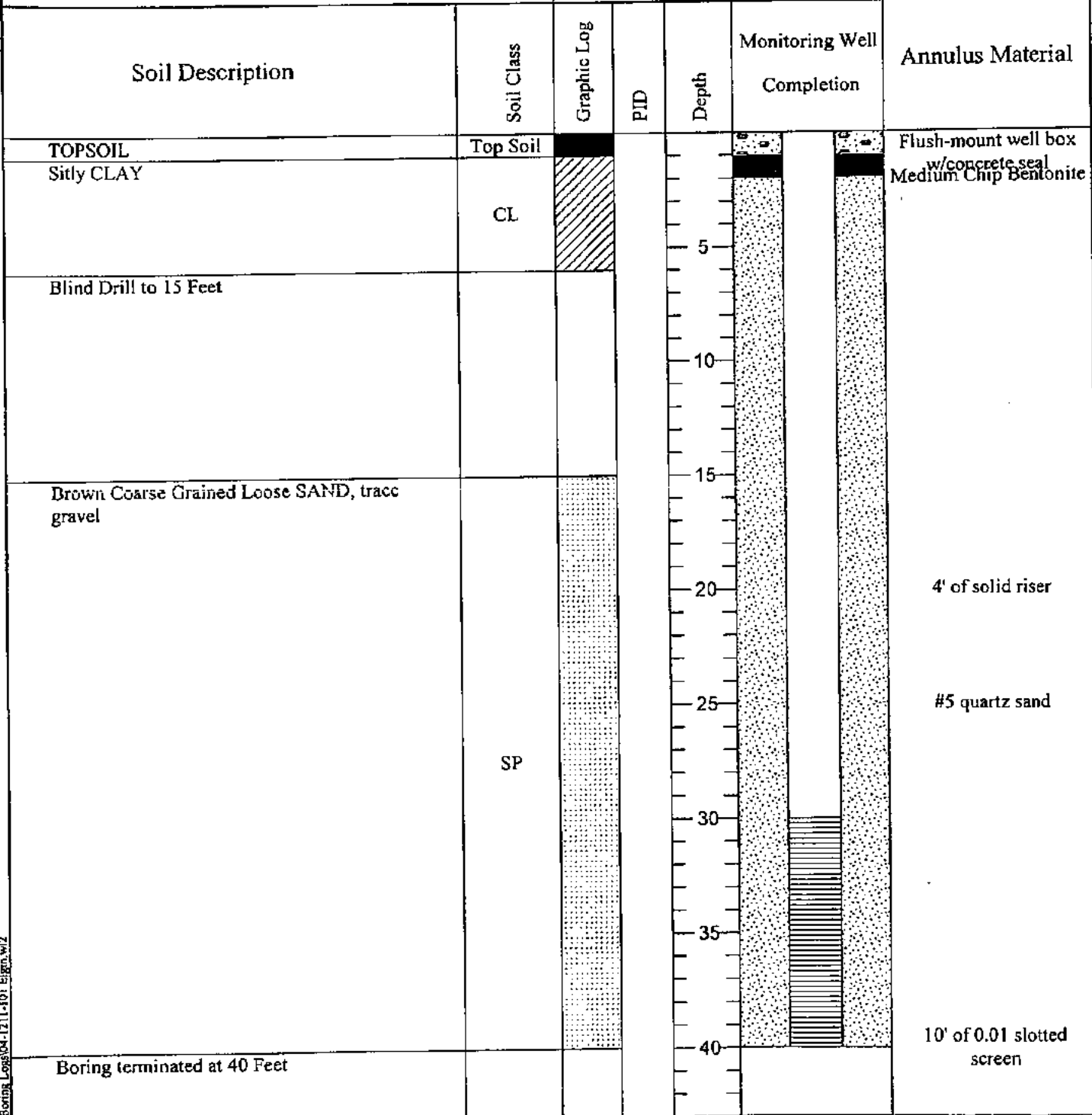
Groundwater Monitoring Well Completion Report

Site: Southwest Corner of Route 20 and Route 31
Elgin, IL

Groundwater Monitoring Well ID:

MW-2

Project Number: 04-1211-101	Top of inner casing: Feet
Geologist: Tom Schwartzers	Ground elevation: N/A Feet
Date Drilled: 7/30/2004	Total Depth of Borehole: 40 Feet Feet
Borehole Diameter: Inches	Depth to Water: 25 Feet Feet



C:\User Files\Boring Logs\04-1211-101 Elgin.w2

Notes:



Groundwater Monitoring Well Completion Report

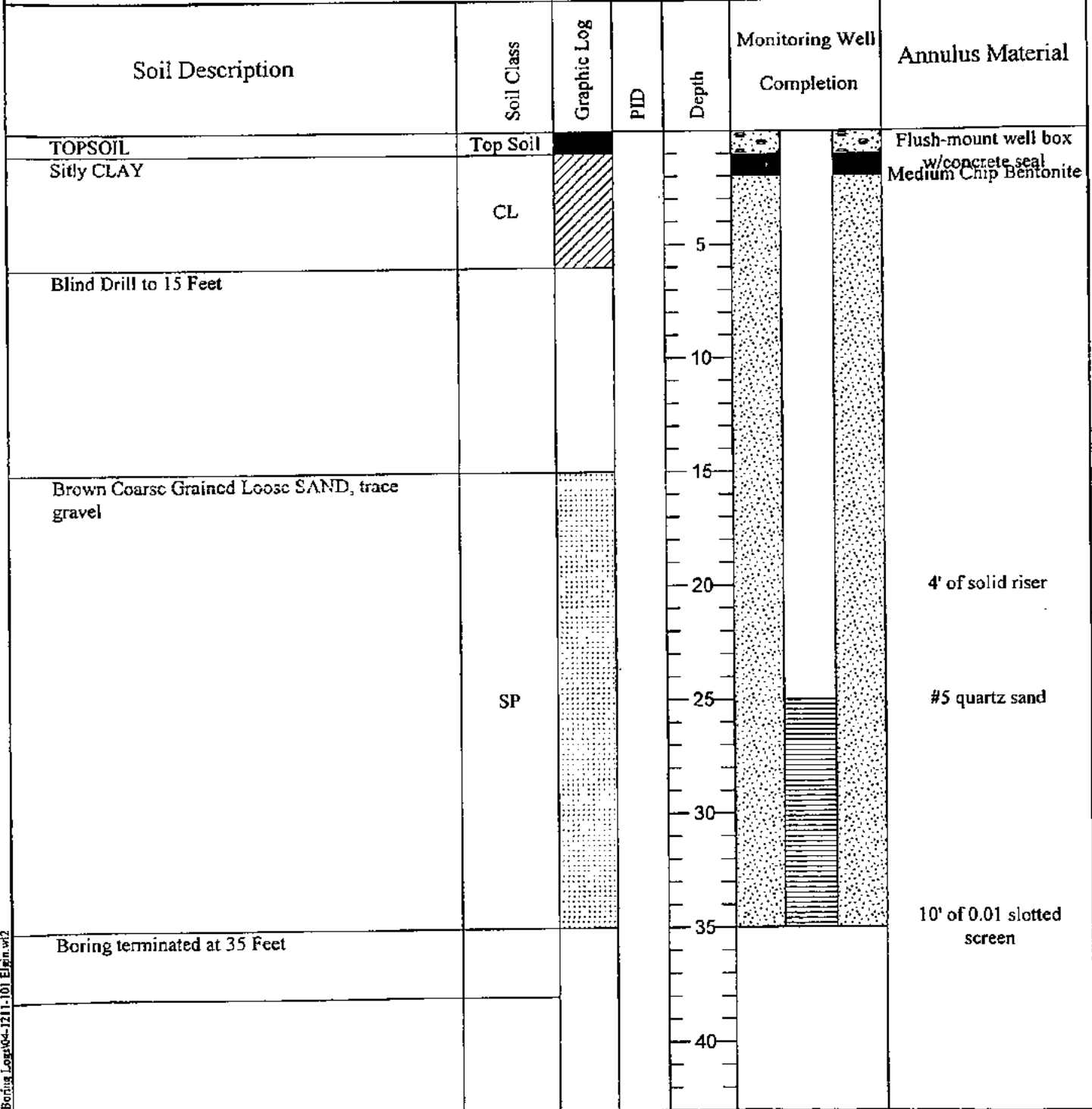
Groundwater Monitoring Well ID:

Site:

Southwest Corner of Route 20 and Route 31
Elgin, IL

MW-3

Project Number:	04-1211-101	Top of inner casing:	Feet
Geologist:	Tom Schwartzers	Ground elevation:	N/A Feet
Date Drilled:	8/25/2004	Total Depth of Borehole:	35 Feet Feet
Borehole Diameter:	Inches	Depth to Water:	25 Feet Feet



C:\User Files\Boring_Logs\04-1211-101 Elgin.w2

Notes:



Engineering &
Environmental
Services, Inc.

Groundwater Monitoring Well Completion Report

Site:

Southwest Corner of Route 20 and Route 31
Elgin, IL

Groundwater Monitoring Well ID:

MW-4

Project Number:	04-1211-101	Top of inner casing:	Feet
Geologist:	Tom Schwartzers	Ground elevation:	N/A Feet
Date Drilled:	8/25/2004	Total Depth of Borehole:	38 Feet Feet
Borehole Diameter:	Inches	Depth to Water:	30 Feet Feet

Soil Description	Soil Class	Graphic Log	PID	Depth	Monitoring Well Completion	Annulus Material
TOPSOIL	Top Soil			0		Flush-mount well box w/concrete seal Medium Chip Bentonite
Silty CLAY	CL			5		
Blind Drill to 15 Feet				10		
Brown Coarse Grained Loose SAND, trace gravel	SP			15		4' of solid riser
				20		
				25		#5 quartz sand
				30		
				35		10' of 0.01 slotted screen
				40		
Boring terminated at 38 Feet						

C:\User Files\Boring Logs\04-1211-101 Elgin.w/2

Notes:



Engineering &
Environmental
Services, Inc.

Groundwater Monitoring Well Completion Report

Site:

Southwest Corner of Route 20 and Route 31
Elgin, IL

Groundwater Monitoring Well ID:

MW-5

Project Number:	04-1211-101	Top of inner casing:	Feet
Geologist:	Tom Schwartzers	Ground elevation:	N/A Feet
Date Drilled:	8/25/2004	Total Depth of Borehole:	40 Feet Feet
Borehole Diameter:	Inches	Depth to Water:	38 Feet Feet

Soil Description	Soil Class	Graphic Log	PID	Depth	Monitoring Well Completion	Annulus Material
TOPSOIL Loose SAND and Gravel; moist	Top Soil SP			0-5		Flush-mount well box w/concrete seal Medium Chip Bentonite
Blind Drilled to 40 Feet				5-40		4' of solid riser #5 quartz sand 10' of 0.01 slotted screen
Boring terminated at 40 Feet				40		

C:\User Files\Boring_Logs\04-1211-101_Elgin.wf2

Notes:

APPENDIX D
PHOTOGRAPHIC LOG



BORING LOCATION B-112, ADJACENT TO FORMER PCB TRANSFORMER LOCATION; VIEW NORTH

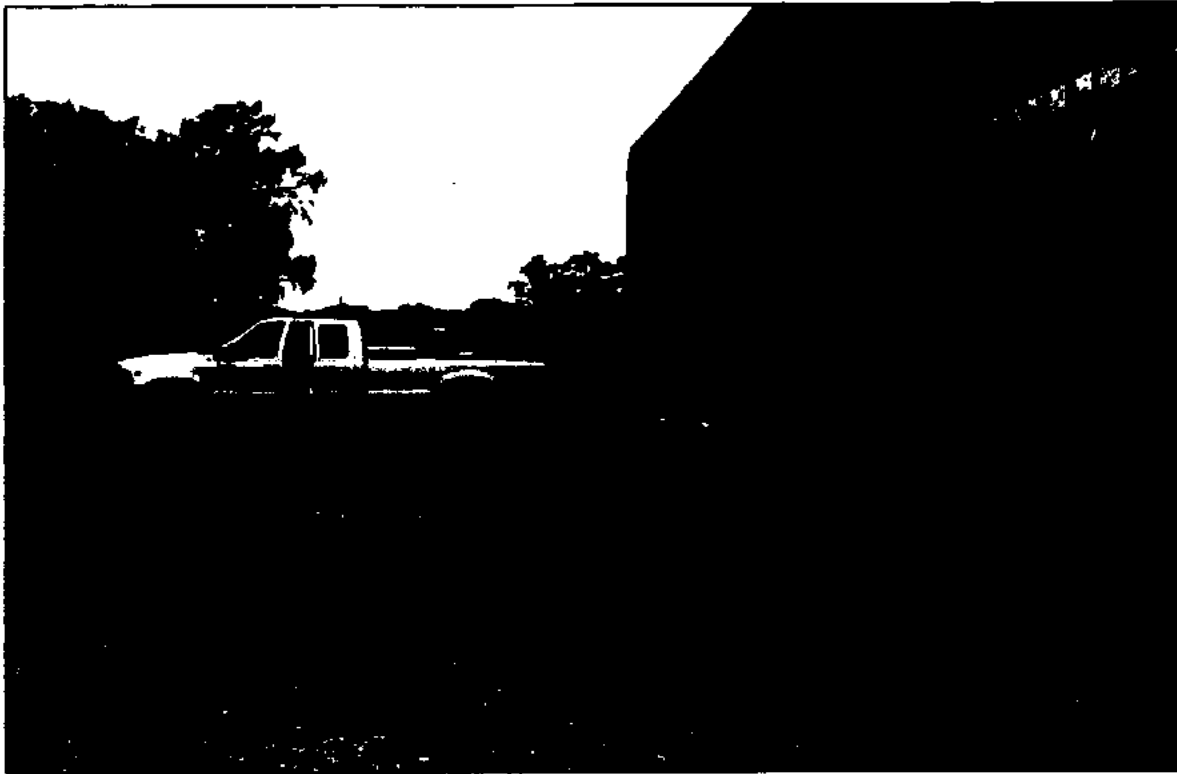


BORING LOCATIONS B-119 AND B-120, ADJACENT TO EXISTING GASOLINE AND DIESEL UST SYSTEMS; VIEW EAST

PIONEER Engineering &
Environmental
Services, Inc.

Photographic Log
SWC of Route 20 and Route 31
Elgin, Illinois

Date: July 2004



BORING LOCATION B-124, ADJACENT TO EXISTING LAUNDRY BUILDING (#109); VIEW NORTH



BORING LOCATION B-123, ADJACENT TO BULGING, UNLABELED DRUMS (CONTENTS UNKNOWN) AND ORPHAN TRANSFORMER NEAR PUMP & BLOWER HOUSE (#31) SOUTH OF EXISTING LAUNDRY BUILDING (#109); VIEW SOUTH

PIONEER Engineering &
Environmental
Services, Inc.

Photographic Log
SWC of Route 20 and Route 31
Elgin, Illinois

Date: July 2004

APPENDIX E

ISGS MAPS



PIONEER

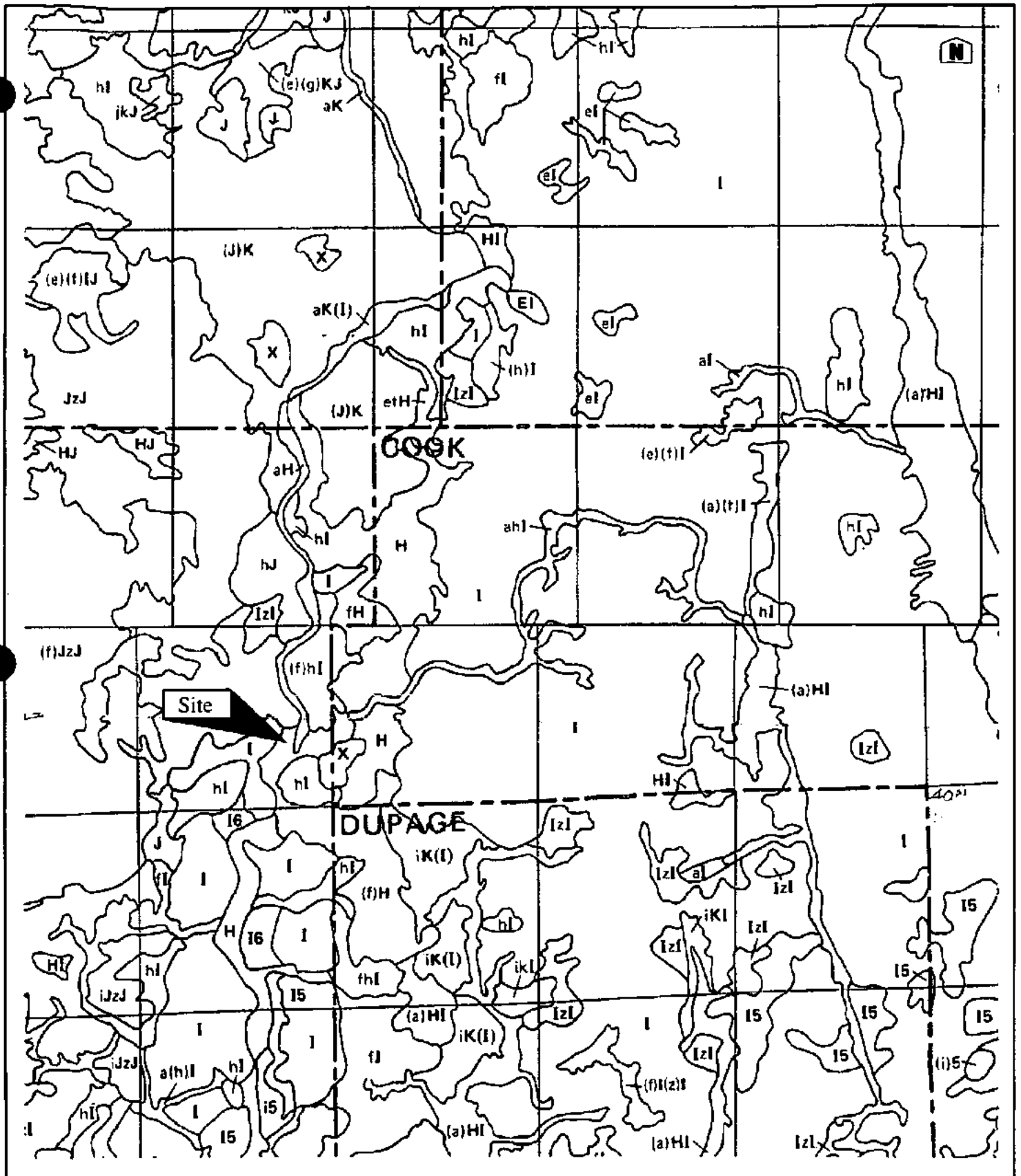
Engineering &
Environmental
Services, Inc.

Southwest of Route 20 & Route 31
Elgin, Illinois
T. 41N, R.8E, SEC. 23

ISGS MAP
Surficial Geology of the Chicago Region
Scale 1:250,000
1970

KEY: jm = Mackinaw Member of the Henry Formation.
DESCRIPTION: Sand and gravel, generally well sorted and
evenly bedded.

Project Number: 04-1211-101



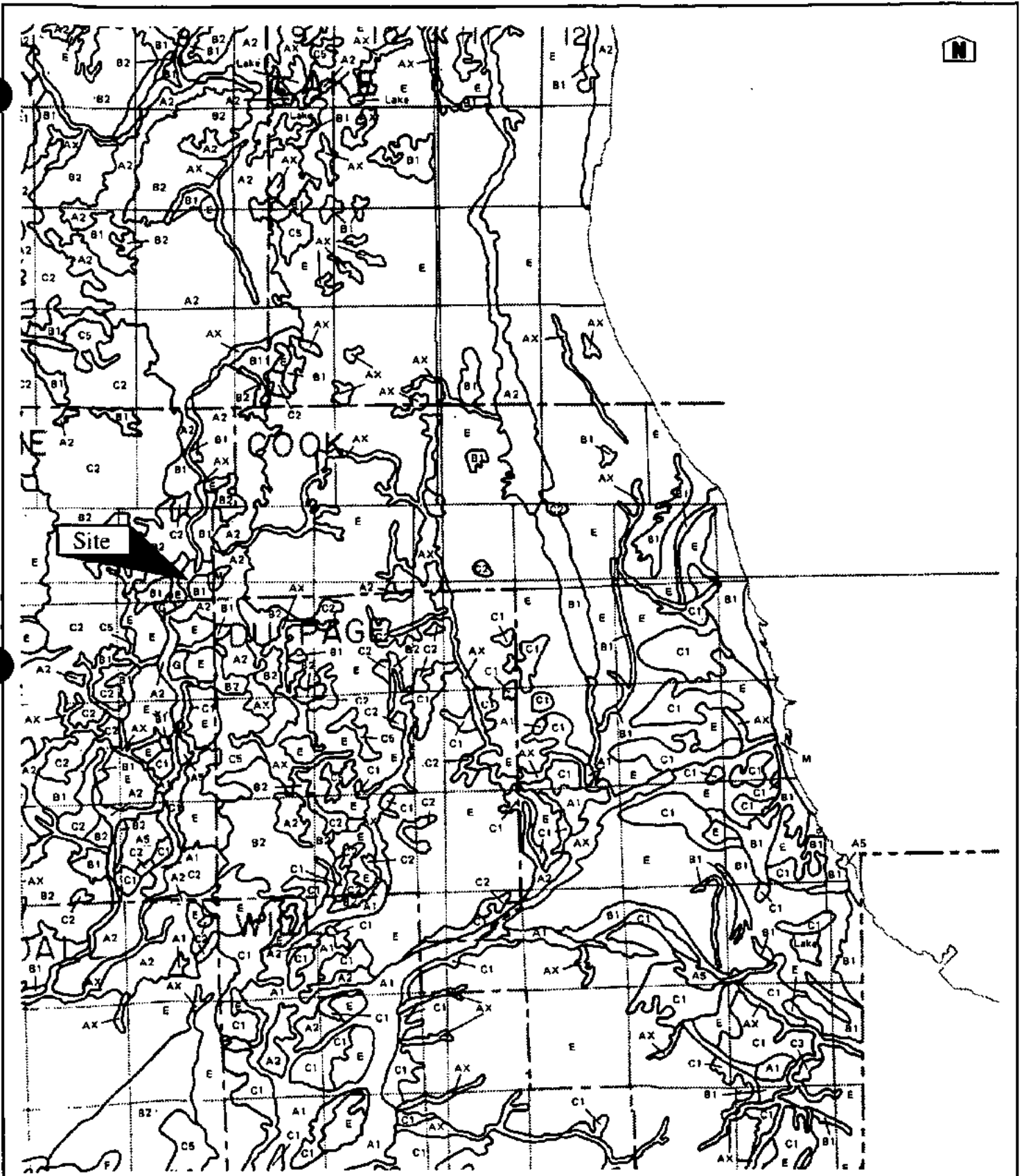
PIONEER Engineering & Environmental Services, Inc.

Southwest of Route 20 & Route 31
 Elgin, Illinois
 T. 41N, R.8E, SEC. 23

KEY: (6)H
 DESCRIPTION: Equality Fm. Carmi Mbr < 6m (19.7ft) thick
 overlying Henry Fm > 6m (19.7ft) thick.

ISGS MAP
 Stack-Unit Map of Northern Illinois
 Scale: 1:250,000
 1987

Project Number: 04-1211-101



Site

PIONEER Engineering & Environmental Services, Inc.

Southwest of Route 20 & Route 31
Elgin, Illinois
T. 41N, R. 8E, SEC. 23

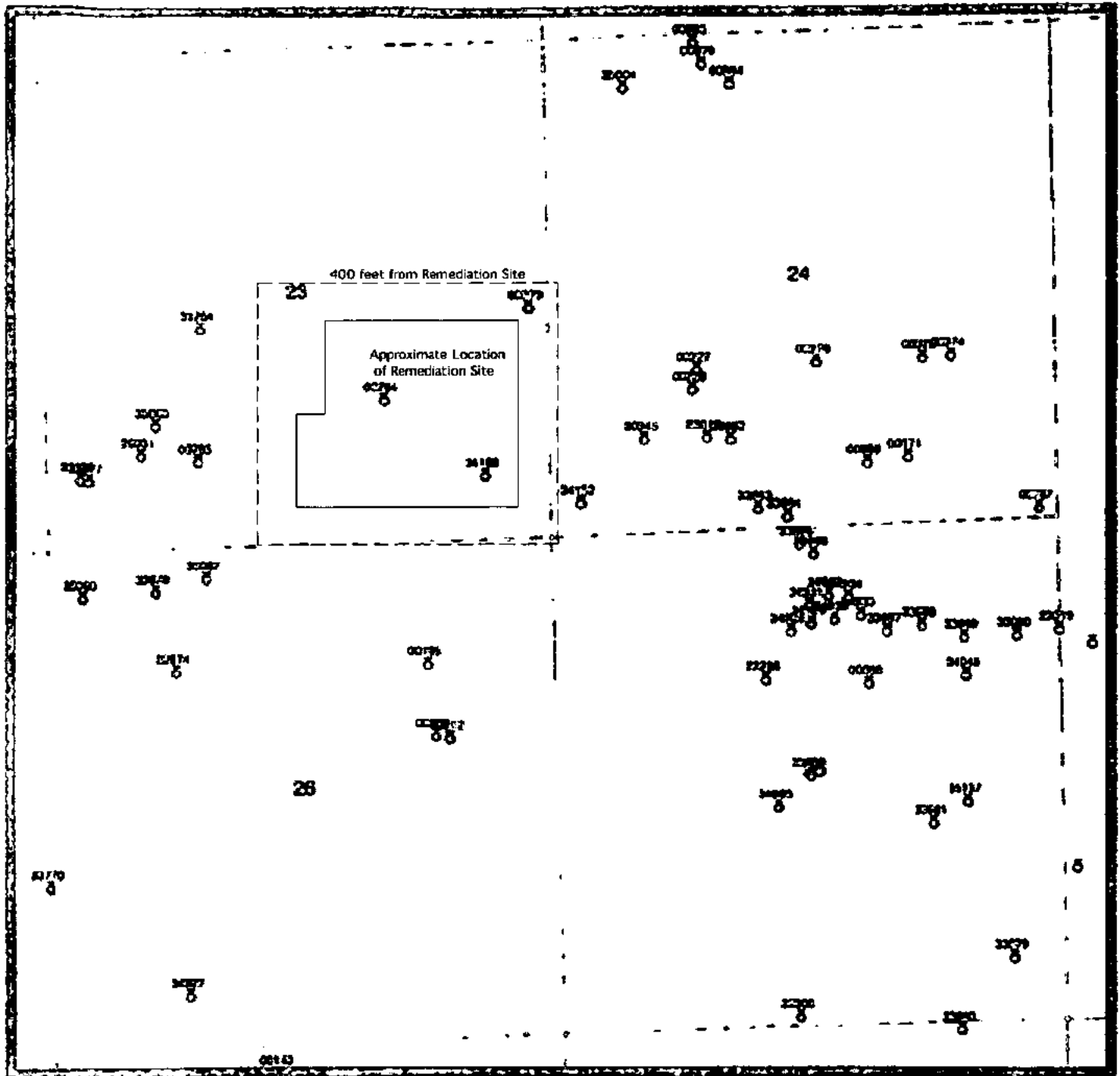
ISGS Circular 532 Map
Potential for Contamination of Shallow Aquifers
Scale: 1:500,000
1984

KEY: A2
DESCRIPTION: Thick, permeable sand and gravel within 20 feet of land surface.

Project Number: 04-1211-101

APPENDIX F
WELL SEARCH

North



Legend:

Scale: 1" = 1600'

Date: March 2005

Drawn by: ISGS Map

Checked by: Dakota Prentice

Job No.: 04-1211-101



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276, 217-782-3397
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601, 312-814-6026

ROD R. BLAGOJEVICH, GOVERNOR

RENEE CIPRIANO, DIRECTOR

7/27/2005

Phone: 217/782-8482

Fax: 217/782-9891

Email: janet.christer@epa.state.il.us

Joe Kelly

Pioneer Engineering & Environmental Services, Inc.

700 N. Sacramento Blvd., Suite 101

Chicago, IL 60612

RE: Information regarding the location of water supply wells in Kane County, Illinois.
(FOIA NO: 2005-2129)

Dear Joe Kelly:

The FOIA Sector, Bureau of Water has processed your request dated 07/12/2005 for public records pursuant to the Freedom of Information Act ("FOIA") (5ILCS 140/1 et. Seq.).

You requested information from Public Water Supplies pertaining to the nearest community water supply well. Based upon the information provided, the project area located in Section 23-26, T41N, R8E appears to be located within 2,500 feet from a community water supply well.

Effective September 1st, 2001, the Pleasant Valley Public Water District, in Peoria County, is the first and only regulated recharge area to designate a defined area with specific regulations in place for the area contributing groundwater to its public water supply wells pursuant to section 17.3 of the Illinois Environmental Protection Act (Act). Further, Class III Special Resource Groundwater Designations are Parker Fen in McHenry Co, Fogelpole Cave in Monroe County and soon, Boone Creek Fen, Spring Hollow, Lee Miglin Savanna and Amberin Ash Ridge in central McHenry County.

The Illinois Department of Public Health should be contacted at (217) 782-5830 in regards to the regulations concerning private, semi-private or non-community public water supply wells and the Illinois State Water Survey should be contacted at (217) 333-9043 in regards to the location of these wells.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276, 217-782-3397
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601, 312-814-6026

ROD R. BLAGOJEVICH, GOVERNOR

RENEE CIPRIANO, DIRECTOR

I trust that this meets your needs. Should you require any further information, please feel free to contact me at the above referenced number.

Sincerely,

Janet Christer
FOIA Coordinator
Bureau of Water

Enclosure

Cc: File



TAP RAW SOURCE STAT BACK ----LEGAL DESCRIPTION---- QUAD SSCPTBLTY SETBACK AQUIFER DPTH

0890400 - GILBERTS POPULATION: 3,183 SRVC CONN: 027D
 03 -01384-WELL 4 IS 1200 FT S OF 190 & W OF TYRREL A N 42N 07E 25 4C

0890450 - HAMPSHIRE POPULATION: 2,999 SRVC CONN:
 20047-INSIDE OLD PLAYSKOOL TOY FACTORY B 42N 06E 22 6C 1500N 1850E 026D C5
 XX 01155-WELL 8 IS SW OF US RT 20 & HIGGINS ROAD P 42N 06E 11 6H 275S 1500E 026A E
 XX 01536-WELL 9 IS SW OF RT72 & GETZELMAN ROAD P 42N 06E 28 3C 1000N 1450W 026B C5
 01 20048-W4 INSIDE HAMPSHIRE SPECIALTY PRODUCTS I 42N 06E 22 6C 1500N 1500E 026D C5
 02 00795-WELL#6 W SIDE KLINK BTWN JEFFERSON&RINN A 42N 06E 21 4B 026D C5
 02 20049-W5 W SIDE KLINK BTWN JEFFERSON & RINN A 42N 06E 21 3B 040N 2100W 026D C5
 04 01156-WELL 7 IS SW OF US RT 20 & HIGGINS ROAD A 42N 06E 11 6H 275S 1500E 026A E

0890500 - MAPLE PARK POPULATION: 765 SRVC CONN:
 20056-WELL 3 SE CORNER PEARL AND CHARLES STS B 40N 06E 30 5A 400N 1300E 035A C2
 01 20055-WELL 2 APPROX 50 YDS N INTS MAIN & GREEN A Y 40N 06E 31 6H 450S 950E 035A C2
 02 01421-WELL #5 I 40N 06E 30 5A 800N 2800E 035A C2
 02 20057-WELL 4 20 YDS SE CORNER PEARL & CHARLES A 40N 06E 30 5A 400N 1350E 035A C2

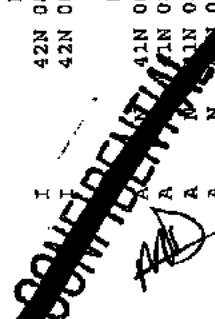
0890600 - NORTH AURORA POPULATION: 10,585 SRVC CONN:
 01 20075-W2 BEHIND LIBRARY S OF STATE W OF GRANT B 38N 08E 04 1F 1625S 600W 034D A1
 02 20076-WELL 3 N SIDE OAK BETWEEN LINCOLN & MONR A 38N 08E 04 3G 880S 1650W 034D A2
 03 20077-WELL 4 PRINCETON DR N OF RACE TRACK A 38N 08E 04 6D 2400N 50E 034D A2
 04 20078-WELL 5 E OF FOX RVR N OF PUBLIC WKS GARAG A 38N 08E 03 6G 1120S 1550E 034D C1
 06 01403-WELL 6 IS NW OF ALDER & ICE CREAM DRIVES A 38N 08E 05 2D 2350S 1150W 034D A2

0890750 - SLEEPY HOLLOW POPULATION: 3,203 SRVC CONN:
 20094-WEST END OF WILLOW LANE I 42N 08E 28 6F 1500S 1450E 027D AX
 20095-WEST END OF WILLOW LANE I 42N 08E 28 6F 1500S 1400E 027D AX

0890800 - SOUTH ELGIN POPULATION: 14,000 SRVC CONN:
 01 20096-WELL 3 540 E LUCILLE ST A 41N 08E 35 3C 1400N 1450W 034A B1
 02 20097-WELL 4 675DIVISION ST A 41N 08E 34 1H 600S 650W 027D A2
 03 20098-WELL 5 1795 NORTH LAFOX A 41N 08E 26 3E 2100S 1700W 027D A2
 04 00593-WELL 6 485SPRING AVE A 41N 08E 35 3C 034A B1
 05 00901-WELL 7 1296 SPRING ST A 41N 08E 34 8G 1180S 715E 027D E
 06 01380-WELL 10 325 EAST AVE A 41N 08E 35 1D 1900N 150W 034A B1

0890850 - SUGAR GROVE POPULATION: 6,051 SRVC CONN:
 XX 01473-WELL 9 IS N OF WTP BY MUNICIPAL DRIVE P 38N 07E 20 1H 550S 150W 034C B2
 01 20108-W2 W OF RT 47 N OF RR TRACKS NEXT TO TWR A 38N 07E 21 5E 2600S 2275E 034C B2 C2
 02 20109-W3 12FT N OF W2 NEXT TO TOWER W OF RT 47 B 38N 07E 21 5E 2588S 2275E 034C B2 C2
 03 00737-WELL 7 A 38N 07E 21 5G 800S 2600E 034C B2
 04 20110-WELL #4 DUGAN WOODS A 38N 07E 19 7E 2450S 200E 034C AX C2
 05 20088-WELL #5-17 WINTHROP NEW ROAD A 38N 07E 10 2B 1275N 930W 034C C2
 06 20089-WELL #6 I 38N 07E 15 2H 570S 1100W 034C AX
 07 01400-WELL 8 IS SE OF NEW BOND RD & PENNY LANE A 38N 07E 10 5E 2400S 2200E 034C C2

0890950 - WEST DUNDEE POPULATION: 5,428 SRVC CONN:
 01 01067-WELL 5 NW CORNER OF WTP SITE A 42N 08E 27 7D 2400S 950E 027D B1
 01 20113-WELL 1 DUNNING AVE AT SECOND STREET A 42N 08E 27 1E 2900N 200W 027D AX
 02 20114-W#2 BY .1MG EL TK IN TOWER PK 4TH & MAIN I 42N 08E 22 2B 1000N 1200W 027D AX
 03 00177-WELL 4 W OF 5TH ST & LINCOLN AVE A 42N 08E 22 3C 1700N 1600W 027D AX



TAP RAW SOURCE STAT BACK ----LEGAL DESCRIPTION---- QUAD SSCPTBLTY SETBACK AQUIFER DPTH
 UP

0890950 - WEST DUNDEE POPULATION: 5,428 SRVC CONN: 1,855 FACL STATUS: A
 03 00185-WELL 3 N OF KANE & W OF 6TH ST A Y 42N 08E 22 4C 1900N 2150W 027D AX 400 0101 89

0894070 - AURORA POPULATION: 122,271 SRVC CONN: 41,900 FACL STATUS: A
 XX 01526-WELL 26 IS SW OF NOTTINGHAM & METTEL RD P N 38N 08E 10 3H 100S 1600W 034D C1 200 5693 1390
 XX 01541-WELL 127 IS 40 FEET WEST OF WELL 27 P N 38N 08E 18 5G 980S 2690W 034D C3 200 5661 255
 01 21127-WELL 8 STOLAPS ISLAND WELL A Y 38N 08E 22 7B 1300N 1000E 034D AX 200 6193 1380
 02 21128-WELL 12A E OF AURORA AVE PUMPING STATION B N 38N 08E 15 3H 200S 1800W 034D A1 400 6397 2251
 04 21130-W16 SW CORNER LAFAYETTE AND PARKER AVES A Y 38N 08E 34 8G 1100S 600E 052A C2 200 6697 2139
 06 21132-WELL 18 SE OF HILLSIDE AND COLLIDGE AVES A Y 38N 08E 24 7C 1850N 900E 034D C2 C2 200 7593 2150
 09 21136-WELL 22 BETWEEN RT 34 AND AURORA AVE A Y 38N 09E 29 5F 1415S 2815W 033C B2 200 6693 1420
 14 00344-WELL 101 IN PIONEER PARK BY WELL 21 A N 38N 07E 24 6H 034C A2 400 0101 116
 14 00610-WELL 119 N OF WASHINGTON JR HS A N 38N 08E 19 5E 034D A5 400 0101 130
 14 00611-WELL 115 A N 38N 08E 20 5B 034D C2 400 0101 134
 14 00612-W103 1000' N OF GALENA BLVD AND ORCHARD A N 38N 08E 10 7B 1000N 4400W 034D A5 400 0101 125
 14 01379-WELL 24 IS W OF CHURCH RD & S OF RT 56 A N 38N 08E 02 3F 1250S 1550W 034D E 200 8193 1400
 14 21129-W15 SE CORNER PRAIRIE AND FORDHAM STS A N 38N 08E 29 2H 164S 700W 034D C2 B4 200 6693 1719
 14 21131-W17 NE CORNER HIGHLAND AND NEW HAVEN AVE A N 38N 08E 16 4D 2100N 2350W 034D C1 C2 200 6697 2152
 14 21133-W19 INTERSECTION PRAIRIE AND PALMER A N 38N 08E 19 5A 123N 2725W 034D C1 200 6687 1424
 14 21134-W20 OFF OF NORTH FARNSWORTH N OF EW TLMY A N 38N 08E 01 2C 1350N 1250W 034D E 200 6693 1400
 14 21135-WELL 21 LOCATED IN PIONEER PARK A N 38N 07E 24 6H 135S 1823E 034C A2 200 6693 1447
 14 21137-WELL 23 JERICHO AND BARNES RDS A N 38N 07E 25 5B 1000N 2500E 052B B2 200 6693 1420
 14 21138-WELL 25 N OF INDIAN TRAIL E OF ... A N 38N 08E 06 3E 2472S 1926W 034D A5 D2 200 5693 925

0894130 - BATAVIA POPULATION: 23,866 SRVC CONN: 8,677 FACL STATUS: A
 XX 01521-WELL 9 IS SSE OF WELL 6 P N 39N 08E 18 5F 1500S 3000W 034D AX 200 6687 1345
 01 20017-WELL 2 1 BL S WILSON ST W BANK FOX RIVER A N 39N 08E 22 3E 2050S 1680W 034D AX 200 6197 2200
 01 20018-WELL 3 SW WELL 2 N 39N 08E 22 3E 2350S 1735W 034D AX 200 6397 2200
 03 20019-WELL 4 E SIDE RVR 434 E WILSON ST A N 39N 08E 23 8F 1650S 425E 034D A5 200 6080 1357
 04 20020-WELL 5 E SIDE RVR & HART RD S OF PINE A N 39N 08E 26 6H 034D E D2 200 6080 1440
 05 00732-WELL#6 INTERSECTION FAYAN-W KANEVILLERD A N 39N 08E 18 5G 034D A1 200 5050 160
 05 00733-WELL#7 INTERSECTION FAYAN-W KANEVILLERD A N 39N 08E 18 5D 034D A1 280 0101 120
 05 00945-WELL #8 S OF INTRSCVN FAYAN & KANEVILLE A N 39N 08E 19 7H 034D B2 200 0101 178

0894380 - ELGIN POPULATION: 94,487 SRVC CONN: 26,182 FACL STATUS: A
 01 22159-SLADE AV W1 35' NE OF PUMPING STATION A N 41N 08E 11 2G 775S 725W 027D AX 200 6080 1945
 01 22160-SLADE AV W2 245' NNE OF PUMPING STA A N 41N 08E 11 1H 027D AX 200 6090 1965
 01 22161-SLDE AV W3 350' ENE OF PUMPING STA A N 41N 08E 11 1H 027D AX 200 6090 1960
 01 22162-SLDE AV W4 520' ENE OF PUMPING STA A N 41N 08E 11 1H 027D AX 200 6090 1898
 01 22163-SLADE AV W5 405' SW OF PUMPING STA A N 41N 08E 11 2G 1175S 1175W 027D AX 200 6080 1235
 01 22164-SLDE AV W6 1085' SW OF PUMPING STA A N 41N 08E 11 3F 1750S 1500W 027D AX 200 6080 1300
 02 22165-W1A APT 600' W OF WESTSIDE TRTMT PLT A N 41N 08E 16 4C 1865N 2590W 027D B2 C2 200 6080 1268
 02 22166-W2A LOC 75' W OF ELEV TK NEAR WESTSIDETP A N 41N 08E 16 4D 2100N 2040W 027D B2 C2 200 6080 1353
 02 22167-W3A LOC NW OF WSTP IN COR OF SCHOOL YARD A N 41N 08E 16 4D 2565N 2590W 027D B2 C2 200 6080 1378
 02 22168-W4A E SIDE ST JOS HOSP PKG LOT A N 41N 08E 16 2D 2000N 1000W 027D B2 C2 200 6080 1345
 02 22169-W5A ON W SIDE BROOKSIDE ST W WSIDE WTP A N 41N 08E 16 7C 1650N 1300E 027D B2 C2 200 6080 1310

0894690 - MONTGOMERY POPULATION: 14,500 SRVC CONN: 5,013 FACL STATUS: A
 XX 01500-WELL 14 IS SE OF FAIRFIELD WAY & GORDON P N 38N 07E 35 7D 2100N 1150E 052B B1 200 1400 46
 01 20070-BLACKBERRY HEIGHTS B N 38N 08E 31 7A 620N 1100E 052A A2 400 0101 46
 01 20072-MARVIRAY MANOR SUBD B N 38N 08E 35 7D 2600N 700E 052A A2 400 5661 300
 04 20071-WELL 8 - SW CORNER MAURANSTA & PEAR ST A N 38N 08E 34 6B 1250N 1350E 052A A2 200 6080 1378

TAP	RAW SOURCE	STAT	BACK UP	LEGAL DESCRIPTION	QUAD	SSCPTBLTY	SETBACK	AQUIFER	DPPTH
0895300	- SBDV WTR TRUST NO 1								
01	20064-W1 539 FARNSWORTH S OF 5TH AVE	A	N	POPULATION: 36N 08E 26 1D 2100N 125W 052A	975	SRVC C2	325	200	FACL STATUS: A 5656 250
02	20065-W2 BEHIND HOME AT 1228 ZIEGLER E SUMNER	A	N	POPULATION: 38N 08E 26 2D 2100N 850W 052A		C2	200	200	FACL STATUS: A 5656 180
03	20066-W3 NE CORNER OF LOUCKS AND ZIEGLER STS	A	N	POPULATION: 38N 08E 26 2D 2100N 1200W 052A		C2	200	200	FACL STATUS: A 5656 196
0895319	- MOOSEHEART								
01	20073-WELL#2 - NEAR ELEVATED TANK	A	N	POPULATION: 39N 08E 33 5G 900S 2600E 034D	330	SRVC A1	100	200	FACL STATUS: A 6080 1483
02	20074-WELL 3 DISCHARGE PIPING	A	N	POPULATION: 39N 08E 33 5G 1200S 2400E 034D		A1	200	200	FACL STATUS: A 6080 1386
0895365	- OAK GROVE MHP								
01	20079-M H PARK ENTRANCE	A	Y	POPULATION: 38N 08E 34 8D 2250N 100E 052A	230	SRVC C2	81	400	FACL STATUS: X 5656 147
01	20080-NEAR OFFICE	I	N	POPULATION: 38N 08E 34 8D 2200N 140E 052A		C2	400	400	FACL STATUS: X 0101 65
0895400	- CGDEN GARDENS SBDV								
01	20081-W1 222 OAKVIEW AVE N OF NEW YORK ST	A	N	POPULATION: 38N 08E 24 5C 3500S 3200W 034D	345	SRVC C2	115	200	FACL STATUS: A 5661 185
02	20082-W2 288 OAKVIEW AVE N OF COOLIDGE ST	A	N	POPULATION: 38N 08E 24 5E 2450S 3050W 034D		C2	200	200	FACL STATUS: A 5661 176
03	20083-W3 311 EASTERN AVE N OF COOLIDGE	A	Y	POPULATION: 38N 08E 24 4E 2500S 2550W 034D		C2	200	200	FACL STATUS: A 5661 185
0895445	- PATTERSON MHP								
01	20085-W1 E SIDE HINCCKLEY S OF MELROSE	A	N	POPULATION: 38N 08E 34 4E 2300S 2300W 052A	24	SRVC C2	15	400	FACL STATUS: A 5661 80
0895500	- PARK VIEW WTR CORP								
01	20084-W1 E OF HILL N OF MNTGMY RD & DRIVE-IN	A	N	POPULATION: 38N 08E 35 2G 900S 1000W 052A	150	SRVC C2	47	400	FACL STATUS: A 5661 250
0895530	- HIGHLAND SBDV								
01	20050-LAMBERT DRIVE WEST OF LITTLE STORE	A	N	POPULATION: 40N 08E 15 4A 650N 2075W 034A	60	SRVC A2	20	400	FACL STATUS: A 5661 152
0895545	- MARGARET'S PARK VIEW EST MHP								
01	20090-WELL #1 BY LAUNDRY ROOM	A	N	POPULATION: 38E 26 3A 300N 1700W 052A	190	SRVC C2	95	200	FACL STATUS: A 5661 208
02	20091-WELL 2 NORTH OF WELL 1	A	N	POPULATION: 38N 08E 26 3A 150N 1550W 052A		C2	200	200	FACL STATUS: A 5661 210
0895550	- POWERS WATER CO, INC.								
01	20087-WELL #1 ON POWERS RD AT GARY LANE	A	N	POPULATION: 42N 07E 10 5H 75S 2100E 027B	192	SRVC C2	64	400	FACL STATUS: A 0101 80
0895600	- IL AMERICAN-RIVER GRANGE								
01	20092-W1 SW OF 6N351 RIVER GRANGE RD W RT 31	A	N	POPULATION: 40N 08E 09 1C 1800N 350W 034A	82	SRVC E D2	23	200	FACL STATUS: A 0101 180
0895750	- AURORA COMMUNITY WATER ASSN								
01	20111-WELL 1 1428 SUMMIT AVE	I	N	POPULATION: 38N 08E 25 8G 800S 400E 034D	150	SRVC C2	50	200	FACL STATUS: A 5656 216
01	01277-WELL 3 IS AT 1428 SUMMIT AVE	A	N	POPULATION: 38N 08E 25 8G 1150S 350E 034D		C2	200	200	FACL STATUS: A 5656 200
01	20112-WELL 2 1428 SUMMIT AVE	A	N	POPULATION: 38N 08E 25 8G 825S 400E 034D		C2	200	200	FACL STATUS: A 5656 253
0895800	- UTL INC PERSON CREEK UTL CORP								
01	20038-75 FEET SOUTH OF PADDOCK LANE	B	N	POPULATION: 40N 07E 16 6E 2590S 1620E 034B	1,134	SRVC C2	378	200	FACL STATUS: A 6080 1409
01	20039-WELL 2 SW OF END OF JENS JENSEN LANE	A	N	POPULATION: 40N 07E 16 4C 1820N 2150W 034B		B2	200	200	FACL STATUS: A 0101 185
01	20040-WELL 3 SE OF END OF JENS JENSEN LANE	A	N	POPULATION: 40N 07E 16 3C 1850N 1850W 034B		B2	200	200	FACL STATUS: A 0101 175
0895910	- ELGIN MHC								
01	20117-WELL 1	I	N	POPULATION: 41N 08E 23 3B 1275N 1775W 027D	2,074	SRVC A2	30	400	FACL STATUS: I 8397 2000
01	20118-WELL 2	I	N	POPULATION: 41N 08E 23 6B 925N 1750E 027D		E	200	200	FACL STATUS: I 8397 2000

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TAP	RAW SOURCE	STAT	BACK UP	LEGAL DESCRIPTION	QUAD	SSCPTBLTY	SETBACK	AQUIFER	DPTH
0930150	- OSWEGO								
	20130-WELL 1	I			16,320	SRVC CONN:	5,900	FACL STATUS:	A
	01 20131-WELL 3 AT INTERSECTION DOUGLAS & MADISON	A	N	37N 08E 17 7C 1600N 750E	052A	A2	400	6080	680
	02 20132-WELL 4 INTERSECTION OF RT 34 & RT 71	A	N	37N 08E 20 8H 75S	052A	A2	200	6393	1378
	03 00738-WELL 5 FOX CHASE SBDV NW RT 31 & MILL RD	A	N	37N 08E 17 2E 2500S 750W	052A	A2	200	6080	1396
	04 00872-WELL 5 KENDALL PT DR S OF BYPASS RTE 30	B	N	37N 08E 07 2B 1000N 1250W	052A	A2	200	8787	1392
	05 01141-WELL 7 IS 2500 FT SOUTH OF US 30 & US 34	A	N	37N 08E 03 1F	052A	A2	400	207	207
	06 01398-WELL 8 IS 850 FT W OF WOOLEY & PLAINFIELD R	A	N	37N 08E 11 2H	052A	C2	200	8393	1483
				37N 08E 20 4B 2500S 2000W	052A	A2	200	8393	1450
0930200	- PLANO				5,633	SRVC CONN:	1,843	FACL STATUS:	A
	01591-WELL 8 IS 180FT NE OF WELL 7	P					400	0101	97
	20125-WELL 1	B					400	0101	14
XX	01588-WELL 6 IS 300 FT NNE OF WELL 2	P	N	37N 06E 23 7D 3000S	500E	AX	400	0101	40
01	20126-WELL 2	I	N	37N 06E 23 8D 2000N	500E	AX	400	0101	40
01	20127-WELL 3	A	N	37N 06E 23 8D 2000N	500E	AX	400	0101	40
02	20128-WELL 4	A	N	37N 06E 23 8D 2000N	150E	AX	400	0101	40
02	20129-WELL 5	A	N	37N 06E 23 8C 1755N	60E	AX	400	0101	37
		A	N	37N 06E 23 8C 1695N	330E	AX	400	0101	41
0930250	- YORKVILLE				6,189	SRVC CONN:	2,400	FACL STATUS:	A
	01549-WELL 9 IS W OF BRISTOL RD & KENNEDY RDS	P					200	1390	1390
XX	01547-WELL 7 IS A MILE SOUTH OF RT 71	P	N	36N 07E 10 8F 1400S	550E	E	200	6693	1529
XX	01548-WELL 8 IS NORTH OF WTP	P	N	37N 07E 11 3E 150N	1950W	A2	200	8080	1400
01	20133-WELL 1 0.5 MILE SOUTH OF TOWN	B	N	36N 07E 04 6D 2000N	1500E	AX	400	0101	42
02	20134-WELL 3 .5 BLOCK W BRIDGE ON VAN EMMON	B	N	37N 07E 32 1R 2160S	160W	AX	200	6080	1335
03	20135-W4 NEAR WATER TOWER AND PUBLIC WORKS	N	N	37N 07E 28 8B 775N	50E	A2	200	6080	1393
04	00208-W2 IS 30FT FROM CREEK, 1/2MI FROM IND PK	N	N	36N 07E 04 6D			200		
05	00928-WELL #5 - SHALLOW GRAVEL PACK	N	N	37N 06E 24 3C 2000N	1800W	AX	400	0101	91
0935100	- IL AMERICAN-VALLEY MARINA				1,272	SRVC CONN:	424	FACL STATUS:	A
01	20123-WELL 1	A	N	37N 08E 08 7H 650S	700E	A2	400	6161	187
02	20124-WELL 2	A	N	37N 08E 07 1H 650S	100W	A2	200	6366	647
0935140	- MORGAN CREEK				72	SRVC CONN:	24	FACL STATUS:	A
01	20119-WELL 1 PLUS ADPTR E END COUNTRY LANE	A	N	37N 07E 35 4G 1320S	2272W	A2	200	6666	642
0935150	- FOX LAWN UTIL CMPEY INC				273	SRVC CONN:	91	FACL STATUS:	A
01	20121-WELL 1	A	N	36N 07E 06 1G 1300S	50W	A2	200	6080	715
0935200	- IL AMERICAN-HOLLIS				123	SRVC CONN:	41	FACL STATUS:	A
01	20122-WELL 1	A	N	37N 06E 19 5B 1200N	2800W	051A	200	6365	200
0935250	- STORYBOOK HIGHLANDS				100	SRVC CONN:	34	FACL STATUS:	A
01	20120-WELL 1	A	N	37N 07E 11 4F 1600S	2649W	052B	400	5661	344
0950050	- ABINGTON				3,654	SRVC CONN:	1,454	FACL STATUS:	A
01	52001-WELL 1 N END OLDER WTR PLANT BLDG	B	N	10N 01E 33 5B 1250N	2450E	097C	200	6666	1355
01	52002-WELL 2 S END OLDER WTR PLANT BLDG	B	N	10N 01E 33 5B 1200N	2450E	097C	200	7193	2583
02	52003-WELL 3 100E LATIMER S SIDE ST IN PARK	A	N	10N 01E 33 6C 1500N	1900E	097C	200	6693	2550

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Illinois State Water Survey

Main Office • 2204 Griffith Drive • Champaign, IL 61820-7495 • Tel (217) 333-2210 • Fax (217) 333-6540
Peoria Office • P.O. Box 697 • Peoria, IL 61652-0697 • Tel (309) 671-3196 • Fax (309) 671-3106



7/12/2005

Mr. Dakota Prentice
Pioneer Environmental
700 N. Sacramento Boulevard, Suite 101
Chicago, IL 60612

Dear Mr. Prentice:

As you requested during our telephone conversation on July 12, 2005, we are enclosing printouts from our Private Well Database and Public, Industrial, Commercial Survey (PICS) Database for the following locations:

<u>COUNTY</u>	<u>TOWNSHIP</u>	<u>RANGE</u>	<u>SECTIONS</u>
KANE	41 NORTH	8 EAST	23, 24, 25, 26

No available information is indicated on the printout by the statement "0 records were found for the specified locations." Also enclosed are explanations of the Illinois State Water Survey Private Well and PICS Databases.

The data included in the Private Well Database are those non-municipal wells which are known to the Illinois State Water Survey, and the PICS Database is an inventory of municipal well information and large industrial groundwater users. We may not have a copy of well records for these groundwater users.

The enclosed statement reflects the charges for this request which includes a \$35.00 query fee for PICS information, a \$35.00 query fee for Private well information, and a \$0.10 per page charge for 8 pages, plus a \$5.00 shipping and handling fee, totaling \$75.80.

If you have any questions or if I can be of further assistance, please call

Sincerely,

Susie Dodd-Casey
Associate Supportive Scientist
Center for Groundwater Science
Phone: (217) 333-9043

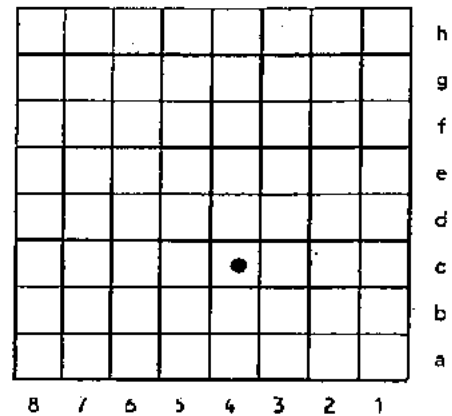
Enclosures as stated

ISWS 10-ACRE PLOT LOCATION SYSTEM

The following is an explanation of the ISWS Private Well Database location system.

The location system uses Township, Range, and Section. The location consists of five parts: County abbreviation, Township, Range, Section, and coordinate within the section (subsection or 10-acre plot). Sections are divided into rows of 1/8-mile squares. Each 1/8-mile square contains 10 acres and corresponds to a quarter of a quarter of a quarter section. A normal section of 1 square mile contains 8 rows of 1/8-mile squares; an odd-sized section contains more or fewer rows. Rows are numbered from east to west and lettered from south to north as shown in the diagram.

Example: St. Clair County, FIP No. 163
T2N, R10W
Section 23



The location of the well shown above is 163 2N10W-23.4c. The well point is located at the center of this 10-acre plot.

ILLINOIS STATE WATER SURVEY
PRIVATE WELL DATABASE EXPLANATION

WID	Illinois State Water Survey Identification Number
FIPS	County Code Number
TWN	Civil Township
RNG	Range
SEC	Section
PLOT	10-acre Plot Location within the Section
OWNER	Well Owner
DRILLER	Well Drilling Contractor of Well
DATE DRILLED	Date Initially Drilled
DEPTH	Depth (well to nearest ft)
RECORD TYPE	Record Type (types of information on file)
	R - Construction Report
	G - Geology
	S - Sealed
	A - Affidavit
	C - Chemical Analysis
	I - Inventory
	X - Indicates Comment in Owners Field Something Unusual
	O - Any Other Type of Record
	P - Pump Installation
USE	Well Use (two-letter code indicating the usage of the well)
	CO - Conservation
	CS - Community Supply
	DO - Domestic
	DW - De-Watering
	IC - Industrial/Commercial
	IN - Injection Well
	IR - Irrigation
	MO - Monitoring
	NC - Non-Community
	NW - Non-Well Source
	OB - Observation
	PK - Park
	RC - Recovery Well
	RW - Relief Well
	SC - School
	ST - State

USE

(Continued)

TB - Test Boring
TH - Test Hole
TW - Test Well
~ - Unknown

WELL TYPE

Well Type (two-letter code indicating the type of well)

BLANK - Assumed Drilled
BD - Bored
DL - Drilled
DU - Dug (Being Phased Out)
DR - Driven
NW - Non-Well
SP - Sand Point
SG - Spring
~ - Assumed Drilled or Possibly Unknown

AQUIFER TYPE

Aquifer Type (two-letter code indicating aquifer type)

BR - Bedrock
DH - Dry Hole
SW - Surface Water
UN - Unconsolidated
~ - Unknown

STAT LVL

Static Level - Reported non-pumping water level

PUMP LVL

Pumping Level - Reported water level during initial pumping of the well

PUMP GPM

Pumping GPM - Gallons per minute at time of well construction

THE DATA IN THE PRIVATE WELL DATABASE IS A LISTING OF THE NON-COMMUNITY WELLS WHICH ARE KNOWN TO THE ILLINOIS STATE WATER SURVEY (ISWS). THIS INFORMATION HAS BEEN ENTERED VERBATIM FROM WELL LOGS SUBMITTED BY THE DRILLER, FROM CHEMICAL ANALYSIS REPORTS, FROM WELL SEALING FORMS, OR WELL INVENTORY FORMS FROM THE 1930-34 WELL SURVEY AND OTHER SPECIAL PROJECTS. THE ACCURACY OF THIS DATA IS CONTROLLED BY THOSE WHO SUBMITTED THE FORM. INFORMATION IN THE PRIVATE WELL DATABASE HAS NOT BEEN VERIFIED.

ILLINOIS STATE WATER SURVEY
PICS DATABASE EXPLANATION

SWS ID	ISWS Facility ID Number
NAME	Facility Name
WELL #	ISWS Point Source Well/Intake Number
STATUS	Point Source Status of Well/Intake A = Abandoned - no longer in existence, no affidavit on file, or do not know if it has been filled in C = Capped - cap attached to top D = Disconnected - disconnected from system E = Emergency - available for standby use I = In Use - produces major portion of water O = Observation - used for water level measurements S = Sealed - filled in U = Unused - exists but not used
FIPS	County Code Number
TWN	Civil Township
RNG	Range
SEC	Section
PLOT	10-acre Plot Location within the Section
DEPTH	Depth (well to nearest ft)
TYPE LOG	D = Driller's log O = Other X = Chemical C = Correlated log S = Sample study log - = Log not available
YEAR	Year Point Source Initially Constructed
DRILLER	Well Drilling Contractor of Well

Illinois State Water Survey Private Well Database

Tuesday, July 12, 2005

County: KANE

Township: 41N

Range: 08E

Sections: 23,24,25,26

Records Found: 60

Questions: Contact the Illinois State Water Survey's Ground Water Division @ (217)-333-9043

Publication: Please cite the Illinois State Water Survey's Private Well Database in all publications based wholly or partially on this information.

Note: The data in the Private Well Database is a listing of non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those submitting the forms. Information in the Private Well Database has not been verified.

This data cannot be resold or redistributed. The Illinois State Water Survey must be acknowledged in any use of this material.

						*			
8	7	6	5	4	3	2	1		

Location of a 10-acre-plot within a section:

The origin can be found at the lower right-hand-corner of an 8 x 8 grid. In this example, the well is in the 10-acre plot '3d'.

WID	FIPS	T	RNG	SEC	PLOT	OWNER	DRILL	DATE	DEPTH	TYPE	USE	TYPE	LVL	GPM
307566	089	41N	08E	23		ELGIN STATE DOCUMENTS ARE DATED IN 1929 AND (MENTAL)HOSPITAL 1930'S DRILLED IN 1890S.		00/00/0000	20	OG	IC	DU	UN	
342644	089	41N	08E	23		ILLINOIS DIVISION OF SOUTH STATE STREET OVER FA 6 HIGHWAYS #1		03/00/1958	41	RG	TB	DL	UN	
307189	089	41N	08E	24		ELGIN CORRUGATED BOX CO. #2ED O'BRIEN		00/00/1952	190	O	IC	DL	--	48 56
307190	089	41N	08E	24		ELGIN CORRUGATED BOX CO. #1ED O'BRIEN WELL ABANDONED IN 1946		00/00/0000	200	O	IC	--	--	
307193	089	41N	08E	24		ELGIN BUTTER TUB CO.		00/00/1905	140	O	IC	DL	--	12
307194	089	41N	08E	24		COLINGBOURNE MILLS INC. FORMERLY WESTERN THREAD CO. DOCUMENT DATED 1/22/1934		00/00/0000	-999	O	IC	--	--	300
307199	089	41N	08E	24		WESTERN THREAD CO/COLINGBOURNE MILL DOCUMENT DATED 05/19/1910		00/00/0000	116	OGC	IC	DL	UN	
342595	089	41N	08E	24		C & N.W. RAILROAD SECTION IN QUESTION		00/00/1886	1680	RG	IC	DL		
342597	089	41N	08E	24		ILLINOIS DIVISION OF FA 6 BRIDGE BORING OVER RAYMOND HIGHWAYS BB #3 STREET		04/00/1958	41	RG	TB	BD	UN	
342598	089	41N	08E	24		ILLINOIS DIVISION OF FA 6 (ELGIN BY-PASS) OVER LIBERTY HIGHWAYS BB #2 STREET		06/00/1958	39	RG	TB	BD	UN	
342596	089	41N	08E	24		ILLINOIS DIVISION OF FA 6 BRIDGE (ELGIN BY-PASS) OVER HIGHWAYS BB #2 ST. CHARLES ST.		05/00/1958	26	RG	TB	BD		
342599	089	41N	08E	24		ILLINOIS DIVISION OF FA 6 (SBI 5) OVER FOX RIVER & RAILROADS		03/00/1956	41	RG	TB	BD	UN	
371207	089	41N	08E	24	2A	ALPINE DEMOLITION	STEVEN LIBERG	00/00/0000	200	A	~	DL		
307208	089	41N	08E	24	4A	ILLINOIS TOOL WORKS DOCUMENT IS DATED 09/12/1944		00/00/0000	256	OGC	IC	DL	BR	175

Scaled: 6/21/05

WID	FIPS	T	DRNG	SEC	PLOT	OWNER	DRILL	DATE	DEPTH	TYPE	USE	TYPE	LVL	GPM
342607	089	41N	08E	24	6B	POPLAR CREEK OUTLET SEWER CLAUDE H. HURLEY #TB-1		04/07/1974	24	RG	TB	BD	UN	
342600	089	41N	08E	24	6C	CITY OF ELGIN	LAYNE-WESTERN	07/31/1961	37	RG	TB	BD	---	
SUMMARY SAMPLE NO INFO 1550 E														
342601	089	41N	08E	24	6C	CITY OF ELGIN #9	LAYNE-WESTERN	07/31/1961	50	R	TB	BD	---	
SUMMARY SAMPLE NO INFO														
72119	089	41N	08E	24	6G	ELGIN NATIONAL WATCH CO. WELL #3		00/00/1930	530	OG	IC	---	BR	230 217
DEEPEN TO 566 FT IN 1938 AND REPAIRED IN 1944														
72120	089	41N	08E	24	6H	ELGIN NATIONAL WATCH CO WELL #1	THORN AND GEINGER	00/00/1937	1231	ORG	IC	---	BR	159 241 540
ORIGINAL DEPTH WAS 810FT, DEEPENED IN 1937 TO 1231FT														
72121	089	41N	08E	24	6H	ELGIN NATIONAL WATCH CO WELL #2	THORN AND GEINGER	00/00/1938	1222	ORG	IC	DL	BR	160 240 590
216108	089	41N	08E	24	7B	ELGIN COUNTY LITTLE LEAGUE DUPAGE PUMP INC		09/28/1989	250	GR	DO	DL	BR	50
70767	089	41N	08E	24	8A	CITY OF ELGIN TEST HOLE		00/00/0000	10	C	TH	---	---	
ARTIFICIAL RECHARGE PROJECT, DOCUMENT IS DATED 09/25/1979. RESAMPLE #1.														
342602	089	41N	08E	25		CITY OF ELGIN #E-1	LAYNE-WESTERN	07/17/1974	155	RG	TH	DL	BR	
342603	089	41N	08E	25		CITY OF ELGIN #E-7-74	LAYNE-WESTERN	09/25/1974	115	RG	TH	DL	UN	
70768	089	41N	08E	25	1E	CHICAGO GRAVEL CO	HUMMEL	00/00/0000	105	OC	IC	---	---	
DOCUMENT DATED 09/06/1940														
342608	089	41N	08E	25	1G	POPLAR CREEK OUTLET SEWER CLAUDE H. HURLEY #TB-13		04/16/1974	34	RG	TB	DL	UN	
349245	089	41N	08E	25	2D	BLUFF CITY MATERIALS TRUCK REPAIR SHOP	A & C SNETLEN/C.J.	01/09/2003	90	RG	IC	DL	BR	24 69 28
328547	089	41N	08E	25	2F	DAVID WELCH/WELCH BROS. INC.	SUBURBAN DRILLING	11/01/1999	128	RG	IC	DL	BR	13 98 30

WID	FIPS T	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	LVL	GPM
70769	089	41N	08E	25	3A	SCHOOL DIST U-47	HUMMEL	00/00/1925	105	O	DO	~	50
70770	089	41N	08E	25	4F	LEE WARDS/MCGRAW ELECTRIC	O'BRIEN	00/00/1941	290	RG	IC	DL	BR
NOW LEE WARDS FORMERLY CO													
MCGRAW ELECTRIC													
346253	089	41N	08E	25	4F	LEE WARDS/MCGRAW ELECTRIC	O'BRIEN	00/00/1952	90	RG	IC	DL	UN
NOW LEE WARDS FORMERLY CO #2													
MCGRAW ELECTRIC CO.													
216109	089	41N	08E	25	4H	WOODLAND LANDFILL	MEADOW EQUIPMENT	00/00/0000	57	AG	IC	--	BR
Sealed: 12/2/87													
216110	089	41N	08E	25	4H	WOODLAND LANDFILL	MEADOW EQUIPMENT	00/00/0000	90	AG	IC	--	BR
Sealed: 12/2/87													
346513	089	41N	08E	25	5D	WELCH BROS.	SUBRUBAN WELL/JABLONSKI	11/29/2002	205	RG	DO	DL	BR
70771	089	41N	08E	25	6A	W C KENYON		00/00/1895	140	OG	DO	~	BR
70772	089	41N	08E	25	8C	JOHN W HUGHES		00/00/0000	150	C	DO	~	19
70773	089	41N	08E	25	8G	OTTO RAUSCH-GERHING MFG		00/00/0000	50	C	IC	~	~
342432	089	41N	08E	26		PAUL FLETCHER	FRANK HUMMEL	00/00/1928	38	RG	DO	~	BR
NORTH EDGE OF SOUTH ELGIN													
342610	089	41N	08E	26		MOCK & GARRY		00/00/000	125	RG	IC	DL	BR
ON OLD STONE QUARRY BARBECUE STAND													
342617	089	41N	08E	26		KERBER PACKING COMPANY #5	KERBER PACKING COMPANY	06/00/1959	68	RG	IC	DL	BR
72461	089	41N	08E	26		GEORGE KOCH		00/00/1932	50	RG	DO	~	BR
72460	089	41N	08E	26		W JOHANSEN		00/00/0000	130	OG	DO	~	BR
DOCUMENT DATED 02/08/1934													

WID	FIPS	TRNG	SEC	PLOT	OWNER	DRILL	DATE	DEPTH	TYPE	USE	TYPE	LVL	GPM
70774	089	41N	08E	26	1A	W C KENYON	00/00/1910	160	OG	DO	BR	100	12
302657	089	41N	08E	26	1D	UNKNOWN	00/00/0000	-999	I	DO	--	30	
RECORD DATED 07/10/79													
70775	089	41N	08E	26	1H	CITY OF ELGIN TEST HOLE #3	00/00/0000	10	C	TH	--		
DOCUMENT IS DATED 09/25/1979, ARTIFICIAL RECHARGE PROJECT													
302658	089	41N	08E	26	2E	KEBER PACKING CO. WELL #1 FRED HUMMELL	00/00/1920	90	O	IC	--		
ACCORDING TO SHEET WELL IS ABANDONED													
302659	089	41N	08E	26	2E	KERBER PACKING CO. WELL #2 FRED HUMMELL	00/00/1920	120	O	IC	--		
ACCORDING TO SHEET - WELL ABANDONED													
72510	089	41N	08E	26	2E	KERBER PACKING CO #4	00/00/1951	38	OG	IC	UN	23	325
72509	089	41N	08E	26	2E	KERBER PACKING CO #3	00/00/0000	50	OG	IC	UN	9	
DOCUMENT DATED 12/6/1957													
70776	089	41N	08E	26	2H	SHERMAN MORGAN	00/00/1913	17	OG	DO	UN		
70777	089	41N	08E	26	2H	SHERMAN MORGAN	00/00/1922	85	OG	DO	BR	23	
302656	089	41N	08E	26	3C	UNKNOWN	00/00/0000	-999	I	DO	--	65	
THIS RECORD DATED 7/10/79, AND NOT IN USE													
309038	089	41N	08E	26	3E	KERBER PACKING CO. WELL #2 LAYNE-WESTERN	06/17/1959	68	ORG	CS	DL	BR	1284
NOW THE VILLAGE OF SOUTH ELGIN WELL #5													
70778	089	41N	08E	26	3F	E AND E HEATING	00/00/0000	22	A	DO	--		
Sealed: 4/26/85													
302655	089	41N	08E	26	4B	UNKNOWN	00/00/0000	-999	I	--	--	16	
THIS RECORD DATED 07/09/79													
72508	089	41N	08E	26	4E	KERBER PACKING CO	00/00/0000	32	O	DO	--		
DOCUMENT DATED 02/13/1934													

WID	FIPS	RNG	SEC	PLOT	OWNER	DRILL	DATE	DEPTH	TYPE	USE	TYPE	LVL	GPM
72452	089	41N	08E	26	4E	A H BURGER	00/00/1926	20	RG	DO	UN		
70779	089	41N	08E	26	5F	DON GIEDRAITIS	03/11/1975	80	RG	DO	DL	BR	24 30 10
70780	089	41N	08E	26	5G	KERBER PACKING CO #1	00/00/0000	66	OC	IC	UN	13	42 328
DOCUMENT DATED 08/23/1963													
72453	089	41N	08E	26	6D	AMANDA GULICK	00/00/0000	300	RG	DO	UN	BR	40 12
DOCUMENT DATED 02/13/1934													

Illinois State Water Survey PICS Database

Tuesday, July 12, 2005

County: KANE

Township: 41N

Range: 08E

Sections: 23,24,25,26

Records Found: 11

Questions: Contact the Illinois State Water Survey's Ground Water Division @ (217)-333-9043

Publication: Please cite the Illinois State Water Survey's PICS (Public-Industrial-Commercial) Database in all publications based wholly or partially on this information.

Note: The data in the PICS Database is a listing of municipal and commercial wells which are known to the Illinois State Water Survey (ISWS). This information was initially entered from public water supply data and supplemented with the Illinois State Water Inventory Project data. This database is updated as additional information is received and verified.

This data cannot be resold or redistributed. The Illinois State Water Survey must be acknowledged in any use of this material.

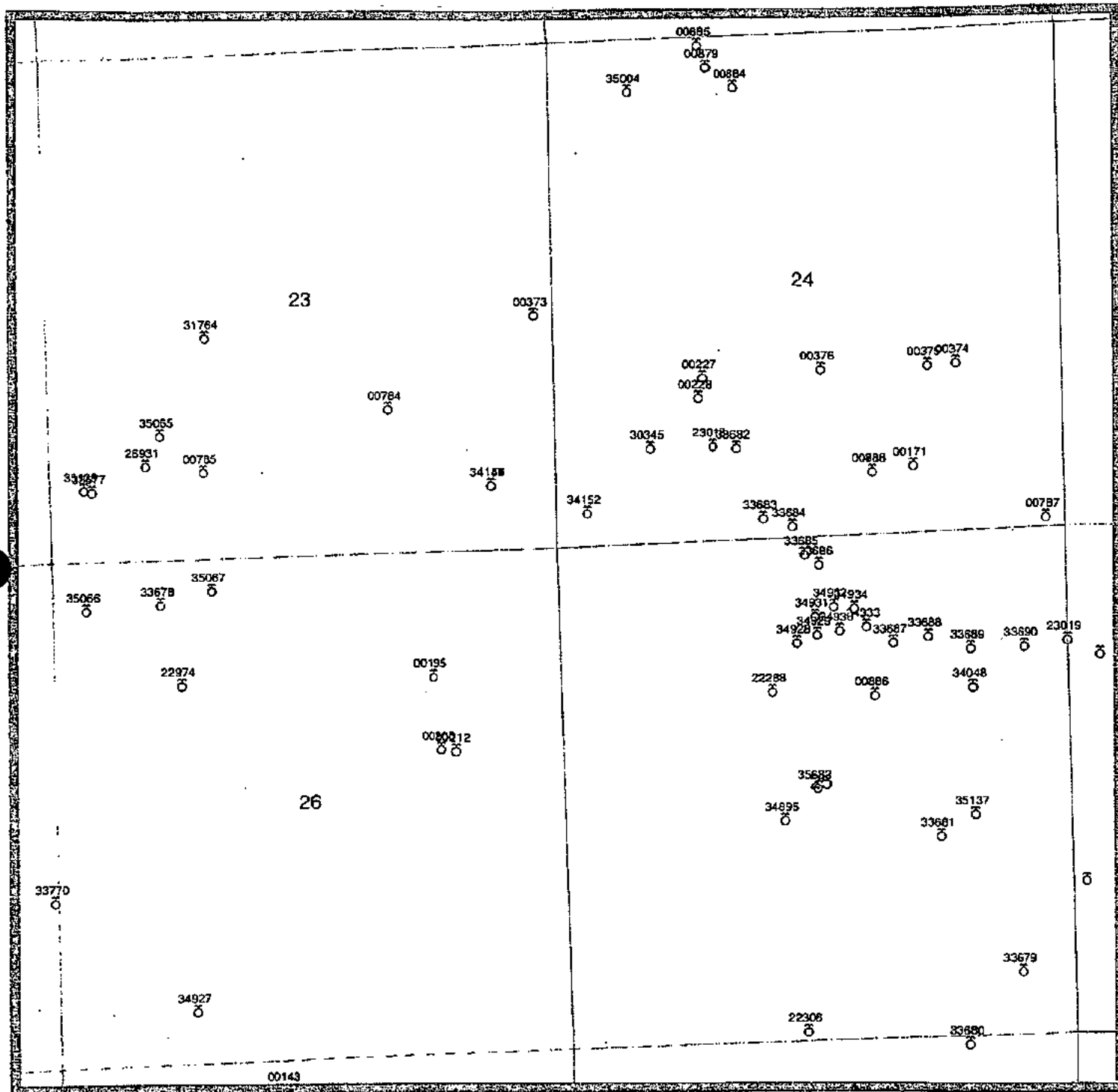
				*					
8	7	6	5	4	3	2	1		

Location of a 10-acre-plot within a section:

The origin can be found at the lower right-hand-corner of an 8 x 8 grid. In this example, the well is in the 10-acre plot '3d'.

SWSID	FIPS	RNG	SEC	PLOT	NAME	D	WELL #	DEPTH	STATUS	SEALED	TYPE	YEAR	DRILL
08995910	089	41N	08E	23	3B	ELGIN MENTAL HEALTH CENTER	2292	1	2000	D	D	1932	GRAY-MILAEGER DRL CO
08995910	089	41N	08E	23	6B	ELGIN MENTAL HEALTH CENTER	2291	2	2000	D	S	1947	LAYNE-WESTERN CO
08908833	089	41N	08E	23	6D	PRAIRIE GROUP	14563	1	200	U	D	1995	STEPHEN A SNELTEN
08994380	089	41N	08E	24	1A	ELGIN	2293	601	1978	S	S	1931	THORNE CO/S B GEIGER
08908690	089	41N	08E	24	3A	ELGIN MOLDED PLASTICS COMPANY	11570	1		U			
08994380	089	41N	08E	24	3B	ELGIN	2294	102	101	S	D	<1995	1921 KELLY WELL CO
08994380	089	41N	08E	24	3B	ELGIN	2295	203		S	-	1989	1933 KELLY WELL CO
									105				
08994380	089	41N	08E	24	3B	ELGIN	2296	603	1255	S	S	1989	1953 L CLIFF NEELY
08908790	089	41N	08E	25	2F	ILLINOIS TOOL WORKS INC	11577	1	251	E			
08908650	089	41N	08E	25	8G	DANA CORP GERBING MFG DIV	11569	1	65	U			
08990800	089	41N	08E	26	3E	SOUTH ELGIN	2297	5	68	I	D	--	1959 LAYNE-WESTERN CO

Map Area: 41N-8E-27 m3 to 41N-9E-18 m3



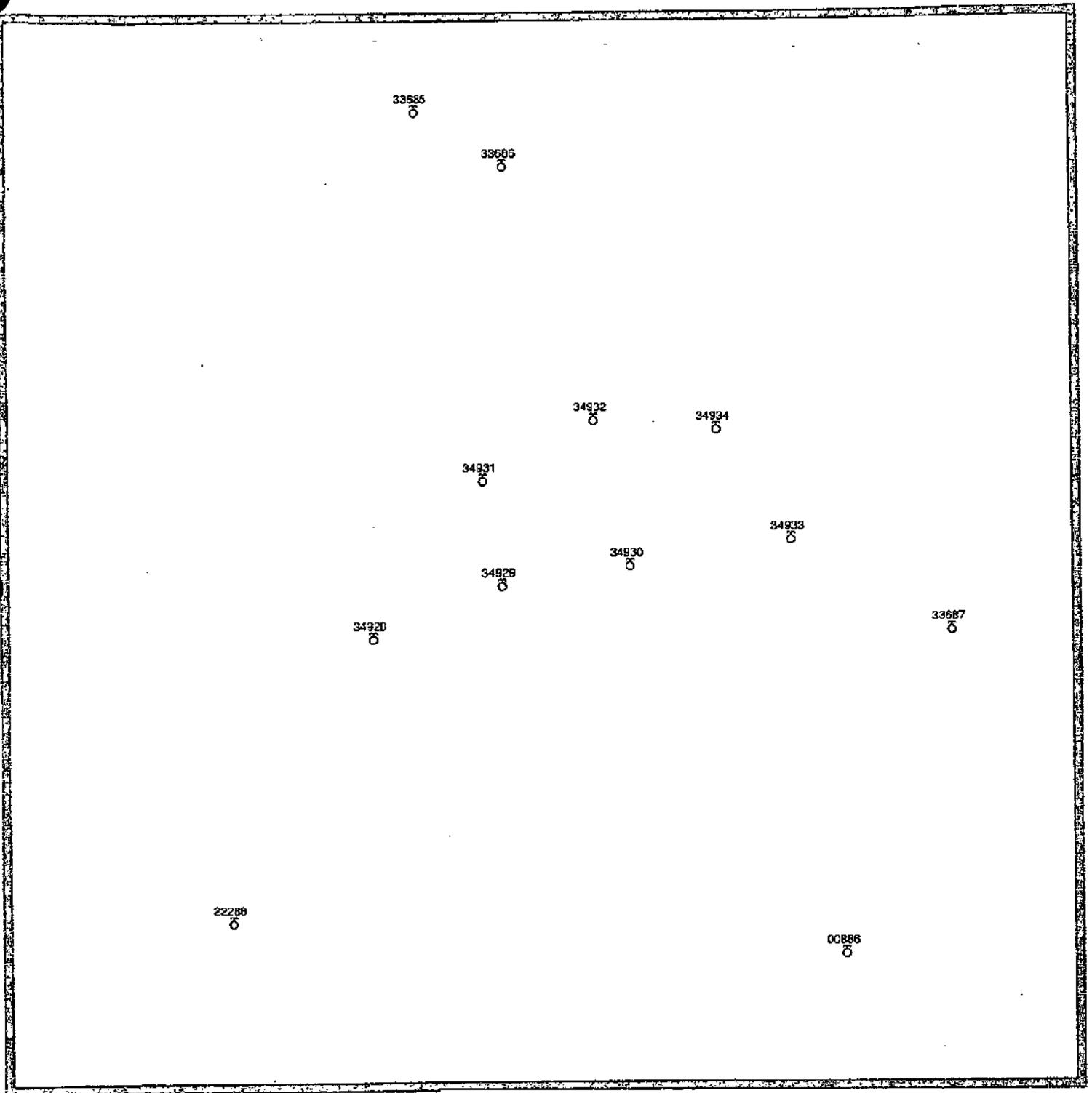
Explanation		
● Oil	☄ Gas Injection	⊘ Junked
⊛ Oil & Gas	⊙ Gas Storage	⊚ Temporarily Abandoned
☀ Gas	⊕ Salt Water Disposal	⊗ Observation
⊕ D&A - Oil Show	⊙ Water Injection	⊘ Other Injection
⊕ D&A - Gas Show	⊙ Water Supply	⊘ Confidential
⊕ D&A - Oil & Gas Show	⊙ Permit	⊘ Other Well Type
⊕ D&A	⊙ Water	+ Status Unknown
/ through any symbol indicates well is currently plugged		



Illinois State Geological Survey
QuESToR: Custom Map
 Date: 13-JUL-05 Scale: 1:18252

Displayed data is based upon information supplied to the Illinois State Geological Survey (ISGS) and are not field verified. The ISGS does not guarantee the validity, accuracy or completeness of these data.

Map Area: 41N-8E-25 m3 to 41N-8E-24 m3



Enlargement of congested area Sec. 25

Explanation		
● Oil	☼ Gas Injection	⊗ Junked
✱ Oil & Gas	⊕ Gas Storage	⊙ Tempora
☼ Gas	⊖ Salt Water Disposal	⊗ Observe
⊙ D&A - Oil Show	☼ Water Injection	⊗ Other In
⊙ D&A - Gas Show	⊕ Water Supply	□ Confider
⊙ D&A - Oil & Gas Show	○ Permit	⊗ Other W
⊙ D&A	○ Water	+ Status L.....
/ through any symbol indicates well is currently plugged		



Illinois State Geological Survey
QuEStoR: Custom Map
 Date: 13-JUL-05 Scale: 1:2940

Map data is based upon information supplied to the Illinois State Geological Survey (ISGS) and are not field verified. The ISGS does not guarantee the validity, accuracy or completeness of these data.

Non Oil and Gas - Wells

120893414600 Layne - Western Co. 23-41N- 8E
 Kane Elgin State Hospital - B-1
 Status: ENG SE SE Elev: 0
 permit: permit date: comp. date:
 Lambert X: 3328783 Lambert Y: 3272130 td: 29
 producing formation: td formation:
 latitude: 42.017104 longitude: 88.285074

120893512900 Layne-Western Co. 23-41N- 8E
 Kane Elgin E-15
 Status: WTST 750 SL 350 WL Elev: 772TM
 permit: permit date: comp. date: 10/16/74
 Lambert X: 3324544 Lambert Y: 3272082 td: 80
 producing formation: td formation:
 latitude: 42.017127 longitude: 88.300739

120893506500 Patrick Engineering 23-41N- 8E
 Kane Elgin Golf Course Borings B-6
 Status: STRAT 1300 SL 4100 EL Elev: 768
 permit: permit date: comp. date: 08/01/00
 Lambert X: 3325330 Lambert Y: 3272656 td: 35
 producing formation: td formation:
 latitude: 42.018680 longitude: 88.297806

120890078500 Layne Western Co., Inc. 23-41N- 8E
 Kane Elgin State Hosp 2
 Status: WATER 915 SL 1575 WL Elev: 760GL
 permit: 0 permit date: comp. date: 07/01/47
 Lambert X: 3325764 Lambert Y: 3272285 td: 2000
 producing formation: td formation:
 latitude: 42.017642 longitude: 88.296221

120893415000 Layne - Western Co. 23-41N- 8E
 Kane Elgin State Hospital 12
 Status: ENG SE SE Elev: 0
 permit: permit date: comp. date:
 Lambert X: 3328783 Lambert Y: 3272130 td: 19
 producing formation: td formation:
 latitude: 42.017104 longitude: 88.285074

120893415100 Layne - Western Co. 23-41N- 8E
 Kane Elgin State Hospital 13
 Status: ENG SE SE Elev: 0
 permit: permit date: comp. date:
 Lambert X: 3328783 Lambert Y: 3272130 td: 24
 producing formation: td formation:
 latitude: 42.017104 longitude: 88.285074

120893414700 Layne - Western Co. 23-41N- 8E
 Kane Elgin State Hospital B-4
 Status: ENG SE SE Elev: 0
 permit: permit date: comp. date:
 Lambert X: 3328783 Lambert Y: 3272130 td: 26
 producing formation: td formation:
 latitude: 42.017104 longitude: 88.285074

120893414800 Layne - Western Co. 23-41N- 8E
 Kane Elgin State Hospital B-7

Status: ENG	SE SE	Elev: 0
permit:	permit date:	comp. date:
Lambert X: 3328783	Lambert Y: 3272130	td: 36
producing formation:	td formation:	
latitude: 42.017104	longitude: 88.285074	
120893414900	Layne - Western Co.	23-41N- 8E
Kane	Elgin State Hospital	B-9
Status: ENG	SE SE	Elev: 0
permit:	permit date:	comp. date:
Lambert X: 3328783	Lambert Y: 3272130	td: 31
producing formation:	td formation:	
latitude: 42.017104	longitude: 88.285074	
120892693100	Weirich, William Theodore	23-41N- 8E
Kane	Hubbe, Harold	
Status: WATER	NE SW SW	Elev: 745GL
permit: 123663	permit date: 05/13/86	comp. date: 05/14/86
Lambert X: 3325172	Lambert Y: 3272346	td: 273
producing formation:	td formation:	
latitude: 42.017832	longitude: 88.298405	
120890078400	Gray Mileager Drlg	23-41N- 8E
Kane	Ill State Hospital	
Status: WATER	1500 SL 1700 EL	Elev: 738GL
permit: 0	permit date:	comp. date: 01/01/32
Lambert X: 3327726	Lambert Y: 3272932	td: 2000
producing formation:	td formation:	
latitude: 42.019353	longitude: 88.288940	
120893176400	Snelten, Stephen A.	23-41N- 8E
Kane	Prairie Group	
Status: WATER	NW NE SW	Elev: 0
permit:	permit date: 05/26/95	comp. date: 06/22/95
Lambert X: 3325798	Lambert Y: 3273693	td: 200
producing formation:	td formation:	
latitude: 42.021520	longitude: 88.296026	
120893367700	Prairie Materials Yar	23-41N- 8E
Kane		SM-98-1
Status: CROP	745 SL 4815 EL	Elev: 775
permit:	permit date:	comp. date:
Lambert X: 3324624	Lambert Y: 3272079	td: 0
producing formation:	td formation:	
latitude: 42.017116	longitude: 88.300443	
120890037300	IL Dept. of Transportation	23-41N- 8E
Kane	South State Stbridge	1
Status: ENG	2450 SL 200 EL	Elev: 757GL
permit: 0	permit date:	comp. date: 03/01/58
Lambert X: 3329211	Lambert Y: 3273928	td: 41
producing formation:	td formation:	
latitude: 42.022043	longitude: 88.283404	
120890087900	No Company	24-41N- 8E
Kane	C & Nw R R	
Status: WATER	NW NE NW	Elev: 0
permit: 0	permit date:	comp. date: 01/01/69
Lambert X: 3331018	Lambert Y: 3276524	td: 1680
producing formation:	td formation:	
latitude: 42.029129	longitude: 88.276598	

120890022800 Layne Western Co., Inc. 24-41N- 8E
Kane City Of Elgin 9-61
Status: ENG 1500 SL 1500 WL Elev: 0
permit: 0 permit date: comp. date: 06/01/61
Lambert X: 3330924 Lambert Y: 3273040 td: 37
producing formation: td formation:
latitude: 42.019533 longitude: 88.277118

120890078600 Kelly Co., Inc. 24-41N- 8E
Kane City Well 5
Status: WATER SW SE Elev: 0
permit: 0 permit date: comp. date:
Lambert X: 3332726 Lambert Y: 3272270 td: 101
producing formation: td formation:
latitude: 42.017344 longitude: 88.270499

120890017100 Neely Cliff L 24-41N- 8E
Kane Elgin City Well 3
Status: WATER 700 N 1550 W SEC Elev: 760GL
permit: permit date: comp. date:
Lambert X: 3333150 Lambert Y: 3272329 td: 1255
producing formation: td formation:
latitude: 42.017491 longitude: 88.268929

120890078700 Thorne W L & Co 24-41N- 8E
Kane Elgin City Well
Status: WATER 100 SL 200 EL Elev: 716GL
permit: 0 permit date: comp. date: 01/01/31
Lambert X: 3334508 Lambert Y: 3271782 td: 1978
producing formation: td formation:
latitude: 42.029703 longitude: 88.281939

120893034500 Sentner, Alan James 24-41N- 8E
Kane Elgin Cont. Little League
Status: WATER NE SW SW Elev: 0
permit: 013979 permit date: 08/21/89 comp. date: 09/28/89
Lambert X: 3330419 Lambert Y: 3272520 td: 250
producing formation: td formation:
latitude: 42.018119 longitude: 88.279010

120890088500 Thorne W L & Co 24-41N- 8E
Kane Elgin Nat'L Watch Co 1
Status: WATER 100 NL 1550 WL Elev: 735GL
permit: 0 permit date: comp. date: 01/01/37
Lambert X: 3330919 Lambert Y: 3276753 td: 1231
producing formation: td formation:
latitude: 42.029763 longitude: 88.276952

120890088400 Geiger, S. B. & Son 24-41N- 8E
Kane Elgin Nat'L Watch Co 2
Status: WATER 550 NL 1930 WL Elev: 705GL
permit: 0 permit date: comp. date: 01/01/37
Lambert X: 3331306 Lambert Y: 3276314 td: 1222
producing formation: td formation:
latitude: 42.028539 longitude: 88.275544

120890022700 Layne Western Co., Inc. 24-41N- 8E
Kane Elgin, City of 8-61
Status: WTST 1700 SL 1550 WL Elev: 0
permit: 0 permit date: comp. date: 06/01/61
Lambert X: 3330971 Lambert Y: 3273245 td: 51
producing formation: td formation:
latitude: 42.020096 longitude: 88.276934

120890037500 IL Dept. of Transportation 24-41N- 8E
 Kane Fa 6 Bridge 2
 Status: ENG 1750 SL 1400 EL Elev: 734GL
 permit: 0 permit date: comp. date: 05/01/58
 Lambert X: 3333284 Lambert Y: 3273384 td: 26
 producing formation: td formation:
 latitude: 42.020393 longitude: 88.268381

120890037400 IL Dept. of Transportation 24-41N- 8E
 Kane Fa 6 Bridge 2
 Status: ENG 1750 SL 1100 EL Elev: 732GL
 permit: 0 permit date: comp. date: 06/01/58
 Lambert X: 3333584 Lambert Y: 3273396 td: 39
 producing formation: td formation:
 latitude: 42.020414 longitude: 88.267272

120890037600 IL Dept. of Transportation 24-41N- 8E
 Kane Fa 6 Bridge 3
 Status: ENG 1750 SL 2500 EL Elev: 761GL
 permit: 0 permit date: comp. date: 04/01/58
 Lambert X: 3332185 Lambert Y: 3273342 td: 41
 producing formation: td formation:
 latitude: 42.020318 longitude: 88.272444

120893415200 D & G Drilling 24-41N- 8E
 Kane Kane Co. Forest Preserve B-2
 Status: ENG SW SW SW Elev: 0
 permit: permit date: comp. date:
 Lambert X: 3329771 Lambert Y: 3271831 td: 50
 producing formation: td formation:
 latitude: 42.016244 longitude: 88.281438

120893368200 Hurley, Claude 24-41N- 8E
 Kane Poplar Creek Outlet Sewe TB-2
 Status: ENG 950 SL 1900 WL Elev: 716
 permit: permit date: comp. date:
 Lambert X: 3331332 Lambert Y: 3272509 td: 36
 producing formation: td formation:
 latitude: 42.018054 longitude: 88.275637

120893368300 Hurley, Claude 24-41N- 8E
 Kane Poplar Creek Outlet Sewe TB-3
 Status: ENG 200 SL 3100 EL Elev: 718
 permit: permit date: comp. date:
 Lambert X: 3331608 Lambert Y: 3271769 td: 39
 producing formation: td formation:
 latitude: 42.016005 longitude: 88.274654

120893368400 Hurley, Claude 24-41N- 8E
 Kane Poplar Creek Outlet Sewe TB-4
 Status: ENG 100 SL 2800 EL Elev: 702
 permit: permit date: comp. date:
 Lambert X: 3331909 Lambert Y: 3271681 td: 24
 producing formation: td formation:
 latitude: 42.015752 longitude: 88.273547

120892301800 Hurley Claude H Co 24-41N- 8E
 Kane Poplar Crk Sewer TB-1
 Status: ENG NW SE SW Elev: 705GL
 permit: 0 permit date: comp. date: 04/01/74
 Lambert X: 3331077 Lambert Y: 3272542 td: 24

producing formation: td formation:
latitude: 42.018155 longitude: 88.276578

120890088300 Kelly Co., Inc. 24-41N- 8E
Kane St Charles St Well
Status: WATER SW SE Elev: 0
permit: 0 permit date: comp. date:
Lambert X: 3332726 Lambert Y: 3272270 td: 117
producing formation: td formation:
latitude: 42.017344 longitude: 88.270499

120893500400 ??? 24-41N- 8E
Kane Valley wall slope E-37
Status: CROP 4750 SL 4450 EL Elev: 715GL
permit: permit date: comp. date: 01/01/27
Lambert X: 3330192 Lambert Y: 3276264 td: 8
producing formation: td formation:
latitude: 42.028443 longitude: 88.279663

120893513700 Snelten, Stephen A. 25-41N- 8E
Kane Bluff City Materials
Status: WATER NW NE SE Elev: 0
permit: permit date: 11/21/02 comp. date: 01/09/03
Lambert X: 3333788 Lambert Y: 3268675 td: 90
producing formation: td formation:
latitude: 42.007399 longitude: 88.266755

120893492900 Harding Lawson Associates 25-41N- 8E
Kane DSM Desotech Facility CERCLIS G105
Status: ENG 4254 SL 2574 EL Elev: 711GL
permit: permit date: comp. date: 01/01/96
Lambert X: 3332158 Lambert Y: 3270555 td: 15
producing formation: td formation:
latitude: 42.012640 longitude: 88.272683

120893493100 Harding Lawson Associates 25-41N- 8E
Kane DSM Desotech Facility CERCLIS G107
Status: ENG 4438 SL 2602 EL Elev: 706GL
permit: permit date: comp. date: 01/01/96
Lambert X: 3332127 Lambert Y: 3270738 td: 20
producing formation: td formation:
latitude: 42.013145 longitude: 88.272788

120893493200 Harding Lawson Associates 25-41N- 8E
Kane DSM Desotech Facility CERCLIS G108
Status: ENG 4538 SL 2408 EL Elev: 707GL
permit: permit date: comp. date: 01/01/96
Lambert X: 3332318 Lambert Y: 3270845 td: 17
producing formation: td formation:
latitude: 42.013433 longitude: 88.272077

120893493300 Harding Lawson Associates 25-41N- 8E
Kane DSM Desotech Facility CERCLIS G110
Status: ENG 4314 SL 2074 EL Elev: 709GL
permit: permit date: comp. date: 01/01/97
Lambert X: 3332657 Lambert Y: 3270633 td: 22
producing formation: td formation:
latitude: 42.012836 longitude: 88.270835

120893493400 Harding Lawson Associates 25-41N- 8E
Kane DSM Desotech Facility CERCLIS G111
Status: ENG 4512 SL 2197 EL Elev: 707GL

permit: permit date: comp. date: 01/01/97
Lambert X: 3332530 Lambert Y: 3270826 td: 25
producing formation: td formation:
latitude: 42.013373 longitude: 88.271295

120893492800 --- Harding-Lawson-Associates --- 25-41N- 8E
Kane DSM Desotech Facility CERCLIS
Status: ENG 4168 SL 2798 EL Elev: 712GL
permit: permit date: comp. date: 01/01/94
Lambert X: 3331936 Lambert Y: 3270461 td: 18
producing formation: td formation:
latitude: 42.012389 longitude: 88.273508

120893493000 Harding Lawson Associates 25-41N- 8E
Kane DSM-Desotech Facility CERCLIS G106
Status: ENG 4280 SL 2352 EL Elev: 710GL
permit: permit date: comp. date: 01/01/96
Lambert X: 3332380 Lambert Y: 3270589 td: 17
producing formation: td formation:
latitude: 42.012725 longitude: 88.271861

120892228800 Layne Western Co., Inc. 25-41N- 8E
Kane Elgin City E-1
Status: WATER 1600 NL 2200 WL Elev: 720GL
permit: 0 permit date: comp. date: 07/01/74
Lambert X: 3331690 Lambert Y: 3269969 td: 155
producing formation: td formation:
latitude: 42.011042 longitude: 88.274441

120893568300 IL Department of Transportation 25-41N- 8E
Kane Elgin Road District 1
Status: ENG Elev: 708GL
permit: permit date: comp. date: 04/12/86
Lambert X: 3332142 Lambert Y: 3268945 td: 55
producing formation: td formation:
latitude: 42.008204 longitude: 88.272822

120892230600 Layne Western Co., Inc. 25-41N- 8E
Kane Elgin, City of E-7-74
Status: WTST 100 SL 2450 WL Elev: 755TM
permit: 0 permit date: comp. date: 09/01/74
Lambert X: 3332039 Lambert Y: 3266397 td: 115
producing formation: td formation:
latitude: 42.001187 longitude: 88.273330

120890088600 O'Brien, Edward S. 25-41N- 8E
Kane McGraw Electric Co
Status: WATER 1700 NL 2000 EL Elev: 0TM
permit: 0 permit date: comp. date: 01/01/39
Lambert X: 3332746 Lambert Y: 3269908 td: 290
producing formation: td formation:
latitude: 42.010835 longitude: 88.270543

120893368500 Hurley, Claude 25-41N- 8E
Kane Poplar Creek Outlet Sewe TB-5
Status: ENG 200 NL 2700 EL Elev: 714
permit: permit date: comp. date:
Lambert X: 3332015 Lambert Y: 3271385 td: 51
producing formation: td formation:
latitude: 42.014932 longitude: 88.273170

120893368600 Hurley, Claude 25-41N- 8E

Kane	Poplar Creek Outlet Sewe	TB-6
Status: ENG	300 NL 2550 EL	Elev: 700
permit:	permit date:	comp. date:
Lambert X: 3332167	Lambert Y: 3271291	td: 41
producing formation:	td formation:	
latitude: 42.014667	longitude: 88.272613	
120893368700	Hurley, Claude	25-41N- 8E
Kane	Poplar Creek Outlet Sewe	TB-9
Status: ENG	1150 NL 1800 EL	Elev: 717
permit:	permit date:	comp. date:
Lambert X: 3332934	Lambert Y: 3270471	td: 31
producing formation:	td formation:	
latitude: 42.012379	longitude: 88.269820	
120893368800	Hurley, Claude	25-41N- 8E
Kane	Poplar Crk Outlet Sewe	TB-10
Status: ENG	1100 NL 1450 EL	Elev: 714
permit:	permit date:	comp. date:
Lambert X: 3333283	Lambert Y: 3270534	td: 26
producing formation:	td formation:	
latitude: 42.012540	longitude: 88.268527	
120893368900	Hurley, Claude	25-41N- 8E
Kane	Poplar Crk Outlet Sewe	TB-11
Status: ENG	1250 NL 1000 EL	Elev: 710
permit:	permit date:	comp. date:
Lambert X: 3333735	Lambert Y: 3270402	td: 21
producing formation:	td formation:	
latitude: 42.012159	longitude: 88.266864	
120893369000	Hurley, Claude	25-41N- 8E
Kane	Poplar Crk Outlet Sewe	TB-12
Status: ENG	1250 NL 450 EL	Elev: 709
permit:	permit date:	comp. date:
Lambert X: 3334285	Lambert Y: 3270423	td: 24
producing formation:	td formation:	
latitude: 42.012197	longitude: 88.264831	
120892301900	Hurley Claude H Co	25-41N- 8E
Kane	Poplar Crk Sewer	TB-13
Status: ENG	1200 NL EL	Elev: 724GL
permit: 0	permit date:	comp. date: 04/01/74
Lambert X: 3334734	Lambert Y: 3270490	td: 34
producing formation:	td formation:	
latitude: 42.012364	longitude: 88.263169	
120893367900	Patrick Drilling	25-41N- 8E
Kane	SWANCC Balefill Borin	B-6
Status: ENG	4640 NL 550 EL	Elev: 746
permit:	permit date:	comp. date:
Lambert X: 3334254	Lambert Y: 3267032	td: 0
producing formation:	td formation:	
latitude: 42.002854	longitude: 88.265116	
120893368100	Patrick Drilling	25-41N- 8E
Kane	SWANCC Balefill Boring	B-90
Status: ENG	2100 SL 1350 EL	Elev: 746
permit:	permit date:	comp. date:
Lambert X: 3333425	Lambert Y: 3268446	td: 25
producing formation:	td formation:	
latitude: 42.006781	longitude: 88.268107	

120893489500 John A. Jablonski 25-41N- 8E
 Kane Welch, David D.
 Status: WATER NE NE SW Elev: 0
 permit: permit date: 11/12/02 comp. date: 11/29/02
 Lambert X: 3331822 Lambert Y: 3268603 td: 205
 producing formation: td formation:
 latitude: 42.007274 longitude: 88.274021

120893404800 John A. Jablonski 25-41N- 8E
 Kane Welch, David/Welch Bros., Inc.
 Status: WATER NW SE NE Elev: 0
 permit: permit date: 10/06/99 comp. date: 11/01/99
 Lambert X: 3333759 Lambert Y: 3269998 td: 128
 producing formation: td formation:
 latitude: 42.011045 longitude: 88.266796

120893506600 Patrick Engineering 26-41N- 8E
 Kane Elgin Golf Course Borings B-7
 Status: STRAT 4780 SL 4900 EL Elev: 758
 permit: permit date: comp. date: 08/01/00
 Lambert X: 3324566 Lambert Y: 3270819 td: 34
 producing formation: td formation:
 latitude: 42.013646 longitude: 88.300719

120893506700 Patrick Engineering 26-41N- 8E
 Kane Elgin Golf Course Borings B-8
 Status: STRAT 4950 SL 3600 EL Elev: 783
 permit: permit date: comp. date: 08/01/00
 Lambert X: 3325860 Lambert Y: 3271033 td: 42
 producing formation: td formation:
 latitude: 42.014189 longitude: 88.295928

120892297400 Burgess, Wayne Jr. 26-41N- 8E
 Kane Gledraitis Don 85
 Status: WATER NW Elev: 0
 permit: 0 permit date: comp. date: 03/01/75
 Lambert X: 3325548 Lambert Y: 3270040 td: 80
 producing formation: td formation:
 latitude: 42.011464 longitude: 88.297129

120890020800 Obrien 26-41N- 8E
 Kane Kerber Packing
 Status: WATER 2075 NL 1250 EL Elev: 704GL
 permit: 0 permit date: comp. date: 01/01/51
 Lambert X: 3328256 Lambert Y: 3269373 td: 38
 producing formation: td formation:
 latitude: 42.009527 longitude: 88.287157

120890019500 Layne Western Co., Inc. 26-41N- 8E
 Kane Kerber Packing Co 5
 Status: WATER NE Elev: 705GL
 permit: 0 permit date: comp. date: 06/01/59
 Lambert X: 3328172 Lambert Y: 3270123 td: 68
 producing formation: td formation:
 latitude: 42.011597 longitude: 88.287430

120890021200 No Company 26-41N- 8E
 Kane Kerber Packing Co
 Status: WATER 2100 NL 1100 EL Elev: 706GL
 permit: 0 permit date: comp. date:
 Lambert X: 3328407 Lambert Y: 3269353 td: 50
 producing formation: td formation:

latitude: 42.009467 longitude: 88.286500

120893492700 ??? 26-41N- 8E
Kane Outcrop E-17
Status: CROP 550 SL 3900 EL Elev: 715GL
permit: permit date: comp. date:
Lambert X: 3325682 Lambert Y: 3266627 td: 8
producing formation: td formation:
latitude: 42.002055 longitude: 88.296801

120893367800 26-41N- 8E
Kane Prairie Materials Yar SM-98-1
Status: CROP 4815 SL 4140 EL Elev: 780
permit: permit date: comp. date:
Lambert X: 3325324 Lambert Y: 3270880 td: 0
producing formation: td formation:
latitude: 42.013787 longitude: 88.297915

120893377000 Testing Service Corporation 27-41N- 8E
Kane Bowes Rd Interceptor Sewe 6
Status: ENG 3550 NL 50 EL Elev: 809
permit: permit date: comp. date:
Lambert X: 3324225 Lambert Y: 3267772 td: 23
producing formation: td formation:
latitude: 42.005263 longitude: 88.302127

120893368000 Patrick Drilling 36-41N- 8E
Kane SWANCC Balefill Borin B-77
Status: ENG 100 NL 1100 EL Elev: 752
permit: permit date: comp. date:
Lambert X: 3333722 Lambert Y: 3265257 td: 91
producing formation: td formation:
latitude: 42.000739 longitude: 88.267120

120313408000 Patrick Engineering, Inc. 30-41N- 9E
Cook Bluff City Mine B-3-02
Status: ENG 1350 NL 340 WL Elev: 742GL
permit: permit date: comp. date: 11/22/02
Lambert X: 3335076 Lambert Y: 3270349 td: 110
producing formation: td formation:
latitude: 42.011963 longitude: 88.261912

120313342100 Patrick Drilling 30-41N- 9E
Cook SWANCC Balefill Borin B-17
Status: ENG 3730 NL 130 WL Elev: 750
permit: permit date: comp. date:
Lambert X: 3334915 Lambert Y: 3267965 td: 69
producing formation: td formation:
latitude: 42.005400 longitude: 88.262627



Kane County Health Department

1330 N Highland Avenue
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113 S Grove Avenue
Elgin, IL 60120
Phone (847) 695-0848
Fax (847) 695-0988

ENVIRONMENTAL FILE INVESTIGATION REPORT

To: Dakota Prentice
Project Manager

From: Sharon Verzal, LEHP
Environmental Health Field Supervisor

Re: Former Elgin Mental Health Center

Date: July 18, 2005

Per your request we have scanned our records (1992- present) for any documents relative to the site referenced above.

This search of our records found no information regarding current/former wells and/or septic systems on the subject property. However, a search of the online data site for the Illinois State Water Survey revealed several wells in the area, please contact their offices for further information. The number is 217-782-4977. If you have any further questions, please contact me at 630-444-3040.

APPENDIX G
TACO CALCULATIONS

Equation R-26
 Predicted Extent of Lead Migration

Contaminant of Concern	Lead
Conc. at the Source -- C_{source} - $\mu\text{g/L}$:	Conc. in GW at MW-5 14 ppb
Dist. along centerline of gw plume in direction of gw flow (X) - cm: Site Specific	83.06058307 feet 2.532 cm
Source width perpendicular to gw flow direction in horiz. plane (S _w) - cm: Site Specific	80 feet 2.438 cm
Source width perpendicular to gw flow direction in vert. plane (S _d) - cm: 200 or Site Specific	200
First Order Degradation Constant (λ) - day ⁻¹ : Chemical Specific Appendix C, Table E	0
Hydraulic Conductivity (K) - cm/day: Site Specific	1.00E-01 cm/s 8640 cm/day
Hydraulic Gradient (h) - cm/cm: Site Specific	0.006
n (Total Soil Porosity) - L pore/L soil 0.43, or Gravel = 0.35, Sand = 0.32, Silt = 0.40, Clay = 0.36, or Calculated	0.43
Longitudinal Dispersivity (α _L) - cm R-16 (α _L = 0.10 * X):	253.17
Transverse Dispersivity (α _T) - cm R-17 (α _T = α _L / 3):	84.39
Vertical Dispersivity (α _V) - cm R-18 (α _V = α _L / 20):	12.66
Error Functions: B = S / (4 * SQRT(α _L * X))	1.32
From App. C, Table G enter corresp. error function value -- erf(B):	0.937837729
B = S / (2 * SQRT(α _L * X))	0.56
From App. C, Table G enter corresp. error function value -- erf(B):	0.570464759
Specific Discharge (U) - cm/day R-19 (U = K * i * θ):	120.558
R-26 (Concentration at distance(X) from the source -- C_x - $\mu\text{g/L}$): Tier I GRO, Class II Groundwater ($\mu\text{g/L}$):	7.490 ppb 7.5 ppb

Contaminant of Concern	Lead
Intermediate Solutions:	0
$a = X / 2 * \alpha_L$	5
$b = \text{SQRT}(1 + (4 * \alpha_L * C_{source} / U))$	1.000
$c = (1 - b) * a$	0.000
$d = \text{EXP}(c)$	1.000
$C_x = d * \text{erf}(B2) * \text{erf}(B1) * C_{source}$	7.49

= Chemical Specific
 = Site Specific

Contaminant of Concern	Lead
Required concentration at a distance (x) from source (C(x)) - mg/L:	
Applicable GRO - Chemical Specific	7.5 ppb
Dist. along centerline of gw. plume in direction of gw flow (X) - cm:	360 feet
Site Specific	10,973 cm
Source width perpendicular to gw flow direction in horiz. plane (Sw) - cm:	80 feet
Site Specific	2,438 cm
Source width perpendicular to gw flow direction in vert. plane (Sd) - cm:	
200 or Site Specific	200
First Order Degradation Constant (λ) - day ⁻¹ :	
Chemical Specific	
Appendix C, Table E	0
Hydraulic Conductivity (K) - cm/day:	1.00E-01 cm/s
Site Specific	8640 cm/day
Hydraulic Gradient (i) - cm/cm:	
Site Specific	0.006
n (Total Soil Porosity) - L pore/L soil	
0.43, or Gravel = 0.25, Sand = 0.32, Silt = 0.40, Clay = 0.36, or Calculated	0.43
Longitudinal Dispersivity (α_L) - cm	
R-16 $\alpha_L = 0.10 * X$:	1097.28
Transverse Dispersivity (α_T) - cm	
R-17 $\alpha_T = \alpha_L / 3$:	365.76
Vertical Dispersivity (α_V) - cm	
R-18 $\alpha_V = \alpha_T / 20$:	54.86
Error Functions:	
$B_1 = S_w / (4 * \text{SQRT}(\alpha_L * X))$	0.30
From App. C, Table G enter corresp. error function value -- erf(B ₁):	0.333045471
$B_2 = S_d / (2 * \text{SQRT}(\alpha_V * X))$	0.13
From App. C, Table G enter corresp. error function value -- erf(B ₂):	0.144628283
Specific Discharge (U) - cm/day	
R-19 $U = K * i / \theta_r$:	120.558
R-26 Concentration at Source	
$C_{(source)}$ - $\mu\text{g/L}$:	156

Intermediate Solutions:

	COC-1
Contaminant of Concern	Lead
$a = X / (2 * \alpha_L)$	5
$b = \text{SQRT} (1 + (4 * \lambda * \alpha_L / U))$	1.000
$c = (1 - b) * a$	0.000
$d = \text{EXP}(c)$	1.000
$C_{(source)} = C(x) / (d * \text{erf}(B_2) * \text{erf}(B_1))$	155.71

= Chemical Specific

] = Site Specific

- Default Value

**Equation S-17
Migration to Groundwater**

Contaminant of Concern	Benzo(a)Anthracene
<u>Gwobj (Groundwater Remediation Objective) - mg/L:</u> Tier 1, Class I GRO Appendix B, Table E	0.00013
<u>DF (Dilution Factor) - unitless</u> S22 in App. C, Table B or 20	20
<u>Koc (Organic Carbon Partition Coef) - cm³/g or L/kg</u> Chemical Specific Appendix C, Table E or Appendix C, Table I	398,000
<u>f_{oc} (Organic Carbon Content) - g/g</u> Surface Soil = 0.006 Subsurface Soil = 0.002 or Site Specific	0.01102
<u>θ_w (Water Filled Porosity) - L_{water}/L_{soil}</u> Surface Soil (top 1 meter) = 0.15, Subsurface Soil (below 1 meter) = 0.30 or Gravel = 0.20, Sand = 0.18, Silt = 0.16, Clay = 0.17 or Calculated	0.3
<u>θ_a (Air Filled Porosity) - L_{pore}/L_{soil}</u> Surface Soil (top 1 meter) = 0.28, Subsurface Soil (below 1 meter) = 0.13 or Gravel = 0.05, Sand = 0.14, Silt = 0.24, Clay = 0.19 or Calculated	0.13
<u>ρ_b (Dry Soil Bulk Density) - kg/L or g/cm³</u> 1.5 or Gravel = 2.0, Sand = 1.8, Silt = 1.6, Clay = 1.7 or Site Specific	1.5
<u>H' (Henry's Law Constant) - unitless</u> Chemical Specific Appendix C, Table E	0.000137
Target Soil Leachate Concentration (C _w) - mg/L S-18 C _w = DF * Gw _{obj} :	0.00
Soil-Water Partition Coefficient (K _d) - cm ³ /g S-19 K _d = K _{oc} * f _{oc} :	4385.96
Soil Remediation Objective - Soil Component of Groundwater Ingestion Exposure Route (mg/kg) S-17 C _{soil} = C _w * (K _d + (θ _w + θ _a * H')) / ρ _b :	11,404

Tier 2 SRO - Migration to Class I Groundwater (ppb):	11,404
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= Chemical Specific
 = Site Specific

**Equation S-5
Construction Worker Inhalation**

Infinite Source of Contamination

Contaminant of Concern	Naphthalene
n (Total Soil Porosity) - Lpore/Lsoil 0.43, or Gravel = 0.25, Sand = 0.32, Silt = 0.40, Clay = 0.36, or Calculated	0.43
D_w (Diffusivity in Water) - cm ² /s Chemical Specific Appendix C, Table E	7.50E-06
θ_w (Water Filled Porosity) - Lwater/Lsoil Surface Soil (top 1 meter) = 0.15, Subsurface Soil (below 1 meter) = 0.30 or Gravel = 0.20, Sand = 0.18, Silt = 0.16, Clay = 0.17 or Calculated	0.3
H' (Henry's Law Constant) - unitless Chemical Specific Appendix C, Table E	0.0198
D_i (Diffusivity in Air) - cm ² /s Chemical Specific Appendix C, Table E	5.90E-02
θ_a (Air Filled Porosity) - Lair/Lsoil Surface Soil (top 1 meter) = 0.28, Subsurface Soil (below 1 meter) = 0.13 or Gravel = 0.05, Sand = 0.14, Silt = 0.24, Clay = 0.19 or Calculated	0.13
ρ_b (Dry Soil Bulk Density) - kg/L or g/cm ³ 1.5 or Gravel = 2.0, Sand = 1.8, Silt = 1.6, Clay = 1.7 or Site Specific	1.5
T (Exposure Interval) - s Res. = 9.5e8, Ind/Com = 7.9e8, Const. Work. = 3.6e6	3.60E+06
Q/C - (g/m ² *s)/(kg/m ³) Res. = 68.81, Ind/Com = 85.81, Const. Work. = 85.81	85.81
ED (Exposure Duration) - yr Res. = 30, Ind/Com = 25, Const. Work. = 1	1
EF (Exposure Frequency) - d/yr Res. = 350, Ind./Com. = 250, Const. Work. = 30	30
AT (Averaging Time for Non-Carcinogens) - yr Res. = 30, Ind./Com. = 25, Const. Work. = 0.115	0.115
THQ (Target Hazard Quotient) 1	1.00E+00
K_{oc} (Organic Carbon Partition Coef) - cm ³ /g or L/kg Chemical Specific Appendix C, Table E or Appendix C, Table I	2000
R_{fc} (Inhalation Risk Factor - Chronic) - (mg/m ³)-1 Toxicological Specific http://www.epa.gov/tris/	3.00E-03
f_{oc} (Organic Carbon Content) - g/g Surface Soil = 0.006, Subsurface Soil = 0.002, or Site Specific	0.01102
S19 (Soil-Water Part. Coef.) - cm ³ /g	22.04
S10 (Apparent Diffusivity) - cm ² /s	2.34E-07
S8 (Volatilization Factor) - m ³ /kg	19869.05
S9 (Volatilization Factor - Construction Worker) - m ³ /kg	1986.905289
S5 (mg/kg or ppm) Remediation Objectives for Non-Carcinogenic Contaminants - Construction Worker	8.34E+00
S5 (ug/kg or ppb) Remediation Objectives for Non-Carcinogenic Contaminants - Construction Worker	8.34E+03
Tier II SROs - Inhalation (ug/kg or ppb)	8,340

= Chemical Specific
= Site Specific
= Default Values

APPENDIX H
LABORATORY REPORTS

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 3
 Date: 07/30/2004
 Log #: L95295-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-101 (6-9)
 Date Sampled: 07/21/2004
 Time Sampled: 10:01
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Extr.		Anly. Date	Analyst
				Limit	Date		
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Benzo (a) anthracene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Benzo (a) pyrene	BDL	ug/kg (dw)	3550/8270	75	07/27	07/27	LN
Benzo (b) fluoranthene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Benzo (k) fluoranthene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Dibenzo (a, h) Anthracene	BDL	ug/kg (dw)	3550/8270	75	07/27	07/27	LN
Indeno (1, 2, 3-c, d) pyrene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Benzo (g, h, i) perylene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	410	07/27	07/27	LN
Dilution Factor	1.0		3550/8270		07/27	07/27	LN
Surrogate Recoveries:							
Nitrobenzene-d5	58	%	3550/8270	15-121	07/27	07/27	LN
2-Fluorobiphenyl	58	%	3550/8270	42-111	07/27	07/27	LN
Terphenyl-d14	65	%	3550/8270	37-143	07/27	07/27	LN
Percent Solids							
Percent Solid	80	%	SM2540B	0.10	07/23	07/23	KB
Volatile Organic Compounds							
MEK (2-Butanone)	BDL	ug/kg (dw)	5035/8260	47	07/21	07/30	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	47	07/21	07/30	SV
MIBK (4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	47	07/21	07/30	SV

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 3
 Date: 07/30/2004
 Log #: L95295-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-101 (6-9)

Date Sampled: 07/21/2004
 Time Sampled: 10:01
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.94	07/21	07/30	SV
Acetone	100	ug/kg (dw)	5035/8260	87	07/21	07/30	SV
Benzene	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	470	07/21	07/30	SV
Carbon Disulfide	91	ug/kg (dw)	5035/8260	47	07/21	07/30	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	9.4	07/21	07/30	SV
Styrene	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
Toluene	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	9.4	07/21	07/30	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.8	07/21	07/30	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.7	07/21	07/30	SV
MTBE	BDL	ug/kg (dw)	5035/8260	47	07/21	07/30	SV
Dilution Factor	0.75		5035/8260		07/21	07/30	SV
Surrogate Recoveries:							
Dibromofluoromethane	57	%	5035/8260	52-155	07/21	07/30	SV

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
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 Date: 07/30/2004
 Log #: L95295-1

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-101 (6-9)
 Date Sampled: 07/21/2004
 Time Sampled: 10:01
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Toluene-D8	50	%	5035/8260	46-154	07/21	07/30	SV
4-Bromofluorobenzene	22 MI	%	5035/8260	36-138	07/21	07/30	SV
General Chemistry							
pH	7.91	pH Units	9045	0.10	07/29	07/29	SA
Metals							
Arsenic	3900	ug/kg (dw)	3050/6010	630	07/26	07/26	VR
Barium	51000	ug/kg (dw)	3050/6010	1300	07/26	07/26	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1300	07/26	07/26	VR
Chromium	9300	ug/kg (dw)	3050/6010	1300	07/26	07/26	VR
Lead	11000	ug/kg (dw)	3050/6010	1300	07/26	07/26	VR
Selenium	BDL	ug/kg (dw)	3050/6010	1300	07/26	07/26	VR
Silver	BDL	ug/kg (dw)	3050/6010	1300	07/26	07/26	VR
Mercury	BDL	mg/kg (dw)	7471	0.13	07/24	07/25	EB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLLEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Lawrence Kruk

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 Date: 07/30/2004
 Log #: L95295-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-103 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 11:24
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	74	07/24	07/27	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	74	07/24	07/27	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	410	07/24	07/27	LN
Dilution Factor	1.0		3550/8270		07/24	07/27	LN
Surrogate Recoveries:							
Nitrobenzene-d5	60	%	3550/8270	15-121	07/24	07/27	LN
2-Fluorobiphenyl	50	%	3550/8270	42-111	07/24	07/27	LN
Terphenyl-d14	58	%	3550/8270	37-143	07/24	07/27	LN
Percent Solids							
Percent Solid	81	%	SM2540B	0.10	07/23	07/23	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	48	07/21	07/30	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	48	07/21	07/30	SV
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	48	07/21	07/30	SV

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 Date: 07/30/2004
 Log #: L95295-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-103 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 11:24
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.95	07/21	07/30	SV
Acetone	100	ug/kg (dw)	5035/8260	88	07/21	07/30	SV
Benzene	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	480	07/21	07/30	SV
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	48	07/21	07/30	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	9.5	07/21	07/30	SV
Styrene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Toluene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	9.5	07/21	07/30	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.8	07/21	07/30	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
MTBE	BDL	ug/kg (dw)	5035/8260	48	07/21	07/30	SV
Dilution Factor	0.77		5035/8260		07/21	07/30	SV
Surrogate Recoveries:							
Dibromofluoromethane	34 MI	%	5035/8260	52-155	07/21	07/30	SV

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 Date: 07/30/2004
 Log #: L95295-2

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-103 (9-12)
 Date Sampled: 07/21/2004
 Time Sampled: 11:24
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Toluene-D8	14 MI	%	5035/8260	46-154	07/21	07/30	SV
4-Bromofluorobenzene	6.3 MI	%	5035/8260	36-138	07/21	07/30	SV
General Chemistry							
pH	7.20	pH Units	9045	0.10	07/29	07/29	SA
Metals							
Arsenic	8100	ug/kg (dw)	3050/6010	620	07/26	07/26	VR
Barium	140000	ug/kg (dw)	3050/6010	1200	07/26	07/26	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1200	07/26	07/26	VR
Chromium	15000	ug/kg (dw)	3050/6010	1200	07/26	07/26	VR
Lead	14000	ug/kg (dw)	3050/6010	1200	07/26	07/26	VR
Selenium	BDL C23	ug/kg (dw)	3050/6010	1500	07/26	07/26	VR
Silver	BDL	ug/kg (dw)	3050/6010	1200	07/26	07/26	VR
Mercury	BDL	mg/kg (dw)	7471	0.12	07/24	07/25	EB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# ES6240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Lawrence Kruk

Page: Page 1 of 5
 Date: 07/30/2004
 Log #: L95295-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-104 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 12:15
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds							
2,4,5-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
2,4,6-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
2,4-Dichlorophenol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
2,4-Dimethylphenol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
2,4-Dinitrophenol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
2-Chlorophenol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
4,6-Dinitro-2-Methylphenol	BDL	ug/kg (dw)	3550/8270	1800	07/23	07/26	LN
2-Methylphenol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
2-Nitrophenol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
4-Chloro-3-Methylphenol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
3&4-Methylphenol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
4-Nitrophenol	BDL	ug/kg (dw)	3550/8270	1800	07/23	07/26	LN
Benzoic Acid	BDL	ug/kg (dw)	3550/8270	1800	07/23	07/26	LN
Pentachlorophenol	BDL	ug/kg (dw)	3550/8270	1800	07/23	07/26	LN
Phenol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
1,2,4-Trichlorobenzene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
1,2-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
1,3-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
1,4-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
2,4-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
2,6-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
2-Chloronaphthalene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
2-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
2-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1800	07/23	07/26	LN
3,3'-Dichlorobenzidine	BDL	ug/kg (dw)	3550/8270	700	07/23	07/26	LN
3-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1800	07/23	07/26	LN
4-Bromophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
4-Chloroaniline	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
4-Chlorophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN

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 Date: 07/30/2004
 Log #: L95295-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-104 (9-12)
 Date Sampled: 07/21/2004
 Time Sampled: 12:15
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
4-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1800	07/23	07/26	LN
Bis(2-Chloroethoxy)methane	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Bis(2-Chloroethyl) Ether	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Bis(2-Ethylhexyl) Phthalate	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Butylbenzylphthalate	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Carbazole	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Di-N-Butylphthalate	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Di-N-Octylphthalate	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Dibenzofuran	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Diethylphthalate	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Dimethylphthalate	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Hexachlorobenzene	BDL	ug/kg (dw)	3550/8270	100	07/23	07/26	LN
Hexachlorobutadiene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Hexachlorocyclopentadiene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Hexachloroethane	BDL	ug/kg (dw)	3550/8270	100	07/23	07/26	LN
Isophorone	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
N-Nitrosodi-n-propylamine	BDL	ug/kg (dw)	3550/8270	63	07/23	07/26	LN
N-Nitrosodiphenylamine	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Nitrobenzene	BDL	ug/kg (dw)	3550/8270	100	07/23	07/26	LN
N-Nitrosodimethylamine	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Aniline	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Benzyl Alcohol	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Bis(2-Chloroisopropyl) Ether	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Naphthalene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
1-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
1,2-Diphenylhydrazine	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Benzydine	BDL	ug/kg (dw)	3550/8270	2800	07/23	07/26	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Benzo[a]anthracene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Benzo[b]fluoranthene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Benzo[k]fluoranthene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Benzo[a]pyrene	BDL	ug/kg (dw)	3550/8270	63	07/23	07/26	LN
Indeno[1,2,3-cd]pyrene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Dibenzo[a,h]Anthracene	BDL	ug/kg (dw)	3550/8270	63	07/23	07/26	LN

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 Date: 07/30/2004
 Log #: L95295-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-104 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 12:15
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
Benzo[g,h,i]perylene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	340	07/23	07/26	LN
Dilution Factor	1.0		3550/8270		07/23	07/26	LN
Surrogate Recoveries:							
2-Fluorophenol	67	%	3550/8270	29-109	07/23	07/26	LN
Phenol-d5	72	%	3550/8270	30-109	07/23	07/26	LN
Nitrobenzene-d5	75	%	3550/8270	15-121	07/23	07/26	LN
2-Fluorobiphenyl	70	%	3550/8270	42-111	07/23	07/26	LN
2,4,6-Tribromophenol	85	%	3550/8270	47-124	07/23	07/26	LN
Terphenyl-d14	115	%	3550/8270	37-143	07/23	07/26	LN
Percent Solids							
Percent Solid	96	%	SM2540B	0.10	07/23	07/23	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	44	07/21	07/30	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	44	07/21	07/30	SV
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	44	07/21	07/30	SV
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.8	07/21	07/30	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.8	07/21	07/30	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.8	07/21	07/30	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.8	07/21	07/30	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.88	07/21	07/30	SV
Acetone	BDL	ug/kg (dw)	5035/8260	84	07/21	07/30	SV
Benzene	3.6	ug/kg (dw)	5035/8260	1.8	07/21	07/30	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.8	07/21	07/30	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	440	07/21	07/30	SV
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	44	07/21	07/30	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV

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 Date: 07/30/2004
 Log #: L95295-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-104 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 12:15
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.8	07/21	07/30	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	8.8	07/21	07/30	SV
Styrene	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
Toluene	5.2	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	8.8	07/21	07/30	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.5	07/21	07/30	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.4	07/21	07/30	SV
MTBE	BDL	ug/kg (dw)	5035/8260	44	07/21	07/30	SV
Dilution Factor	0.84		5035/8260		07/21	07/30	SV
Surrogate Recoveries:							
Dibromofluoromethane	52	%	5035/8260	52-155	07/21	07/30	SV
Toluene-D8	33 MI	%	5035/8260	46-154	07/21	07/30	SV
4-Bromofluorobenzene	20 MI	%	5035/8260	36-138	07/21	07/30	SV
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	18	07/27	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	18	07/27	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	18	07/27	07/28	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	18	07/27	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	18	07/27	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	18	07/27	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	18	07/27	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	18	07/27	07/28	EM
Dilution Factor	1.0		3550/8082		07/27	07/28	EM
Surrogate Recoveries:							
TCMX	59	%	3550/8082	20-145	07/27	07/28	EM
Decachlorobiphenyl	63	%	3550/8082	11-159	07/27	07/28	EM
General Chemistry							
Cyanide	BDL	mg/kg (dw)	9012	0.52	07/26	07/26	IG
pH	8.92	pH Units	9045	0.10	07/29	07/29	SA

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Sample Description:

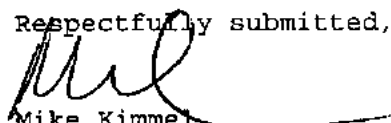
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-104 (9-12)
 Date Sampled: 07/21/2004
 Time Sampled: 12:15
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
General Chemistry (continued)							
Phenols	BDL C7	mg/kg (dw)	9066	0.52	07/27	07/27	IG
Metals							
Arsenic	6000	ug/kg (dw)	3050/6010	520	07/26	07/26	VR
Barium	25000	ug/kg (dw)	3050/6010	1000	07/26	07/26	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1000	07/26	07/26	VR
Chromium	3500	ug/kg (dw)	3050/6010	1000	07/26	07/26	VR
Lead	1000	ug/kg (dw)	3050/6010	1000	07/26	07/26	VR
Selenium	BDL C23	ug/kg (dw)	3050/6010	1600	07/26	07/26	VR
Silver	BDL	ug/kg (dw)	3050/6010	1000	07/26	07/26	VR
Mercury	BDL	mg/kg (dw)	7471	0.10	07/24	07/25	EB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 XS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Lawrence Kruk

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 Date: 07/30/2004
 Log #: L95295-4

Sample Description:

Elgin MHC
 Proj. #: 04-1211-101

Analytical Report: B-105 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 13:34
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds							
2,4,5-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
2,4,6-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
2,4-Dichlorophenol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
2,4-Dimethylphenol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
2,4-Dinitrophenol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
2-Chlorophenol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
4,6-Dinitro-2-Methylphenol	BDL	ug/kg (dw)	3550/8270	2000	07/23	07/26	LN
2-Methylphenol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
2-Nitrophenol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
4-Chloro-3-Methylphenol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
3&4-Methylphenol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
4-Nitrophenol	BDL	ug/kg (dw)	3550/8270	2000	07/23	07/26	LN
Benzoic Acid	BDL	ug/kg (dw)	3550/8270	2000	07/23	07/26	LN
Pentachlorophenol	BDL	ug/kg (dw)	3550/8270	2000	07/23	07/26	LN
Phenol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
1,2,4-Trichlorobenzene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
1,2-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
1,3-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
1,4-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
2,4-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
2,6-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
2-Chloronaphthalene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
2-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
2-Nitroaniline	BDL	ug/kg (dw)	3550/8270	2000	07/23	07/26	LN
3,3'-Dichlorobenzidine	BDL	ug/kg (dw)	3550/8270	800	07/23	07/26	LN
3-Nitroaniline	BDL	ug/kg (dw)	3550/8270	2000	07/23	07/26	LN
4-Bromophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
4-Chloroaniline	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
4-Chlorophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN

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 Date: 07/30/2004
 Log #: L95295-4

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-105 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 13:34
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
4-Nitroaniline	BDL	ug/kg (dw)	3550/8270	2000	07/23	07/26	LN
Bis(2-Chloroethoxy)methane	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Bis(2-Chloroethyl) Ether	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Bis(2-Ethylhexyl) Phthalate	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Butylbenzylphthalate	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Carbazole	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Di-N-Butylphthalate	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Di-N-Octylphthalate	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Dibenzofuran	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Diethylphthalate	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Dimethylphthalate	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Hexachlorobenzene	BDL	ug/kg (dw)	3550/8270	120	07/23	07/26	LN
Hexachlorobutadiene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Hexachlorocyclopentadiene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Hexachloroethane	BDL	ug/kg (dw)	3550/8270	120	07/23	07/26	LN
Isophorone	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
N-Nitrosodi-n-propylamine	BDL	ug/kg (dw)	3550/8270	71	07/23	07/26	LN
N-Nitrosodiphenylamine	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Nitrobenzene	BDL	ug/kg (dw)	3550/8270	120	07/23	07/26	LN
N-Nitrosodimethylamine	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Aniline	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Benzyl Alcohol	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Bis(2-Chloroisopropyl) Ether	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Naphthalene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
1-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
1,2-Diphenylhydrazine	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Benzidine	BDL	ug/kg (dw)	3550/8270	3200	07/23	07/26	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Benzo[a]anthracene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Benzo[b]fluoranthene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Benzo[k]fluoranthene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Benzo[a]pyrene	BDL	ug/kg (dw)	3550/8270	71	07/23	07/26	LN
Indeno[1,2,3-cd]pyrene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Dibenzo[a,h]Anthracene	BDL	ug/kg (dw)	3550/8270	71	07/23	07/26	LN

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 Date: 07/30/2004
 Log #: L95295-4

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-105 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 13:34
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	390	07/23	07/26	LN
Dilution Factor	1.0		3550/8270		07/23	07/26	LN
Surrogate Recoveries:							
2-Fluorophenol	66	%	3550/8270	29-109	07/23	07/26	LN
Phenol-d5	73	%	3550/8270	30-109	07/23	07/26	LN
Nitrobenzene-d5	74	%	3550/8270	15-121	07/23	07/26	LN
2-Fluorobiphenyl	46	%	3550/8270	42-111	07/23	07/26	LN
2,4,6-Tribromophenol	81	%	3550/8270	47-124	07/23	07/26	LN
Terphenyl-d14	81	%	3550/8270	37-143	07/23	07/26	LN
Percent Solids							
Percent Solid	84	%	SM2540B	0.10	07/23	07/23	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	42	07/21	07/30	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	42	07/21	07/30	SV
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	42	07/21	07/30	SV
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.7	07/21	07/30	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.7	07/21	07/30	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	07/21	07/30	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	07/21	07/30	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.85	07/21	07/30	SV
Acetone	BDL	ug/kg (dw)	5035/8260	82	07/21	07/30	SV
Benzene	BDL	ug/kg (dw)	5035/8260	1.7	07/21	07/30	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.7	07/21	07/30	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	420	07/21	07/30	SV
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	42	07/21	07/30	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV

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 Log #: L95295-4

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-105 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 13:34
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.7	07/21	07/30	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	8.5	07/21	07/30	SV
Styrene	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
Toluene	5.2	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	8.5	07/21	07/30	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.4	07/21	07/30	SV
Total Xylenes	5.4	ug/kg (dw)	5035/8260	4.2	07/21	07/30	SV
MTBE	BDL	ug/kg (dw)	5035/8260	42	07/21	07/30	SV
Dilution Factor	0.71		5035/8260		07/21	07/30	SV
Surrogate Recoveries:							
Dibromofluoromethane	60	%	5035/8260	52-155	07/21	07/30	SV
Toluene-D8	50	%	5035/8260	46-154	07/21	07/30	SV
4-Bromofluorobenzene	19 MI	%	5035/8260	36-138	07/21	07/30	SV
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	20	07/27	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	20	07/27	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	20	07/27	07/28	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	20	07/27	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	20	07/27	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	20	07/27	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	20	07/27	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	20	07/27	07/28	EM
Dilution Factor	1.0		3550/8082		07/27	07/28	EM
Surrogate Recoveries:							
TCMX	45	%	3550/8082	20-145	07/27	07/28	EM
Decachlorobiphenyl	42	%	3550/8082	11-159	07/27	07/28	EM
General Chemistry							
Cyanide	BDL	mg/kg (dw)	9012	0.60	07/26	07/26	IG
pH	7.92	pH Units	9045	0.10	07/29	07/29	SA

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 Log #: L95295-4

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-105 (9-12)
 Date Sampled: 07/21/2004
 Time Sampled: 13:34
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
General Chemistry (continued)							
Phenols	BDL	mg/kg (dw)	9066	0.60	07/27	07/27	IG
Metals							
Arsenic	4500	ug/kg (dw)	3050/6010	600	07/26	07/26	VR
Barium	70000	ug/kg (dw)	3050/6010	1200	07/26	07/26	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1200	07/26	07/26	VR
Chromium	8500	ug/kg (dw)	3050/6010	1200	07/26	07/26	VR
Lead	38000	ug/kg (dw)	3050/6010	1200	07/26	07/26	VR
Selenium	BDL	ug/kg (dw)	3050/6010	1200	07/26	07/26	VR
Silver	BDL	ug/kg (dw)	3050/6010	1200	07/26	07/26	VR
Mercury	BDL	mg/kg (dw)	7471	0.12	07/24	07/25	EB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# EB6240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

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 Date: 07/30/2004
 Log #: L95295-5

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-106 (9-12)
 Date Sampled: 07/21/2004
 Time Sampled: 14:17
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds							
2,4,5-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
2,4,6-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
2,4-Dichlorophenol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
2,4-Dimethylphenol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
2,4-Dinitrophenol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
2-Chlorophenol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
4,6-Dinitro-2-Methylphenol	BDL	ug/kg (dw)	3550/8270	2100	07/23	07/26	LN
2-Methylphenol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
2-Nitrophenol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
4-Chloro-3-Methylphenol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
3&4-Methylphenol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
4-Nitrophenol	BDL	ug/kg (dw)	3550/8270	2100	07/23	07/26	LN
Benzoic Acid	BDL	ug/kg (dw)	3550/8270	2100	07/23	07/26	LN
Pentachlorophenol	BDL	ug/kg (dw)	3550/8270	2100	07/23	07/26	LN
Phenol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
1,2,4-Trichlorobenzene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
1,2-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
1,3-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
1,4-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
2,4-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
2,6-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
2-Chloronaphthalene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
2-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
2-Nitroaniline	BDL	ug/kg (dw)	3550/8270	2100	07/23	07/26	LN
3,3'-Dichlorobenzidine	BDL	ug/kg (dw)	3550/8270	840	07/23	07/26	LN
3-Nitroaniline	BDL	ug/kg (dw)	3550/8270	2100	07/23	07/26	LN
4-Bromophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
4-Chloroaniline	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
4-Chlorophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN

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Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-106 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 14:17
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
4-Nitroaniline	BDL	ug/kg (dw)	3550/8270	2100	07/23	07/26	LN
Bis(2-Chloroethoxy)methane	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Bis(2-Chloroethyl) Ether	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Bis(2-Ethylhexyl) Phthalate	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Butylbenzylphthalate	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Carbazole	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Di-N-Butylphthalate	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Di-N-Octylphthalate	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Dibenzofuran	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Diethylphthalate	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Dimethylphthalate	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Hexachlorobenzene	BDL	ug/kg (dw)	3550/8270	130	07/23	07/26	LN
Hexachlorobutadiene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Hexachlorocyclopentadiene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Hexachloroethane	BDL	ug/kg (dw)	3550/8270	130	07/23	07/26	LN
Isophorone	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
N-Nitrosodi-n-propylamine	BDL	ug/kg (dw)	3550/8270	75	07/23	07/26	LN
N-Nitrosodiphenylamine	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Nitrobenzene	BDL	ug/kg (dw)	3550/8270	130	07/23	07/26	LN
N-Nitrosodimethylamine	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Aniline	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Benzyl Alcohol	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Bis(2-Chloroisopropyl) Ether	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Naphthalene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
1-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
1,2-Diphenylhydrazine	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Benzidine	BDL	ug/kg (dw)	3550/8270	3400	07/23	07/26	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Benzo[a]anthracene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Benzo[b]fluoranthene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Benzo[k]fluoranthene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Benzo[a]pyrene	BDL	ug/kg (dw)	3550/8270	75	07/23	07/26	LN
Indeno[1,2,3-cd]pyrene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Dibenzo[a,h]Anthracene	BDL	ug/kg (dw)	3550/8270	75	07/23	07/26	LN

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Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-106 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 14:17
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semi-volatile Organic Compounds (continued)							
Benzo[g,h,i]perylene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	410	07/23	07/26	LN
Dilution Factor	1.0		3550/8270		07/23	07/26	LN
Surrogate Recoveries:							
2-Fluorophenol	76	%	3550/8270	29-109	07/23	07/26	LN
Phenol-d5	88	%	3550/8270	30-109	07/23	07/26	LN
Nitrobenzene-d5	75	%	3550/8270	15-121	07/23	07/26	LN
2-Fluorobiphenyl	53	%	3550/8270	42-111	07/23	07/26	LN
2,4,6-Tribromophenol	86	%	3550/8270	47-124	07/23	07/26	LN
Terphenyl-d14	87	%	3550/8270	37-143	07/23	07/26	LN
Percent Solids							
Percent Solid	80	%	SM2540B	0.10	07/23	07/23	KB
Volatile Organic Compounds							
MEK (2-Butanone)	BDL	ug/kg (dw)	5035/8260	48	07/21	07/30	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	48	07/21	07/30	SV
MIBK (4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	48	07/21	07/30	SV
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.96	07/21	07/30	SV
Acetone	BDL	ug/kg (dw)	5035/8260	95	07/21	07/30	SV
Benzene	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	480	07/21	07/30	SV
Carbon Disulfide	53	ug/kg (dw)	5035/8260	48	07/21	07/30	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV

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Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-106 (9-12)

Date Sampled: 07/21/2004
 Time Sampled: 14:17
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/21	07/30	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
cis-1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	9.6	07/21	07/30	SV
Styrene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Toluene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	9.6	07/21	07/30	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.9	07/21	07/30	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.8	07/21	07/30	SV
MTBE	BDL	ug/kg (dw)	5035/8260	48	07/21	07/30	SV
Dilution Factor	0.77		5035/8260		07/21	07/30	SV
Surrogate Recoveries:							
Dibromofluoromethane	55	%	5035/8260	52-155	07/21	07/30	SV
Toluene-D8	45 MI	%	5035/8260	46-154	07/21	07/30	SV
4-Bromofluorobenzene	25 MI	%	5035/8260	36-138	07/21	07/30	SV
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	21	07/27	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	21	07/27	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	21	07/27	07/28	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	21	07/27	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	21	07/27	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	21	07/27	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	21	07/27	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	21	07/27	07/28	EM
Dilution Factor	1.0		3550/8082		07/27	07/28	EM
Surrogate Recoveries:							
TCMX	48	%	3550/8082	20-145	07/27	07/28	EM
Decachlorobiphenyl	44	%	3550/8082	11-159	07/27	07/28	EM
General Chemistry							
Cyanide	BDL	mg/kg (dw)	9012	0.63	07/26	07/26	IG
pH	7.60	pH Units	9045	0.10	07/29	07/29	SA

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 5 of 5
 Date: 07/30/2004
 Log #: L95295-5

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

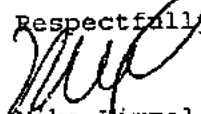
Analytical Report: B-106 (9-12)
 Date Sampled: 07/21/2004
 Time Sampled: 14:17
 Date Received: 07/22/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
General Chemistry (continued)							
Phenols	0.94	mg/kg (dw)	9066	0.63	07/27	07/27	IG
Metals							
Arsenic	7600	ug/kg (dw)	3050/6010	630	07/26	07/26	VR
Barium	85000	ug/kg (dw)	3050/6010	1300	07/26	07/26	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1300	07/26	07/26	VR
Chromium	12000	ug/kg (dw)	3050/6010	1300	07/26	07/26	VR
Lead	18000	ug/kg (dw)	3050/6010	1300	07/26	07/26	VR
Selenium	BDL C23	ug/kg (dw)	3050/6010	1800	07/26	07/26	VR
Silver	BDL	ug/kg (dw)	3050/6010	1300	07/26	07/26	VR
Mercury	BDL	mg/kg (dw)	7471	0.13	07/24	07/25	EB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(##)-see attached USB code
 FLDEP Flags: J(##)-estimated 1:surr. fail 2:no known QC req. 3:QC fail NR or VRPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
 NC CERT# 444
 SC CERT# 96031001
 IL/NELAC CERT# 200020
 VA CERT# 00395

KS/NELAC# E-10360
 ADEM ID# 40850
 TN CERT# 02985
 GA CERT# 917
 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

CHAIN OF CUSTODY RECORD

USBIOSYSTEMS

Log #

95295

T#S

05

Quote:

Page 1 of 1

Company Name United Environmental POB

Address 700 N Sacramento Suite 101

City Chicago State IL Zip

Attn: Larry Kauk Fax#

Project Name Elgin MHC Proj# 01-1711-101

Sampler Name/Signature Thomas Schwab Phone#

Sample Label	Date/Time	Matrix	Code
-1 B-101	07/21/04 9:01	3-10mL	
-2 B-103	11:24	3-4oz's	
-3 B-104	12:15		
-4 B-105	1:34		
-5 B-106	2:17		
-6			
-7			
-8			
-9			
-0			

Sample Label	Date/Time	Matrix	Code	Field Analyzed (Y/N)	Lab Analyzed (Y/N)	Remarks
-1 B-101	07/21/04 9:01	3-10mL		X	X	
-2 B-103	11:24	3-4oz's		X	X	
-3 B-104	12:15			X	X	
-4 B-105	1:34			X	X	
-5 B-106	2:17			X	X	
-6						
-7						
-8						
-9						
-0						

Matrix Codes #

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AW	Analyte Free H ₂ O	AO	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other
ML	Misc. Liquid		

Pres/Codes

A.	None	G.	Na ₂ S ₂ O ₈
B.	HNO ₃	H.	NaHSO ₄
C.	H ₂ SO ₄	I.	ICE
D.	NaOH	J.	MCAA
E.	HCL	K.	Zn Acetate
F.	MeOH	O.	Other

REMARKS

05-18N(3)S

P W A S

P C B S

C Y A M E I

P H E N O L

M E T A L S

R U R A L

S V O C

V O C

Integrity OK (Y/N)

Field Analyzed (Y/N)

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax
 C.O.C. # 67093

Date required	Y	N	Other
30		<input checked="" type="checkbox"/>	
30		<input checked="" type="checkbox"/>	

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 5
 Date: 08/02/2004
 Log #: L95347-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-107 (12-15)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds							
2,4,5-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
2,4,6-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
2,4-Dichlorophenol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
2,4-Dimethylphenol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
2,4-Dinitrophenol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
2-Chlorophenol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
4,6-Dinitro-2-Methylphenol	BDL	ug/kg (dw)	3550/8270	1900	07/26	07/26	LN
2-Methylphenol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
2-Nitrophenol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
4-Chloro-3-Methylphenol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
3&4-Methylphenol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
4-Nitrophenol	BDL	ug/kg (dw)	3550/8270	1900	07/26	07/26	LN
Benzoic Acid	BDL	ug/kg (dw)	3550/8270	1900	07/26	07/26	LN
Pentachlorophenol	BDL	ug/kg (dw)	3550/8270	1900	07/26	07/26	LN
Phenol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
1,2,4-Trichlorobenzene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
1,2-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
1,3-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
1,4-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
2,4-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
2,6-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
2-Chloronaphthalene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
2-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
2-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1900	07/26	07/26	LN
3,3'-Dichlorobenzidine	BDL	ug/kg (dw)	3550/8270	740	07/26	07/26	LN
3-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1900	07/26	07/26	LN
4-Bromophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
4-Chloroaniline	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
4-Chlorophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 5
 Date: 08/02/2004
 Log #: L95347-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-107 (12-15)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
4-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1900	07/26	07/26	LN
Bis(2-Chloroethoxy)methane	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Bis(2-Chloroethyl) Ether	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Bis(2-Ethylhexyl) Phthalate	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Butylbenzylphthalate	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Carbazole	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Di-N-Butylphthalate	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Di-N-Octylphthalate	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Dibenzofuran	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Diethylphthalate	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Dimethylphthalate	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Hexachlorobenzene	BDL	ug/kg (dw)	3550/8270	110	07/26	07/26	LN
Hexachlorobutadiene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Hexachlorocyclopentadiene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Hexachloroethane	BDL	ug/kg (dw)	3550/8270	110	07/26	07/26	LN
Isophorone	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
N-Nitrosodi-n-propylamine	BDL	ug/kg (dw)	3550/8270	66	07/26	07/26	LN
N-Nitrosodiphenylamine	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Nitrobenzene	BDL	ug/kg (dw)	3550/8270	110	07/26	07/26	LN
N-Nitrosodimethylamine	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Aniline	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Benzyl Alcohol	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Bis(2-Chloroisopropyl) Ether	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Naphthalene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
1-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
1,2-Diphenylhydrazine	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Benzidine	BDL	ug/kg (dw)	3550/8270	3000	07/26	07/26	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Benzo[a]anthracene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Benzo[b]fluoranthene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Benzo[k]fluoranthene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Benzo[a]pyrene	BDL	ug/kg (dw)	3550/8270	66	07/26	07/26	LN
Indeno[1,2,3-cd]pyrene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Dibenzo[a,h]Anthracene	BDL	ug/kg (dw)	3550/8270	66	07/26	07/26	LN

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 3 of 5
 Date: 08/02/2004
 Log #: L95347-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-107 (12-15)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
Benzo[g,h,i]perylene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	360	07/26	07/26	LN
Dilution Factor	1.0		3550/8270		07/26	07/26	LN
Surrogate Recoveries:							
2-Fluorophenol	63	%	3550/8270	29-109	07/26	07/26	LN
Phenol-d5	65	%	3550/8270	30-109	07/26	07/26	LN
Nitrobenzene-d5	58	%	3550/8270	15-121	07/26	07/26	LN
2-Fluorobiphenyl	74	%	3550/8270	42-111	07/26	07/26	LN
2,4,6-Tribromophenol	94	%	3550/8270	47-124	07/26	07/26	LN
Terphenyl-d14	79	%	3550/8270	37-143	07/26	07/26	LN
Percent Solids							
Percent Solid	91	%	SM2540B	0.10	07/23	07/23	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	42	07/22	07/30	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	42	07/22	07/30	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	42	07/22	07/30	BL
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.84	07/22	07/30	BL
Acetone	BDL	ug/kg (dw)	5035/8260	90	07/22	07/30	BL
Benzene	6.5	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	420	07/22	07/30	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	42	07/22	07/30	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 4 of 5
 Date: 08/02/2004
 Log #: L95347-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-107 (12-15)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	8.4	07/22	07/30	BL
Styrene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Toluene	15	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	8.4	07/22	07/30	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.3	07/22	07/30	BL
Total Xylenes	11	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
MTBE	BDL	ug/kg (dw)	5035/8260	42	07/22	07/30	BL
Dilution Factor	0.76		5035/8260		07/22	07/30	BL
Surrogate Recoveries:							
Dibromofluoromethane	124	%	5035/8260	52-155	07/22	07/30	BL
Toluene-D8	118	%	5035/8260	46-154	07/22	07/30	BL
4-Bromofluorobenzene	80	%	5035/8260	36-138	07/22	07/30	BL
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	19	07/28	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	19	07/28	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	19	07/28	07/28	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	19	07/28	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	19	07/28	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	19	07/28	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	19	07/28	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	19	07/28	07/28	EM
Dilution Factor	1.0		3550/8082		07/28	07/28	EM
Surrogate Recoveries:							
TCMX	66	%	3550/8082	20-145	07/28	07/28	EM
Decachlorobiphenyl	84	%	3550/8082	11-159	07/28	07/28	EM
General Chemistry							
Cyanide	BDL	mg/kg (dw)	9012	0.55	07/26	07/26	IG
pH	8.90	pH Units	9045	0.10	07/29	07/29	SA

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
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 Date: 08/02/2004
 Log #: L95347-1

Sample Description:

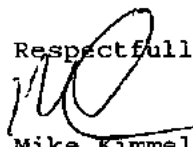
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-107 (12-15)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
General Chemistry (continued)							
Phenols	1.3	mg/kg (dw)	9066	0.55	07/26	07/27	IG
Metals							
Arsenic	2900	ug/kg (dw)	3050/6010	550	07/29	07/30	VR
Barium	10000	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Chromium	4600	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Lead	2000	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Selenium	BDL	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Silver	BDL	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Mercury	BDL	mg/kg (dw)	7471	0.11	08/01	08/01	EB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDQH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

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 Date: 08/02/2004
 Log #: L95347-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-108 (9-12)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds							
2,4,5-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
2,4,6-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
2,4-Dichlorophenol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
2,4-Dimethylphenol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
2,4-Dinitrophenol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
2-Chlorophenol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
4,6-Dinitro-2-Methylphenol	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
2-Methylphenol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
2-Nitrophenol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
4-Chloro-3-Methylphenol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
3&4-Methylphenol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
4-Nitrophenol	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
Benzoic Acid	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
Pentachlorophenol	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
Phenol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
1,2,4-Trichlorobenzene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
1,2-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
1,3-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
1,4-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
2,4-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
2,6-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
2-Chloronaphthalene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
2-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
2-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
3,3'-Dichlorobenzidine	BDL	ug/kg (dw)	3550/8270	700	07/26	07/26	LN
3-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
4-Bromophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
4-Chloroaniline	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
4-Chlorophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 08/02/2004
 Log #: L95347-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-108 (9-12)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
4-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
Bis(2-Chloroethoxy)methane	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Bis(2-Chloroethyl) Ether	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Bis(2-Ethylhexyl) Phthalate	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Butylbenzylphthalate	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Carbazole	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Di-N-Butylphthalate	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Di-N-Octylphthalate	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Dibenzofuran	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Diethylphthalate	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Dimethylphthalate	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Hexachlorobenzene	BDL	ug/kg (dw)	3550/8270	100	07/26	07/26	LN
Hexachlorobutadiene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Hexachlorocyclopentadiene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Hexachloroethane	BDL	ug/kg (dw)	3550/8270	100	07/26	07/26	LN
Isophorone	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
N-Nitrosodi-n-propylamine	BDL	ug/kg (dw)	3550/8270	63	07/26	07/26	LN
N-Nitrosodiphenylamine	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Nitrobenzene	BDL	ug/kg (dw)	3550/8270	100	07/26	07/26	LN
N-Nitrosodimethylamine	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Aniline	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Benzyl Alcohol	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Bis(2-Chloroisopropyl) Ether	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Naphthalene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
1-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
1,2-Diphenylhydrazine	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Benzidine	BDL	ug/kg (dw)	3550/8270	2800	07/26	07/26	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Benzo[a]anthracene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Benzo[b]fluoranthene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Benzo[k]fluoranthene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Benzo[a]pyrene	BDL	ug/kg (dw)	3550/8270	63	07/26	07/26	LN
Indeno[1,2,3-cd]pyrene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Dibenzo[a,h]Anthracene	BDL	ug/kg (dw)	3550/8270	63	07/26	07/26	LN

Client #: CHI-00-030604
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 Date: 08/02/2004
 Log #: L95347-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-108 (9-12)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
Benzo[g,h,i]perylene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	340	07/26	07/26	LN
Dilution Factor	1.0		3550/8270		07/26	07/26	LN
Surrogate Recoveries:							
2-Fluorophenol	63	%	3550/8270	29-109	07/26	07/26	LN
Phenol-d5	68	%	3550/8270	30-109	07/26	07/26	LN
Nitrobenzene-d5	61	%	3550/8270	15-121	07/26	07/26	LN
2-Fluorobiphenyl	81	%	3550/8270	42-111	07/26	07/26	LN
2,4,6-Tribromophenol	96	%	3550/8270	47-124	07/26	07/26	LN
Terphenyl-d14	81	%	3550/8270	37-143	07/26	07/26	LN
Percent Solids							
Percent Solid	96	%	SM2540B	0.10	07/23	07/23	KB
Volatile Organic Compounds							
MEK (2-Butanone)	BDL	ug/kg (dw)	5035/8260	48	07/22	07/30	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	48	07/22	07/30	BL
MIBK (4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	48	07/22	07/30	BL
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.9	07/22	07/30	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.9	07/22	07/30	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/22	07/30	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/22	07/30	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.97	07/22	07/30	BL
Acetone	BDL	ug/kg (dw)	5035/8260	88	07/22	07/30	BL
Benzene	4.1	ug/kg (dw)	5035/8260	1.9	07/22	07/30	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/22	07/30	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	480	07/22	07/30	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	48	07/22	07/30	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL

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 Address: Pioneer Environmental
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 Date: 08/02/2004
 Log #: L95347-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-108 (9-12)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/22	07/30	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	9.7	07/22	07/30	BL
Styrene	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
Toluene	8.0	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/22	07/30	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	9.7	07/22	07/30	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.9	07/22	07/30	BL
Total Xylenes	NDL	ug/kg (dw)	5035/8260	1.8	07/22	07/30	BL
MTBE	BDL	ug/kg (dw)	5035/8260	48	07/22	07/30	BL
Dilution Factor	0.93		5035/8260		07/22	07/30	BL
Surrogate Recoveries:							
Dibromofluoromethane	85	%	5035/8260	52-155	07/22	07/30	BL
Toluene-D8	84	%	5035/8260	46-154	07/22	07/30	BL
4-Bromofluorobenzene	54	%	5035/8260	36-138	07/22	07/30	BL
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
Dilution Factor	1.0		3550/8082		07/28	07/28	EM
Surrogate Recoveries:							
TCMX	62	%	3550/8082	20-145	07/28	07/28	EM
Decachlorobiphenyl	81	%	3550/8082	11-159	07/28	07/28	EM
General Chemistry							
Cyanide	BDL	mg/kg (dw)	9012	0.52	07/26	07/26	IG
pH	8.60	pH Units	9045	0.10	07/29	07/29	SA

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 Date: 08/02/2004
 Log #: L95347-2

Sample Description:

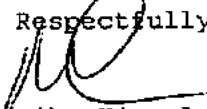
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-108 (9-12)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
General Chemistry (continued)							
Phenols	BDL	mg/kg (dw)	9066	0.52	07/26	07/27	IG
Metals							
Arsenic	4300	ug/kg (dw)	3050/6010	520	07/29	07/30	VR
Barium	36000	ug/kg (dw)	3050/6010	1000	07/29	07/30	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1000	07/29	07/30	VR
Chromium	3200	ug/kg (dw)	3050/6010	1000	07/29	07/30	VR
Lead	19000	ug/kg (dw)	3050/6010	1000	07/29	07/30	VR
Selenium	BDL C23	ug/kg (dw)	3050/6010	1300	07/29	07/30	VR
Silver	BDL	ug/kg (dw)	3050/6010	1000	07/29	07/30	VR
Mercury	BDL	mg/kg (dw)	7471	0.10	08/01	08/01	EB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail NR or WRPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 5
 Date: 08/02/2004
 Log #: L95347-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-109 (9-12)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semi-volatile Organic Compounds							
2,4,5-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
2,4,6-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
2,4-Dichlorophenol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
2,4-Dimethylphenol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
2,4-Dinitrophenol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
2-Chlorophenol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
4,6-Dinitro-2-Methylphenol	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
2-Methylphenol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
2-Nitrophenol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
4-Chloro-3-Methylphenol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
3&4-Methylphenol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
4-Nitrophenol	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
Benzoic Acid	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
Pentachlorophenol	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
Phenol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
1,2,4-Trichlorobenzene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
1,2-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
1,3-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
1,4-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
2,4-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
2,6-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
2-Chloronaphthalene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
2-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
2-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
3,3'-Dichlorobenzidine	BDL	ug/kg (dw)	3550/8270	710	07/26	07/26	LN
3-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
4-Bromophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
4-Chloroaniline	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
4-Chlorophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN

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 Log #: L95347-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-109 (9-12)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
4-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1800	07/26	07/26	LN
Bis(2-Chloroethoxy)methane	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Bis(2-Chloroethyl) Ether	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Bis(2-Ethylhexyl) Phthalate	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Butylbenzylphthalate	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Carbazole	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Di-N-Butylphthalate	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Di-N-Octylphthalate	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Dibenzofuran	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Diethylphthalate	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Dimethylphthalate	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Hexachlorobenzene	BDL	ug/kg (dw)	3550/8270	110	07/26	07/26	LN
Hexachlorobutadiene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Hexachlorocyclopentadiene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Hexachloroethane	BDL	ug/kg (dw)	3550/8270	110	07/26	07/26	LN
Isophorone	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
N-Nitrosodi-n-propylamine	BDL	ug/kg (dw)	3550/8270	63	07/26	07/26	LN
N-Nitrosodiphenylamine	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Nitrobenzene	BDL	ug/kg (dw)	3550/8270	110	07/26	07/26	LN
N-Nitrosodimethylamine	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Aniline	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Benzyl Alcohol	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Bis(2-Chloroisopropyl) Ether	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Naphthalene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
1-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
1,2-Diphenylhydrazine	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Benzidine	BDL	ug/kg (dw)	3550/8270	2800	07/26	07/26	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Benzo[a]anthracene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Benzo[b]fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Benzo[k]fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Benzo[a]pyrene	BDL	ug/kg (dw)	3550/8270	63	07/26	07/26	LN
Indeno[1,2,3-cd]pyrene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Dibenzo[a,h]Anthracene	BDL	ug/kg (dw)	3550/8270	63	07/26	07/26	LN

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Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-109 (9-12)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
Benzo[g,h,i]perylene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	350	07/26	07/26	LN
Dilution Factor	1.0		3550/8270		07/26	07/26	LN
Surrogate Recoveries:							
2-Fluorophenol	61	%	3550/8270	29-109	07/26	07/26	LN
Phenol-d5	64	%	3550/8270	30-109	07/26	07/26	LN
Nitrobenzene-d5	56	%	3550/8270	15-121	07/26	07/26	LN
2-Fluorobiphenyl	74	%	3550/8270	42-111	07/26	07/26	LN
2,4,6-Tribromophenol	88	%	3550/8270	47-124	07/26	07/26	LN
Terphenyl-d14	78	%	3550/8270	37-143	07/26	07/26	LN
Percent Solids							
Percent Solid	95	%	SM2540B	0.10	07/23	07/23	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	42	07/22	07/30	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	42	07/22	07/30	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	42	07/22	07/30	BL
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.84	07/22	07/30	BL
Acetone	160	ug/kg (dw)	5035/8260	82	07/22	07/30	BL
Benzene	6.3	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	420	07/22	07/30	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	42	07/22	07/30	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL

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Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-109 (9-12)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/30	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	8.4	07/22	07/30	BL
Styrene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Toluene	11	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	8.4	07/22	07/30	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.4	07/22	07/30	BL
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/30	BL
MTBE	BDL	ug/kg (dw)	5035/8260	42	07/22	07/30	BL
Dilution Factor	0.80		5035/8260		07/22	07/30	BL
Surrogate Recoveries:							
Dibromofluoromethane	87	%	5035/8260	52-155	07/22	07/30	BL
Toluene-D8	69	%	5035/8260	46-154	07/22	07/30	BL
4-Bromofluorobenzene	36	%	5035/8260	36-138	07/22	07/30	BL
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
Dilution Factor	1.0		3550/8082		07/28	07/28	EM
Surrogate Recoveries:							
TCMX	56	%	3550/8082	20-145	07/28	07/28	EM
Decachlorobiphenyl	62	%	3550/8082	11-159	07/28	07/28	EM
General Chemistry							
Cyanide	BDL	mg/kg (dw)	9012	0.53	07/26	07/26	IG
pH	9.02	pH Units	9045	0.10	07/29	07/29	SA

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Sample Description:

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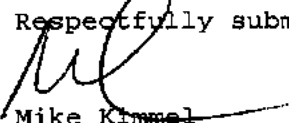
Analytical Report: B-109 (9-12)

Date Sampled: 07/22/2004
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Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
General Chemistry (continued)							
Phenols	BDL	mg/kg (dw)	9066	0.53	07/26	07/27	IG
Metals							
Arsenic	2400	ug/kg (dw)	3050/6010	530	07/29	07/30	VR
Barium	11000	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Chromium	4500	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Lead	1300	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Selenium	BDL	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Silver	BDL	ug/kg (dw)	3050/6010	1100	07/29	07/30	VR
Mercury	BDL	mg/kg (dw)	7471	0.11	08/01	08/01	EB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDQH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

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 Date: 08/02/2004
 Log #: L95347-4

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-110 (0-3)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	82	%	SM2540B	0.10	07/23	07/23	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	51	07/22	07/30	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	51	07/22	07/30	SV
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	51	07/22	07/30	SV
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	2.0	07/22	07/30	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	2.0	07/22	07/30	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.0	07/22	07/30	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.0	07/22	07/30	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	1.0	07/22	07/30	SV
Acetone	BDL	ug/kg (dw)	5035/8260	79	07/22	07/30	SV
Benzene	BDL	ug/kg (dw)	5035/8260	2.0	07/22	07/30	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	2.0	07/22	07/30	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	510	07/22	07/30	SV
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	51	07/22	07/30	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	2.0	07/22	07/30	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV

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Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-110 (0-3)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Chloromethane	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	10	07/22	07/30	SV
Styrene	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
Toluene	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	10	07/22	07/30	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	4.0	07/22	07/30	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	5.1	07/22	07/30	SV
MTBE	BDL	ug/kg (dw)	5035/8260	51	07/22	07/30	SV
Dilution Factor	0.83		5035/8260		07/22	07/30	SV
Surrogate Recoveries:							
Dibromofluoromethane	76	%	5035/8260	52-155	07/22	07/30	SV
Toluene-D8	63	%	5035/8260	46-154	07/22	07/30	SV
4-Bromofluorobenzene	36	%	5035/8260	36-138	07/22	07/30	SV
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
Dilution Factor	1.0		3550/8082		07/28	07/28	EM
Surrogate Recoveries:							
TCMX	50	%	3550/8082	20-145	07/28	07/28	EM
Decachlorobiphenyl	46	%	3550/8082	11-159	07/28	07/28	EM

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Date: 08/02/2004
Log #: L95347-4

Sample Description:

Elgin MHC
Proj.#: 04-1211-101


Analytical Report: B-110 (0-3)
Date Sampled: 07/22/2004
Time Sampled: 00:00
Date Received: 07/23/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Extr. Limit	Anly. Date	Analyst
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Polychlorinated Biphenyls (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLLEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
A CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

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 Date: 08/02/2004
 Log #: L95347-5

Sample Description:

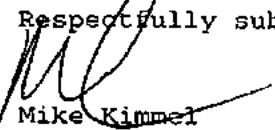
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-111 (0-3)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	85	%	SM2540B	0.10	07/23	07/23	KB
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
Dilution Factor	1.0		3550/8082		07/28	07/28	EM
Surrogate Recoveries:							
TCMX	60	%	3550/8082	20-145	07/28	07/28	EM
Decachlorobiphenyl	48	%	3550/8082	11-159	07/28	07/28	EM

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDQH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

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 Date: 08/02/2004
 Log #: L95347-6

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

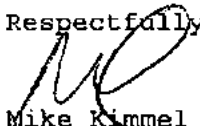
Analytical Report: B-112 (0-3)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	84	%	SM2540B	0.10	07/23	07/23	KB
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
Dilution Factor	1.0		3550/8082		07/28	07/28	EM
Surrogate Recoveries:							
TCMX	51	%	3550/8082	20-145	07/28	07/28	EM
Decachlorobiphenyl	37	%	3550/8082	11-159	07/28	07/28	EM

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail. 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

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 Senior Project Manager

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 Date: 08/02/2004
 Log #: L95347-7

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-113 (3-6)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	80	%	SM2540B	0.10	07/23	07/23	KB
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	21	07/28	07/28	EM
Dilution Factor	1.0		3550/8082		07/28	07/28	EM
Surrogate Recoveries:							
TCMX	33	%	3550/8082	20-145	07/28	07/28	EM
Decachlorobiphenyl	25	%	3550/8082	11-159	07/28	07/28	EM

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

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 Date: 08/02/2004
 Log #: L95347-8

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-114 (0-3)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	65	07/27	07/28	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	65	07/27	07/28	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Dilution Factor	1.0		3550/8270		07/27	07/28	LN
Surrogate Recoveries:							
Nitrobenzene-d5	35	%	3550/8270	15-121	07/27	07/28	LN
2-Fluorobiphenyl	51	%	3550/8270	42-111	07/27	07/28	LN
Terphenyl-d14	67	%	3550/8270	37-143	07/27	07/28	LN
Percent Solids							
Percent Solid	93	%	SM2540B	0.10	07/23	07/23	KB
BTEX Compounds							
Benzene	2.2	ug/kg (dw)	5035/8260	1.7	07/22	07/29	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.4	07/22	07/29	SV
Toluene	BDL	ug/kg (dw)	5035/8260	4.4	07/22	07/29	SV

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 Date: 08/02/2004
 Log #: L95347-8

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-114 (0-3)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
BTEX Compounds (continued)							
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.4	07/22	07/29	SV
Total BTEX	BDL	ug/kg (dw)	5035/8260	15	07/22	07/29	SV
MTBE	BDL	ug/kg (dw)	5035/8260	4.4	07/22	07/29	SV
Dilution Factor	0.81		5035/8260		07/22	07/29	SV
Surrogate Recoveries:							
Dibromofluoromethane	99	%	5035/8260	52-155	07/22	07/29	SV
Toluene-D8	75	%	5035/8260	46-154	07/22	07/29	SV
4-Bromofluorobenzene	41	%	5035/8260	36-138	07/22	07/29	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40950
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

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 Senior Project Manager

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 Date: 08/02/2004
 Log #: L95347-10

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-115 (3-6)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Benzo (a) anthracene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Benzo (a) pyrene	BDL	ug/kg (dw)	3550/8270	71	07/27	07/28	LN
Benzo (b) fluoranthene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Benzo (k) fluoranthene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Dibenzo (a, h) Anthracene	BDL	ug/kg (dw)	3550/8270	71	07/27	07/28	LN
Indeno (1, 2, 3-c, d) pyrene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Benzo (g, h, i) perylene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	390	07/27	07/28	LN
Dilution Factor	1.0		3550/8270		07/27	07/28	LN
Surrogate Recoveries:							
Nitrobenzene-d5	37	%	3550/8270	15-121	07/27	07/28	LN
2-Fluorobiphenyl	34	%	3550/8270	42-111	07/27	07/28	LN
Terphenyl-d14	51	%	3550/8270	37-143	07/27	07/28	LN
Percent Solids							
Percent Solid	84	%	SM2540B	0.10	07/23	07/23	KB
BTEX Compounds							
Benzene	BDL	ug/kg (dw)	5035/8260	1.7	07/22	07/29	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/29	SV
Toluene	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/29	SV

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 Date: 08/02/2004
 Log #: L95347-10

Sample Description:

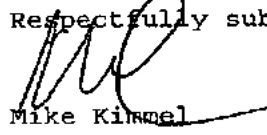
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-115 (3-6)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
BTEX Compounds (continued)							
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/29	SV
Total BTEX	BDL	ug/kg (dw)	5035/8260	14	07/22	07/29	SV
MTBE	BDL	ug/kg (dw)	5035/8260	4.2	07/22	07/29	SV
Dilution Factor	0.71		5035/8260		07/22	07/29	SV
Surrogate Recoveries:							
Dibromofluoromethane	91	%	5035/8260	52-155	07/22	07/29	SV
Toluene-D8	86	%	5035/8260	46-154	07/22	07/29	SV
4-Bromofluorobenzene	41	%	5035/8260	36-138	07/22	07/29	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 LDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOR/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

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Page: Page 1 of 2
 Date: 08/02/2004
 Log #: L95347-11

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-116 (0-3)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	64	07/27	07/28	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	64	07/27	07/28	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	350	07/27	07/28	LN
Dilution Factor	1.0		3550/8270		07/27	07/28	LN
Surrogate Recoveries:							
Nitrobenzene-d5	35	%	3550/8270	15-121	07/27	07/28	LN
2-Fluorobiphenyl	50	%	3550/8270	42-111	07/27	07/28	LN
Terphenyl-d14	65	%	3550/8270	37-143	07/27	07/28	LN
Percent Solids							
Percent Solid	94	%	SM2540B	0.10	07/23	07/23	KB
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 2
 Date: 08/02/2004
 Log #: L95347-11

Sample Description:

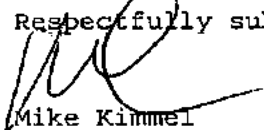
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-116 (0-3)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polychlorinated Biphenyls (continued)							
PCB 1242	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
Dilution Factor	1.0		3550/8082		07/28	07/28	EM
Surrogate Recoveries:							
TCMX	65	%	3550/8082	20-145	07/28	07/28	EM
Decachlorobiphenyl	70	%	3550/8082	11-159	07/28	07/28	EM

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 2
 Date: 08/02/2004
 Log #: L95347-12

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-117 (0-3)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	62	07/27	07/28	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	62	07/27	07/28	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	340	07/27	07/28	LN
Dilution Factor	1.0		3550/8270		07/27	07/28	LN
Surrogate Recoveries:							
Nitrobenzene-d5	41	%	3550/8270	15-121	07/27	07/28	LN
2-Fluorobiphenyl	57	%	3550/8270	42-111	07/27	07/28	LN
Terphenyl-d14	71	%	3550/8270	37-143	07/27	07/28	LN
Percent Solids							
Percent Solid	97	%	SM2540B	0.10	07/23	07/23	KB
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 2
 Date: 08/02/2004
 Log #: L95347-12

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

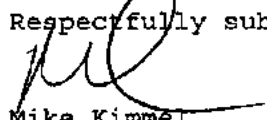
Analytical Report: B-117 (0-3)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polychlorinated Biphenyls (continued)							
PCB 1242	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	18	07/28	07/28	EM
Dilution Factor	1.0		3550/8082		07/28	07/28	EM
Surrogate Recoveries:							
TCMX	66	%	3550/8082	20-145	07/28	07/28	EM
Decachlorobiphenyl	71	%	3550/8082	11-159	07/28	07/28	EM

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CPR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 2
 Date: 08/02/2004
 Log #: L95347-13

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-118 (0-3)

Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	69	07/27	07/28	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	69	07/27	07/28	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	380	07/27	07/28	LN
Dilution Factor	1.0		3550/8270		07/27	07/28	LN
Surrogate Recoveries:							
Nitrobenzene-d5	42	%	3550/8270	15-121	07/27	07/28	LN
2-Fluorobiphenyl	52	%	3550/8270	42-111	07/27	07/28	LN
Terphenyl-d14	59	%	3550/8270	37-143	07/27	07/28	LN
Percent Solids							
Percent Solid	87	%	SM2540B	0.10	07/23	07/23	KB
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 2
 Date: 08/02/2004
 Log #: L95347-13

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

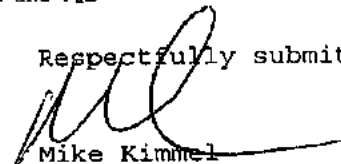
Analytical Report: B-118 (0-3)
 Date Sampled: 07/22/2004
 Time Sampled: 00:00
 Date Received: 07/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polychlorinated Biphenyls (continued)							
PCB 1242	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	20	07/28	07/28	EM
Dilution Factor	1.0		3550/8082		07/28	07/28	EM
Surrogate Recoveries:							
TCMX	64	%	3550/8082	20-145	07/28	07/28	EM
Decachlorobiphenyl	47	%	3550/8082	11-159	07/28	07/28	EM

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDQH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,



Mike Kimmel
 Senior Project Manager

Most Common Flags (Qualifiers used by USB)**Flag Meaning**

- X1:** CCV sample values are above $\pm 15\%$ but within the $\pm 25\%$ range per CLP Statement of Work.
- MI:** Matrix Interference. (this code must be accompanied with an explanation)
- IL:** In house Limits. Recovery outside method control limits but within laboratory's historically derived control limits.
-
- DL:** Sample dilution caused poor or no surrogate recovery.
- CP2-4:** P=Panel Of x. Used when less than a five people panel determined the odor of a sample. There should never be less than two people in the panel.
(Example of use: if a panel of 2 people determined the odor of a sample the results must be qualified with CP2, if 3 people qualify with CP3, if 4 people qualify with CP4)
- C1:** Colony counts are found to be outside the acceptable range: (Heterotrophic Plate Counts: 30-300).
- C2:** Heavy growth, thereby interfering with detection of coliform colonies (applies to both TNTC and confluent)
- C3:** Matrix interference due to excessive chlorine
- C4:** BOD dilution water blank exceeds 0.2 mg/L detection limit.
- C5:** BOD seeded dilution water blank outside 0.6-1.0 mg/L depletion limits.
- C6:** BOD sample result estimated due to the oxygen depletion being outside acceptable range.
- C7:** MS and/or MSD recoveries outside control limits, however LCS and/or LCSD within limits. Data reported
- C8:** MS and/or MSD recoveries outside control limits due to the high level of target analyte in the spiked sample. LCS and/or LCSD within limits. Data reported
- C9:** The reported analyte is not NELAC certified.
- C13:** MS / MSD reported from a post-digestion, distillation spike.

US Biosystems, Inc.**Most Common Flags (Qualifiers used by USB)****Flag Meaning**

- C18:** As per client request, sample for Dissolved Metal analysis was filtered and preserved by the laboratory upon receipt.
- C21:** See attached Case Narrative or Non-Conformance / Corrective Action Report.
-
- C22:** The addition of Spike solution was inadvertently omitted.
- C23:** Detection Limit has been elevated due to high negative values.
- C24:** Detection Limit has been adjusted to sample volume.
- C50:** The addition of Surrogate (s) was inadvertently omitted.
- C58:** Continuing and/or Closing Calibration Check Standard recovery was below the limit allowed by method. Sample results were evaluated and reported based on MDL supporting analysis of lower concentrations.
- C59:** Result was based on a one-point calibration
- C61:** The LCS (D) % Recovery has recovered above acceptable limits. The reported target analyte is Below Detection Limit (BDL) establishing that there is no high biased result reported.

Company Name Power Eng. & Env. Services Inc. PO#
 Address 700 N. Sycamore Blvd., Suite 101
 City Chicago State IL Zip 60612
 Attn: L. Lawrence Kraak Fax# 312 589 8210
 Project Name Edgar MHC Proj# 04-1211-101
 Sampler Name/Signature L. Lawrence Kraak Phone# 312 589 1021

Sample ID	Date	Matrix	Code	Volume	Filter	Analysis
-1 B-109 (12-15)	7-22-04	SO	SO	3 → 40 mL VOA 1 → 4oz. sye	↓	SOIL
-2 B-108 (9-12)				↓		
-3 B-109 (9-12)				↓		
-4 B-110 (0-3)				3 → 40 mL VOA 1 → 4oz. sye	↓	
-5 B-111 (0-3)				1 4oz.	↓	
-6 B-112 (0-3)				1 4oz.	↓	
-7 B-113 (3-6)				1 4oz.	↓	
-8 B-114 (0-3)				3 → 40 mL VOA 1 → 4oz. sye	↓	
-9 B-115 (0-3)				↓		
-0 B-115 (3-6)				↓		

Y/N	Date required	Y	N	None	1	2	3	Other	(Y) N

Samples INTACT upon arrival?
 Received ON WET ICE? Temp.
 PROPER PRESERVATIVES indicated?
 Received WITHIN HOLDING TIME?
 CUSTODY SEALS INTACT?
 VOLATILES rec'd W/OUT HEADSPACE?
 PROPER CONTAINERS used?

Matrix Codes *

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
APW	Analyte Free H ₂ O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other
MIL	Misc. Liquid		Phase Specify

Pics/Codes

A. Nonp.	G. Na ₂ SO ₄
B. HNO ₃	H. NaHSO ₄
C. H ₂ SO ₄	I. ICE
D. NaOH	J. MCAA
E. HCL	K. Zn Acetate
F. MeOH	O. Other

REMARKS

Hold For VOC Analysis; PCBs
 Run

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax
 C.O.C. # 67013

ORIGINAL

CHAIN OF CUSTODY RECORD

USBIOSYSTEMS Log # 95347

T#S Quote:

Page 2 of 2

Company Name Probes, Eng. & Env. Services, Inc. PO# _____
 Address 700 N. Sacramento Blvd., Suite 101
 City Chicago State IL Zip 60612
 Attn: Lawrence Kent Fax# 312 587 8210
 Project Name Elgin MHC Proj# 04-12-11-101
 Sampler Name Lawrence Kent Phone# 312 587 1021
 Date (Client) _____ Matrix _____ Code# _____

Y/N	Date required	Y	N	None	1	2	3	Other
1	B-116 (0-3)	7-22-04						
2	B-117 (0-3)	↓						
3	B-118 (0-3)	↓						
4								
5								
6								
7								
8								
9								
0								

Field Filtered (Y/N)	Integrity OK (Y/N)	Matrix	Code#	Weight	Remarks
		So	So	2 4 oz.	
		↓	↓	2 4 oz.	
		↓	↓	2 4 oz.	

Matrix Codes:
 SD Solid Waste, GW Ground Water, EFF Effluent, AFW Analyte Free H₂O, VAW Waste Water, DW Drinking Water, SU Surface Water, MIL Misc. Liquids, OL Oil, SL Sludge, SO Soil Sediment, AQ Aqueous, NA Nonaqueous, PE Petroleum, O Other (Please Specify)

Pres/Codes:
 A. None, B. HNO₃, C. H₂SO₄, D. NaOH, E. HCL, F. MeOH, G. Na₂S₂O₃, H. H₂SO₄, I. ICE, J. MCAA, K. Zn Acetate, O. Other

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax
 C.O.C. # 67014

ORIGINAL

Samples INTACT upon arrival
 Received ON WET / CEF Temp.
 PROPER PRESERVATIVES indicated?
 Received WITHIN HOLDING TIME?
 CUSTODY SEALS INTACT?
 VOLUMES rec'd W/OUT HEADSPACE?
 PROPER CONTAINERS used?

Company Name: Propane Gas Inc. Forest Co. PO#
 Address: 700 W. 1st St. Forest Co.
 City: Forest Co. State: IL Zip: 62424
 Attn: L. P. ... Fax#: 312 347 8210
 Project Name: ... Proj#: ...
 Sampler Name/Signature: ... Phone#: 312 587 1021

MATRIX CODES

SL	Solid Waste	OL	Oil
GW	Ground Water	SL	Sudge
EFF	Effluent	SO	Soil Sediment
AWW	Analyte Free H ₂ O	AQ	Aqueous
WW	Waste Water	MA	Monaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other
MIL	MISC LIQUID		

Pres/CODES

A. None	G. MnSO ₄
B. HNO ₃	H. NaHSO ₄
C. H ₂ SO ₄	I. ICE
D. NaOH	J. MCAA
E. HCL	K. Zn Acetate
F. MeOH	O. Other

REMARKS

1. ...
 2. ...
 3. ...
 4. ...
 5. ...
 6. ...
 7. ...
 8. ...
 9. ...
 10. Hold

Parameters	VOCs	SVOCs	Phenols	Cyanide (Total)	Pestic	BTEX (Total)	Field Filtered (M)	Integrity (M)
1	X	X	X	X	X	X		
2	X	X	X	X	X	X		
3	X	X	X	X	X	X		
4	X	X	X	X	X	X		
5	X	X	X	X	X	X		
6	X	X	X	X	X	X		
7	X	X	X	X	X	X		
8	X	X	X	X	X	X		
9	X	X	X	X	X	X		
10	X	X	X	X	X	X		

Y/N Date required Y N None 1 2 3 Other Y N

Signature: Michael J. Kone Date: 11/23/04 Time: 3:35pm

#

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax

C.O.C. # 67013

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 2
 Date: 08/05/2004
 Log #: L95599-1

Sample Description:

Elgin MHC
 Proj. #: 04-1211-101

Analytical Report: B-119 (9-12)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Benzo (a) anthracene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Benzo (a) pyrene	BDL	ug/kg (dw)	3550/8270	64	07/30	08/02	LN
Benzo (b) fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Benzo (k) fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Dibenzo (a, h) Anthracene	BDL	ug/kg (dw)	3550/8270	64	07/30	08/02	LN
Indeno (1, 2, 3-c, d) pyrene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Benzo (g, h, i) perylene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Dilution Factor	1.0		3550/8270		07/30	08/02	LN
Surrogate Recoveries:							
Nitrobenzene-d5	57	%	3550/8270	15-121	07/30	08/02	LN
2-Fluorobiphenyl	64	%	3550/8270	42-111	07/30	08/02	LN
Terphenyl-d14	98	%	3550/8270	37-143	07/30	08/02	LN
Percent Solids							
Percent Solid	94	%	SM2540B	0.10	07/29	07/29	MS
BTEX Compounds							
Benzene	2.0	ug/kg (dw)	5035/8260	1.7	07/26	08/02	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/02	SV
Toluene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/02	SV

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 Date: 08/05/2004
 Log #: L95599-1

Sample Description:

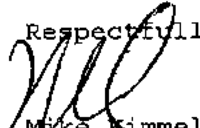
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-119 (9-12)
 Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
BTEX Compounds (continued)							
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/02	SV
Total BTEX	2.0 I	ug/kg (dw)	5035/8260	15	07/26	08/02	SV
MTBE	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/02	SV
Dilution Factor	0.81		5035/8260		07/26	08/02	SV
Surrogate Recoveries:							
Dibromofluoromethane	74	%	5035/8260	52-155	07/26	08/02	SV
Toluene-D8	61	%	5035/8260	46-154	07/26	08/02	SV
4-Bromofluorobenzene	40	%	5035/8260	36-138	07/26	08/02	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation, E-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

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 Address: Pioneer Environmental
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 Date: 08/05/2004
 Log #: L95599-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-120 (6-9)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	63	07/30	08/02	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	63	07/30	08/02	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	350	07/30	08/02	LN
Dilution Factor	1.0		3550/8270		07/30	08/02	LN
Surrogate Recoveries:							
Nitrobenzene-d5	57	%	3550/8270	15-121	07/30	08/02	LN
2-Fluorobiphenyl	72	%	3550/8270	42-111	07/30	08/02	LN
Terphenyl-d14	97	%	3550/8270	37-143	07/30	08/02	LN
Percent Solids							
Percent Solid	95	%	SM2540B	0.10	07/29	07/29	MS
BTEX Compounds							
Benzene	3.6	ug/kg (dw)	5035/8260	1.7	07/26	08/02	SV
Ethylbenzene	12	ug/kg (dw)	5035/8260	4.2	07/26	08/02	SV
Toluene	13	ug/kg (dw)	5035/8260	4.2	07/26	08/02	SV

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 Date: 08/05/2004
 Log #: L95599-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101


Analytical Report: B-120 (6-9)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
BTEX Compounds (continued)							
Total Xylenes	91	ug/kg (dw)	5035/8260	4.2	07/26	08/02	SV
Total BTEX	119.6	ug/kg (dw)	5035/8260	14	07/26	08/02	SV
MTBE	BDL	ug/kg (dw)	5035/8260	4.2	07/26	08/02	SV
Dilution Factor	0.80		5035/8260		07/26	08/02	SV
Surrogate Recoveries:							
Dibromofluoromethane	80	%	5035/8260	52-155	07/26	08/02	SV
Toluene-D8	66	%	5035/8260	46-154	07/26	08/02	SV
4-Bromofluorobenzene	46	%	5035/8260	36-138	07/26	08/02	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 LDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 PLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL, NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 08/05/2004
 Log #: L95599-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-121 (12-15)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	70	07/30	08/02	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
DiBenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	70	07/30	08/02	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	380	07/30	08/02	LN
Dilution Factor	1.0		3550/8270		07/30	08/02	LN
Surrogate Recoveries:							
Nitrobenzene-d5	51	%	3550/8270	15-121	07/30	08/02	LN
2-Fluorobiphenyl	64	%	3550/8270	42-111	07/30	08/02	LN
Terphenyl-d14	94	%	3550/8270	37-143	07/30	08/02	LN
Percent Solids							
Percent Solid	86	%	SM2540B	0.10	07/29	07/29	MS
BTEX Compounds							
Benzene	3.1	ug/kg (dw)	5035/8260	2.1	07/26	08/02	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	5.3	07/26	08/02	SV
Toluene	BDL	ug/kg (dw)	5035/8260	5.3	07/26	08/02	SV

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 Date: 08/05/2004
 Log #: L95599-3

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-121 (12-15)
 Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
BTEX Compounds (continued)							
Total Xylenes	BDL	ug/kg (dw)	5035/8260	5.3	07/26	08/02	SV
Total BTEX	3.1 I	ug/kg (dw)	5035/8260	18	07/26	08/02	SV
MTBE	BDL	ug/kg (dw)	5035/8260	5.3	07/26	08/02	SV
Dilution Factor	0.92		5035/8260		07/26	08/02	SV
Surrogate Recoveries:							
Dibromofluoromethane	78	%	5035/8260	52-155	07/26	08/02	SV
Toluene-D8	65	%	5035/8260	46-154	07/26	08/02	SV
4-Bromofluorobenzene	49	%	5035/8260	36-138	07/26	08/02	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 LDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E85240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Krumel
 Senior Project Manager

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 Date: 08/05/2004
 Log #: L95599-4

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-122 (12-15)
 Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	67	07/30	08/02	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	67	07/30	08/02	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	370	07/30	08/02	LN
Dilution Factor	1.0		3550/8270		07/30	08/02	LN
Surrogate Recoveries:							
Nitrobenzene-d5	63	%	3550/8270	15-121	07/30	08/02	LN
2-Fluorobiphenyl	79	%	3550/8270	42-111	07/30	08/02	LN
Terphenyl-d14	110	%	3550/8270	37-143	07/30	08/02	LN
Percent Solids							
Percent Solid	90	%	SM2540B	0.10	07/29	07/29	MS
BTEX Compounds							
Benzene	7.6	ug/kg (dw)	5035/8260	1.8	07/26	08/02	SV
Ethylbenzene	57	ug/kg (dw)	5035/8260	4.4	07/26	08/02	SV
Toluene	22	ug/kg (dw)	5035/8260	4.4	07/26	08/02	SV

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 Date: 08/05/2004
 Log #: L95599-4

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-122 (12-15)
 Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable	Extr.	Anly.	Analyst
				Limit	Date	Date	
BTEX Compounds (continued)							
Total Xylenes	330	ug/kg (dw)	5035/8260	4.4	07/26	08/02	SV
Total BTEX	416.7	ug/kg (dw)	5035/8260	15	07/26	08/02	SV
MTBE	BDL	ug/kg (dw)	5035/8260	4.4	07/26	08/02	SV
Dilution Factor	0.80		5035/8260		07/26	08/02	SV
Surrogate Recoveries:							
Dibromofluoromethane	106	%	5035/8260	52-155	07/26	08/02	SV
Toluene-D8	69	%	5035/8260	46-154	07/26	08/02	SV
4-Bromofluorobenzene	96	%	5035/8260	36-138	07/26	08/02	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 LDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail 4R or 4RPD; 4:matrix int. 5:improper fld. protocol
 LDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLAEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,



Mike Kimmel
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 Date: 08/05/2004
 Log #: L95599-5

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-123 (0-32)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids:							
Percent Solid	96	%	SM2540B	0.10	07/29	07/29	MS
Polychlorinated Biphenyls							
CB 1016	BDL	ug/kg (dw)	3550/8082	18	07/31	08/03	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	18	07/31	08/03	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	18	07/31	08/03	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	18	07/31	08/03	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	18	07/31	08/03	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	18	07/31	08/03	EM
PCB 1260	78	ug/kg (dw)	3550/8082	18	07/31	08/03	EM
Total PCB's	78	ug/kg (dw)	3550/8082	18	07/31	08/03	EM
Dilution Factor	1.0		3550/8082		07/31	08/03	EM
Surrogate Recoveries:							
TCMX	68	%	3550/8082	20-145	07/31	08/03	EM
Decachlorobiphenyl	78	%	3550/8082	11-159	07/31	08/03	EM

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLD/M/NELAC# E86240
 NC CERT# 444
 SC CERT# 96031001
 IL/NELAC CERT# 200020
 VA CERT# 00395

KS/NELAC# E-10360
 ADEM ID# 40850
 TN CERT# 02985
 GA CERT# 917
 USDA Soil Permit# S-35240

Respectfully submitted,

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Client #: CHI-00-030604
 Address: Pioneer Environmental
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Page: Page 1 of 2
 Date: 08/05/2004
 Log #: L95599-6

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-123 (6-9)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	91	%	SM2540B	0.10	07/29	07/29	MS
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	49	07/26	08/03	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	49	07/26	08/03	SV
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	49	07/26	08/03	SV
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.98	07/26	08/03	SV
Acetone	BDL	ug/kg (dw)	5035/8260	89	07/26	08/03	SV
Benzene	3.5	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	490	07/26	08/03	SV
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	49	07/26	08/03	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

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 Date: 08/05/2004
 Log #: L95599-6

Sample Description:

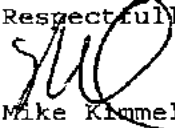
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-123 (6-9)
 Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatible Organic Compounds (continued)							
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	9.8	07/26	08/03	SV
Styrene	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
Toluene	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	9.8	07/26	08/03	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.9	07/26	08/03	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.9	07/26	08/03	SV
MTBE	BDL	ug/kg (dw)	5035/8260	49	07/26	08/03	SV
Dilution Factor	0.89		5035/8260		07/26	08/03	SV
Surrogate Recoveries:							
Dibromofluoromethane	90	%	5035/8260	52-155	07/26	08/03	SV
Toluene-DB	70	%	5035/8260	46-154	07/26	08/03	SV
4-Bromofluorobenzene	42	%	5035/8260	36-138	07/26	08/03	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flajs: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDIP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E06240 XS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Krumel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 08/05/2004
 Log #: L95599-7

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-124 (9-12)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	89	%	SM2540B	0.10	07/29	07/29	MS
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	48	07/26	08/03	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	48	07/26	08/03	SV
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	48	07/26	08/03	SV
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/03	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/03	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/03	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/03	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.96	07/26	08/03	SV
Acetone	BDL	ug/kg (dw)	5035/8260	78	07/26	08/03	SV
Benzene	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/03	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/03	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	480	07/26	08/03	SV
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	48	07/26	08/03	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/03	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV

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 Date: 08/05/2004
 Log #: L95599-7

Sample Description:

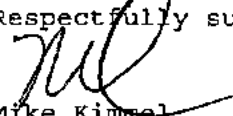
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-124 (9-12)
 Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatiles Organic Compounds (continued)							
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	9.6	07/26	08/03	SV
Styrene	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
Toluene	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	9.6	07/26	08/03	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.8	07/26	08/03	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.8	07/26	08/03	SV
MTBE	BDL	ug/kg (dw)	5035/8260	48	07/26	08/03	SV
Dilution Factor	0.85		5035/8260		07/26	08/03	SV
Surrogate Recoveries:							
Dibromofluoromethane	79	%	5035/8260	52-155	07/26	08/03	SV
Toluene-D8	49	%	5035/8260	46-154	07/26	08/03	SV
4-Bromofluorobenzene	22 MI	%	5035/8260	36-138	07/26	08/03	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
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 Lawrence Kruk

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 Date: 08/05/2004
 Log #: L95599-8

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-125 (6-9)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	78	%	SM2540B	0.10	07/29	07/29	MS
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	64	07/26	08/03	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	64	07/26	08/03	SV
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	64	07/26	08/03	SV
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	2.6	07/26	08/03	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	2.6	07/26	08/03	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.6	07/26	08/03	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.6	07/26	08/03	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	1.3	07/26	08/03	SV
Acetone	140	ug/kg (dw)	5035/8260	64	07/26	08/03	SV
Benzene	BDL	ug/kg (dw)	5035/8260	2.6	07/26	08/03	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	2.6	07/26	08/03	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	640	07/26	08/03	SV
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	64	07/26	08/03	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	2.6	07/26	08/03	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV

Client #: CHI-00-030604
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Page: Page 2 of 2
 Date: 08/05/2004
 Log #: L95599-8

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-125 (6-9)
 Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Chloromethane	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	13	07/26	08/03	SV
Styrene	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
Toluene	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	13	07/26	08/03	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	5.1	07/26	08/03	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	6.4	07/26	08/03	SV
MTBE	BDL	ug/kg (dw)	5035/8260	64	07/26	08/03	SV
Dilution Factor	1.0		5035/8260		07/26	08/03	SV
Surrogate Recoveries:							
Dibromofluoromethane	58	%	5035/8260	52-155	07/26	08/03	SV
Toluene-D8	38 MI	%	5035/8260	46-154	07/26	08/03	SV
4-Bromofluorobenzene	21 MI	%	5035/8260	36-138	07/26	08/03	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

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 Senior Project Manager

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Page: Page 1 of 2
 Date: 08/05/2004
 Log #: L95599-9

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-126 (3-6)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	79	%	SM2540B	0.10	07/29	07/29	MS
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	50	07/26	08/03	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	50	07/26	08/03	SV
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	50	07/26	08/03	SV
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	1.0	07/26	08/03	SV
Acetone	120	ug/kg (dw)	5035/8260	80	07/26	08/03	SV
Benzene	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	500	07/26	08/03	SV
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	50	07/26	08/03	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	2.0	07/26	08/03	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 08/05/2004
 Log #: L95599-9

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

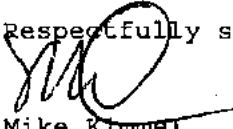
Analytical Report: B-126 (3-6)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Chloromethane	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	10	07/26	08/03	SV
Styrene	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
Toluene	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	10	07/26	08/03	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	4.0	07/26	08/03	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/03	SV
MTBE	BDL	ug/kg (dw)	5035/8260	50	07/26	08/03	SV
Dilution Factor	0.79		5035/8260		07/26	08/03	SV
Surrogate Recoveries:							
Dibromofluoromethane	82	%	5035/8260	52-155	07/26	08/03	SV
Toluene-D8	74	%	5035/8260	46-154	07/26	08/03	SV
4-Bromofluorobenzene	48	%	5035/8260	36-138	07/26	08/03	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLESP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLESP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLESP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 08/05/2004
 Log #: L95599-10

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-127 (12-15)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Benzo(a) anthracene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Benzo(a) pyrene	BDL	ug/kg (dw)	3550/8270	71	07/30	08/02	LN
Benzo(b) fluoranthene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Benzo(k) fluoranthene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Dibenzo(a,h) Anthracene	BDL	ug/kg (dw)	3550/8270	71	07/30	08/02	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Dilution Factor	1.0		3550/8270		07/30	08/02	LN
Surrogate Recoveries:							
Nitrobenzene-d5	60	%	3550/8270	15-121	07/30	08/02	LN
2-Fluorobiphenyl	67	%	3550/8270	42-111	07/30	08/02	LN
Tetraphenyl-d14	99	%	3550/8270	37-143	07/30	08/02	LN
Percent Solids							
Percent Solid	85	%	SM2540B	0.10	07/29	07/29	MS
BTEX Compounds							
Benzene	2.7	ug/kg (dw)	5035/8260	1.9	07/26	08/02	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/02	SV
Toluene	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/02	SV

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Date: 08/05/2004
Log #: L95599-10

Sample Description:

Elgin MHC
Proj.#: 04-1211-101


Analytical Report: B-127 (12-15)
Date Sampled: 07/26/2004
Time Sampled: 00:00
Date Received: 07/28/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
BTEX Compounds (continued)							
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/02	SV
Total BTEX	2.7 I	ug/kg (dw)	5035/8260	16	07/26	08/02	SV
MTBE	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/02	SV
Dilution Factor	0.80		5035/8260		07/26	08/02	SV
Surrogate Recoveries:							
Dibromofluoromethane	80	%	5035/8260	52-155	07/26	08/02	SV
Toluene-D8	63	%	5035/8260	46-154	07/26	08/02	SV
4-Bromofluorobenzene	40	%	5035/8260	36-138	07/26	08/02	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
LDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395

KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 08/05/2004
 Log #: L95599-11

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-128 (15-18)

Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	66	07/30	08/02	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	66	07/30	08/02	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	360	07/30	08/02	LN
Dilution Factor	1.0		3550/8270		07/30	08/02	LN
Surrogate Recoveries:							
Nitrobenzene-d5	62	%	3550/8270	15-121	07/30	08/02	LN
2-Fluorobiphenyl	70	%	3550/8270	42-111	07/30	08/02	LN
Terphenyl-d14	104	%	3550/8270	37-143	07/30	08/02	LN
Percent Solids							
Percent Solid	91	%	SM2540B	0.10	07/29	07/29	MS
BTEX Compounds							
Benzene	3.0	ug/kg (dw)	5035/8260	1.7	07/26	08/03	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Toluene	5.9	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV

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Sample Description:

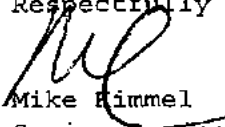
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-128 (15-18)
 Date Sampled: 07/26/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Extr.		Anly.		Analyst
				Limit	Date	Date		
BTEX Compounds (continued)								
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV	
Total BTEX	8.9 I	ug/kg (dw)	5035/8260	15	07/26	08/03	SV	
MTBE	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV	
Dilution Factor	0.78		5035/8260		07/26	08/03	SV	
Surrogate Recoveries:								
Dibromofluoromethane	83	%	5035/8260	52-155	07/26	08/03	SV	
Toluene-DB	67	%	5035/8260	46-154	07/26	08/03	SV	
4-Bromofluorobenzene	40	%	5035/8260	36-138	07/26	08/03	SV	

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 LDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 LDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 PLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

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 Senior Project Manager

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 Date: 08/05/2004
 Log #: L95599-12

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-129 (3-6)

Date Sampled: 07/27/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Acenaphthene	410	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Anthracene	440	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Fluoranthene	2800	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Pyrene	2800	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Benzo(a)anthracene	1200	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Benzo(a)pyrene	1200	ug/kg (dw)	3550/8270	71	07/30	08/02	LN
Benzo(b)fluoranthene	1500	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Benzo(k)fluoranthene	590	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Chrysene	1400	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Dibenzo(a,h)Anthracene	160	ug/kg (dw)	3550/8270	71	07/30	08/02	LN
Indeno(1,2,3-c,d)pyrene	590	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Benzo(g,h,i)perylene	600	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Phenanthrene	2700	ug/kg (dw)	3550/8270	390	07/30	08/02	LN
Dilution Factor	1.0		3550/8270		07/30	08/02	LN
Surrogate Recoveries:							
Nitrobenzene-d5	61	%	3550/8270	15-121	07/30	08/02	LN
2-Fluorobiphenyl	46	%	3550/8270	42-111	07/30	08/02	LN
Terphenyl-d14	61	%	3550/8270	37-143	07/30	08/02	LN
Percent Solids							
Percent Solid	85	%	SM2540B	0.10	07/29	07/29	MS
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	43	07/26	08/03	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	43	07/26	08/03	SV
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	43	07/26	08/03	SV

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Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-129 (3-6)

Date Sampled: 07/27/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.7	07/26	08/03	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.7	07/26	08/03	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	07/26	08/03	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	07/26	08/03	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.86	07/26	08/03	SV
Acetone	BDL	ug/kg (dw)	5035/8260	73	07/26	08/03	SV
Benzene	BDL	ug/kg (dw)	5035/8260	1.7	07/26	08/03	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.7	07/26	08/03	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	430	07/26	08/03	SV
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	43	07/26	08/03	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.7	07/26	08/03	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	8.6	07/26	08/03	SV
Styrene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Toluene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	8.6	07/26	08/03	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.4	07/26	08/03	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.3	07/26	08/03	SV
MTBE	BDL	ug/kg (dw)	5035/8260	43	07/26	08/03	SV
Dilution Factor	0.73		5035/8260		07/26	08/03	SV
Surrogate Recoveries:							
Dibromofluoromethane	79	%	5035/8260	52-155	07/26	08/03	SV

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 08/05/2004
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Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-129 (3-6)
 Date Sampled: 07/27/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Toluene-D8	63	%	5035/8260	46-154	07/26	08/03	SV
4-Bromofluorobenzene	32 MI	%	5035/8260	36-138	07/26	08/03	SV
General Chemistry							
pH	7.53	pH Units	9045	0.10	08/02	08/02	SA
Metals							
Arsenic	7100	ug/kg (dw)	3050/6010	590	07/03	08/04	VR
Barium	110000	ug/kg (dw)	3050/6010	1200	07/03	08/04	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1200	07/03	08/04	VR
Chromium	13000	ug/kg (dw)	3050/6010	1200	07/03	08/04	VR
Lead	39000	ug/kg (dw)	3050/6010	1200	07/03	08/04	VR
Selenium	BDL C7	ug/kg (dw)	3050/6010	1200	07/03	08/04	VR
Silver	BDL	ug/kg (dw)	3050/6010	1200	07/03	08/04	VR
Mercury	BDL	ug/kg (dw)	7471	120	08/01	08/01	EB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fid. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 3
 Date: 08/05/2004
 Log #: L95599-13

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-130 (3-6)

Date Sampled: 07/27/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Benzo (a) anthracene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Benzo (a) pyrene	BDL	ug/kg (dw)	3550/8270	770	07/30	08/02	LN
Benzo (b) fluoranthene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Benzo (k) fluoranthene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Dibenzo (a, h) Anthracene	BDL	ug/kg (dw)	3550/8270	770	07/30	08/02	LN
Indeno (1, 2, 3-c, d) pyrene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Benzo (g, h, i) perylene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	4200	07/30	08/02	LN
Dilution Factor	10 MI		3550/8270		07/30	08/02	LN
Surrogate Recoveries:							
Nitrobenzene-d5	DL	%	3550/8270	15-121	07/30	08/02	LN
2-Fluorobiphenyl	DL	%	3550/8270	42-111	07/30	08/02	LN
Terphenyl-d14	DL	%	3550/8270	37-143	07/30	08/02	LN
Percent Solids							
Percent Solid	78	%	SM2540B	0.10	07/29	07/29	MS
Volatile Organic Compounds							
MEK (2-Butanone)	BDL	ug/kg (dw)	5035/8260	63	07/26	08/04	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	63	07/26	08/04	SV
MIBK (4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	63	07/26	08/04	SV

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 Lawrence Kruk

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 Date: 08/05/2004
 Log #: L95599-13

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-130 (3-6)
 Date Sampled: 07/27/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	2.5	07/26	08/04	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	2.5	07/26	08/04	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.5	07/26	08/04	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.5	07/26	08/04	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	1.3	07/26	08/04	SV
Acetone	240	ug/kg (dw)	5035/8260	63	07/26	08/04	SV
Benzene	BDL	ug/kg (dw)	5035/8260	2.5	07/26	08/04	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	2.5	07/26	08/04	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	630	07/26	08/04	SV
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	63	07/26	08/04	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	2.5	07/26	08/04	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
Chloromethane	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	13	07/26	08/04	SV
Styrene	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
Toluene	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	13	07/26	08/04	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	5.0	07/26	08/04	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	6.3	07/26	08/04	SV
MTBE	BDL	ug/kg (dw)	5035/8260	63	07/26	08/04	SV
Dilution Factor	0.98		5035/8260		07/26	08/04	SV
Surrogate Recoveries:							
Dibromofluoromethane	69	%	5035/8260	52-155	07/26	08/04	SV

Client #: CHI-00-030604
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 Date: 08/05/2004
 Log #: L95599-13

Sample Description:

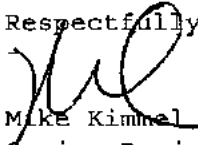
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-130 (3-6)
 Date Sampled: 07/27/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Toluene-D8	61	%	5035/8260	46-154	07/26	08/04	SV
4-Bromofluorobenzene	32 MI	%	5035/8260	36-138	07/26	08/04	SV
General Chemistry							
pH	8.47	pH Units	9045	0.10	08/02	08/02	SA
Metals							
Arsenic	3300	ug/kg (dw)	3050/6010	640	07/03	08/04	VR
Barium	19000	ug/kg (dw)	3050/6010	1300	07/03	08/04	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1300	07/03	08/04	VR
Chromium	4400	ug/kg (dw)	3050/6010	1300	07/03	08/04	VR
Lead	17000	ug/kg (dw)	3050/6010	1300	07/03	08/04	VR
Selenium	BDL	ug/kg (dw)	3050/6010	1300	07/03	08/04	VR
Silver	BDL	ug/kg (dw)	3050/6010	1300	07/03	08/04	VR
Mercury	BDL	ug/kg (dw)	7471	130	08/01	08/01	EB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLD/M/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

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Page: Page 1 of 1
 Date: 08/05/2004
 Log #: L95599-14

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101


Analytical Report: B-131 (3-6)

Date Sampled: 07/27/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable	Extr.	Anly.	Analyst
				Limit	Date	Date	
Percent Solids							
Percent Solid	79	%	SM2540B	0.10	07/29	07/29	MS
General Chemistry							
Organic Content	5.3	%	D2974-87	0.10	07/30	07/30	SR
Percent Ash	95	%	160.4	0.10	07/30	07/30	SR
Percent Volatile Solids	5.3	%	160.4	0.10	07/30	07/30	SR

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDQH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
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 Address: Pioneer Environmental
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Page: Page 1 of 1
 Date: 08/05/2004
 Log #: L95599-15

Sample Description:

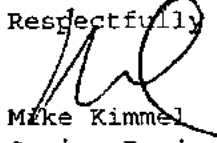
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-131 (6-9)
 Date Sampled: 07/27/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Extr.		Anly.		Analyst
				Limit	Date	Date		
Percent Solids								
Percent Solid	87	%	SM2540B	0.10	07/29	07/29		MS
General Chemistry								
Organic Content	1.9	%	D2974-87	0.10	07/30	07/30		SR
Percent Ash	98	%	160.4	0.10	07/30	07/30		SR
Percent Volatile Solids	1.9	%	160.4	0.10	07/30	07/30		SR

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 95031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

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Page: Page 1 of 2
 Date: 08/05/2004
 Log #: L95599-16

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-132 (6-9)
 Date Sampled: 07/27/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	86	%	SM2540B	0.10	07/29	07/29	MS
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	47	07/26	08/04	SV
2-Hexanone	BDL	ug/kg (dw)	5035/8260	47	07/26	08/04	SV
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	47	07/26	08/04	SV
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/04	SV
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/04	SV
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/04	SV
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/04	SV
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.94	07/26	08/04	SV
Acetone	BDL	ug/kg (dw)	5035/8260	47	07/26	08/04	SV
Benzene	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/04	SV
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/04	SV
Bromoform	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	470	07/26	08/04	SV
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	47	07/26	08/04	SV
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.9	07/26	08/04	SV
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
Chloroform	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV

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Page: Page 2 of 2
 Date: 08/05/2004
 Log #: L95599-16

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-132 (6-9)

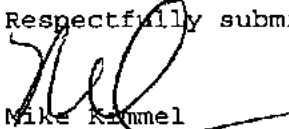
Date Sampled: 07/27/2004
 Time Sampled: 00:00
 Date Received: 07/28/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	9.4	07/26	08/04	SV
Styrene	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
Toluene	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	9.4	07/26	08/04	SV
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.8	07/26	08/04	SV
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.7	07/26	08/04	SV
MTBE	BDL	ug/kg (dw)	5035/8260	47	07/26	08/04	SV
Dilution Factor	0.81		5035/8260		07/26	08/04	SV
Surrogate Recoveries:							
Dibromofluoromethane	95	%	5035/8260	52-155	07/26	08/04	SV
Toluene-D8	69	%	5035/8260	46-154	07/26	08/04	SV
4-Bromofluorobenzene	46	%	5035/8260	36-138	07/26	08/04	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDQH/NELAC# E86240
 NC CERT# 444
 SC CERT# 96031001
 IL/NELAC CERT# 200020
 VA CERT# 00395

KS/NELAC# E-10360
 ADEM ID# 40850
 TN CERT# 02985
 GA CERT# 917
 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Most Common Flags (Qualifiers used by USB)**Flag Meaning**

- X1:** CCV sample values are above $\pm 15\%$ but within the $\pm 25\%$ range per CLP Statement of Work.
- MI:** Matrix Interference. (this code must be accompanied with an explanation)
- IL:** In house Limits. Recovery outside method control limits but within laboratory's historically derived control limits.
- DL:** Sample dilution caused poor or no surrogate recovery.
- CP2-4:** P=Panel Of x. Used when less than a five people panel determined the odor of a sample. There should never be less than two people in the panel.
(Example of use: if a panel of 2 people determined the odor of a sample the results must be qualified with CP2, if 3 people qualify with CP3, if 4 people qualify with CP4)
- C1:** Colony counts are found to be outside the acceptable range: (Heterotrophic Plate Counts: 30-300).
- C2:** Heavy growth, thereby interfering with detection of coliform colonies (applies to both TNTC and confluent)
- C3:** Matrix interference due to excessive chlorine
- C4:** BOD dilution water blank exceeds 0.2 mg/L detection limit.
- C5:** BOD seeded dilution water blank outside 0.6-1.0 mg/L depletion limits.
- C6:** BOD sample result estimated due to the oxygen depletion being outside acceptable range.
- C7:** MS and/or MSD recoveries outside control limits, however LCS and/or LCSD within limits. Data reported
- C8:** MS and/or MSD recoveries outside control limits due to the high level of target analyte in the spiked sample. LCS and/or LCSD within limits. Data reported
- C9:** The reported analyte is not NELAC certified.
- C13:** MS / MSD reported from a post-digestion / distillation spike.

Most Common Flags (Qualifiers used by USB)

Flag Meaning

- C18:** As per client request, sample for Dissolved Metal analysis was filtered and preserved by the laboratory upon receipt.
- C21:** See attached Case Narrative or Non-Conformance / Corrective Action Report.
- C22:** The addition of Spike solution was inadvertently omitted.
- C23:** Detection Limit has been elevated due to high negative values.
- C24:** Detection Limit has been adjusted to sample volume.
- C50:** The addition of Surrogate (s) was inadvertently omitted.
- C58:** Continuing and/or Closing Calibration Check Standard recovery was below the limit allowed by method. Sample results were evaluated and reported based on MDL supporting analysis of lower concentrations.
- C59:** Result was based on a one-point calibration
- C61:** The LCS (D) % Recovery has recovered above acceptable limits. The reported target analyte is Below Detection Limit (BDL) establishing that there is no high biased result reported.

CHAIN OF CUSTODY RECORD

USBIOSYSTEMS Log # 95599

This Quote: Page 1 of 2

Company Name: Powers Eng & Env. Services, Inc. PO# _____
 Address: 700 W. Sacramento Blvd, Suite 101
 City: Chicago State: IL Zip: 60612
 Attn: LAWRENCE KUK Fax# 312-587-8210
 Project Name: Edgns MHC Proj# 04-12-11-101
 Sampler Name/Signature: LAWRENCE KUK Phone# 312-587-1021

YES NO N/A
 Samples INTACT upon arrival? _____
 Received ON WET ICE? Temp. _____
 PROPER PRESERVATIVES indicated? _____
 Received WITHIN HOLDING TIME? _____
 CUSTODY SEALS INTACT? _____
 VOLATILES rec'd WITHOUT HEADSPACE? _____
 PROPER CONTAINERS used? _____

Matrix Codes *

DL	Oil
SL	Sludge
SO	Soil Sediment
AO	Aqueous
NA	Nonaqueous
PE	Petroleum
O	Other

Please Specify

Pres/Codes

A. None
 B. HNO₃
 C. H₂SO₄
 D. NaOH
 E. HCl
 F. MeOH

G. Na₂S₂O₃
 H. NaHSO₄
 I. ICE
 J. MDA
 K. Zn Acetate
 O. Other

Sample ID	Date	Matrix	Parameters				Field Filtered (Y/N)	Integrity OK (Y/N)	REMARKS
			BTEX	VOCs	SVOCs	PCBs			
-1 B-119 (9-12)	7-26-04	SD	X	X	X	X		044 @N @Y @D	
-2 B-120 (6-9)			X	X	X	X			
-3 B-121 (12-15)			X	X	X	X			
-4 B-122 (12-15)			X	X	X	X			
-5 B-123 (6-9)			X	X	X	X		0460	
-6 B-123 (6-9)			X	X	X	X		05K @N @Y @S	
-7 B-124 (9-12)			X	X	X	X			
-8 B-125 (6-9)			X	X	X	X			
-9 B-126 (3-6)			X	X	X	X			
-10 B-127 (12-15)			X	X	X	X		05K @N @Y @S	

Date required: _____ Y _____ N _____
 None 1 2 3 Other _____
 10 7-28-04 1500 Shoreland
 10 7-28-04 5P CK
 Batches: _____
 # _____

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax

C.O.C. # 68060

Please E-Mail Results to L.KUK@Powers-Environmental.com & cc: WSMITH@Powers-Environmental.com

ORIGINAL



CHAIN OF CUSTODY RECORD

Log # 95599

Quote: B-272

Company Name Pioneer Env. Services, Inc. PO# _____
 Address 700 N. Sacramento Blvd., Suite 101
 City Chicago State IL Zip 60612
 Attn: L. Lawrence Kruek Fax# 312-587-8210
 Project Name Edgus MHC Proj# 04-1211-101
 Sampler Name/Signature L. Lawrence Kruek Phone# 312-587-1021

Client ID	Matrix Code	Volume	Size	Container
-1 B-128 (15-18)	Sp.	3	40 mL	LDN
-2 B-129 (3-6)		2	4 oz.	
-3 B-130 (3-6)		3	40 mL	LDN
-4 B-131 (3-6)		1	4 oz.	
-5 B-131 (6-9)		1	4 oz.	
-6 B-132 (6-9)		3	40 mL	LDN
-7 B-133 (6-9)		1	4 oz.	
-8				
-9				
-0				

Sample	Matrix Code	Volume	Size	Container	Parameters	Integrity OK (Y/N)	Field Filtered (Y/N)	Remarks
					BTEX VOCs PCHs RCRA (8) Metals PZ For Organic			
								Hold
								Hold
								Hold
								Hold

Date Required	Y	N	None	1	2	3	Other	Date	Time
								7-28-04	15:00
								7-28-04	5:00
								7-28-04	15:47

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax

C.O.C. # 65684

Please E-Mail Results to L.Ken.C.PioneerEnvironmental.com & CC: W.Sara.C.PioneerEnvironmental.com

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 2
 Date: 08/20/2004
 Log #: L96520-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW1

Date Sampled: 08/12/2004
 Time Sampled: 14:30
 Date Received: 08/13/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
MEK (2-Butanone)	BDL	ug/l	5030/8260	10	08/19	08/19	SV
2-Hexanone	BDL	ug/l	5030/8260	10	08/19	08/19	SV
MIBK (4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	08/19	08/19	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	08/19	08/19	SV
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	08/19	08/19	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	08/19	08/19	SV
Acetone	BDL	ug/l	5030/8260	10	08/19	08/19	SV
Benzene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	08/19	08/19	SV
Bromoform	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	08/19	08/19	SV
n-Butyl Alcohol	BDL	ug/l	5030/8260	500	08/19	08/19	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	08/19	08/19	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	08/19	08/19	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Chloroform	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Styrene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV

Client #: CHI-00-030604
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Page: Page 2 of 2
 Date: 08/20/2004
 Log #: L96520-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

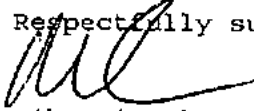
Analytical Report: MW1

Date Sampled: 08/12/2004
 Time Sampled: 14:30
 Date Received: 08/13/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Methylene Chloride	BDL	ug/l	5030/8260	5.0	08/19	08/19	SV
Styrene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Toluene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Trichloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	08/19	08/19	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	08/19	08/19	SV
MTBE	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Dilution Factor	1.0		5030/8260		08/19	08/19	SV
Surrogate Recoveries:							
Bromofluoromethane	139	%	5030/8260	68-145	08/19	08/19	SV
Toluene-D8	129	%	5030/8260	62-133	08/19	08/19	SV
4-Bromofluorobenzene	133	%	5030/8260	56-135	08/19	08/19	SV
Metals							
Arsenic	15	ug/l	3010/6010	10	08/17	08/19	VR
Barium	210	ug/l	3010/6010	10	08/17	08/19	VR
Cadmium	BDL	ug/l	3010/6010	5.0	08/17	08/19	VR
Chromium	8.3	ug/l	3010/6010	5.0	08/17	08/19	VR
Lead	17	ug/l	3010/6010	5.0	08/17	08/19	VR
Selenium	BDL	ug/l	3010/6010	10	08/17	08/19	VR
Silver	BDL	ug/l	3010/6010	10	08/17	08/19	VR
Mercury	BDL	ug/l	245.1	0.20	08/19	08/19	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail 4:R or 3RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 2
 Date: 08/20/2004
 Log #: L96520-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW2

Date Sampled: 08/12/2004
 Time Sampled: 13:00
 Date Received: 08/13/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	08/19	08/19	SV
2-Hexanone	BDL	ug/l	5030/8260	10	08/19	08/19	SV
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	08/19	08/19	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	08/19	08/19	SV
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	08/19	08/19	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	08/19	08/19	SV
Acetone	BDL	ug/l	5030/8260	10	08/19	08/19	SV
Benzene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	08/19	08/19	SV
Bromoform	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	08/19	08/19	SV
n-Butyl Alcohol	BDL	ug/l	5030/8260	500	08/19	08/19	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	08/19	08/19	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	08/19	08/19	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Chloroform	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
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 Lawrence Kruk

Page: Page 2 of 2
 Date: 08/20/2004
 Log #: L96520-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101


Analytical Report: MW2

Date Sampled: 08/12/2004
 Time Sampled: 13:00
 Date Received: 08/13/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Methylene Chloride	BDL	ug/l	5030/8260	5.0	08/19	08/19	SV
Styrene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Toluene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Trichloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	08/19	08/19	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	08/19	08/19	SV
MTEE	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Dilution Factor	1.0		5030/8260		08/19	08/19	SV
Surrogate Recoveries:							
Dibromofluoromethane	125	%	5030/8260	68-145	08/19	08/19	SV
Toluene-D8	114	%	5030/8260	62-133	08/19	08/19	SV
4-Bromofluorobenzene	121	%	5030/8260	56-135	08/19	08/19	SV
Metals							
Arsenic	BDL	ug/l	3010/6010	10	08/17	08/19	VR
Barium	62	ug/l	3010/6010	10	08/17	08/19	VR
Cadmium	BDL	ug/l	3010/6010	5.0	08/17	08/19	VR
Chromium	BDL	ug/l	3010/6010	5.0	08/17	08/19	VR
Lead	5.6	ug/l	3010/6010	5.0	08/17	08/19	VR
Selenium	BDL	ug/l	3010/6010	10	08/17	08/19	VR
Silver	BDL	ug/l	3010/6010	10	08/17	08/19	VR
Mercury	BDL	ug/l	245.1	0.20	08/19	08/19	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail 4:TR or TRPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 2
 Date: 08/20/2004
 Log #: L96520-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW3

Date Sampled: 08/12/2004
 Time Sampled: 13:40
 Date Received: 08/13/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	08/19	08/19	SV
2-Hexanone	BDL	ug/l	5030/8260	10	08/19	08/19	SV
IBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	08/19	08/19	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,1-Dichloroethene	EDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	08/19	08/19	SV
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	08/19	08/19	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	08/19	08/19	SV
Acetone	BDL	ug/l	5030/8260	10	08/19	08/19	SV
Benzene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	08/19	08/19	SV
Bromoform	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	08/19	08/19	SV
n-Butyl Alcohol	BDL	ug/l	5030/8260	500	08/19	08/19	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	08/19	08/19	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	08/19	08/19	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Chloroform	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Ethylbenzene	12	ug/l	5030/8260	1.0	08/19	08/19	SV

Client #: CHI-00-030604
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 Date: 08/20/2004
 Log #: L96520-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

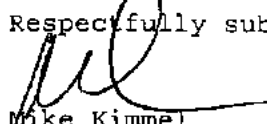
Analytical Report: MW3

Date Sampled: 08/12/2004
 Time Sampled: 13:40
 Date Received: 08/13/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable	Extr.	Anly.	Analyst
				Limit	Date	Date	
Volatile Organic Compounds (continued)							
Methylene Chloride	BDL	ug/l	5030/8260	5.0	08/19	08/19	SV
Styrene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Toluene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Trichloroethene	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	08/19	08/19	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Total Xylenes	12	ug/l	5030/8260	2.0	08/19	08/19	SV
MTBE	BDL	ug/l	5030/8260	1.0	08/19	08/19	SV
Dilution Factor	1.0		5030/8260		08/19	08/19	SV
Surrogate Recoveries:							
Dibromofluoromethane	141	%	5030/8260	68-145	08/19	08/19	SV
Toluene-D8	125	%	5030/8260	62-133	08/19	08/19	SV
4-Bromofluorobenzene	100	%	5030/8260	56-135	08/19	08/19	SV
Metals							
Arsenic	BDL	ug/l	3010/6010	10	08/17	08/19	VR
Barium	86	ug/l	3010/6010	10	08/17	08/19	VR
Cadmium	BDL	ug/l	3010/6010	5.0	08/17	08/19	VR
Chromium	BDL	ug/l	3010/6010	5.0	08/17	08/19	VR
Lead	12	ug/l	3010/6010	5.0	08/17	08/19	VR
Selenium	BDL	ug/l	3010/6010	10	08/17	08/19	VR
Silver	BDL	ug/l	3010/6010	10	08/17	08/19	VR
Mercury	BDL	ug/l	245.1	0.20	08/19	08/19	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail IR or IRPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDQH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40650
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
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 Lawrence Kruk

Page: Page 1 of 3
 Date: 08/26/2004
 Log #: L96804-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-57 (5-8')

Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	65	08/21	08/23	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	65	08/21	08/23	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	350	08/21	08/23	LN
Dilution Factor	1.0		3550/8270		08/21	08/23	LN
Surrogate Recoveries:							
Nitrobenzene-d5	57	%	3550/8270	15-121	08/21	08/23	LN
2-Fluorobiphenyl	57	%	3550/8270	42-111	08/21	08/23	LN
Terphenyl-d14	62	%	3550/8270	37-143	08/21	08/23	LN
Percent Solids							
Percent Solid	93	%	SM2540B	0.10	08/20	08/20	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	46	08/17	08/24	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	46	08/17	08/24	BL
IBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	46	08/17	08/24	BL

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 Date: 08/26/2004
 Log #: L96804-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-57 (5-8')

Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.8	08/17	08/24	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.8	08/17	08/24	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.8	08/17	08/24	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.8	08/17	08/24	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.92	08/17	08/24	BL
Acetone	BDL	ug/kg (dw)	5035/8260	46	08/17	08/24	BL
Benzene	2.0	ug/kg (dw)	5035/8260	1.8	08/17	08/24	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.8	08/17	08/24	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	460	08/17	08/24	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	46	08/17	08/24	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.8	08/17	08/24	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	9.2	08/17	08/24	BL
Styrene	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
Toluene	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	9.2	08/17	08/24	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.7	08/17	08/24	BL
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.6	08/17	08/24	BL
MTBE	BDL	ug/kg (dw)	5035/8260	46	08/17	08/24	BL
Dilution Factor	0.86		5035/8260		08/17	08/24	BL
Surrogate Recoveries:							
Dibromofluoromethane	91	%	5035/8260	.52-155	08/17	08/24	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 08/26/2004
 Log #: L96804-1

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-57 (5-8')
 Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Toluene-D8	70	%	5035/8260	46-154	08/17	08/24	BL
4-Bromofluorobenzene	44	%	5035/8260	36-138	08/17	08/24	BL
Metals							
Arsenic	1800	ug/kg (dw)	3050/6010	540	08/23	08/24	VR
Barium	13000	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Cadmium	BDL C7	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Chromium	6000 C7	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Lead	BDL	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Selenium	BDL C7	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Silver	BDL	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Mercury	BDL	ug/kg (dw)	7471	110	08/25	08/25	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U below reporting limit, DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

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Page: Page 1 of 2
 Date: 08/26/2004
 Log #: L96804-2

Sample Description:
 Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-134 (3-6')
 Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Fluoranthene	640	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Pyrene	740	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Benzo(a)anthracene	450	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Benzo(a)pyrene	400	ug/kg (dw)	3550/8270	69	08/21	08/23	LN
Benzo(b)fluoranthene	550	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Chrysene	450	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	69	08/21	08/23	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Phenanthrene	430	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Dilution Factor	1.0		3550/8270		08/21	08/23	LN
Surrogate Recoveries:							
Nitrobenzene-d5	55	%	3550/8270	15-121	08/21	08/23	LN
2-Fluorobiphenyl	58	%	3550/8270	42-111	08/21	08/23	LN
Terphenyl-d14	74	%	3550/8270	37-143	08/21	08/23	LN
Percent Solids							
Percent Solid	87	%	SM2540B	0.10	08/20	08/20	KB

Client #: CHI-00-030604
Address: Pioneer Environmental
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Page: Page 2 of 2
Date: 08/26/2004
Log #: L96804-2

Sample Description:

Elgin MHC
Proj.#: 04-1211-101

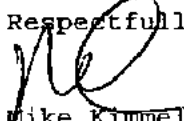
Analytical Report: B-134 (3-6')
Date Sampled: 08/17/2004
Time Sampled: 00:00
Date Received: 08/19/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Extr.		Anly.		Analyst
				Limit	Date	Date		

Percent Solids (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
PA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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Page: Page 1 of 2
 Date: 08/26/2004
 Log #: L96804-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-135 (3-6')
 Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Benzo(a) anthracene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Benzo(a) pyrene	BDL	ug/kg (dw)	3550/8270	68	08/21	08/23	LN
Benzo(b) fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Benzo(k) fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Dibenzo(a,h) Anthracene	BDL	ug/kg (dw)	3550/8270	68	08/21	08/23	LN
Indeno(1,2,3-c,d) pyrene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Benzo(g,h,i) perylene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	380	08/21	08/23	LN
Dilution Factor	1.0		3550/8270		08/21	08/23	LN
Surrogate Recoveries:							
Nitrobenzene-d5	49	%	3550/8270	15-121	08/21	08/23	LN
2-Fluorobiphenyl	53	%	3550/8270	42-111	08/21	08/23	LN
Terphenyl-d14	65	%	3550/8270	37-143	08/21	08/23	LN
Percent Solids							
Percent Solid	88	%	SM2540B	0.10	08/20	08/20	KB

Client #: CHI-00-030604
Address: Pioneer Environmental
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Page: Page 2 of 2
Date: 08/26/2004
Log #: L96804-3

Sample Description:

Elgin MHC
Proj.#: 04-1211-101


Analytical Report: B-135 (3-6')
Date Sampled: 08/17/2004
Time Sampled: 00:00
Date Received: 08/19/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Extr. Limit	Anly. Date	Analyst
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Percent Solids (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLAEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLLEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
IA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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Page: Page 1 of 2
 Date: 08/26/2004
 Log #: L96804-10

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-139 (3-6')

Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Benzo (a) anthracene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Benzo (a) pyrene	73	ug/kg (dw)	3550/8270	70	08/24	08/25	LN
Benzo (b) fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Benzo (k) fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Dibenzo (a, h) Anthracene	BDL	ug/kg (dw)	3550/8270	70	08/24	08/25	LN
Indeno (1, 2, 3-c, d) pyrene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Benzo (g, h, i) perylene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Dilution Factor	1.0		3550/8270		08/24	08/25	LN
Surrogate Recoveries:							
Nitrobenzene-d5	55	%	3550/8270	15-121	08/24	08/25	LN
2-Fluorobiphenyl	65	%	3550/8270	42-111	08/24	08/25	LN
Terphenyl-d14	82	%	3550/8270	37-143	08/24	08/25	LN
Percent Solids							
Percent Solid	86	%	SM2540B	0.10	08/20	08/20	KB

Client #: CHI-00-030604
Address: Pioneer Environmental
700 N. Sacramento
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Page: Page 2 of 2
Date: 08/26/2004
Log #: L96804-10

Sample Description:

Elgin MHC
Proj.#: 04-1211-101

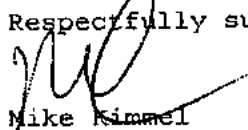
Analytical Report: B-139 (3-6')
Date Sampled: 08/17/2004
Time Sampled: 00:00
Date Received: 08/19/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Extr.		Anly.	Analyst
				Limit	Date	Date	

~~Percent Solids~~ (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
A CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 2
 Date: 08/26/2004
 Log #: L96804-12

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-140 (3-6')
 Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	69	08/24	08/25	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	69	08/24	08/25	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	380	08/24	08/25	LN
Dilution Factor	1.0		3550/8270		08/24	08/25	LN
Surrogate Recoveries:							
Nitrobenzene-d5	57	%	3550/8270	15-121	08/24	08/25	LN
2-Fluorobiphenyl	71	%	3550/8270	42-111	08/24	08/25	LN
Tetphenyl-d14	95	%	3550/8270	37-143	08/24	08/25	LN
Percent Solids							
Percent Solid	87	%	SM2540B	0.10	08/20	08/20	KB

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Page: Page 2 of 2
Date: 08/26/2004
Log #: L96804-12

Sample Description:

Elgin MHC
Proj.#: 04-1211-101


Analytical Report: B-140 (3-6')
Date Sampled: 08/17/2004
Time Sampled: 00:00
Date Received: 08/19/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Extr.		Anly.	Analyst
				Limit	Date	Date	

Percent Solids (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	CA CERT# 917
PA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Lawrence Kruk

Page: Page 1 of 2
 Date: 08/26/2004
 Log #: L96804-14

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-141 (3-6')

Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Benzo(a)pyrene	140	ug/kg (dw)	3550/8270	82	08/24	08/25	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	82	08/24	08/25	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	450	08/24	08/25	LN
Dilution Factor	1.0		3550/8270		08/24	08/25	LN
Surrogate Recoveries:							
Nitrobenzene-d5	50	%	3550/8270	15-121	08/24	08/25	LN
2-Fluorobiphenyl	51	%	3550/8270	42-111	08/24	08/25	LN
Terphenyl-d14	71	%	3550/8270	37-143	08/24	08/25	LN
Percent Solids							
Percent Solid	73	%	SM2540B	0.10	08/20	08/20	KB

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Page: Page 2 of 2
Date: 08/26/2004
Log #: L96804-14

Sample Description:

Elgin MHC
Proj.#: 04-1211-101


Analytical Report: B-141 (3-6')
Date Sampled: 08/17/2004
Time Sampled: 00:00
Date Received: 08/19/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Extr. Limit	Anly. Date	Analyst
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Percent Solids (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDQH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
IA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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Page: Page 1 of 2
 Date: 08/26/2004
 Log #: L96804-15

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-142 (1.0')

Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Pyrene	660	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Benzo(a) anthracene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Benzo(a) pyrene	240	ug/kg (dw)	3550/8270	72	08/24	08/25	LN
Benzo(b) fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Benzo(k) fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Dibenzo(a,h) Anthracene	BDL	ug/kg (dw)	3550/8270	72	08/24	08/25	LN
Indeno(1,2,3-c,d) pyrene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Benzo(g,h,i) perylene	BDL	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Phenanthrene	660	ug/kg (dw)	3550/8270	400	08/24	08/25	LN
Dilution Factor	1.0		3550/8270		08/24	08/25	LN
Surrogate Recoveries:							
Nitrobenzene-d5	60	%	3550/8270	15-121	08/24	08/25	LN
2-Fluorobiphenyl	71	%	3550/8270	42-111	08/24	08/25	LN
Terphenyl-d14	100	%	3550/8270	37-143	08/24	08/25	LN
Percent Solids							
Percent Solid	83	%	SM2540B	0.10	08/20	08/20	KB

Client #: CHI-00-030604
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Page: Page 2 of 2
Date: 08/26/2004
Log #: L96804-15

Sample Description:

Elgin MHC
Proj.#: 04-1211-101

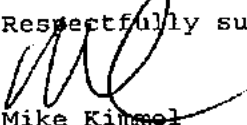
Analytical Report: B-142 (1.0')
Date Sampled: 08/17/2004
Time Sampled: 00:00
Date Received: 08/19/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
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~~Percent Solids~~ (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail &R or &RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
A CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Lawrence Kruk

Page: Page 1 of 1
 Date: 08/26/2004
 Log #: L96804-16

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

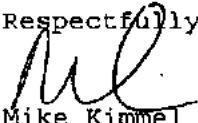
Analytical Report: B-142 (2.0')

Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	89	%	SM2540B	0.10	08/20	08/20	KB
Metals							
Arsenic	4700	ug/kg (dw)	3050/6010	560	08/23	08/24	VR
Barium	37000	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Chromium	8200	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Lead	8700	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Selenium	BDL	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Silver	BDL	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Mercury	BDL	ug/kg (dw)	7471	110	08/25	08/25	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail WR or %RPD; 4:matrix int. 5:improper fld. protocol
 FLESP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Lawrence Kruk

Page: Page 1 of 2
 Date: 08/26/2004
 Log #: L96804-17

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-143 (1.0')

Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Benzo(a)pyrene	71	ug/kg (dw)	3550/8270	67	08/24	08/25	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	67	08/24	08/25	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Dilution Factor	1.0		3550/8270		08/24	08/25	LN
Surrogate Recoveries:							
Nitrobenzene-d5	40	%	3550/8270	15-121	08/24	08/25	LN
2-Fluorobiphenyl	57	%	3550/8270	42-111	08/24	08/25	LN
Terphenyl-d14	90	%	3550/8270	37-143	08/24	08/25	LN
Percent Solids							
Percent Solid	90	%	SM2540B	0.10	08/20	08/20	KB

Client #: CHI-00-030604
Address: Pioneer Environmental
700 N. Sacramento
Suite 100
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Lawrence Kruk

Page: Page 2 of 2
Date: 08/26/2004
Log #: L96804-17

Sample Description:

Elgin MHC
Proj.#: 04-1211-101

Analytical Report: B-143 (1.0')
Date Sampled: 08/17/2004
Time Sampled: 00:00
Date Received: 08/19/2004
Collected By: Client

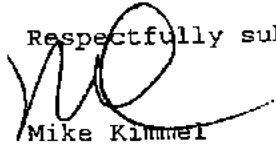
Parameter	Results	Units	Method	Reportable Extr.		Anly.	Analyst
				Limit	Date	Date	

Percent Solids (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
IA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,


Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 2
 Date: 08/26/2004
 Log #: L96804-19

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-144 (1.0')

Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Benzo (a) anthracene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Benzo (a) pyrene	BDL	ug/kg (dw)	3550/8270	66	08/24	08/25	LN
Benzo (b) fluoranthene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Benzo (k) fluoranthene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Dibenzo (a, h) Anthracene	BDL	ug/kg (dw)	3550/8270	66	08/24	08/25	LN
Indeno (1, 2, 3-c, d) pyrene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Benzo (g, h, i) perylene	BDL	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Phenanthrene	490	ug/kg (dw)	3550/8270	360	08/24	08/25	LN
Dilution Factor	1.0		3550/8270		08/24	08/25	LN
Surrogate Recoveries:							
Nitrobenzene-d5	53	%	3550/8270	15-121	08/24	08/25	LN
2-Fluorobiphenyl	66	%	3550/8270	42-111	08/24	08/25	LN
Terphenyl-d14	100	%	3550/8270	37-143	08/24	08/25	LN
Percent Solids							
Percent Solid	91	%	SM2540B	0.10	08/20	08/20	KB

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Address: Pioneer Environmental
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Page: Page 2 of 2
Date: 08/26/2004
Log #: L96804-19

Sample Description:

Elgin MHC
Proj.#: 04-1211-101


Analytical Report: B-144 (1.0')
Date Sampled: 08/17/2004
Time Sampled: 00:00
Date Received: 08/19/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
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Percent Solids (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# EB6240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
A CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Lawrence Kruk

Page: Page 1 of 4
 Date: 08/26/2004
 Log #: L96804-21

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-129B (3-6')

Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds							
2,4,5-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
2,4,6-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
2,4-Dichlorophenol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
2,4-Dimethylphenol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
2,4-Dinitrophenol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
2-Chlorophenol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
4,6-Dinitro-2-Methylphenol	BDL	ug/kg (dw)	3550/8270	1900	08/24	08/25	LN
2-Methylphenol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
2-Nitrophenol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
4-Chloro-3-Methylphenol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
3&4-Methylphenol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
4-Nitrophenol	BDL	ug/kg (dw)	3550/8270	1900	08/24	08/25	LN
Benzoic Acid	BDL	ug/kg (dw)	3550/8270	1900	08/24	08/25	LN
Pentachlorophenol	BDL	ug/kg (dw)	3550/8270	1900	08/24	08/25	LN
Phenol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
1,2,4-Trichlorobenzene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
1,2-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
1,3-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
1,4-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
2,4-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
2,6-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
2-Chloronaphthalene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
2-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
2-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1900	08/24	08/25	LN
3,3'-Dichlorobenzidine	BDL	ug/kg (dw)	3550/8270	750	08/24	08/25	LN
3-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1900	08/24	08/25	LN
4-Bromophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
4-Chloroaniline	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
4-Chlorophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN

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Page: Page 2 of 4
 Date: 08/26/2004
 Log #: L96804-21

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-129B (3-6')

Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
4-Nitroaniline	BDL	ug/kg (dw)	3550/8270	1900	08/24	08/25	LN
Bis(2-Chloroethoxy)methane	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Bis(2-Chloroethyl) Ether	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Bis(2-Ethylhexyl)Phthalate	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Butylbenzylphthalate	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Carbazole	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Di-N-Butylphthalate	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Di-N-Octylphthalate	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Dibenzofuran	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Diethylphthalate	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Dimethylphthalate	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Hexachlorobenzene	BDL	ug/kg (dw)	3550/8270	110	08/24	08/25	LN
Hexachlorobutadiene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Hexachlorocyclopentadiene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Hexachloroethane	BDL	ug/kg (dw)	3550/8270	110	08/24	08/25	LN
Isophorone	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
N-Nitrosodi-n-propylamine	BDL	ug/kg (dw)	3550/8270	67	08/24	08/25	LN
N-Nitrosodiphenylamine	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Nitrobenzene	BDL	ug/kg (dw)	3550/8270	110	08/24	08/25	LN
N-Nitrosodimethylamine	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Aniline	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Benzyl Alcohol	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Bis(2-Chloroisopropyl) Ether	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Naphthalene	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
1,2-Diphenylhydrazine	BDL	ug/kg (dw)	3550/8270	370	08/24	08/25	LN
Benzidine	BDL	ug/kg (dw)	3550/8270	3000	08/24	08/25	LN
Dilution Factor	1.0		3550/8270		08/24	08/25	LN
Surrogate Recoveries:							
2-Fluorophenol	56	%	3550/8270	29-109	08/24	08/25	LN
Phenol-d5	63	%	3550/8270	30-109	08/24	08/25	LN
Nitrobenzene-d5	59	%	3550/8270	15-121	08/24	08/25	LN
2-Fluorobiphenyl	66	%	3550/8270	42-111	08/24	08/25	LN
2,4,6-Tribromophenol	89	%	3550/8270	47-124	08/24	08/25	LN
Terphenyl-d14	68	%	3550/8270	37-143	08/24	08/25	LN
Percent Solids							
Percent Solid	89	%	SM2540B	0.10	08/20	08/20	KB
Polychlorinated Biphenyls							

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Chicago, IL 60612
 Lawrence Kruk

Page: Page 3 of 4
 Date: 08/26/2004
 Log #: L96804-21

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-129B (3-6')
 Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polychlorinated Biphenyls (continued)							
PCB 1016	BDL	ug/kg (dw)	3550/8082	19	08/24	08/25	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	19	08/24	08/25	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	19	08/24	08/25	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	19	08/24	08/25	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	19	08/24	08/25	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	19	08/24	08/25	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	19	08/24	08/25	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	19	08/24	08/25	EM
Dilution Factor	1.0		3550/8082		08/24	08/25	EM
Surrogate Recoveries:							
TCMX	68	%	3550/8082	20-145	08/24	08/25	EM
Decachlorobiphenyl	72	%	3550/8082	11-159	08/24	08/25	EM
General Chemistry							
Cyanide	BDL	mg/kg (dw)	9012	0.56	08/24	08/25	IG
Metals							
Aluminum	13000000	ug/kg (dw)	3050/6010	56000	08/23	08/24	VR
Antimony	BDL	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Beryllium	BDL	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Calcium	47000000	ug/kg (dw)	3050/6010	56000	08/23	08/24	VR
Cobalt	6500	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Copper	17000	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Iron	20000000	ug/kg (dw)	3050/6010	56000	08/23	08/24	VR
Magnesium	24000000	ug/kg (dw)	3050/6010	56000	08/23	08/24	VR
Manganese	470000	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Nickel	16000	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Potassium	1500000	ug/kg (dw)	3050/6010	56000	08/23	08/24	JS
Sodium	190000	ug/kg (dw)	3050/6010	56000	08/23	08/24	JS
Thallium	BDL	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Vanadium	36000	ug/kg (dw)	3050/6010	1100	08/23	08/24	VR
Zinc	55000	ug/kg (dw)	3050/6010	2200	08/23	08/24	VR
Organochlorine Pesticides							
alpha-BHC	BDL	ug/kg (dw)	3550/8081	1.9	08/24	08/24	SB
gamma-BHC	BDL	ug/kg (dw)	3550/8081	1.9	08/24	08/24	SB
beta-BHC	BDL	ug/kg (dw)	3550/8081	1.9	08/24	08/24	SB
Heptachlor	BDL	ug/kg (dw)	3550/8081	1.9	08/24	08/24	SB
delta-BHC	BDL	ug/kg (dw)	3550/8081	1.9	08/24	08/24	SB

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Page: Page 4 of 4
 Date: 08/26/2004
 Log #: L96804-21

Sample Description:


Analytical Report: B-129B (3-6')
 Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Elgin MHC
 Proj.#: 04-1211-101

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Organochlorine Pesticides (continued)							
Aldrin	BDL	ug/kg (dw)	3550/8081	1.9	08/24	08/24	SB
Heptachlor Epoxide	BDL	ug/kg (dw)	3550/8081	1.9	08/24	08/24	SB
gamma-Chlordane	BDL	ug/kg (dw)	3550/8081	1.9	08/24	08/24	SB
alpha-Chlordane	BDL	ug/kg (dw)	3550/8081	1.9	08/24	08/24	SB
Endosulfan I	BDL	ug/kg (dw)	3550/8081	1.9	08/24	08/24	SB
4,4'-DDE	81	ug/kg (dw)	3550/8081	3.7	08/24	08/24	SB
Dieldrin	4.0	ug/kg (dw)	3550/8081	1.9	08/24	08/24	SB
Endrin	BDL	ug/kg (dw)	3550/8081	3.7	08/24	08/24	SB
4,4'-DDD	BDL	ug/kg (dw)	3550/8081	37	08/24	08/25	SB
Endosulfan II	BDL	ug/kg (dw)	3550/8081	3.7	08/24	08/24	SB
4,4'-DDT	BDL	ug/kg (dw)	3550/8081	37	08/24	08/25	SB
Endrin Aldehyde	BDL	ug/kg (dw)	3550/8081	3.7	08/24	08/24	SB
Endosulfan Sulfate	BDL	ug/kg (dw)	3550/8081	3.7	08/24	08/24	SB
Methoxychlor	BDL	ug/kg (dw)	3550/8081	190	08/24	08/25	SB
Endrin Ketone	BDL	ug/kg (dw)	3550/8081	3.7	08/24	08/24	SB
Toxaphene	BDL	ug/kg (dw)	3550/8081	1100	08/24	08/25	SB
Dilution Factor	1.0		3550/8081		08/24	08/24	SB
Surrogate Recoveries:							
TCMX	51	%	3550/8081	22-137	08/24	08/24	SB
DCS	69	%	3550/8081	27-120	08/24	08/24	SB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

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Page: Page 1 of 2
 Date: 08/26/2004
 Log #: L96804-22

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-1

Date Sampled: 08/18/2004
 Time Sampled: 12:15
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	5.0	08/24	08/25	LN
Acenaphthene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Anthracene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Fluoranthene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Fluorene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Pyrene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Benzo(a)anthracene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Benzo(a)pyrene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Chrysene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	0.20	08/24	08/25	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Acenaphthylene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Phenanthrene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Dilution Factor	1.0		3510/8270		08/24	08/25	LN
Surrogate Recoveries:							
Nitrobenzene-d5	46	%	3510/8270	28-128	08/24	08/25	LN
2-Fluorobiphenyl	58	%	3510/8270	45-126	08/24	08/25	LN
Terphenyl-d14	76	%	3510/8270	50-146	08/24	08/25	LN
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1221	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1232	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1242	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1248	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1254	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM

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 Log #: L96804-22

Sample Description:

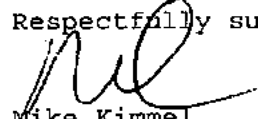
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-1
 Date Sampled: 08/18/2004
 Time Sampled: 12:15
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polychlorinated Biphenyls (continued)							
PCB 1260	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
Dilution Factor	1.0		3510/8082		08/20	08/24	EM
Surrogate Recoveries:							
TCMX	80	%	3510/8082	41-153	08/20	08/24	EM
Decachlorobiphenyl	52	%	3510/8082	31-170	08/20	08/24	EM

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 2
 Date: 08/26/2004
 Log #: L96804-23

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-2
 Date Sampled: 08/18/2004
 Time Sampled: 12:30
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	5.0	08/24	08/25	LN
Acenaphthene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Anthracene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Fluoranthene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Fluorene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Pyrene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Benzo (a) anthracene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Benzo (a) pyrene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Benzo (b) fluoranthene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Benzo (k) fluoranthene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Chrysene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Dibenzo (a, h) Anthracene	BDL	ug/l	3510/8270	0.20	08/24	08/25	LN
Indeno (1, 2, 3-c, d) pyrene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Acenaphthylene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Benzo (g, h, i) perylene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Phenanthrene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Dilution Factor	1.0		3510/8270		08/24	08/25	LN
Surrogate Recoveries:							
Nitrobenzene-d5	36	%	3510/8270	28-128	08/24	08/25	LN
2-Fluorobiphenyl	47	%	3510/8270	45-126	08/24	08/25	LN
Terphenyl-d14	82	%	3510/8270	50-146	08/24	08/25	LN
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1221	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1232	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1242	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1248	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1254	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM

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 Date: 08/26/2004
 Log #: L96804-23

Sample Description:

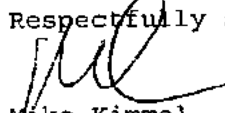
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-2
 Date Sampled: 08/18/2004
 Time Sampled: 12:30
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polychlorinated Biphenyls (continued)							
PCB 1260	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
Dilution Factor	1.0		3510/8082		08/20	08/24	EM
Surrogate Recoveries:							
TCMX	78	%	3510/8082	41-153	08/20	08/24	EM
Decachlorobiphenyl	42	%	3510/8082	31-170	08/20	08/24	EM

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 PLD&P Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 PLD&P Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 PLD&P Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
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Page: Page 1 of 2
 Date: 08/26/2004
 Log #: L96804-24

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-3

Date Sampled: 08/18/2004
 Time Sampled: 12:45
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	5.0	08/24	08/25	LN
Acenaphthene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Anthracene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Fluoranthene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Fluorene	1.3	ug/l	3510/8270	1.0	08/24	08/25	LN
Pyrene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Benzo(a)anthracene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Benzo(a)pyrene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Chrysene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	0.20	08/24	08/25	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Acenaphthylene	BDL	ug/l	3510/8270	1.0	08/24	08/25	LN
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	0.10	08/24	08/25	LN
Phenanthrene	1.7	ug/l	3510/8270	1.0	08/24	08/25	LN
Dilution Factor	1.0		3510/8270		08/24	08/25	LN
Surrogate Recoveries:							
Nitrobenzene-d5	29	%	3510/8270	28-128	08/24	08/25	LN
2-Fluorobiphenyl	32	%	3510/8270	45-126	08/24	08/25	LN
Terphenyl-d14	71	%	3510/8270	50-146	08/24	08/25	LN
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1221	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1232	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1242	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1248	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
PCB 1254	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 08/26/2004
 Log #: L96804-24

Sample Description:

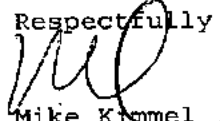
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-3
 Date Sampled: 08/18/2004
 Time Sampled: 12:45
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polychlorinated Biphenyls (continued)							
PCB 1260	BDL	ug/l	3510/8082	0.50	08/20	08/24	EM
Dilution Factor	1.0		3510/8082		08/20	08/24	EM
Surrogate Recoveries:							
TCMX	95	%	3510/8082	41-153	08/20	08/24	EM
Decachlorobiphenyl	48	%	3510/8082	31-170	08/20	08/24	EM

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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Page: Page 1 of 3
 Date: 08/26/2004
 Log #: L96804-25

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B60 (5-8')
 Date Sampled: 08/18/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	76	08/21	08/23	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	76	08/21	08/23	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	420	08/21	08/23	LN
Dilution Factor	1.0		3550/8270		08/21	08/23	LN
Surrogate Recoveries:							
Nitrobenzene-d5	57	%	3550/8270	15-121	08/21	08/23	LN
2-Fluorobiphenyl	42	%	3550/8270	42-111	08/21	08/23	LN
Terphenyl-d14	52	%	3550/8270	37-143	08/21	08/23	LN
Percent Solids							
Percent Solid	79	%	SM2540B	0.10	08/20	08/20	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	53	08/18	08/24	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	53	08/18	08/24	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	53	08/18	08/24	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
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Page: Page 2 of 3
 Date: 08/26/2004
 Log #: L96804-25

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B60 (5-8')
 Date Sampled: 08/18/2004
 Time Sampled: 00:00
 Date Received: 08/19/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatiles Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	2.1	08/18	08/24	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	2.1	08/18	08/24	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.1	08/18	08/24	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.1	08/18	08/24	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	1.1	08/18	08/24	BL
Acetone	BDL	ug/kg (dw)	5035/8260	53	08/18	08/24	BL
Benzene	BDL	ug/kg (dw)	5035/8260	2.1	08/18	08/24	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	2.1	08/18	08/24	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	530	08/18	08/24	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	53	08/18	08/24	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	2.1	08/18	08/24	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	11	08/18	08/24	BL
Styrene	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
Toluene	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	11	08/18	08/24	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	4.2	08/18	08/24	BL
Total Xylenes	BDL	ug/kg (dw)	5035/8260	5.3	08/18	08/24	BL
MFBE	BDL	ug/kg (dw)	5035/8260	53	08/18	08/24	BL
Dilution Factor	0.83		5035/8260		08/18	08/24	BL
Surrogate Recoveries:							
Dibromofluoromethane	84	%	5035/8260	52-155	08/18	08/24	BL

Client #: CHI-00-030604
Address: Pioneer Environmental
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Page: Page 3 of 3
Date: 08/26/2004
Log #: L96804-25

Sample Description:

Elgin MHC
Proj.#: 04-1211-101


Analytical Report: B60 (5-8')
Date Sampled: 08/18/2004
Time Sampled: 00:00
Date Received: 08/19/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Toluene-D8	69	%	5035/8260	46-154	08/18	08/24	BL
4-Bromofluorobenzene	52	%	5035/8260	36-138	08/18	08/24	BL
Metals							
Arsenic	5200	ug/kg (dw)	3050/6010	630	08/23	08/24	VR
Barium	49000	ug/kg (dw)	3050/6010	1300	08/23	08/24	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1300	08/23	08/24	VR
Chromium	23000	ug/kg (dw)	3050/6010	1300	08/23	08/24	VR
Lead	5700	ug/kg (dw)	3050/6010	1300	08/23	08/24	VR
Selenium	BDL C23	ug/kg (dw)	3050/6010	1900	08/23	08/24	VR
Silver	BDL	ug/kg (dw)	3050/6010	1300	08/23	08/24	VR
Mercury	BDL	ug/kg (dw)	7471	130	08/25	08/25	VK

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Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395

KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Most Common Flags (Qualifiers used by USB)**Flag Meaning**

- X1:** CCV sample values are above $\pm 15\%$ but within the $\pm 25\%$ range per CLP Statement of Work.
- MI:** Matrix Interference. (this code must be accompanied with an explanation)
- IL:** In house Limits. Recovery outside method control limits but within laboratory's historically derived control limits.
- DL:** Sample dilution caused poor or no surrogate recovery.
- CP2-4:** P=Panel Of x. Used when less than a five people panel determined the odor of a sample. There should never be less than two people in the panel.
(Example of use: if a panel of 2 people determined the odor of a sample the results must be qualified with CP2, if 3 people qualify with CP3, if 4 people qualify with CP4)
- C1:** Colony counts are found to be outside the acceptable range: (Heterotrophic Plate Counts: 30-300).
- C2:** Heavy growth, thereby interfering with detection of coliform colonics (applies to both TNTC and confluent)
- C3:** Matrix interference due to excessive chlorine
- C4:** BOD dilution water blank exceeds 0.2 mg/L detection limit.
- C5:** BOD seeded dilution water blank outside 0.6-1.0 mg/L depletion limits.
- C6:** BOD sample result estimated due to the oxygen depletion being outside acceptable range.
- C7:** MS and/or MSD recoveries outside control limits, however LCS and/or LCSD within limits. Data reported
- C8:** MS and/or MSD recoveries outside control limits due to the high level of target analyte in the spiked sample. LCS and/or LCSD within limits. Data reported
- C9:** The reported analyte is not NELAC certified.
- C13:** MS / MSD reported from a post-digestion / distillation spike.

Most Common Flags (Qualifiers used by USB)

Flag - Meaning

- C18:** As per client request, sample for Dissolved Metal analysis was filtered and preserved by the laboratory upon receipt.
- C21:** See attached Case Narrative or Non-Conformance / Corrective Action Report.
- C22:** The addition of Spike solution was inadvertently omitted.
- C23:** Detection Limit has been elevated due to high negative values.
- C24:** Detection Limit has been adjusted to sample volume.
- C50:** The addition of Surrogate (s) was inadvertently omitted.
- C58:** Continuing and/or Closing Calibration Check Standard recovery was below the limit allowed by method. Sample results were evaluated and reported based on MDL supporting analysis of lower concentrations.
- C59:** Result was based on a one-point calibration
- C61:** The LCS (D) % Recovery has recovered above acceptable limits. The reported target analyte is Below Detection Limit (BDL) establishing that there is no high biased result reported.
- C62:** Although target analyte was detected above the reporting limit in the blank, the target analyte was not detected above the reporting limit in the sample(s); therefore, the quality of the sample (s) result has not been compromised.
- C63:** Surrogate has recovered outside acceptable limits. Sample has been analyzed twice to confirm Matrix Interference.

CHAIN OF CUSTODY RECORD

USBIO SYSTEMS Log # 96804

T#S 25 Quote: _____

Page 1 of 3

Company Name Pioneer Eng & Env PO# _____
 Address 700 N. Sacramento Blvd Suite 101
 City Chicago State IL Zip 60612
 Attn: LAWRENCE KRAK Fax# 312.587.8210
 Project Name Elgin MHC Proj# 04-1211-101
 Sampler Name/Signature L. Krak Phone# 312.587.1021

Sample ID	Date	Matrix	Code	Volume	Notes
-1 B-57 (5'-8')	8-17-04	SO	SO	3-4oz, 1-5oz, 1-4oz	
-2 B-134 (3'-6')				1 4oz.	
-3 B-135 (3'-6')					
-4 B-136 (3'-6')					
-5 B-137 (6'-3')					
-6 B-137 (3'-6')					
-7 B-138 (6'-3')					
-8 B-138 (3'-6')					
-9 B-139 (6'-3')					
-0 B-139 (3'-6')					

Parameter	PAHs	SVOCs * OCs	PCBs *	Pesticides *	Inorganics	Trace Metals	Field Filtered (Y/N)	Integrity OK (Y/N)
PAHs	X							
SVOCs * OCs	X							
PCBs *	X							
Pesticides *								
Inorganics	X							
Trace Metals	X							
PAHs								
SVOCs * OCs								
PCBs *								
Pesticides *								
Inorganics								
Trace Metals								

Matrix Codes:
 SW Solid Waste
 GW Ground Water
 EFF Effluent
 AFW Analyte Free H₂O
 WW Waste Water
 DW Drinking Water
 SU Surface Water
 ML Misc. Liquid
 O1 Oil
 SL Sludge
 SO Soil Sediment
 AQ Aqueous
 NA Nonaqueous
 PE Petroleum
 O Other
 (Please Specify)

Pres./Codes:
 A. None
 B. HNO₃
 C. H₂SO₄
 D. NaOH
 E. HCL
 F. MeOH
 G. Na₂S₂O₃
 H. NaHSO₄
 I. ICE
 J. MCAA
 K. Zn Acetate
 O. Other

REMARKS:
 Hold
 Hold
 Hold
 Hold
 Hold
 Hold

QA	Date required	Y	N	1	2	3	Other	Y	N
QA									
10	8-19-04 9:30								
10	8-19-04 9:30								
10	8-19-04 9:30								
10	8-19-04 9:30								

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax
 C.O.C. # 67095

* See ATTACHED Target Compound List For ILLINOIS

ORIGINAL

CHAIN OF CUSTODY RECORD

USBIOSYSTEMS Log # 70804

#S Quote: Page 3 of 3

Company Name Pioneer Eng & Env. PO#
 Address 100 W. Sacramento Blvd. Suite 101
 City Chicago State IL Zip 60612
 Attn: Laverne Hank Fax# 312 587 8210
 Project Name Elgin MHC Proj# 04-1211-101
 Sampler Name/Signature L Hank Phone# 312 587 1021

LAB USE
 Samples INTACT upon arrival? YES NO N/A
 Received ON WET ICE? Temp.
 PROPER PRESERVATIVES indicated?
 Received WITHIN HOLDING TIME?
 CUSTODY SEALS INTACT?
 VOLATILES rec'd WITHOUT HEADSPACE?
 PROPER CONTAINERS used?

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AWW	Analyte Free H ₂ O	AQ	Aqueous
DW	Drinking Water	NA	Nonaqueous
SU	Surface Water	PE	Petroleum
ML	Misc. Liquid	O	Other

(Please Specify)

Pres/Codes

A.	None	G.	Na ₂ S ₂ O ₃
B.	HNO ₃	H.	NaHSO ₄
C.	H ₂ SO ₄	I.	ICE
D.	NaOH	J.	MCAA
E.	HCL	K.	Zn Acetate
F.	MeOH	O.	Other

#	Sample Label (Client ID)	Date	Time	Matrix Code	Volume	Parameters										Field Filtered (Y/N)	Integrity OK (Y/N)	REMARKS		
						1	2	3	4	5	6	7	8	9	10				11	12
-1	B-1298 (5'-8')	8-17-04		SO	4oz.	X	X	X	X	X	X	X	X	X	X	X	9/15/04			
-2	MW-1	8-18-04	1215	GW	1-Liter															
-3	MW-2		1230																	
-4	MW-3		1245																	
-5	B-600 (5'-8')	8-18-04		SO	3-4oz. 1-5/8" x 5/8" x 4oz.	X	X	X	X	X	X	X	X	X	X	X				
-6																				
-7																				
-8																				
-9																				
-10																				

#	Date required	Y	N	None	Other			Y	N	
					1	2	3			
5	8-19-04 9:35									
5	8-19-04 8:19:04 5PM									

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax
 C.O.C. # 67094

* See Attached TARGET Compound List For Illinois.

ORIGINAL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 3
 Date: 08/30/2004
 Log #: L96942-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-62 (5-8')
 Date Sampled: 08/18/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	73	08/25	08/28	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	73	08/25	08/28	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	400	08/25	08/28	LN
Dilution Factor	1.0		3550/8270		08/25	08/28	LN
Surrogate Recoveries:							
Nitrobenzene-d5	70	%	3550/8270	15-121	08/25	08/28	LN
2-Fluorobiphenyl	73	%	3550/8270	42-111	08/25	08/28	LN
Terphenyl-d14	78	%	3550/8270	37-143	08/25	08/28	LN
Percent Solids							
Percent Solid	82	%	SM2540B	0.10	08/24	08/24	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	41	08/18	08/27	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	41	08/18	08/27	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	41	08/18	08/27	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 3
 Date: 08/30/2004
 Log #: L96942-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-62 (5-8')

Date Sampled: 08/18/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.7	08/18	08/27	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.7	08/18	08/27	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	08/18	08/27	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	08/18	08/27	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.83	08/18	08/27	BL
Acetone	BDL	ug/kg (dw)	5035/8260	41	08/18	08/27	BL
Benzene	BDL	ug/kg (dw)	5035/8260	1.7	08/18	08/27	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.7	08/18	08/27	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	410	08/18	08/27	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	41	08/18	08/27	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.7	08/18	08/27	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	8.3	08/18	08/27	BL
Styrene	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
Toluene	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	8.3	08/18	08/27	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.3	08/18	08/27	BL
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.1	08/18	08/27	BL
MTBE	BDL	ug/kg (dw)	5035/8260	41	08/18	08/27	BL
Dilution Factor	0.68		5035/8260		08/18	08/27	BL
Surrogate Recoveries:							
Dibromofluoromethane	74	%	5035/8260	52-155	08/18	08/27	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 3 of 3
 Date: 08/30/2004
 Log #: L96942-1

Sample Description:

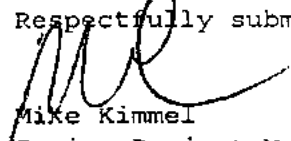
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-62 (5-8')
 Date Sampled: 08/18/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Toluene-D8	75	%	5035/8260	46-154	08/18	08/27	BL
4-Bromofluorobenzene	100	%	5035/8260	36-138	08/18	08/27	BL
Metals							
Arsenic	3700 C7	ug/kg (dw)	3050/6010	610	08/26	08/27	SB
Barium	38000 C7	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Cadmium	BDL C7	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Chromium	5600 C7	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Lead	4900 C7	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Selenium	BDL C7	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Silver	BDL	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Mercury	BDL	ug/kg (dw)	7471	120	08/25	08/25	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits, MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 3
 Date: 08/30/2004
 Log #: L96942-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-39 (2.5-7.5')

Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	74	08/25	08/28	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	74	08/25	08/28	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	410	08/25	08/28	LN
Dilution Factor	1.0		3550/8270		08/25	08/28	LN
Surrogate Recoveries:							
Nitrobenzene-d5	69	%	3550/8270	15-121	08/25	08/28	LN
2-Fluorobiphenyl	64	%	3550/8270	42-111	08/25	08/28	LN
Terphenyl-d14	69	%	3550/8270	37-143	08/25	08/28	LN
Percent Solids							
Percent Solid	81	%	SM2540B	0.10	08/24	08/24	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	47	08/19	08/27	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	47	08/19	08/27	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	47	08/19	08/27	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 3
 Date: 08/30/2004
 Log #: L96942-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-39 (2.5-7.5')
 Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/27	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/27	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/27	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/27	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.94	08/19	08/27	BL
Acetone	BDL	ug/kg (dw)	5035/8260	47	08/19	08/27	BL
Benzene	2.8	ug/kg (dw)	5035/8260	1.9	08/19	08/27	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/27	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	470	08/19	08/27	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	47	08/19	08/27	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/27	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	9.4	08/19	08/27	BL
Styrene	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
Toluene	5.7	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	9.4	08/19	08/27	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.8	08/19	08/27	BL
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.7	08/19	08/27	BL
MTBE	BDL	ug/kg (dw)	5035/8260	47	08/19	08/27	BL
Dilution Factor	0.76		5035/8260		08/19	08/27	BL
Surrogate Recoveries:							
Dibromofluoromethane	93	%	5035/8260	52-155	08/19	08/27	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
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 Log #: L96942-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

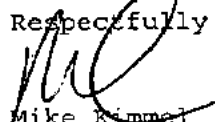
Analytical Report: B-39 (2.5-7.5')

Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatiles Organic Compounds (continued)							
Toluene-D8	92	%	5035/8260	46-154	08/19	08/27	BL
4-Bromofluorobenzene	95	%	5035/8260	36-138	08/19	08/27	BL
Metals							
Arsenic	7700	ug/kg (dw)	3050/6010	620	08/26	08/27	SB
Barium	120000	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Cadmium	BDL	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Chromium	12000	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Lead	15000	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Selenium	BDL	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Silver	BDL	ug/kg (dw)	3050/6010	1200	08/26	08/27	SB
Mercury	BDL	ug/kg (dw)	7471	120	08/25	08/25	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DI-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLLEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLLEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLLEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOM/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 08/30/2004
 Log #: L96942-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-42 (5-10')

Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	65	08/25	08/28	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	65	08/25	08/28	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Dilution Factor	1.0		3550/8270		08/25	08/28	LN
Surrogate Recoveries:							
Nitrobenzene-d5	60	%	3550/8270	15-121	08/25	08/28	LN
2-Fluorobiphenyl	60	%	3550/8270	42-111	08/25	08/28	LN
Terphenyl-d14	77	%	3550/8270	37-143	08/25	08/28	LN
Percent Solids							
Percent Solid	93	%	SM2540B	0.10	08/24	08/24	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL

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 Date: 08/30/2004
 Log #: L96942-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-42 (5-10')
 Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.97	08/19	08/26	BL
Acetone	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL
Benzene	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	480	08/19	08/26	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	9.7	08/19	08/26	BL
Styrene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Toluene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	9.7	08/19	08/26	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.9	08/19	08/26	BL
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
MTBE	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL
Dilution Factor	0.90		5035/8260		08/19	08/26	BL
Surrogate Recoveries:							
Dibromofluoromethane	80	%	5035/8260	52-155	08/19	08/26	BL

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 Log #: L96942-3

Sample Description:

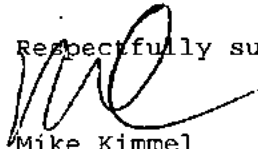
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-42 (5-10')
 Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Toluene-D8	59	%	5035/8260	46-154	08/19	08/26	BL
4-Bromofluorobenzene	39	%	5035/8260	36-138	08/19	08/26	BL
Metals							
Arsenic	6900	ug/kg (dw)	3050/6010	540	08/26	08/27	SB
Barium	49000	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Cadmium	BDL	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Chromium	9400	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Lead	9700	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Selenium	BDL	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Silver	BDL	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Mercury	BDL	ug/kg (dw)	7471	110	08/25	08/25	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; E-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
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 Lawrence Kruk

Page: Page 1 of 3
 Date: 08/30/2004
 Log #: L96942-4

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-44 (2.5-7.5')

Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	64	08/25	08/28	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	64	08/25	08/28	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	350	08/25	08/28	LN
Dilution Factor	1.0		3550/8270		08/25	08/28	LN
Surrogate Recoveries:							
Nitrobenzene-d5	63	%	3550/8270	15-121	08/25	08/28	LN
2-Fluorobiphenyl	63	%	3550/8270	42-111	08/25	08/28	LN
Terphenyl-d14	79	%	3550/8270	37-143	08/25	08/28	LN
Percent Solids							
Percent Solid	94	%	SM2540B	0.10	08/24	08/24	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL

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 Date: 08/30/2004
 Log #: L96942-4

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-44 (2.5-7.5')

Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.84	08/19	08/26	BL
Acetone	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL
Benzene	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	420	08/19	08/26	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	8.4	08/19	08/26	BL
Styrene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Toluene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	8.4	08/19	08/26	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.4	08/19	08/26	BL
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
MTBE	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL
Dilution Factor	0.79		5035/8260		08/19	08/26	BL
Surrogate Recoveries:							
Dibromofluoromethane	76	%	5035/8260	52-155	08/19	08/26	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 08/30/2004
 Log #: L96942-4

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-44 (2.5-7.5')
 Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Toluene-D8	59	%	5035/8260	46-154	08/19	08/26	BL
4-Bromofluorobenzene	44	%	5035/8260	36-138	08/19	08/26	BL
Metals							
Arsenic	7200	ug/kg (dw)	3050/6010	530	08/26	08/27	SB
Barium	53000	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Cadmium	BDL	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Chromium	11000	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Lead	7400	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Selenium	BDL C23	ug/kg (dw)	3050/6010	1400	08/26	08/27	SB
Silver	BDL	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Mercury	BDL	ug/kg (dw)	7471	110	08/25	08/25	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CBRT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 3
 Date: 08/30/2004
 Log #: L96942-5

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-49 (5-10')
 Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	69	08/25	08/28	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	69	08/25	08/28	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Phenanthrene	380	ug/kg (dw)	3550/8270	380	08/25	08/28	LN
Dilution Factor	1.0		3550/8270		08/25	08/28	LN
Surrogate Recoveries:							
Nitrobenzene-d5	64	%	3550/8270	15-121	08/25	08/28	LN
2-Fluorobiphenyl	64	%	3550/8270	42-111	08/25	08/28	LN
Terphenyl-d14	77	%	3550/8270	37-143	08/25	08/28	LN
Percent Solids							
Percent Solid	87	%	SM2540B	0.10	08/24	08/24	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Lawrence Kruk

Page: Page 2 of 3
 Date: 08/30/2004
 Log #: L96942-5

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-49 (5-10')
 Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.97	08/19	08/26	BL
Acetone	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL
Benzene	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	480	08/19	08/26	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.9	08/19	08/26	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	9.7	08/19	08/26	BL
Styrene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Toluene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	9.7	08/19	08/26	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.9	08/19	08/26	BL
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.8	08/19	08/26	BL
MTBE	BDL	ug/kg (dw)	5035/8260	48	08/19	08/26	BL
Dilution Factor	0.84		5035/8260		08/19	08/26	BL
Surrogate Recoveries:							
Dibromofluoromethane	20 C63	%	5035/8260	52-155	08/19	08/26	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Lawrence Kruk

Page: Page 3 of 3
 Date: 08/30/2004
 Log #: L96942-5

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-49 (5-10')
 Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Toluene-D8	14 C63	%	5035/8260	46-154	08/19	08/26	BL
4-Bromofluorobenzene	10 C63	%	5035/8260	36-138	08/19	08/26	BL
Metals							
Arsenic	3100	ug/kg (dw)	3050/6010	570	08/26	08/27	SB
Barium	10000	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Cadmium	BDL	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Chromium	4800	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Lead	3400	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Selenium	BDL	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Silver	BDL	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Mercury	BDL	ug/kg (dw)	7471	110	08/25	08/25	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLLEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix inc. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLLEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 3
 Date: 08/30/2004
 Log #: L96942-6

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-52 (2.5-7.5')
 Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	67	08/25	08/28	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	67	08/25	08/28	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	370	08/25	08/28	LN
Dilution Factor	1.0		3550/8270		08/25	08/28	LN
Surrogate Recoveries:							
Nitrobenzene-d5	64	%	3550/8270	15-121	08/25	08/28	LN
2-Fluorobiphenyl	67	%	3550/8270	42-111	08/25	08/28	LN
Terphenyl-d14	71	%	3550/8270	37-143	08/25	08/28	LN
Percent Solids							
Percent Solid	89	%	SM2540B	0.10	08/24	08/24	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 3
 Date: 08/30/2004
 Log #: L96942-6

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-52 (2.5-7.5')
 Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	0.83	08/19	08/26	BL
Acetone	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL
Benzene	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	420	08/19	08/26	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	1.7	08/19	08/26	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	8.3	08/19	08/26	BL
Styrene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Toluene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	8.3	08/19	08/26	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	3.3	08/19	08/26	BL
Total Xylenes	BDL	ug/kg (dw)	5035/8260	4.2	08/19	08/26	BL
MTBE	BDL	ug/kg (dw)	5035/8260	42	08/19	08/26	BL
Dilution Factor	0.74		5035/8260		08/19	08/26	BL
Surrogate Recoveries:							
Dibromofluoromethane	103	%	5035/8260	52-155	08/19	08/26	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 3 of 3
 Date: 08/30/2004
 Log #: L96942-6

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-52 (2.5-7.5')
 Date Sampled: 08/19/2004
 Time Sampled: 00:00
 Date Received: 08/23/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatle Organic Compounds (continued)							
Toluene-DB	82	%	5035/8260	46-154	08/19	08/26	BL
4-Bromofluorobenzene	69	%	5035/8260	36-138	08/19	08/26	BL
Metals							
Arsenic	6000	ug/kg (dw)	3050/6010	560	08/26	08/27	SB
Barium	8800	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Cadmium	BDL	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Chromium	6700	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Lead	3400	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Selenium	BDL	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Silver	BDL	ug/kg (dw)	3050/6010	1100	08/26	08/27	SB
Mercury	BDL	ug/kg (dw)	7471	110	08/25	08/25	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail &R or &RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Most Common Flags (Qualifiers used by USB)**Flag Meaning**

- X1:** CCV sample values are above $\pm 15\%$ but within the $\pm 25\%$ range per CLP Statement of Work.
- MI:** Matrix Interference. (this code must be accompanied with an explanation)
- IL:** In house Limits. Recovery outside method control limits but within laboratory's historically derived control limits.
- DL:** Sample dilution caused poor or no surrogate recovery.
- CP2-4:** P=Panel Of x. Used when less than a five people panel determined the odor of a sample. There should never be less than two people in the panel.
(Example of use: if a panel of 2 people determined the odor of a sample the results must be qualified with CP2, if 3 people qualify with CP3, if 4 people qualify with CP4)
- C1:** Colony counts are found to be outside the acceptable range: (Heterotrophic Plate Counts: 30-300).
- C2:** Heavy growth, thereby interfering with detection of coliform colonies
(applies to both TNTC and confluent)
- C3:** Matrix interference due to excessive chlorine
- C4:** BOD dilution water blank exceeds 0.2 mg/L detection limit.
- C5:** BOD seeded dilution water blank outside 0.6-1.0 mg/L depletion limits.
- C6:** BOD sample result estimated due to the oxygen depletion being outside acceptable range.
- C7:** MS and/or MSD recoveries outside control limits, however LCS and/or LCSD within limits. Data reported
- C8:** MS and/or MSD recoveries outside control limits due to the high level of target analyte in the spiked sample. LCS and/or LCSD within limits. Data reported
- C9:** The reported analyte is not NELAC certified.
- C13:** MS / MSD reported from a post-digestion / distillation spike.

Most Common Flags (Qualifiers used by USB)

Flag Meaning

- C18:** As per client request, sample for Dissolved Metal analysis was filtered and preserved by the laboratory upon receipt.
- C21:** See attached Case Narrative or Non-Conformance / Corrective Action Report.
- C22:** The addition of Spike solution was inadvertently omitted.
- C23:** Detection Limit has been elevated due to high negative values.
- C24:** Detection Limit has been adjusted to sample volume.
- C50:** The addition of Surrogate (s) was inadvertently omitted.
- C58:** Continuing and/or Closing Calibration Check Standard recovery was below the limit allowed by method. Sample results were evaluated and reported based on MDL supporting analysis of lower concentrations.
- C59:** Result was based on a one-point calibration
- C61:** The LCS (D) % Recovery has recovered above acceptable limits. The reported target analyte is Below Detection Limit (BDL) establishing that there is no high biased result reported.
- C62:** Although target analyte was detected above the reporting limit in the blank, the target analyte was not detected above the reporting limit in the sample(s); therefore, the quality of the sample (s) result has not been compromised.
- C63:** Surrogate has recovered outside acceptable limits. Sample has been analyzed twice to confirm Matrix Interference.

Log # 96942

T#S 14 Quote: _____

Page 2 of 2

Company Name Pioneer Eng & Env.

Address 700 N. Sacramento Blvd. Suite 101

City Chicago State IL Zip 60612

Attn: Lawrence Krak Fax# 3125878210

Project Name Elgin MHC Proj# 04-1211-101

Sampler Name/Signature L. Krak Phone# 3125871021

Matrix Code

ID	Description	Date	Matrix	Code
1	B-62 (5'-8')	8-18-04	So	3-402 (1004) 3-512 (102)
2	B-39 (2.5'-7.5')	8-17-04	So	
3	B-42 (5'-10')			
4	B-44 (2.5'-7.5')			
5	B-49 (5'-10')			
6	B-52 (2.5'-7.5')			
7	B-63 (5'-10')	8-20-04		
8	B-63 (20'-25')			
9	B-64 (2.5'-7.5')			
0	B-65 (2.5'-7.5')			

Date required	Y	N	None	1	2	3	Other

Signature	Date	Time
<u>Thomas Hill</u>	8/23/04	11:50
<u>USB Contractor (MTR)</u>	8/23/04	5:00pm
<u>PCBs</u>	8/23/04	5:00pm
<u>VOCs & Metals</u>	8/23/04	14:35

Matrix	PCBs	VOCs	PCRA & Metals	SVOCs	PCBs	Res Trikes	Field Filtered (K/M)	Integrity OK (K/M)	REMARKS
	X	X	X	X	X	X			Hold
	X	X	X	X	X	X			Hold
	X	X	X	X	X	X			Hold
	X	X	X	X	X	X			Hold

LAB USE

NO N/A

Matrix Codes

- SD Solid Waste
- GW Ground Water
- EFF Effluent
- AW Analyte Free H₂O
- WW Waste Water
- DW Drinking Water
- SU Surface Water
- ML Misc. Liquid
- Oil
- Sludge
- Soil Sediment
- AQ Aqueous
- NA Nonaqueous
- PE Petroleum
- O Other (Please Specify)

Pres/Codes

- A. None
- B. HNO₃
- C. H₂SO₄
- D. NaOH
- E. HCL
- F. MeOH
- G. Na₂SO₄
- H. NaHSO₄
- I. H₂O₂
- J. MCAA
- K. Zn Acetate
- O. Other

REMARKS

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax
 C.O.C. # 80150

CHAIN OF CUSTODY RECORD

USBIOSYSTEMS Log # 96942 T#S Quote: Page 2 of 2

Company Name Pioneer Eng & Env. PO#
 Address 700 N. Sacca Metro Blvd. Suite 101
 City Chicago State IL Zip 60612
 Attn: Lawrence Krak Fax# 312 5878210
 Project Name Elgin MHC Proj# 04-1211-101
 Sampler Name/Signature L. Krak Phone# 312 5871021

Matrix Code	Matrix Code	Matrix Code
A. None	G. Ne-SO ₃	
B. HNO ₃	H. NaHSO ₄	
C. H ₂ SO ₄	I. KBr	
D. NaOH	J. MCAA	
E. HCl	K. Zn Acetate	
F. MeOH	L. Other	

Sample ID	Depth	Volume	Code	Matrix	Analysis	Hold Filtered (Y/N)	Intensity (Y/N)	Remarks
1	B-66 (5'-10')	8-2004	SO	3-7-30mL VOA 3-3/4oz.	SVCS Pesticides VOCs PCPA & Metals			Hold
2	B-67 (7.5'-15')			3-7-30mL VOA 3-3/4oz.				Hold
3	B-67 (20'-25')			3-7-30mL VOA 3-3/4oz.				Hold
4	B-68 (2.5'-7.5')							Hold
5								
6								
7								
8								
9								
0								

Gate required Y N None 1 2 3 Other

Signature: Lawrence Krak Date: 8/23/04 Time: 11:50
 Signature: 2158 C. Howard (MHC) Date: 8/23/04 Time: 5:00pm
 Signature: Date: 8/24/04 Time: 14:35

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax
 C.O.C. # 80151

ORIGINAL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 3
 Date: 09/14/2004
 Log #: L97229-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-46 (2-4')
 Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	75	08/30	09/01	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	75	08/30	09/01	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	410	08/30	09/01	LN
Dilution Factor	1.0		3550/8270		08/30	09/01	LN
Surrogate Recoveries:							
Nitrobenzene-d5	82	%	3550/8270	15-121	08/30	09/01	LN
2-Fluorobiphenyl	66	%	3550/8270	42-111	08/30	09/01	LN
Terphenyl-d14	69	%	3550/8270	37-143	08/30	09/01	LN
Percent Solids							
Percent Solid	80	%	SM2540B	0.10	08/28	08/28	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	54	08/26	09/01	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	54	08/26	09/01	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	54	08/26	09/01	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 3
 Date: 09/14/2004
 Log #: L97229-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-46 (2-4')

Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatiles Organic Compounds (continued)							
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	2.2	08/26	09/01	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	2.2	08/26	09/01	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.2	08/26	09/01	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.2	08/26	09/01	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	1.1	08/26	09/01	BL
Acetone	BDL	ug/kg (dw)	5035/8260	100	08/26	09/01	BL
Benzene	BDL	ug/kg (dw)	5035/8260	2.2	08/26	09/01	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	2.2	08/26	09/01	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	540	08/26	09/01	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	54	08/26	09/01	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	2.2	08/26	09/01	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	11	08/26	09/01	BL
Styrene	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
Toluene	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	11	08/26	09/01	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	4.3	08/26	09/01	BL
Total Xylenes	BDL	ug/kg (dw)	5035/8260	5.4	08/26	09/01	BL
MTBE	BDL	ug/kg (dw)	5035/8260	54	08/26	09/01	BL
Dilution Factor	0.86		5035/8260		08/26	09/01	BL
Surrogate Recoveries:							
Dibromofluoromethane	109	%	5035/8260	52-155	08/26	09/01	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 3 of 3
 Date: 09/14/2004
 Log #: L97229-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101


Analytical Report: B-46 (2-4')

Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Toluene-DB	84	%	5035/8260	46-154	08/26	09/01	BL
4-Bromofluorobenzene	47	%	5035/8260	36-138	08/26	09/01	BL
Metals							
Arsenic	9600	ug/kg (dw)	3050/6010	630	09/01	09/01	VR
Barium	130000	ug/kg (dw)	3050/6010	1300	09/01	09/01	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1300	09/01	09/01	VR
Chromium	19000	ug/kg (dw)	3050/6010	1300	09/01	09/01	VR
Lead	10000	ug/kg (dw)	3050/6010	1300	09/01	09/01	VR
Selenium	BDL	ug/kg (dw)	3050/6010	1300	09/01	09/01	VR
Silver	BDL	ug/kg (dw)	3050/6010	1300	09/01	09/01	VR
Mercury	BDL	ug/kg (dw)	7471	130	08/31	08/31	LL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DI-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOR/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 6
 Date: 09/14/2004
 Log #: L97229-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-54 (2-4')
 Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds							
2,4,5-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
2,4,6-Trichlorophenol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
2,4-Dichlorophenol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
2,4-Dimethylphenol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
2,4-Dinitrophenol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
2-Chlorophenol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
4,6-Dinitro-2-Methylphenol	BDL	ug/kg (dw)	3550/8270	2000	08/30	09/01	LN
2-Methylphenol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
2-Nitrophenol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
4-Chloro-3-Methylphenol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
3&4-Methylphenol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
4-Nitrophenol	BDL	ug/kg (dw)	3550/8270	2000	08/30	09/01	LN
Benzoic Acid	BDL	ug/kg (dw)	3550/8270	2000	08/30	09/01	LN
Pentachlorophenol	BDL	ug/kg (dw)	3550/8270	2000	08/30	09/01	LN
Phenol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
1,2,4-Trichlorobenzene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
1,2-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
1,3-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
1,4-Dichlorobenzene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
2,4-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
2,6-Dinitrotoluene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
2-Chloronaphthalene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
2-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
2-Nitroaniline	BDL	ug/kg (dw)	3550/8270	2000	08/30	09/01	LN
3,3'-Dichlorobenzidine	BDL	ug/kg (dw)	3550/8270	810	08/30	09/01	LN
3-Nitroaniline	BDL	ug/kg (dw)	3550/8270	2000	08/30	09/01	LN
4-Bromophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
4-Chloroaniline	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
4-Chlorophenyl-phenylether	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 6
 Date: 09/14/2004
 Log #: L97229-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-54 (2-4')

Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
4-Nitroaniline	BDL	ug/kg (dw)	3550/8270	2000	08/30	09/01	LN
Bis(2-Chloroethoxy)methane	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Bis(2-Chloroethyl) Ether	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Bis(2-Ethylhexyl) Phthalate	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Butylbenzylphthalate	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Carbazole	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Di-N-Butylphthalate	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Di-N-Octylphthalate	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Dibenzofuran	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Diethylphthalate	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Dimethylphthalate	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Hexachlorobenzene	BDL	ug/kg (dw)	3550/8270	120	08/30	09/01	LN
Hexachlorobutadiene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Hexachlorocyclopentadiene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Hexachloroethane	BDL	ug/kg (dw)	3550/8270	120	08/30	09/01	LN
Isophorone	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
N-Nitrosodi-n-propylamine	BDL	ug/kg (dw)	3550/8270	72	08/30	09/01	LN
N-Nitrosodiphenylamine	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Nitrobenzene	BDL	ug/kg (dw)	3550/8270	120	08/30	09/01	LN
N-Nitrosodimethylamine	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Aniline	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Benzyl Alcohol	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Bis(2-Chloroisopropyl) Ether	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Naphthalene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
1-Methylnaphthalene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
1,2-Diphenylhydrazine	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Benzidine	BDL	ug/kg (dw)	3550/8270	3300	08/30	09/01	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Benzo[a]anthracene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Benzo[b]fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Benzo[k]fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Benzo[a]pyrene	BDL	ug/kg (dw)	3550/8270	72	08/30	09/01	LN
Indeno[1,2,3-cd]pyrene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Dibenzo[a,h]Anthracene	BDL	ug/kg (dw)	3550/8270	72	08/30	09/01	LN

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 3 of 6
 Date: 09/14/2004
 Log #: L97229-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-54 (2-4')
 Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Semivolatile Organic Compounds (continued)							
Benzo[g, h, i]perylene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Dilution Factor	1.0		3550/8270		08/30	09/01	LN
Surrogate Recoveries:							
2-Fluorophenol	51	%	3550/8270	29-109	08/30	09/01	LN
Phenol-d5	58	%	3550/8270	30-109	08/30	09/01	LN
Nitrobenzene-d5	59	%	3550/8270	15-121	08/30	09/01	LN
2-Fluorobiphenyl	52	%	3550/8270	42-111	08/30	09/01	LN
2,4,6-Tribromophenol	88	%	3550/8270	47-124	08/30	09/01	LN
Terphenyl-d14	63	%	3550/8270	37-143	08/30	09/01	LN
Percent Solids							
Percent Solid	83	%	SM2540B	0.10	08/28	08/28	KB
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/kg (dw)	5035/8260	52	08/26	08/31	BL
2-Hexanone	BDL	ug/kg (dw)	5035/8260	52	08/26	08/31	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/kg (dw)	5035/8260	52	08/26	08/31	BL
1,1-Dichloroethane	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
1,1-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
1,2-Dibromoethane	BDL	ug/kg (dw)	5035/8260	2.1	08/26	08/31	BL
1,2-Dichloroethane	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
1,2-Dichloropropane	BDL	ug/kg (dw)	5035/8260	2.1	08/26	08/31	BL
cis-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.1	08/26	08/31	BL
trans-1,3-Dichloropropene	BDL	ug/kg (dw)	5035/8260	2.1	08/26	08/31	BL
1,1,1-Trichloroethane	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
1,1,2-Trichloroethane	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
1,1,2,2-Tetrachloroethane	BDL	ug/kg (dw)	5035/8260	1.0	08/26	08/31	BL
Acetone	BDL	ug/kg (dw)	5035/8260	68	08/26	08/31	BL
Benzene	BDL	ug/kg (dw)	5035/8260	2.1	08/26	08/31	BL
Bromodichloromethane	BDL	ug/kg (dw)	5035/8260	2.1	08/26	08/31	BL
Bromoform	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
Bromomethane	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
n-Butyl Alcohol	BDL	ug/kg (dw)	5035/8260	520	08/26	08/31	BL
Carbon Disulfide	BDL	ug/kg (dw)	5035/8260	52	08/26	08/31	BL
Carbon Tetrachloride	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
Chlorobenzene	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL

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Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-54 (2-4')

Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dibromochloromethane	BDL	ug/kg (dw)	5035/8260	2.1	08/26	08/31	BL
Chloroethane	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
Chloroform	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
Chloromethane	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
cis-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
Ethylbenzene	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
Methylene Chloride	BDL	ug/kg (dw)	5035/8260	10	08/26	08/31	BL
Styrene	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
Tetrachloroethene	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
Toluene	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
trans-1,2-Dichloroethene	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
Trichloroethene	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
Vinyl Acetate	BDL	ug/kg (dw)	5035/8260	10	08/26	08/31	BL
Vinyl Chloride	BDL	ug/kg (dw)	5035/8260	4.2	08/26	08/31	BL
Total Xylenes	BDL	ug/kg (dw)	5035/8260	5.2	08/26	08/31	BL
MTBE	BDL	ug/kg (dw)	5035/8260	52	08/26	08/31	BL
Dilution Factor	0.87		5035/8260		08/26	08/31	BL
Surrogate Recoveries:							
Dibromofluoromethane	98	%	5035/8260	52-155	08/26	08/31	BL
Toluene-D8	94	%	5035/8260	46-154	08/26	08/31	BL
4-Bromofluorobenzene	60	%	5035/8260	36-138	08/26	08/31	BL
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	20	08/31	09/02	EM
PCB 1221	BDL	ug/kg (dw)	3550/8082	20	08/31	09/02	EM
PCB 1232	BDL	ug/kg (dw)	3550/8082	20	08/31	09/02	EM
PCB 1242	BDL	ug/kg (dw)	3550/8082	20	08/31	09/02	EM
PCB 1248	BDL	ug/kg (dw)	3550/8082	20	08/31	09/02	EM
PCB 1254	BDL	ug/kg (dw)	3550/8082	20	08/31	09/02	EM
PCB 1260	BDL	ug/kg (dw)	3550/8082	20	08/31	09/02	EM
Total PCB's	BDL	ug/kg (dw)	3550/8082	20	08/31	09/02	EM
Dilution Factor	1.0		3550/8082		08/31	09/02	EM
Surrogate Recoveries:							
TCMX	68	%	3550/8082	20-145	08/31	09/02	EM
Decachlorobiphenyl	66	%	3550/8082	11-159	08/31	09/02	EM
General Chemistry							
Cyanide	BDL	mg/kg (dw)	9012	0.60	08/31	08/31	IG

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Sample Description:

Analytical Report: B-54 (2-4')
 Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Elgin MHC
 Proj.#: 04-1211-101

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Metals							
Aluminum	16000000	ug/kg (dw)	3050/6010	6000	09/02	09/13	VR
Antimony	BDL	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Beryllium	BDL	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Calcium	2000000	ug/kg (dw)	3050/6010	12000	09/02	09/10	LL
Cobalt	8200	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Copper	23000	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Iron	23000000	ug/kg (dw)	3050/6010	6000	09/02	09/10	LL
Magnesium	3900000	ug/kg (dw)	3050/6010	6000	09/02	09/10	LL
Manganese	800000	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Nickel	34000	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Potassium	1400000	ug/kg (dw)	3050/6010	60000	09/01	09/01	WM
Sodium	70000	ug/kg (dw)	3050/6010	60000	09/01	09/01	WM
Thallium	BDL	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Vanadium	46000	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Zinc	70000	ug/kg (dw)	3050/6010	2400	09/01	09/01	VR
Organochlorine Pesticides							
alpha-BHC	BDL	ug/kg (dw)	3550/8081	2.0	08/31	09/02	SB
gamma-BHC	BDL	ug/kg (dw)	3550/8081	2.0	08/31	09/02	SB
beta-BHC	BDL	ug/kg (dw)	3550/8081	2.0	08/31	09/02	SB
Heptachlor	BDL	ug/kg (dw)	3550/8081	2.0	08/31	09/02	SB
delta-BHC	BDL	ug/kg (dw)	3550/8081	2.0	08/31	09/02	SB
Aldrin	BDL	ug/kg (dw)	3550/8081	2.0	08/31	09/02	SB
Heptachlor Epoxide	BDL	ug/kg (dw)	3550/8081	2.0	08/31	09/02	SB
gamma-Chlordane	BDL	ug/kg (dw)	3550/8081	2.0	08/31	09/02	SB
alpha-Chlordane	BDL	ug/kg (dw)	3550/8081	2.0	08/31	09/02	SB
Endosulfan I	BDL	ug/kg (dw)	3550/8081	2.0	08/31	09/02	SB
4,4'-DDE	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
Dieldrin	BDL	ug/kg (dw)	3550/8081	2.0	08/31	09/02	SB
Endrin	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
4,4'-DDD	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
Endosulfan II	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
4,4'-DDT	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/11	SB
Endrin Aldehyde	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
Endosulfan Sulfate	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
Methoxychlor	BDL	ug/kg (dw)	3550/8081	20	08/31	09/11	SB
Endrin Ketone	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
Toxaphene	BDL	ug/kg (dw)	3550/8081	120	08/31	09/02	SB
Dilution Factor	1.0		3550/8081		08/31	09/02	SB
Surrogate Recoveries:							

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Date: 09/14/2004
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Sample Description:

Elgin MHC
Proj.#: 04-1211-101

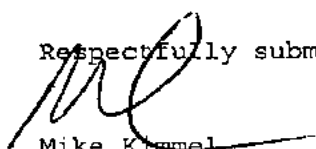
Analytical Report: B-54 (2-4')
Date Sampled: 08/26/2004
Time Sampled: 00:00
Date Received: 08/27/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Organochlorine Pesticides (continued)							
TCMX	64	%	3550/8081	22-137	08/31	09/02	SB
DCB	68	%	3550/8081	27-120	08/31	09/02	SB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
NC CERT# 444 ADEM ID# 40850
IL CERT# 96031001 TN CERT# 02985
IL/NELAC CERT# 200020 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,


Mike Kimmel
Senior Project Manager

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 Address: Pioneer Environmental
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 Date: 09/14/2004
 Log #: L97229-4

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-101B (3-6')

Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Benzo(a)pyrene	200	ug/kg (dw)	3550/8270	73	08/30	09/01	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	73	08/30	09/01	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	400	08/30	09/01	LN
Dilution Factor	1.0		3550/8270		08/30	09/01	LN
Surrogate Recoveries:							
Nitrobenzene-d5	105	%	3550/8270	15-121	08/30	09/01	LN
2-Fluorobiphenyl	70	%	3550/8270	42-111	08/30	09/01	LN
Terphenyl-d14	70	%	3550/8270	37-143	08/30	09/01	LN
Percent Solids							
Percent Solid	82	%	SM2540B	0.10	08/28	08/28	KB

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Sample Description:

Elgin MHC
Proj.#: 04-1211-101

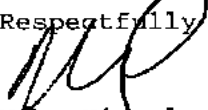
Analytical Report: B-101B (3-6')
Date Sampled: 08/26/2004
Time Sampled: 00:00
Date Received: 08/27/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
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Percent Solids (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
PLUEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
PLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
IA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
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 Date: 09/14/2004
 Log #: L97229-5

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-107B (12-15')
 Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	84	%	SM2540B	0.10	08/28	08/28	KB
General Chemistry							
Cyanide	BDL	mg/kg (dw)	9012	0.60	08/31	08/31	IG
Metals							
Aluminum	3100000	ug/kg (dw)	3050/6010	6000	09/02	09/13	VR
Antimony	BDL	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Beryllium	BDL	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Calcium	11000000	ug/kg (dw)	3050/6010	12000	09/02	09/10	LL
Cobalt	8200	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Copper	20000	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Iron	21000000	ug/kg (dw)	3050/6010	6000	09/02	09/10	LL
Magnesium	8000000	ug/kg (dw)	3050/6010	6000	09/02	09/10	LL
Manganese	680000	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Nickel	19000	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Potassium	890000	ug/kg (dw)	3050/6010	60000	09/01	09/01	WM
Sodium	110000	ug/kg (dw)	3050/6010	60000	09/01	09/01	WM
Thallium	BDL	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Vanadium	31000	ug/kg (dw)	3050/6010	1200	09/01	09/01	VR
Zinc	55000	ug/kg (dw)	3050/6010	2400	09/01	09/01	VR
Organochlorine Pesticides							
alpha-BHC	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
gamma-BHC	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
beta-BHC	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
Heptachlor	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
delta-BHC	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
Aldrin	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB

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 Date: 09/14/2004
 Log #: L97229-5

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101


Analytical Report: B-107B (12-15')

Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Organochlorine Pesticides (continued)							
Heptachlor Epoxide	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
gamma-Chlordane	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
alpha-Chlordane	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
Endosulfan I	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
4,4'-DDE	BDL	ug/kg (dw)	3550/8081	7.9	08/31	09/02	SB
Dieldrin	BDL	ug/kg (dw)	3550/8081	4.0	08/31	09/02	SB
Endrin	BDL	ug/kg (dw)	3550/8081	7.9	08/31	09/02	SB
4,4'-DDD	BDL	ug/kg (dw)	3550/8081	7.9	08/31	09/02	SB
Endosulfan II	BDL	ug/kg (dw)	3550/8081	7.9	08/31	09/02	SB
4,4'-DDT	BDL	ug/kg (dw)	3550/8081	7.9	08/31	09/11	SB
Endrin Aldehyde	BDL	ug/kg (dw)	3550/8081	7.9	08/31	09/02	SB
Endosulfan Sulfate	BDL	ug/kg (dw)	3550/8081	7.9	08/31	09/02	SB
Methoxychlor	BDL	ug/kg (dw)	3550/8081	40	08/31	09/11	SB
Endrin Ketone	BDL	ug/kg (dw)	3550/8081	7.9	08/31	09/02	SB
Toxaphene	BDL	ug/kg (dw)	3550/8081	240	08/31	09/02	SB
Dilution Factor	2.0 MI		3550/8081		08/31	09/02	SB
Surrogate Recoveries:							
TCMX	DL	%	3550/8081	22-137	08/31	09/02	SB
DCB	DL	%	3550/8081	27-120	08/31	09/02	SB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 4
 Date: 09/14/2004
 Log #: L97229-6

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-129C (3-6')
 Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
TCLP Extraction Date							
TCLP Extraction	08/30	date	1311 EXTR				JC
TCLP ZHE Extraction	08/31	date	1311 ZHE				GG
F-Series Semi-Volatiles							
o-Cresol	BDL	mg/kg (dw)	3550/8270	0.39	08/30	09/01	LN
m,p-Cresols	BDL	mg/kg (dw)	3550/8270	0.39	08/30	09/01	LN
Nitrobenzene	BDL	mg/kg (dw)	3550/8270	0.12	08/30	09/01	LN
Pyridine	BDL	mg/kg (dw)	3550/8270	2.0	08/30	09/01	LN
Cyclohexanone	BDL	mg/kg (dw)	3550/8270	0.39	08/30	09/01	LN
Dilution Factor	1.0		3550/8270		08/30	09/01	LN
Surrogate Recoveries:							
2-Fluorophenol	52	%	3550/8270	38-120	08/30	09/01	LN
Phenol-d5	57	%	3550/8270	47-118	08/30	09/01	LN
Nitrobenzene-d5	66	%	3550/8270	27-113	08/30	09/01	LN
2-Fluorobiphenyl	54	%	3550/8270	22-126	08/30	09/01	LN
2,4,6-Tribromophenol	94	%	3550/8270	32-132	08/30	09/01	LN
Terphenyl-d14	60	%	3550/8270	27-135	08/30	09/01	LN
TCLP Volatile Organic Compounds							
Benzene	BDL	mg/l	5030/8260	0.10	09/13	09/13	GG
Chlorobenzene	BDL	mg/l	5030/8260	0.10	09/13	09/13	GG
Chloroform	BDL	mg/l	5030/8260	0.10	09/13	09/13	GG
Carbon Tetrachloride	BDL	mg/l	5030/8260	0.10	09/13	09/13	GG
1,2-Dichloroethane	BDL	mg/l	5030/8260	0.10	09/13	09/13	GG
1,1-Dichloroethene	BDL	mg/l	5030/8260	0.10	09/13	09/13	GG
Methyl Ethyl Ketone	BDL	mg/l	5030/8260	1.0	09/13	09/13	GG
Tetrachloroethene	BDL	mg/l	5030/8260	0.10	09/13	09/13	GG
Trichloroethene	BDL	mg/l	5030/8260	0.10	09/13	09/13	GG
Vinyl Chloride	BDL	mg/l	5030/8260	0.10	09/13	09/13	GG

Client #: CHI-00-030604
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 700 N. Sacramento
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 Lawrence Kruk

Page: Page 2 of 4
 Date: 09/14/2004
 Log #: L97229-6

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-129C (3-6')

Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
TCLP Volatile Organic Compounds (continued)							
1,4-Dichlorobenzene	BDL	mg/l	5030/8260	0.10	09/13	09/13	GG
Dilution Factor	1.0		5030/8260		09/13	09/13	GG
Surrogate Recoveries:							
Dibromofluoromethane	112	%	5030/8260	68-145	09/13	09/13	GG
Toluene-D8	70	%	5030/8260	62-133	09/13	09/13	GG
4-Bromofluorobenzene	112	%	5030/8260	56-135	09/13	09/13	GG
F-Series DAI							
Methanol	BDL	mg/kg (dw)	MOD 8015	12	08/31	08/31	RR
2-Nitropropane	BDL	mg/kg (dw)	MOD 8015	12	08/31	08/31	RR
n-Butyl Alcohol	BDL	mg/kg (dw)	MOD 8015	12	08/31	08/31	RR
2-Ethoxyethanol	BDL	mg/kg (dw)	MOD 8015	12	08/31	08/31	RR
Dilution Factor	1.0		MOD 8015		08/31	08/31	RR
Percent Solids							
Percent Solid	85	%	SM2540B	0.10	08/28	08/28	KB
F-Series Volatiles							
Acetone	BDL	mg/kg (dw)	5030/8260	0.059	09/01	09/01	BL
Benzene	BDL	mg/kg (dw)	5030/8260	0.0024	09/01	09/01	BL
Carbon Disulfide	BDL	mg/kg (dw)	5030/8260	0.059	09/01	09/01	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5030/8260	0.0059	09/01	09/01	BL
Chlorobenzene	BDL	mg/kg (dw)	5030/8260	0.0059	09/01	09/01	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5030/8260	0.0059	09/01	09/01	BL
Ethyl Acetate	BDL	mg/kg (dw)	5030/8260	0.059	09/01	09/01	BL
Ethylbenzene	BDL	mg/kg (dw)	5030/8260	0.0059	09/01	09/01	BL
Ethyl Ether	BDL	mg/kg (dw)	5030/8260	0.059	09/01	09/01	BL
Isobutyl Alcohol	BDL	mg/kg (dw)	5030/8260	0.059	09/01	09/01	BL
Methylene Chloride	BDL	mg/kg (dw)	5030/8260	0.012	09/01	09/01	BL
MEK	BDL	mg/kg (dw)	5030/8260	0.059	09/01	09/01	BL
MIBK (4-Methyl-2-Pentanone)	BDL	mg/kg (dw)	5030/8260	0.059	09/01	09/01	BL
Tetrachloroethylene	BDL	mg/kg (dw)	5030/8260	0.0059	09/01	09/01	BL
Toluene	BDL	mg/kg (dw)	5030/8260	0.0059	09/01	09/01	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5030/8260	0.0059	09/01	09/01	BL
1,1,2-Trichloro-1,2,2-Trifluor	EDL	mg/kg (dw)	5030/8260	0.0059	09/01	09/01	BL
Trichloroethylene	BDL	mg/kg (dw)	5030/8260	0.0059	09/01	09/01	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5030/8260	0.0059	09/01	09/01	BL
Xylenes	BDL	mg/kg (dw)	5030/8260	0.0059	09/01	09/01	BL
Dilution Factor	1.0		5030/8260		09/01	09/01	BL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 3 of 4
 Date: 09/14/2004
 Log #: L97229-6

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-129C (3-6')

Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Series Volatiles (continued)							
Surrogate Recoveries:							
Dibromofluoromethane	60	%	5030/8260	52-155	09/01	09/01	BL
Toluene-d8	59	%	5030/8260	46-154	09/01	09/01	BL
4-Bromofluorobenzene	73	%	5030/8260	36-138	09/01	09/01	BL
TCLP Semivolatile Organic Compounds							
o-Cresol	BDL	mg/l	3510/8270	0.050	08/31	09/01	LN
m,p-Cresols	BDL	mg/l	3510/8270	0.050	08/31	09/01	LN
2,4-Dinitrotoluene	BDL	mg/l	3510/8270	0.050	08/31	09/01	LN
Hexachlorobenzene	BDL	mg/l	3510/8270	0.050	08/31	09/01	LN
Hexachlorobutadiene	BDL	mg/l	3510/8270	0.050	08/31	09/01	LN
Hexachloroethane	BDL	mg/l	3510/8270	0.050	08/31	09/01	LN
Nitrobenzene	BDL	mg/l	3510/8270	0.050	08/31	09/01	LN
Pentachlorophenol	BDL	mg/l	3510/8270	0.25	08/31	09/01	LN
Pyridine	BDL	mg/l	3510/8270	0.40	08/31	09/01	LN
2,4,5-Trichlorophenol	BDL	mg/l	3510/8270	0.050	08/31	09/01	LN
2,4,6-Trichlorophenol	BDL	mg/l	3510/8270	0.050	08/31	09/01	LN
Dilution Factor	1.0		3510/8270		08/31	09/01	LN
Surrogate Recoveries:							
2-Fluorophenol	2.2 MI	%	3510/8270	10-115	08/31	09/01	LN
Phenol-d5	1.4 MI	%	3510/8270	10-137	08/31	09/01	LN
Nitrobenzene-d5	86	%	3510/8270	28-128	08/31	09/01	LN
2-Fluorobiphenyl	72	%	3510/8270	45-126	08/31	09/01	LN
2,4,6-Tribromophenol	3.0 MI	%	3510/8270	51-134	08/31	09/01	LN
Terphenyl-d14	92	%	3510/8270	50-146	08/31	09/01	LN
TCLP Metals							
Arsenic	BDL	ug/l	3010/6010	50	08/31	08/31	JS
Barium	1400	ug/l	3010/6010	300	08/31	08/31	JS
Cadmium	BDL	ug/l	3010/6010	10	08/31	08/31	JS
Chromium	BDL	ug/l	3010/6010	10	08/31	08/31	JS
Lead	BDL	ug/l	3010/6010	50	08/31	08/31	JS
Selenium	BDL	ug/l	3010/6010	100	08/31	08/31	JS
Silver	BDL	ug/l	3010/6010	20	08/31	08/31	JS
Mercury	BDL	ug/l	7470	0.20	08/31	08/31	VK
General Chemistry							
Cyanide, Reactive	BDL	mg/kg	SW846 CH7	1.2	08/30	08/31	IG
Flashpoint	>180	Deg. F	1010	73	09/01	09/01	TM

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 4 of 4
 Date: 09/14/2004
 Log #: L97229-6

Sample Description:

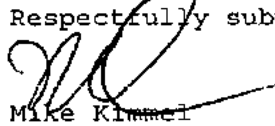
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-129C (3-6')
 Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
General Chemistry (continued)							
Paint Filter Test	NFL	ml (dw)	9095	1.2	09/10	09/10	MG
Phenols	BDL	mg/kg (dw)	9066	0.59	08/30	08/31	IG
Reactivity, Sulfide as H2S	BDL	mg/kg	SW846 CH7	10	08/30	08/31	IG

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 FLLEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

ILDOH/NELAC# E86240	KS/NELAC# E-10360
IC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

CHAIN OF CUSTODY RECORD

Log # 97229

T#5 06 Quote: _____

Page 1 of 1

Company Name Pioneer Cog & Env. PO# _____
 Address 700 N. Sacramento Blvd.
 City Chicago State IL Zip 60612
 Attn: Lawrence Krak Fax# 312 587 8210
 Project Name Elgin MHC Proj# 04-1211-01
 Sampler Name/Signature J. Karl Krak Phone# 312 587 1021

Sample ID	Location	Volume	Matrix	Code
-1	B-24 (3'-6")	82604	So	5-4oz Vol 1-5yr-old
-2	B-46 (2'-4")			5-4oz Vol 1-5yr-old
-3	B-54 (2'-4")			5-4oz Vol 1-5yr-old
-4	B-101B (3'-6")			1 4oz.
-5	B-107B (12'-15")			2 4oz.
-6	B-129C (3'-6")			10 4oz.

Sample ID	Matrix	Code	Field Filtered (Y/N)	Integrity OK (Y/N)	Remarks
-1	So	50	054 (3) 465	054 (3) 465	Ab/d
-2			+		
-3			054 (3) 465	054 (3) 465	IL Target Compound List
-4			0465		
-5			0465		
-6			0465		SEE ATTACHED NoPH No PCBs

Y/N _____ Date required _____ Y _____ N None _____ 1 _____ 2 _____ 3 _____ Other _____

Signature: Lawrence Krak Date: 8-27-04 Time: 12:15
 Signature: 205B CHICAGO (MHC) Date: 9/27/04 Time: 5:00 PM
 Signature: [Signature] Date: 8/28/04 Time: 12:36

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax
 C.O.C. # 80154

ORIGINAL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 3
 Date: 09/14/2004
 Log #: L97357-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-4
 Date Sampled: 08/30/2004
 Time Sampled: 00:00
 Date Received: 08/31/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL QC64	ug/l	3510/8270	5.0	09/07	09/12	LN
Acenaphthene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Anthracene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Fluoranthene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Fluorene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Pyrene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Benzo(a)anthracene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Benzo(a)pyrene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Benzo(b)fluoranthene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Benzo(k)fluoranthene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Chrysene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Dibenzo(a,h)Anthracene	BDL QC64	ug/l	3510/8270	0.20	09/07	09/12	LN
Indeno(1,2,3-c,d)pyrene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Acenaphthylene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Benzo(g,h,i)perylene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Phenanthrene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Dilution Factor	1.0		3510/8270		09/07	09/12	LN
Surrogate Recoveries:							
Nitrobenzene-d5	58	%	3510/8270	28-128	09/07	09/12	LN
2-Fluorobiphenyl	52	%	3510/8270	45-126	09/07	09/12	LN
Terphenyl-d14	79	%	3510/8270	50-146	09/07	09/12	LN
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	09/11	09/11	GG
2-Hexanone	BDL	ug/l	5030/8260	10	09/11	09/11	GG
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	09/11	09/11	GG
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 3
 Date: 09/14/2004
 Log #: L97357-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-4

Date Sampled: 08/30/2004
 Time Sampled: 00:00
 Date Received: 08/31/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	09/11	09/11	GG
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	09/11	09/11	GG
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	09/11	09/11	GG
Acetone	BDL	ug/l	5030/8260	20	09/11	09/11	GG
Benzene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	09/11	09/11	GG
Bromoform	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Bromomethane	BDL	ug/l	5030/8260	2.0	09/11	09/11	GG
n-Butyl Alcohol	BDL	ug/l	5030/8260	500	09/11	09/11	GG
Carbon Disulfide	BDL	ug/l	5030/8260	10	09/11	09/11	GG
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Chlorobenzene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	09/11	09/11	GG
Chloroethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Chloroform	1.1	ug/l	5030/8260	1.0	09/11	09/11	GG
Chloromethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Ethylbenzene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Methylene Chloride	BDL	ug/l	5030/8260	5.0	09/11	09/11	GG
Styrene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Toluene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Trichloroethene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Vinyl Acetate	BDL	ug/l	5030/8260	10	09/11	09/11	GG
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Total Xylenes	BDL	ug/l	5030/8260	2.0	09/11	09/11	GG
MTBE	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Dilution Factor	1.0		5030/8260		09/11	09/11	GG
Surrogate Recoveries:							
Dibromofluoromethane	117	%	5030/8260	68-145	09/11	09/11	GG
Toluene-D8	90	%	5030/8260	62-133	09/11	09/11	GG
4-Bromofluorobenzene	122	%	5030/8260	56-135	09/11	09/11	GG

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 3 of 3
 Date: 09/14/2004
 Log #: L97357-1

Sample Description:

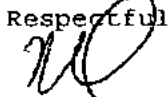
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-4
 Date Sampled: 08/30/2004
 Time Sampled: 00:00
 Date Received: 08/31/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Metals							
Arsenic	BDL	ug/l	3010/6010	10	09/02	09/11	VR
Barium	70	ug/l	3010/6010	10	09/02	09/11	VR
Cadmium	BDL	ug/l	3010/6010	5.0	09/02	09/11	VR
Chromium	BDL	ug/l	3010/6010	5.0	09/02	09/11	VR
Lead	5.2	ug/l	3010/6010	5.0	09/02	09/11	VR
Selenium	BDL	ug/l	3010/6010	10	09/02	09/11	VR
Silver	BDL	ug/l	3010/6010	10	09/02	09/11	VR
Mercury	BDL	ug/l	245.1	0.20	09/11	09/11	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 ELDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 ELDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 ELLEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLD/DH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL, NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 3
 Date: 09/14/2004
 Log #: L97357-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-5
 Date Sampled: 08/30/2004
 Time Sampled: 00:00
 Date Received: 08/31/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polyaromatic Hydrocarbons							
Naphthalene	BDL QC64	ug/l	3510/8270	5.0	09/07	09/12	LN
Acenaphthene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Anthracene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Fluoranthene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Fluorene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Pyrene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Benzo(a)anthracene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Benzo(a)pyrene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Benzo(b)fluoranthene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Benzo(k)fluoranthene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Chrysene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Dibenzo(a,h)Anthracene	BDL QC64	ug/l	3510/8270	0.20	09/07	09/12	LN
Indeno(1,2,3-c,d)pyrene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Acenaphthylene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Benzo(g,h,i)perylene	BDL QC64	ug/l	3510/8270	0.10	09/07	09/12	LN
Phenanthrene	BDL QC64	ug/l	3510/8270	1.0	09/07	09/12	LN
Dilution Factor	1.0		3510/8270		09/07	09/12	LN
Surrogate Recoveries:							
Nitrobenzene-d5	71	%	3510/8270	28-128	09/07	09/12	LN
2-Fluorobiphenyl	63	%	3510/8270	45-126	09/07	09/12	LN
Terphenyl-d14	88	%	3510/8270	50-146	09/07	09/12	LN
Volatile Organic Compounds							
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	09/11	09/11	GG
2-Hexanone	BDL	ug/l	5030/8260	10	09/11	09/11	GG
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	09/11	09/11	GG
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 3
 Date: 09/14/2004
 Log #: L97357-2

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-5
 Date Sampled: 08/30/2004
 Time Sampled: 00:00
 Date Received: 08/31/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	09/11	09/11	GG
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	09/11	09/11	GG
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	09/11	09/11	GG
Acetone	BDL	ug/l	5030/8260	20	09/11	09/11	GG
Benzene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	09/11	09/11	GG
Bromoform	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Bromomethane	BDL	ug/l	5030/8260	2.0	09/11	09/11	GG
n-Butyl Alcohol	BDL	ug/l	5030/8260	500	09/11	09/11	GG
Carbon Disulfide	BDL	ug/l	5030/8260	10	09/11	09/11	GG
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Chlorobenzene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	09/11	09/11	GG
Chloroethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Chloroform	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Chloromethane	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Ethylbenzene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Methylene Chloride	BDL	ug/l	5030/8260	5.0	09/11	09/11	GG
Styrene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Toluene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Trichloroethene	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Vinyl Acetate	BDL	ug/l	5030/8260	10	09/11	09/11	GG
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Total Xylenes	BDL	ug/l	5030/8260	2.0	09/11	09/11	GG
MTBE	BDL	ug/l	5030/8260	1.0	09/11	09/11	GG
Dilution Factor	1.0		5030/8260		09/11	09/11	GG
Surrogate Recoveries:							
Dibromofluoromethane	116	%	5030/8260	68-145	09/11	09/11	GG
Toluene-D8	90	%	5030/8260	62-133	09/11	09/11	GG
4-Bromofluorobenzene	124	%	5030/8260	56-135	09/11	09/11	GG

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 3 of 3
 Date: 09/14/2004
 Log #: L97357-2

Sample Description:

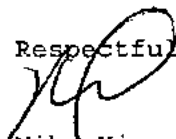
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-5
 Date Sampled: 08/30/2004
 Time Sampled: 00:00
 Date Received: 08/31/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Metals							
Arsenic	BDL	ug/l	3010/6010	10	09/02	09/11	VR
Barium	100	ug/l	3010/6010	10	09/02	09/11	VR
Cadmium	BDL	ug/l	3010/6010	5.0	09/02	09/11	VR
Chromium	BDL	ug/l	3010/6010	5.0	09/02	09/11	VR
Lead	10	ug/l	3010/6010	5.0	09/02	09/11	VR
Selenium	BDL	ug/l	3010/6010	10	09/02	09/11	VR
Silver	BDL	ug/l	3010/6010	10	09/02	09/11	VR
Mercury	BDL	ug/l	245.1	0.20	09/11	09/11	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
 LDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLA/OH/NELAC# E86240 KS/NELAC# E-10360
 NC CERT# 444 ADEM ID# 40850
 SC CERT# 96031001 TN CERT# 02985
 IL/NELAC CERT# 200020 GA CERT# 917
 VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Most Common Flags (Qualifiers used by USB)

Flag Meaning

- X1:** CCV sample values are above $\pm 15\%$ but within the $\pm 25\%$ range per CLP Statement of Work.
- MI:** Matrix Interference. (this code must be accompanied with an explanation)
- IL:** In house Limits. Recovery outside method control limits but within laboratory's historically derived control limits.
- DL:** Sample dilution caused poor or no surrogate recovery.
- CP2-4:** P=Panel Of x. Used when less than a five people panel determined the odor of a sample. There should never be less than two people in the panel.
 (Example of use: if a panel of 2 people determined the odor of a sample the results must be qualified with CP2, if 3 people qualify with CP3, if 4 people qualify with CP4)
- C1:** Colony counts are found to be outside the acceptable range: (Heterotrophic Plate Counts: 30-300).
- C2:** Heavy growth, thereby interfering with detection of coliform colonies (applies to both TNTC and confluent)
- C3:** Matrix interference due to excessive chlorine
- C4:** BOD dilution water blank exceeds 0.2 mg/L detection limit.
- C5:** BOD seeded dilution water blank outside 0.6-1.0 mg/L depletion limits.
- C6:** BOD sample result estimated due to the oxygen depletion being outside acceptable range.
- C7:** MS and/or MSD recoveries outside control limits, however LCS and/or LCSD within limits. Data reported
- C8:** MS and/or MSD recoveries outside control limits due to the high level of target analyte in the spiked sample. LCS and/or LCSD within limits. Data reported
- C9:** The reported analyte is not NELAC certified.
- C13:** MS / MSD reported from a post-digestion / distillation spike.

Most Common Flags (Qualifiers used by USB)

Flag Meaning

- C18:** As per client request, sample for Dissolved Metal analysis was filtered and preserved by the laboratory upon receipt.
- C21:** See attached Case Narrative or Non-Conformance / Corrective Action Report.
- C22:** The addition of Spike solution was inadvertently omitted.
- C23:** Detection Limit has been elevated due to high negative values.
- C24:** Detection Limit has been adjusted to sample volume.
- C50:** The addition of Surrogate (s) was inadvertently omitted.
- C58:** Continuing and/or Closing Calibration Check Standard recovery was below the limit allowed by method. Sample results were evaluated and reported based on MDL supporting analysis of lower concentrations.
- C59:** Result was based on a one-point calibration
- C61:** The LCS (D) % Recovery has recovered above acceptable limits. The reported target analyte is Below Detection Limit (BDL) establishing that there is no high biased result reported.
- C62:** Although target analyte was detected above the reporting limit in the blank, the target analyte was not detected above the reporting limit in the sample(s); therefore, the quality of the sample (s) result has not been compromised.
- C63:** Surrogate has recovered outside acceptable limits. Sample has been analyzed twice to confirm Matrix Interference.
- C64:** The required preservation temperature of samples (field samples, extracts, etc.) was not maintained prior to analysis due to a power outage caused by Hurricane Frances.



September 13, 2004

To our valued clients:

The recent impact of Hurricane Frances caused a disruption to both the residents and many businesses throughout the South Florida area and beyond. The hurricane caused a shutdown of US Biosystems business from Friday, September 3rd through Wednesday, September 8th. The intermittent power problems experienced from Saturday until Wednesday evening caused certain sample refrigeration units to be compromised. Additionally, the extended period of the shutdown also caused some holding times to be exceeded depending upon collection date and specific analytical holding times of the samples and their associated analytical parameters.

We apologize for any issues that might arise from the qualification of data caused by Hurricane Frances. If you have any questions, please feel free to contact your Project Manager, the Laboratory Director Derrick Simons at (561) 447-6139, or myself at (561) 447-7373. We are here to serve you and work with you through any of the problems caused during this period of time.

Sincerely,

Catherine Katsikis
QA Director

Log # 97357

#S02 Quote: 1 of 1

Company Name Pioneer City & Env. PO# _____
 Address 700 N. Sacramento Blvd. Suite 101
 City Chicago State IL ZIP 60612
 Attn: Lawrence Krak Fax# 312 5878210
 Project Name ELGIN MHC Proj# 04-12-11-101
 Sampler Name/Signature Jim Mizwicki Phone# 312 587821

Matrix Codes:
 A. None
 B. HNO₃
 C. H₂SO₄
 D. NaOH
 E. HCl
 F. MeOH
 G. Na₂S₂O₈
 H. H₂SO₄
 I. MCAA
 J. MCAA
 K. Zn Acetate
 O. Other
 Please Specify

Sample #	ID	Date	Matrix	Pres. Code	Field Filtered (Y/N)	Integrity OK (Y/N)	Remarks
1	MW-4	8-30-04	GW		X	X	Hold for PCBs
2	MW-5	8-30-04	GW		X	X	Hold for PCBs
3							
4							
5							
6							
7							
8							
9							
0							

Q/N	Date required	Y	N	Other	1	2	3	Other
	12							
	12							

3231 N.W. 7th Avenue
 Boca Raton, FL 33431
 888-862-LABS
 561-447-7373
 888-456-4846 Fax
 561-447-6136 Fax
C.O.C. # 80153

ORIGINAL

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 2
 Date: 09/10/2004
 Log #: L97181-1

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-137 (3-6)
 Date Sampled: 08/17/2004
 Time Sampled: 00:00
 Date Received: 08/27/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Acenaphthene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Anthracene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Fluoranthene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Fluorene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Pyrene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Benzo(a)anthracene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Benzo(a)pyrene	BDL	ug/kg (dw)	3550/8270	78	08/30	09/01	LN
Benzo(b)fluoranthene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Benzo(k)fluoranthene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Chrysene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Dibenzo(a,h)Anthracene	BDL	ug/kg (dw)	3550/8270	78	08/30	09/01	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Acenaphthylene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Benzo(g,h,i)perylene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Phenanthrene	BDL	ug/kg (dw)	3550/8270	430	08/30	09/01	LN
Dilution Factor	1.0		3550/8270		08/30	09/01	LN
Surrogate Recoveries:							
Nitrobenzene-d5	102	%	3550/8270	15-121	08/30	09/01	LN
2-Fluorobiphenyl	46	%	3550/8270	42-111	08/30	09/01	LN
Terphenyl-d14	39	%	3550/8270	37-143	08/30	09/01	LN
Percent Solids							
Percent Solid	77	%	SM2540B	0.10	08/20	08/20	KB

Client #: CHI-00-030604
Address: Pioneer Environmental
700 N. Sacramento
Suite 100
Chicago, IL 60612
Lawrence Kruk

Page: Page 2 of 2
Date: 09/10/2004
Log #: L97181-1

Sample Description:

Elgin MHC
Proj.#: 04-1211-101


Analytical Report: B-137 (3-6)
Date Sampled: 08/17/2004
Time Sampled: 00:00
Date Received: 08/27/2004
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
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~~Percent Solids~~ (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLLEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E85240	KS/NELAC# E-10350
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
LA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

USBIO SYSTEMS

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 1
 Date: 09/21/2004
 Log #: L97716-1

Sample Description:

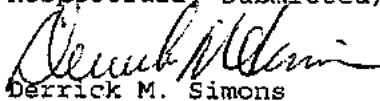
Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B-54 (2-4')
 Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 09/15/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Percent Solids							
Percent Solid	83	%	SM2540B	0.10	08/28	08/28	KB
Metals							
Arsenic	8400	ug/kg (dw)	3050/6010	600	09/16	09/18	VR
Barium	95000	ug/kg (dw)	3050/6010	1200	09/16	09/18	VR
Cadmium	BDL	ug/kg (dw)	3050/6010	1200	09/16	09/18	VR
Chromium	18000	ug/kg (dw)	3050/6010	1200	09/16	09/18	VR
Lead	5300	ug/kg (dw)	3050/6010	1200	09/16	09/18	VR
Selenium	BDL	ug/kg (dw)	3050/6010	1200	09/16	09/18	VR
Silver	BDL	ug/kg (dw)	3050/6010	1200	09/16	09/18	VR
Mercury	BDL C7	ug/kg (dw)	7471	120	09/20	09/21	VK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail 4:RPD; 4:matrix int. 5:improper fld, protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031091	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Derrick M. Simons
 Laboratory Director

Most Common Flags (Qualifiers used by USB)**Flag Meaning**

- XI:** CCV sample values are above $\pm 15\%$ but within the $\pm 25\%$ range per CLP Statement of Work.
- MI:** Matrix Interference. (this code must be accompanied with an explanation)
- IL:** In house Limits. Recovery outside method control limits but within laboratory's historically derived control limits.
- DL:** Sample dilution caused poor or no surrogate recovery.
- CP2-4:** P=Panel Of x. Used when less than a five people panel determined the odor of a sample. There should never be less than two people in the panel.
(Example of use: if a panel of 2 people determined the odor of a sample the results must be qualified with CP2, if 3 people qualify with CP3, if 4 people qualify with CP4)
- C1:** Colony counts are found to be outside the acceptable range: (Heterotrophic Plate Counts: 30-300).
- C2:** Heavy growth, thereby interfering with detection of coliform colonies (applies to both TNTC and confluent)
- C3:** Matrix interference due to excessive chlorine
- C4:** BOD dilution water blank exceeds 0.2 mg/L detection limit.
- C5:** BOD seeded dilution water blank outside 0.6-1.0 mg/L depletion limits.
- C6:** BOD sample result estimated due to the oxygen depletion being outside acceptable range.
- C7:** MS and/or MSD recoveries outside control limits, however LCS and/or LCSD within limits. Data reported
- C8:** MS and/or MSD recoveries outside control limits due to the high level of target analyte in the spiked sample. LCS and/or LCSD within limits. Data reported
- C9:** The reported analyte is not NELAC certified.
- C13:** MS / MSD reported from a post-digestion / distillation spike.

USBIO SYSTEMS

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 1
 Date: 10/24/2004
 Log #: L99585-1

Sample Description:


Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: B54 (2-4)
 Date Sampled: 08/26/2004
 Time Sampled: 00:00
 Date Received: 10/18/2004
 Collected By: Client

Parameter	Results	Units	Method	Reportable Extr.		Any.		Analyst
				Limit	Date	Date		
SPLP Preparation								
SPLP Extraction	10/19	date	1312 EXTR					JC
SPLP Metals								
Iron	32000 C8	ug/l	3010/6010	50	10/21	10/22		VR
Manganese	540	ug/l	3010/6010	10	10/21	10/22		VR

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
 Flags: SDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
 Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail &R or &RPD; 4:matrix int. 5:improper fld. protocol
 FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
 FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
VA CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

 Mike Kimmel
 Senior Project Manager

Most Common Flags (Qualifiers used by USB)

Flag Meaning

- X1:** CCV sample values are above $\pm 15\%$ but within the $\pm 25\%$ range per CLP Statement of Work.
- MI:** Matrix Interference. (this code must be accompanied with an explanation)
- IL:** In house Limits. Recovery outside method control limits but within laboratory's historically derived control limits.
- DL:** Sample dilution caused poor or no surrogate recovery.
- CP2-4:** P=Panel Of x. Used when less than a five people panel determined the odor of a sample. There should never be less than two people in the panel.
(Example of use: if a panel of 2 people determined the odor of a sample the results must be qualified with CP2, if 3 people qualify with CP3, if 4 people qualify with CP4)
- C1:** Colony counts are found to be outside the acceptable range: (Heterotrophic Plate Counts: 30-300).
- C2:** Heavy growth, thereby interfering with detection of coliform colonies (applies to both TNTC and confluent)
- C3:** Matrix interference due to excessive chlorine
- C4:** BOD dilution water blank exceeds 0.2 mg/L detection limit.
- C5:** BOD seeded dilution water blank outside 0.6-1.0 mg/L depletion limits.
- C6:** BOD sample result estimated due to the oxygen depletion being outside acceptable range.
- C7:** MS and/or MSD recoveries outside control limits, however LCS and/or LCSD within limits. Data reported
- C8:** MS and/or MSD recoveries outside control limits due to the high level of target analyte in the spiked sample. LCS and/or LCSD within limits. Data reported
- C9:** The reported analyte is not NELAC certified.
- C13:** MS / MSD reported from a post-digestion / distillation spike.

Most Common Flags (Qualifiers used by USB)

Flag Meaning

- C18:** As per client request, sample for Dissolved Metal analysis was filtered and preserved by the laboratory upon receipt.
- C21:** See attached Case Narrative or Non-Conformance / Corrective Action Report.
- C22:** The addition of Spike solution was inadvertently omitted.
- C23:** Detection Limit has been elevated due to high negative values.
- C24:** Detection Limit has been adjusted to sample volume.
- C50:** The addition of Surrogate (s) was inadvertently omitted.
- C58:** Continuing and/or Closing Calibration Check Standard recovery was below the limit allowed by method. Sample results were evaluated and reported based on MDL supporting analysis of lower concentrations.
- C59:** Result was based on a one-point calibration
- C61:** The LCS (D) % Recovery has recovered above acceptable limits. The reported target analyte is Below Detection Limit (BDL) establishing that there is no high biased result reported.

CHAIN OF CUSTODY RECORD

Log# 9955 T#S _____ Quote: _____ Page of

Company Name: USBIOSYSTEMS PO# _____
 Address: _____
 City: IL State: _____ Zip: _____
 Attn: L. Leuk Fax# _____
 email: td
 Project Name: 01-121-101 Proj # 9779
 Sampler Signature: Client Phone# _____

Sample ID	Client ID	Matrix Code	1	2	3	4	5	6	7	8	9	0
1	10101	1000 SO										
2												
3												
4												
5												
6												
7												
8												
9												
0												

SAR & MD

K

REMARKS
No % SOILS.

- CONTAINING MATRIX CODES**
- AV Amber Vial
 - CV Clear Vial
 - P Plastic
 - AL Amber Libr
 - CL Clear Libr
 - AP Amber Plastic
 - AG Amber Glass
 - SJ Soil Jar
 - ES E-Zone Sample
 - PPV Polypropylene via
 - PLC Plastic Container
 - PLJ Plastic Jar
 - ZBac Ziploc Bag
 - TEFLAR B Techr Bag
 - WHIRL P Whirl Pak
 - G Galton Jug

- Matrix Codes**
- SD Solid Waste
 - GN Ground Water
 - EFF Effluent
 - AFW Airborne Free H₂O
 - WW Wastewater
 - DW Drinking Water
 - SW Surface Water
 - ML Misc. Liquid
 - DL Oil
 - SL Sludge
 - SO Soil Exchange
 - AD Aqueduct
 - NA Nonsaturated
 - PE Petroleum
 - O Other (Please specify)

- Pres Codes**
- A. None
 - B. HNO₃
 - C. H₂SO₄
 - D. NaOH
 - E. HCl
 - F. MeOH
 - G. Na₂SO₃
 - H. NaHSO₄
 - I. Icp
 - J. MCAA
 - K. to Acetic
 - O. Other

Sample ID: _____
 Received on: _____
 Properly sealed and labeled?
 Custody maintained?
 Vehicle received with backlogs?
 Properly stored?

C.O.C.# **96613**

ORIGINAL

USBiosYSTEMS

Client #: CHI-00-030604
Address: Pioneer Environmental
700 N. Sacramento Blvd.
Suite 100
Chicago, IL 60612
Lawrence Kruk

Page: Page 1 of 1
Date: 05/05/2005
Log #: L110165-1

Sample Description:


Elgin MHC
Proj.#: 04-1211-101

Analytical Report: MW-1
Date Sampled: 04/19/2005
Time Sampled: 12:30
Date Received: 04/20/2005
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Metals							
Lead	2.5	ug/l	200.B	2.0	04/28	05/04	RL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: RDL-or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
NC CERT# 444 ADEM ID# 40850
SC CERT# 96031001 TN CERT# 02985
IL/NELAC CERT# 200020 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
Address: Pioneer Environmental
700 N. Sacramento Blvd.
Suite 100
Chicago, IL 60612
Lawrence Kruk

Page: Page 1 of 1
Date: 05/05/2005
Log #: L110165-2

Sample Description:

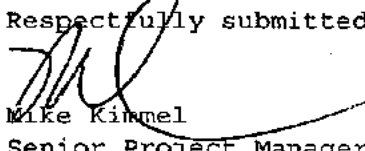
Elgin MHC
Proj.#: 04-1211-101

Analytical Report: MW-3
Date Sampled: 04/19/2005
Time Sampled: 13:00
Date Received: 04/20/2005
Collected By: Client

Parameter	Results	Units	Method	Reportable Extr.		Anly.	Analyst
				Limit	Date	Date	
Metals							
Lead	2.4	ug/l	200.8	2.0	04/28	05/04	RL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
NC CERT# 444 ADEM ID# 40850
SC CERT# 96031001 TN CERT# 02985
IL/NELAC CERT# 200020 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento Blvd.
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 1 of 3
 Date: 05/05/2005
 Log #: L110165-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-4

Date Sampled: 04/19/2005
 Time Sampled: 09:00
 Date Received: 04/20/2005
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	5.0	04/23	04/25	LN
Acenaphthene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Anthracene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Fluoranthene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Fluorene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Pyrene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Benzo (a) anthracene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Benzo (a) pyrene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Benzo (b) fluoranthene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Benzo (k) fluoranthene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Chrysene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Dibenzo (a, h) Anthracene	BDL	ug/l	3510/8270	0.20	04/23	04/25	LN
Indeno (1, 2, 3-c, d) pyrene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Acenaphthylene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Benzo (g, h, i) perylene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Phenanthrene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Dilution Factor	1.0		3510/8270		04/23	04/25	LN
Surrogate Recoveries:							
Nitrobenzene-d5	57	%	3510/8270	28-128	04/23	04/25	LN
2-Fluorobiphenyl	56	%	3510/8270	45-126	04/23	04/25	LN
Terphenyl-d14	77	%	3510/8270	50-146	04/23	04/25	LN
Volatile Organic Compounds							
MEK (2-Butanone)	BDL	ug/l	5030/8260	10	05/03	05/03	SV
2-Hexanone	BDL	ug/l	5030/8260	10	05/03	05/03	SV
MIBK (4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	05/03	05/03	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento Blvd.
 Suite 100
 Chicago, IL 60612
 Lawrence Kruk

Page: Page 2 of 3
 Date: 05/05/2005
 Log #: L110165-3

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-4
 Date Sampled: 04/19/2005
 Time Sampled: 09:00
 Date Received: 04/20/2005
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	05/03	05/03	SV
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	05/03	05/03	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	05/03	05/03	SV
Acetone	BDL	ug/l	5030/8260	10	05/03	05/03	SV
Benzene	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	05/03	05/03	SV
Bromoform	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	05/03	05/03	SV
n-Butyl Alcohol	BDL	ug/l	5030/8260	500	05/03	05/03	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	05/03	05/03	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	05/03	05/03	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Chloroform	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	05/03	05/03	SV
Styrene	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Toluene	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Trichloroethene	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	05/03	05/03	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	05/03	05/03	SV
MTBE	BDL	ug/l	5030/8260	1.0	05/03	05/03	SV
Dilution Factor	1.0		5030/8260		05/03	05/03	SV
Surrogate Recoveries:							
Dibromofluoromethane	122	%	5030/8260	68-145	05/03	05/03	SV
Toluene-D8	118	%	5030/8260	62-133	05/03	05/03	SV
p-Bromofluorobenzene	94	%	5030/8260	56-135	05/03	05/03	SV

Client #: CHI-00-030604
Address: Pioneer Environmental
700 N. Sacramento Blvd.
Suite 100
Chicago, IL 60612
Lawrence Kruk

Page: Page 3 of 3
Date: 05/05/2005
Log #: L110165-3

Sample Description:

Elgin MHC
Proj.#: 04-1211-101


Analytical Report: MW-4
Date Sampled: 04/19/2005
Time Sampled: 09:00
Date Received: 04/20/2005
Collected By: Client

Parameter	Results	Units	Method	Reportable Extr.	Anly.	Analyst
				Limit	Date	

~~Volatile Organic Compounds~~ (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NPL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
A CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: CHI-00-030604
 Address: Pioneer Environmental
 700 N. Sacramento Blvd.
 Suite 100
 Chicago, IL 60612.
 Lawrence Kruk

Page: Page 1 of 2
 Date: 05/05/2005
 Log #: L110165-4

Sample Description:

Elgin MHC
 Proj.#: 04-1211-101

Analytical Report: MW-5

Date Sampled: 04/19/2005
 Time Sampled: 10:30
 Date Received: 04/20/2005
 Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	5.0	04/23	04/25	LN
Acenaphthene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Anthracene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Fluoranthene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Fluorene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Pyrene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Benzo(a)anthracene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Benzo(a)pyrene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Chrysene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	0.20	04/23	04/25	LN
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Acenaphthylene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	0.10	04/23	04/25	LN
Phenanthrene	BDL	ug/l	3510/8270	1.0	04/23	04/25	LN
Dilution Factor	1.0		3510/8270		04/23	04/25	LN
Surrogate Recoveries:							
Nitrobenzene-d5	34	%	3510/8270	28-128	04/23	04/25	LN
2-Fluorobiphenyl	40	%	3510/8270	45-126	04/23	04/25	LN
Terphenyl-d14	70	%	3510/8270	50-146	04/23	04/25	LN
Metals							
Lead	14	ug/l	200.8	2.0	04/28	05/04	RL

Client #: CHI-00-030604
Address: Pioneer Environmental
700 N. Sacramento Blvd.
Suite 100
Chicago, IL 60612
Lawrence Kruk

Page: Page 2 of 2
Date: 05/05/2005
Log #: L110165-4

Sample Description:

Elgin MHC
Proj.#: 04-1211-101

Analytical Report: MW-5
Date Sampled: 04/19/2005
Time Sampled: 10:30
Date Received: 04/20/2005
Collected By: Client


Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
-----------	---------	-------	--------	------------------	------------	------------	---------

Metals (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240	KS/NELAC# E-10360
NC CERT# 444	ADEM ID# 40850
SC CERT# 96031001	TN CERT# 02985
IL/NELAC CERT# 200020	GA CERT# 917
CERT# 00395	USDA Soil Permit# S-35240

Respectfully submitted,


Mike Rimmel
Senior Project Manager

Company Name: **PIONEER** PO#
 Address: **700 N SACRAMENTO SWIR 101**
 City: **CHOO** State: **IL** Zip: **60612**
 Attn: **LARRY KRUK** Fax# **773722 9201**
 email: **kruk@bioeverenvironmental.com**
 Project Name: **E/GW MHC** Proj# **04-1211-101**
 Sampler Signature: **[Signature]** Phone# **773-722-9200**

Sample No.	Sample ID	Sample Type	Sample Date	Sampler	Matrix Code	Remarks
01	MW-1	GW	4/19/05	1230	6W	
02	MW-3		100			
03	MW-4		900			
04	MW-5		1030			
5						
6						
7						
8						
9						
0						

- CONTAINERS**
- ES Amber Vial
 - PP Plastic Jar
 - PLC Plastic Container
 - PLJ Plastic Jar
 - PLK Ziploc Bag
 - TEFLAR B Teflon Bag
 - WHIRL P Whirlpak
 - G Gallon Jug
- Matrix Codes**
- SD Solid Waste
 - GW Ground Water
 - EFF Effluent
 - AFW Analyte Free H2O
 - WW Waste Water
 - DW Drinking Water
 - SW Surface Water
 - ML Misc. Liquid
- PRES/CODES**
- A. None
 - B. HNO3
 - C. H2SO4
 - D. NaOH
 - E. HCL
 - F. MeOH
 - G. Na2S2O3
 - H. NaHSO4
 - I. Ice
 - J. MCAA
 - K. Zn Acetate
 - O. Other

Use Required	Y	N	None	1	2	3	Other	CA/QC Report Level	QA/QC	Report Level	Date	Time	Signature
0													
1											4/19/05	1400	[Signature]
2											4-20-05	1050	[Signature]
3											4/20/05	500PM	[Signature]

ORIGINAL

November 23, 2005

Elgin Mental Health Center
0894385115
SK/tec H
1/2

Illinois Environmental Protection Agency
Bureau of Land
Remedial Project Management Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

RE: Site Investigation Report-Comprehensive, Remediation Objectives Report & Remedial Action Completion Report
Former Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31
Elgin, Illinois

ORIGINAL

Dear IEPA Representative:

Pioneer was contracted to obtain a comprehensive NFR letter for the above referenced property. This property will go through the Site Remediation Program.

Attached you will find a check for \$500.00 to begin the review process. Three copies of the report are included, along with one original and two copies of the DRM forms. The report with the original DRM form has been "flagged."

Please contact me at (773) 722-9200 if you have any questions or concerns.

Sincerely,
PIONEER ENGINEERING & ENVIRONMENTAL SERVICES, INC.



Dakota Prentice
Project Manager

cc: Jim Nicketta, John B. Sanfilippo & Son, Inc.

RECEIVED

NOV 28 2005

IEPA/BOL

RELEASABLE

DEC 01 2005

REVIEWER MD

ORIGINAL



JOHN B. SANFILIPPO & SON, INC.

Corporate Offices 2299 Busse Road, Elk Grove Village, IL 60007 U.S.A. (847) 593-2300

U.S. Bank
ASPEN, CO 81050

82-164
1021

39270

VOID IF NOT PRESENTED WITHIN 120 DAYS

LPC # 0894385115
DATE

AMOUNT

11/15/05 USD**\$500.00**

PAY

Five Hundred and 00/100 dollars

TO THE
ORDER
OF

Illinois Environmental Protection Agency
For deposit in Hazardous Waste Fund
PO Box 19276
Springfield, IL 62794-9276

John B. Sanfilippo
Authorized Signature

⑈ 392708⑈ ⑆ 102101645⑆ 126400035948⑈

**SITE INVESTIGATION REPORT-COMPREHENSIVE,
REMEDATION OBJECTIVES REPORT &
REMEDIAL ACTION COMPLETION REPORT**

**Former Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31
Elgin, Illinois**

Prepared For:

John B. Sanfilippo & Son, Inc.
2299 Busse Road
Elk Grove Village, IL 60007
Attn: Jim Nicketta

ORIGINAL

Prepared By:

Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd., Suite 101
Chicago, Illinois 60612
(773) 722-9200

ORIGINAL

Date Submitted:

November 23, 2005

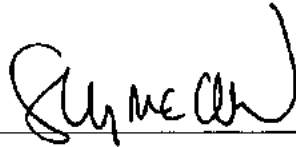
Pioneer Project No: 04-1211-101

RELEASABLE

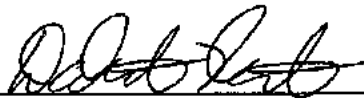
DEC 01 2005

REVIEWER MD

The following personnel have prepared and/or reviewed this report.



Jeffrey McClelland, P.E.
Senior Project Manager



Dakota Prentice
Project Manager

04-1211-101

Pioneer Project Number

November 23, 2005

Date

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1.0 INTRODUCTION

1.1 Site Investigation Objectives

Pioneer Engineering & Environmental Services, Inc. (Pioneer) was engaged by the John B. Sanfilippo and Son, Inc. (Remediation Applicant), to perform various environmental services at the Elgin Mental Health Center facility, located at the southwest corner of Route 20 (West Lake Street) and Route 31 (South State Street) in Elgin, Illinois (Remediation Site). The scope of environmental consulting services included: 1) a review of a *Phase I Environmental Site Assessment* (Phase I ESA), dated April 13, 2004, prepared by Terracon Consulting Engineers and Scientists (Terracon); 2) the performance of a subsurface investigation to determine if the Remediation Site had been impacted by the Recognized Environmental Conditions (RECs) noted in Terracon's Phase I ESA and other potential RECs observed by Pioneer; 3) an evaluation of the site's contaminant conditions in accordance with the state's Tiered Approach to Corrective Action Objectives (TACO) regulations; and 4) the preparation and submittal of the prescribed Illinois EPA (IEPA) forms and closure reporting documentation.

The activities performed at the Remediation Site were voluntarily initiated to facilitate the proposed industrial/commercial redevelopment of the site and determine the degree of remedial action necessary to comply with applicable regulations. Based upon the results of these activities, the Client chose to voluntarily seek formal closure for the Remediation Site and obtain a "comprehensive" No Further Remediation (NFR) Letter from the Illinois EPA pursuant to Title 35 IAC (Illinois Administrative Code) Part 740 (Site Remediation Program - SRP), Subpart F and Section 58.10 of the Illinois Environmental Protection Act. Thus, the following *Site Investigation Report-Comprehensive, Remediation Objectives Report, and Remedial Action Completion Report* (SIR-C/ROR/RACK) provides a complete discussion of the procedures and results of the subsurface investigations performed by Pioneer to characterize current contaminant conditions at the Remediation Site. The appropriate Illinois EPA Site Remediation Program DRM-1 and DRM-2 forms are provided in Appendix A.

1.2 Site Description

The Remediation Site is generally rectangular, encompasses approximately 3,825,200 square feet (87.81 acres) and is located in Elgin, Illinois. The Remediation Site is approximately bounded by Middle Road to the south, Route 20 (West Lake Street) to the north, Route 31 (South State Street) to the east, and extends between 1,700 to 2,000 feet west along a stepped property line. A 157,928 square foot (3.62 acres) parcel in the south-central portion of the Remediation Site will be retained under separate ownership and was excluded from this investigation. The topography of the subject property varies from approximately 760 feet above sea level along the western portion of the site to approximately 730 feet above sea level in a depression at the southeast corner of the property. The Remediation Site is currently improved with three buildings (Figure 1), and previously contained additional structures, including a former Administration Building (#1) that was demolished in the early 1990s. The Remediation Site was historically operated as a State Mental Hospital from the mid- to late-1880s to the present. The remaining portions of the site are developed with landscaped areas, paved roadways, concrete walkways, and surface level paved parking areas.

The Remediation Site is currently zoned as a Planned Office Research Industrial (PORI) District. The following provides a summary of the adjacent properties noted during a recent site inspection.

North: The Remediation Site is bordered to the north by Route 20 (West Lake Street). Farther north are single-family residential dwellings.

East: The Remediation Site is bordered to the east by Route 31 (South State Street). Farther east is the State of Illinois Regional Office building, one single-family residence, and undeveloped wooded land.

South: The Remediation Site is bordered to the south by Middle Road and the remaining portion of the Elgin Mental Health Center facility.

West: The Remediation Site is bordered to the northwest by the Larkin Center Rankow

Campus (school) and undeveloped wooded land to the west/southwest.

Center: The Remediation Site surrounds a 157,928 square foot (3.62 acre) parcel in the south-central portion of the subject property. The center parcel is occupied by a power plant and maintenance buildings that support the Elgin Mental Health Center facility.

1.3 Background Information

Pioneer reviewed Terracon's previously noted Phase I ESA to obtain a general evaluation of the RECs observed at the Remediation Site. As a practical matter, Pioneer has referenced the information provided and utilized the data within the Phase I ESA to execute subsurface investigation activities for purposes of formal site closure. The Phase I ESA indicated that the Remediation Site was historically utilized as a state mental hospital from 1872 to the present. A copy of this report has been included as Appendix B.

1.4 Summary of Phase I ESA & Recognized Environmental Conditions

The following summarizes Pioneer's review of Terracon's Phase I ESA, dated April 13, 2004, and the RECs identified in connection with the Remediation Site.

1.4.1 Former Man-Made Lake Area

According to an historical narrative, "The History of Elgin Mental Health Center, Evolution of a State Hospital," a man-made lake was constructed in 1886 in the southeastern portion of the Remediation Site. Due to shallow, permeable, native soils found at this location, the lake bottom was lined with 4,500 cubic yards of clay brought onto the site. This lake was utilized for fire prevention water storage from the late 1800s to the early 1900s. After the lake was drained, additional fill materials were added to level the area, which was then left as undeveloped land. Terracon noted the former lake

area as a REC due to the unknown source of the fill materials deposited in this portion of the site.

1.4.2 Former Administration Building (#1)

Historical Sanborn maps, aerial photographs, and topographic maps indicated that the Remediation Site had been occupied by the Elgin Mental Health Center facility from at least 1891 to 2004. The Sanborn maps noted coal-fired boilers and a coal storage house at the former Administration Building (#1). In addition, several electrical power-generating "dynamamos" were depicted to the southeast of the Administration Building's boiler rooms on the 1891 and 1913 Sanborn maps. An Oil House and Disinfecting House were also shown to the northwest of the former Administration Building (#1). Terracon noted the coal-fired boilers, coal storage house, electrical power-generating "dynamamos," and the Oil and Disinfecting houses as RECs at the site.

According to a historical narrative, "The History of Elgin Mental Health Center, Evolution of a State Hospital," a "small gas manufacturing plant was built to supply gas for lighting" for the former Administration Building (#1). Although the exact location of the former manufactured gas plant was not noted by historical sources, Terracon listed this former feature as a REC.

1.4.3 Former 50,000-Gallon Heating Oil AST

Terracon reported that a former Chief Engineer for Elgin Mental Health Center stated that a 50,000-gallon heating oil aboveground storage tank (AST) was formerly located in the southwest-central portion of the Remediation Site. Although the AST was contained within a bermed secondary containment area, it was unknown if the bermed area utilized a non-permeable barrier/floor. Therefore, Terracon noted the historical storage and utilization of heating oil at the site as a REC.

1.4.4 Coal and PCB Transformer Storage Area

Terracon noted that the field southwest of the Pump and Blower building (#31) was historically utilized for coal staging and for storage of PCB-containing transformers prior to disposal. During the Phase I ESA site reconnaissance, Terracon observed remnant coal in this area, but no evidence of any leaks or spills from the transformer storage. The remnant coal materials, the historical storage of coal, and the historical storage of PCB-containing transformers were listed as RECs by Terracon.

1.4.5 Historical Chloroethylene Use (Laundry Buildings)

During the Phase I ESA site reconnaissance, Terracon noted two bulging, unlabeled (contents unknown), 55-gallon drums to the south of the "New" Laundry building (#109). In addition, three drums of waste chloroethylene/trichloroethylene were observed within the "New" Laundry building. Terracon listed the historical use of chloroethylene/trichloroethylene and the bulging, unlabeled drums as RECs. Based on these RECs, Pioneer also investigated the "Old" Laundry building (#49) due to potential historical use of chloroethylene/trichloroethylene at this location.

1.4.6 Existing UST Systems

Terracon's Phase I ESA noted, two 1,000-gallon (one gasoline and one diesel) underground storage tanks (USTs) located at the southwest corner of the site. In July 1998, the diesel UST failed a tank tightness test and a leaking UST (LUST) incident (#981699) was declared. Additional tests were conducted on the tank and a tank monitoring system was installed. The results of the testing and monitoring determined that the UST did not appear to be leaking. Therefore, Patrick Engineering reported the LUST incident as "pre-mature" and a non-LUST determination was issued by the Illinois

EPA. Since no soil testing was completed around the USTs, Terracon noted the 1,000-gallon diesel UST as a REC. Pioneer also include the 1,000-gallon gasoline UST as a REC and investigated both tanks during the subsurface investigation.

1.4.7 Former Locations of Suspected PCB Transformers

Elgin Mental Health Center files reviewed by Terracon indicated that a Section Six PCB (polychlorinated biphenyls) investigation was completed in February 1986 and several PCB and/or PCB-containing transformers were located at the Remediation Site. However, additional records indicated that the majority of the PCB and/or PCB-containing transformers had been removed from the site or were retro-filled with non-PCB containing oil. Since no soil and/or groundwater sampling was performed in the areas where these transformers were formerly located, Terracon noted the historical presence of PCB and/or PCB-containing transformers as RECs. In addition, the presence of an abandoned transformer near the Pump and Blower building (#31) was listed as a REC.

Following the review of Terracon's Phase I ESA, Pioneer performed subsurface investigation activities to determine if these RECs had impacted the soil and groundwater at the Remediation Site.

1.5 Contaminants of Concern

Based on the above RECs, the following contaminants of concern (COCs) were identified for the Remediation Site:

- BTEX (benzene, toluene, ethylbenzene, and xylenes);
- PNAs (polynuclear aromatic hydrocarbons);

- VOCs (volatile organic compounds);
- SVOCs (semivolatile organic compounds);
- Phenols;
- Total Cyanide;
- PCBs;
- Pesticides;
- Inorganics;
- Total RCRA 8 metals; and
- Illinois Target Compound List (TCL; VOCs, SVOCs, Pesticides, PCBs, and Inorganics).

The specific combination of analyses performed on each selected soil and groundwater sample was determined by the Pioneer Project Manager in order to evaluate the known RECs, and to justify that the requirements of a comprehensive site investigation had been satisfied, pursuant to Section 740.420(b).

2.0 SITE CHARACTERIZATION

2.1 Sampling Plan

Based on the aforementioned RECs (see Section 1.4), Pioneer developed a sampling plan to adequately characterize the site conditions and to achieve the project objectives in accordance with 35 IAC Part 740 and Part 742 [Tiered Approach to Corrective Action Objectives (TACO)] regulations. The scope of the subsurface investigation included the advancement of 44 soil borings and 5 groundwater monitoring wells to evaluate the identified RECs and/or define the extent of identified contamination at the site. In addition, soil samples were field screened and/or tested for select COCs from 19 geotechnical soil borings installed for the proposed redevelopment of the Remediation Site, including building and retention pond construction. A summary of the site-sampling plan is presented in Table 2.1.1

TABLE 2.1.1
Summary of Sampling Plan

Location Identification	Date Drilled	Total Depth (Feet)	Sample Interval (Feet)	Analyses	Investigation Purpose
<i>Southwest Corner of Route 20 and Route 31 - Elgin, Illinois</i>					
B-101	7/21/04	27	6-9	VOCs, PNAs, Metals	Former Man-Made Lake Area; Fill Materials
B-101B	8/26/04	6	3-6	PNAs	
B-102	7/21/04	15	NA	NA	
B-103	7/21/04	18	9-12	VOCs, PNAs, Metals	
B-104	7/21/04	15	9-12	VOCs, SVOCs, Metals, Phenols, Cyanide, PCBs	Former Administration Building; coal-fired boilers, coal storage house, electrical power-generating "dynamos," Oil and Disinfecting houses, and manufactured gas plant
B-105	7/21/04	15	9-12	VOCs, SVOCs, Metals, Phenols, Cyanide, PCBs	
B-106	7/21/04	18	9-12	VOCs, SVOCs, Metals, Phenols, Cyanide, PCBs	
B-107	7/22/04	15	12-15	VOCs, SVOCs, Metals, Phenols, Cyanide, PCBs	
B-107B	8/26/04	15	12-15	Pesticides, Inorganics	
B-108	7/22/04	15	9-12	VOCs, SVOCs, Metals, Phenols, Cyanide, PCBs	
B-109	7/22/04	15	9-12	VOCs, SVOCs, Metals, Phenols, Cyanide, PCBs	
B-110	7/22/04	12	0-3	VOCs, PCBs	"Old" Laundry Building (#49); PCB Transformers, Historic Chloroethylene Use
B-111	7/22/04	12	0-3	PCBs	PCB Transformers
B-112	7/22/04	12	0-3	PCBs	
B-113	7/22/04	12	3-6	PCBs	
B-114	7/22/04	15	0-3	BTEX, PNAs	Former 50,000-Gallon Heating Oil AST
B-115	7/22/04	15	0-3	NA	
	7/22/04		3-6	BTEX, PNAs	
B-116	7/22/04	12	0-3	PCBs, PNAs	Coal and PCB Transformer Storage Area
B-117	7/22/04	9	0-3	PCBs, PNAs	
B-118	7/22/04	15	0-3	PCBs, PNAs	
B-119	7/26/04	15	9-12	BTEX, PNAs	Existing UST System
B-120	7/26/04	12	6-9	BTEX, PNAs	
B-121	7/26/04	15	12-15	BTEX, PNAs	
B-122	7/26/04	18	12-15	BTEX, PNAs	
B-123	7/26/04	12	0-3	PCBs	Abandoned PCB Transformer
	7/26/04		6-9	VOCs	Unlabeled Drums
B-124	7/26/04	16	9-12	VOCs	"New" Laundry Building (#109); Historic Chloroethylene Use
B-125	7/26/04	15	6-9	VOCs	
B-126	7/26/04	15	3-6	VOCs	
B-127	7/26/04	12	12-15	BTEX, PNAs	Existing UST System
B-128	7/26/04	18	15-18	BTEX, PNAs	
B-129	7/27/04	15	3-6	VOCs, PNAs, Metals	Former Man-Made Lake Area; Fill Materials
B-129B	8/17/04	6	3-6	SVOCs, Pesticides, PCBs, Inorganics	
B-129C	8/26/04	6	3-6	R-Code Waste Scan	

Notes: VOCs = Volatile Organic Compounds
 PNAs = Polynuclear Aromatic Hydrocarbons
 Metals = Total RCRA 8 Metals (Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver)
 SVOCs = Semi-Volatile Organic Compounds
 PCBs = Polychlorinated Biphenyls
 NA = Not Analyzed
 BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes (total)

TABLE 2.1.1 (Continued)
Summary of Sampling Plan

Location Identification	Date Sampled	Total Depth (Feet)	Sample Interval (Feet)	Analyses	Investigation Purpose
<i>Southwest Corner of Route 20 and Route 31 - Elgin, Illinois</i>					
B-130	7/27/04	15	3-6	VOCs, PNAs, Metals	Former Man-Made Lake Area; Fill Materials
B-131	7/27/04	12	3-6	TOC	Site-specific Total Organic Carbon Value
	7/27/04		6-9	TOC	
B-132	7/27/04	12	6-9	VOCs	"Old" Laundry Building (#49); Historic Chloroethylene Use
B-133	7/27/04	12	6-9	NA	Former Administration Building; coal-fired boilers, coal storage house, electrical power-generating "dynamos," Oil and Disinfecting houses, and manufactured gas plant
B-134	8/17/04	6	3-6	PNAs	Former Man-Made Lake Area; Fill Materials
B-135	8/17/04	6	3-6	PNAs	
B-136	8/17/04	6	3-6	NA	
B-137	8/17/04	6	0-3	NA	
	8/17/04		3-6	PNAs	
B-138	8/17/04	6	0-3	NA	
B-139	8/17/04	6	0-3	NA	
	8/17/04		3-6	PNAs	
B-140	8/17/04	6	0-3	NA	
	8/17/04		3-6	PNAs	
B-141	8/17/04	6	0-3	NA	
	8/17/04		3-6	PNAs	
B-142	8/17/04	3	1.0	PNAs	Coal Storage Area
	8/17/04		2.0	Metals	
B-143	8/17/04	3	1.0	PNAs	
	8/17/04		2.0	NA	
B-144	8/17/04	3	1.0	PNAs	
	8/17/04		2.0	NA	
MW-1	8/12/04	30	--	VOCs, Metals	Groundwater Investigation; Combined RECs; Supplemental Low Flow Sampling (4/19/05)
	8/18/04		--	PNAs, PCBs	
	4/19/05		--	Lead	
MW-2	8/12/04	55	--	VOCs, Metals	
	8/18/04		--	PNAs, PCBs	
MW-3	8/12/04	38	--	VOCs, Metals	
	8/18/04		--	PNAs, PCBs	
	4/19/05		--	Lead	
MW-4	8/30/04	38	--	VOCs, PNAs, Metals	
	4/19/05		--	VOCs, PNAs	
MW-5	8/30/04	38	--	VOCs, PNAs, Metals	
	4/19/05		--	Lead, PNAs	

Notes: VOCs = Volatile Organic Compounds
 PNAs = Polynuclear Aromatic Hydrocarbons
 Metals = Total RCRA 8 Metals (Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver)
 TOC = Total Organic Carbon (f_{oc})
 NA = Not Analyzed
 PCBs = Polychlorinated Biphenyls

TABLE 2.1.1 (Continued)
Summary of Sampling Plan

Location Identification	Date Sampled	Total Depth (Feet)	Sample Interval (Feet)	Analyses	Investigation Purpose
<i>Southwest Corner of Route 20 and Route 31 - Elgin, Illinois</i>					
B-24	8/26/04	25	3-6	NA	Geotechnical Borings; General Site Coverage
B-39	8/19/04	33	2.5-7.5	VOCs, PNAs, Metals	
B-42	8/19/04	35	5-10	VOCs, PNAs, Metals	
B-44	8/19/04	35	2.5-7.5	VOCs, PNAs, Metals	
B-46	8/26/04	35	2-4	VOCs, PNAs, Metals	
B-49	8/19/04	35	5-10	VOCs, PNAs, Metals	
B-52	8/19/04	25	2.5-7.5	VOCs, PNAs, Metals	
B-54	8/26/04	25	2-4	VOCs, SVOCs, Pesticides, PCBs, Inorganics, Metals	
B-57	8/17/04	35	5-8	VOCs, PNAs, Metals	
B-60	8/18/04	27	5-8	VOCs, PNAs, Metals	
B-62	8/18/04	35	5-8	VOCs, PNAs, Metals	
B-63	8/20/04	25	5-10	Field-Screened for Potential Impact	
	8/20/04		20-25		
B-64	8/20/04	25	2.5-7.5		
B-65	8/20/04	35	2.5-7.5		
B-66	8/20/04	35	5-10		
B-67	8/20/04	35	7.5-15		
	8/20/04		20-25		
B-68	8/20/04	35	2.5-7.5		
B-69	9/1/04	40	7.5-12.5		
	9/1/04		28-33		
B-70	9/1/04	40	7.5-12.5		
	9/1/04		20-25		
	9/1/04		35-40		

Notes: VOCs = Volatile Organic Compounds
 PNAs = Polynuclear Aromatic Hydrocarbons
 Metals = Total RCRA 8 Metals (Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver)
 SVOCs = Semi-Volatile Organic Compounds
 PCBs = Polychlorinated Biphenyls
 NA = Not Analyzed

2.2 Soil Boring Advancement/Sampling

Pioneer mobilized subsurface drilling equipment and OSHA-certified personnel to the subject site on multiple occasions between July 21, 2004 and September 1, 2004. The following items outline the main activities performed in connection with the soil testing activities:

- Advanced 44 environmental-specific soil borings in locations chosen to provide the greatest likelihood of detecting impacts from former site operations;

- Completed field screening and/or collected soil samples for analytical testing at each soil boring, including 19 additional geotechnical borings, to provide supplemental information regarding contaminant conditions throughout the site;
- Advanced soil borings to depths ranging from 3 to 55 feet below surface grade (BSG), based on site-specific conditions, with samples collected continuously from surface grade to the boring terminus;
- Obtained soil samples using truck-mounted, hydraulic direct-push technology or rotary drill rig, and standard soil sampling techniques in accordance with ASTM D 1586 and/or generally accepted engineering practices;
- Field screened soil samples using a Photovac MP-1000 hand held air monitor/photoionization detector (PID) to measure for indications of contamination;
- Logged soil samples according to their predominant geologic characteristics, in accordance with ASTM D-2487 - Unified Soil Classification System (USCS);
- Packed samples in pre-labeled, preserved (in accordance with Method 5035, when appropriate), laboratory provided, glass containers, and stored in a cooler on ice under standard chain of custody procedures;
- Selected samples from various soil borings for laboratory analysis, based on the scope of work, PID readings, and judgment of the Project Engineer; and
- Delineated the extent of impacts in horizontal and vertical directions on the Remediation Site, based on both field indications of contamination and analytical results.

Pioneer's protocols for sampling activities and soil boring logs are included in Appendix C, and photographic logs are included in Appendix D. The soil sampling locations are depicted in Figure 2 and Figure 3.

2.3 Groundwater Monitoring Well Installation/Sampling

To evaluate the site's hydrogeologic conditions and groundwater quality, Pioneer installed five groundwater monitoring wells between July 30, 2004 and August 25, 2004. In addition, Pioneer returned to the Remediation site on April 19, 2005, for supplemental groundwater sampling. The following outlines the main activities performed in connection with the groundwater testing activities:

- Installed five groundwater monitoring wells (MW-1 through MW-5; Figure 2)

- Utilized 2-inch diameter PVC well materials to install permanent, monument ("stick-up"), monitoring wells at the Remediation Site.
- Developed monitoring wells utilizing disposable PVC bailers.
- Collected groundwater samples from each monitoring well for analysis of VOCs, PNAs, and RCRA 8 Metals. In addition, MW-1 through MW-3 were tested for PCBs.
- Performed supplemental groundwater investigation utilizing low-flow sampling technique at MW-1, MW-3, MW-4, and MW-5.
- Gauged static groundwater elevations following well equilibration.
- Surveyed monitoring wells (referenced to sea level) to calculate groundwater flow direction and gradient.

Pioneer's protocols for groundwater sampling activities and well construction details are included in Appendix C. The monitoring well locations are depicted in Figure 2.

2.4 Field Activities & Observations

2.4.1 Former Man-Made Lake Area

Pioneer advanced one (1) groundwater monitoring well (MW-1) and sixteen (16) soil borings (B-101 through B-103, B-129 through B-130, and B-134 through B-141) in the vicinity of the former man-made lake. The subsurface investigation activities in this portion of the site specifically targeted the clay soil brought in for the lake bottom and the subsequent materials used to fill-in the lake. The soil borings and monitoring well advanced in this portion of the Remediation Site did not display any elevated PID readings or other obvious field evidence of contamination. Based on historical topographic site plans versus existing grade, soil samples were preferentially collected from the depth intervals most likely related to non-native fill materials and were analyzed for VOCs, PNAs, and total RCRA 8 metals. In addition, soil samples were collected from one boring location (B-129, B-129B, and B-129C; advanced immediately adjacent to each other) and analyzed for Target Compound List (TCL) parameters and waste scan parameters, including analysis for TCLP metals. Groundwater was analyzed for VOCs, PNAs, total RCRA 8 metals, and PCBs.

2.4.2 Former Administration Building (#1)

Pioneer advanced one (1) groundwater monitoring well (MW-2) and eight (8) soil borings (B-104 through B-109, and B-133) at the former Administration Building in order to determine whether the Remediation Site has been impacted by the RECs (coal-fired boilers, coal storage house, electrical power-generating "dynamamos," Oil and Disinfecting houses, and manufactured gas plant) identified in this portion of the site. Based on the location of the potential source areas (i.e., basement of the Administration Building) noted on historical documents, soil samples were preferentially collected from depth intervals related to the estimated elevation of the former basement. None of the soil borings advanced to assess this area displayed any elevated PID readings or other obvious field evidence of contamination. Soil samples were analyzed for VOCs, SVOCs, total RCRA 8 metals, phenols, total cyanide, and PCBs. In addition, soil samples were collected from one boring location (B-107 and B-107B; advanced immediately adjacent to each other) and analyzed for TCL parameters. Groundwater was analyzed for VOCs, PNAs, total RCRA 8 metals, and PCBs.

2.4.3 Former 50,000-Gallon Heating Oil AST

Pioneer advanced two (2) soil borings (B-114 and B-115) at the former location of the 50,000-gallon heating oil AST in order to determine whether this portion of the Remediation Site had been impacted by this REC. No visual evidence of contamination and no obvious odors or elevated PID readings were identified in the borings during field screening activities. Based on the former location of the potential source area (i.e., aboveground storage tank), soil samples were preferentially collected from shallow depth intervals and were analyzed for BTEX and PNAs.

2.4.4 Coal and PCB Transformer Storage Area

Pioneer advanced six (6) soil borings (B-116 through B-118, and B-142 through B-144) at the former coal storage area in order to determine whether the historic storage of coal and/or old transformers were a source for subsurface contamination on the Remediation Site. No visual evidence of contamination and no obvious odors or elevated PID readings were identified in any of the borings during the field screening activities. Based on the former location of the potential source areas, soil samples were preferentially collected from shallow depth intervals likely to be impacted by a surface release. Soil samples were analyzed for PNAs and PCBs. In addition, one sample was analyzed for total RCRA 8 metals.

2.4.5 Historical Chloroethylene Use (Laundry Buildings)

Pioneer advanced five (5) soil borings (B-110, B-123 through B-126, and B-132) adjacent to the "Old" and "New" Laundry buildings in order to determine whether the historic use of chloroethylene, including drums of waste chloroethylene, may have impacted the subsurface soils on the Remediation Site. In addition, one soil boring was completed adjacent to the two bulging, unlabeled (contents unknown), 55-gallon drums to the south of the "New" Laundry building. No visual evidence of contamination and no obvious odors or elevated PID readings were identified in any of the borings during the field screening activities. Soil samples were collected and analyzed for VOCs.

2.4.6 Existing UST Systems

One (1) groundwater monitoring well and six (6) soil borings (B-119 through B-122, B-127, and B-128) were advanced near the two 1,000-gallon (one gasoline and one diesel) USTs located in the southwest corner of the Remediation Site. Elevated PID readings and slight petroleum odors were noted at boring B-122 at a depth of 12 to 18 feet BSG.

No other borings were noted to contain elevated PID readings, visual evidence of contamination, or obvious petroleum odors. Soil samples were preferentially collected from the most-likely impacted depth interval, based on field observations and PID readings, and were analyzed for BTEX and PNAs. Groundwater was analyzed for VOCs, PNAs, total RCRA 8 metals, and PCBs.

2.4.7 Former Locations of Suspected PCB Transformers

Five (5) soil borings (B-110 through B-113, and B-123) were advanced by Pioneer at the former locations of suspected PCB transformers. No visual evidence of contamination and no obvious odors or elevated PID readings were identified in any of the borings during the field screening activities. Soil samples were analyzed for PCBs.

2.4.8 General Site Coverage

Pioneer advanced numerous geotechnical soil borings to determine the physical characteristics of the subsurface soils prior to redevelopment of the Remediation Site. In order to provide additional environmental data and general site coverage, nineteen geotechnical soil borings were field screened and/or sampled for analysis. No visual evidence of contamination and no obvious odors or elevated PID readings were identified in any of the borings during the field screening activities. Soil samples were analyzed for VOCs, PNAs, and total RCRA 8 metals. In addition, one sample was collected from one boring location (B-54) and analyzed for TCL parameters. Two (2) groundwater monitoring wells (MW-4 and MW-5) were also installed for general site coverage. Groundwater samples were analyzed for VOCs, PNAs, and total RCRA 8 metals.

2.5 Site Geology

The topography of the Remediation Site varies from approximately 760 feet above sea level along the western portion of the site to approximately 730 feet above sea level in a depression at the southeast corner of the property. The soil borings were advanced through topsoil or asphalt pavement to approximately one to two feet BSG. Native soils underlying the surface materials generally consisted of brown silt or silty clay (discontinuous across the site; approximately 6 to 12 feet thick, where present) with trace sand and gravel. Silt and silty clay soils (or surface soils, where discontinuous) were underlain by medium to coarse-grained sand and gravel to the boring terminus.

The geologic materials encountered at the site were compared to the descriptions provided on the Illinois State Geological Survey (ISGS) map dated 1984 and titled *Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Wastes*, by Berg, Richard C. et al., and the ISGS map dated 1970 and titled *Surficial Geology of the Chicago Region* by Willman and Lineback. According to the USGS topographic maps, the subject site is located in the southeast 1/4 of Section 23, Township 41 North, Range 8 East of the Third Principal Meridian in the Elgin Quadrangle. The site is situated on sediments of the Carmi Member of the Equality Formation and the Mackinaw Member of the Henry Formation. The Carmi Member is described as largely quiet-water lake sediments, dominantly well-bedded silt. The Mackinaw Member is described as sand and gravel, generally well sorted and evenly bedded. According to the "Stack-Unit" map, the Equality Formation in this area is discontinuous, generally less than 20 feet in thickness, and is underlain by the Henry Formation. The Henry Formation in this area is continuous and generally greater than approximately 20 feet in thickness.

Plate 1 of the ISGS Circular, *Potential for Contamination of Shallow Aquifers in Illinois*, indicates that the subject site is located in an area with "A2"-type soils (Berg, Richard C., et al 1984). An "A2" classification is described as thick, permeable sand and gravel within 20 feet of the land surface. Copies of the ISGS maps are included in Appendix E.

The soils encountered at the Remediation Site suggest that these sediments are native soils and laterally extensive. Complete listings of the geological conditions encountered during drilling are provided on the soil boring logs in Appendix C.

2.6 Site Hydrogeology

During the soil sampling activities, groundwater was generally observed at depths ranging from 26 to 50 feet BSG. As shown in Table 2.6 (on the following page), data collected from the monitoring wells demonstrated that groundwater is present at an elevation between 700 and 716 feet above sea level. Based on the groundwater elevations observed at the site, Pioneer determined that the groundwater exhibits an easterly component of flow with a hydraulic gradient of approximately 0.006 ft/ft. Seasonal and yearly fluctuations in the groundwater table can significantly influence flow directions and groundwater movement. Based on the nature of the sediments identified at the site, it is likely that the groundwater encountered is in an unconfined state.

Table 2.6
Groundwater Monitoring Well Elevation Data
August 30, 2004

<i>Groundwater Monitoring Well</i>	<i>Top of Inner Casing</i>	<i>Depth to Water</i>	<i>Groundwater Elevation</i>
MW-1	734.91'	26.01'	708.90'
MW-2	760.12'	49.98'	710.14'
MW-3	750.23'	33.77'	716.46'
MW-4	734.41'	32.45'	701.96'
MW-5	737.85'	27.11'	710.74'

Notes: Elevation data referenced to sea level

Based on the soil type (medium to coarse-grained sand and gravel) encountered during the monitoring well installations, the expected hydraulic conductivity range value was assumed to be between 1×10^{-3} and 1×10^{-1} cm/sec (Fetter).

3.0 TIER 1 EVALUATION

3.1 Analytical Results - Introduction

For purposes of Pioneer's assessment work and consistent with standard industry practice, the analytical results are compared to the most stringent soil remediation objectives for industrial/commercial property (Tier 1 SROs) and groundwater remediation objectives (Tier 1 GROs), found in 35 Illinois Administrative Code (IAC) Part 742 (Tiered Approach to Corrective Action Objectives). The Tier 1 SROs and GROs represent baseline contaminant concentrations that are acceptable to the Illinois Environmental Protection Agency (IEPA).

These Tier 1 SROs are based on a risk assessment that incorporates a conservative exposure scenario and yields values relative to three primary exposure pathways, namely ingestion, inhalation, and the soil component of the groundwater ingestion exposure route (migration to groundwater). The migration to groundwater route is further divided into Class I and Class II groundwater designations, and the Tier 1 GROs are also divided into Class I and Class II groundwater designations. When assessing risk concerns based on industrial/commercial scenarios, two populations require consideration based on potential duration and extent of exposure: ingestion and/or inhalation by common site occupants, referred to as "industrial/commercial workers," and ingestion and/or inhalation by "construction workers."

Pursuant to the Part 742 regulations, the values for each of the exposure pathways must be presented for matters of comparison and the most stringent is used as the remediation objective for a particular contaminant; although, these Tier 1 SROs and GROs may not represent *final* remediation objectives for the Remediation Site.

It should be further noted that the Electric Power Research Institute (EPRI), released their *Final Report on Background PAHs in Surface Soil in Illinois* (PNA-background study). The PNA-background study identified ambient PNA levels within Metropolitan Statistical Areas (MSAs)

and utilized a statistical approach to calculate background levels of PNAs in surficial soils. The statistical analyses were intended to comply with the requirements of TACO and the PNA levels developed were meant to serve as background values that may be used instead of the existing Tier 1 SROs for specific PNAs at sites located within MSAs. According to the Illinois EPA, the use of these background PNA levels is now acceptable for sites within MSAs under a Tier 3 evaluation pursuant to Section 742.920. Therefore, the soil sample analytical results for the PNAs were also compared to these background objectives as part of the initial screening process.

3.2 Tier 1 Evaluation - Soil

Pioneer collected and analyzed the following: 31 soil samples for VOCs; 39 soil samples for PNAs; 26 soil samples for total RCRA 8 metals; 8 soil samples for SVOCs; 6 soil samples for phenols and cyanide; 19 soil samples for PCBs; 3 soil samples for pesticides and inorganics; and 8 soil samples for BTEX. The analytical results indicated that benzo(a)pyrene was detected at a concentration above the most stringent Tier 1 SROs in 1 soil sample analyzed from the Remediation Site. Benzo(a)pyrene was detected at a concentration that exceeded the Tier 1 SRO for industrial/commercial ingestion in the area of the former man-made lake in sample B-129 (3'-6'); however, this concentration is less than the corresponding PNA "background" value, which the Illinois EPA allows for matters of comparison. It should be noted that elevated detection limits were reported for one sample (B-130[3'-6']); therefore, naphthalene and benzo(a)anthracene *may* be present in these samples at levels which exceed the most stringent Tier 1 SROs for construction worker inhalation and migration to Class I groundwater respectively. Soil samples B-131 (3'-6') and B-131 (6'-9') were analyzed for organic carbon fraction (f_{oc}) and the results yielded a f_{oc} value of 5.3% (silty clay) and 1.9% (sand and gravel).

In the absence of published Tier 1 SROs for the migration to groundwater exposure route (for many of the TCL inorganics), the detected concentrations were initially compared to the background levels provided in Section 742, Appendix A, Table G. Several inorganics (aluminum, calcium, iron, lead, magnesium, manganese, potassium, and sodium) were detected

at concentrations above the referenced background levels in samples collected from across the site (B-54, B-107B, and B-129B). However, the inorganic results were all within the range of published background concentrations provided in the IEPA Office of Chemical Safety's technical report, titled *A Summary of Selected Background Conditions for Inorganics in Soil*, dated August 1994. The background levels identified in this publication are provided in Table No. 3.

To further assess the metals concentrations at the site, the inorganics with toxic characteristic leaching procedure (TCLP) or synthetic precipitation leaching procedure (SPLP) based objectives (lead, iron, and manganese) were tested for using these methods. Specifically, the samples with the highest total metal concentrations above background levels (noted in Section 742, Appendix A, Table G) were selected for additional analysis. The analytical results were then compared to the migration to groundwater SROs provided in Part 742, Appendix B, Table B, which are based on leachable metal concentrations (expressed in $\mu\text{g/L}$). As shown in Table 7, iron and manganese exceed the migration to Class I groundwater SROs in a sample collected from boring B-54. Based on the fact that no REC source areas are known to exist or known to have previously existed near boring B-54, Pioneer believes that the contaminant levels detected at this location are due to natural background conditions.

Additional analysis was not performed for specified inorganics with no exposure-based SROs (aluminum, calcium, magnesium, potassium, and sodium). Given the published range of background concentrations for these remaining total inorganics, the absence of soil remediation objectives (i.e., total, SPLP, or TCLP based), the relative consistency in the analytical results, and the cumulative inorganic data collected to date, Pioneer believes that the detected levels of total inorganics are due to natural conditions and not attributable to a contaminant source on-site. As a result, Pioneer believes that no further assessment is required with respect to these inorganics.

Table 3.2.1 provides a summary of the compounds detected, in the soil samples collected from the Remediation Site, at concentrations exceeding the applicable Tier 1 SROs for each of the TACO exposure routes and PNA "background" values. A complete listing of the analytical results is provided in Table Nos. 1 through 9, and copies of the laboratory analytical reports are included in Appendix H. Those compounds that are not listed in Table 3.2.1 were below the applicable Tier 1 SROs or within the range of background values and, as a result, were eliminated as COCs in the soil at the site.

Table 3.2.1
Summary of COCs ⁽¹⁾ > Industrial/Commercial Tier 1 SROs or Background Levels
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

Sample ID (Depth)	Recognized: Environmental Condition	TACO Industrial/Commercial Exposure Pathways ⁽¹⁾					EPRI Background ⁽²⁾
		Migration to Class I GW	Migration to Class II GW	Ind/Com Ing.	Ind/Com Inh.	CW Ing.		CW Inh.
B-129 (3'-6')	Former Man- Made Lake			B(a)P			
B-130 (3'-6')		B(a)A				Nap.	B(a)A
B-54 (2'-4')	None - General Site Coverage	Iron, Manganese	Iron				

Notes: (1) Pursuant to the values listed in Appendix B, Table A, of 35 IAC 742 -Tiered Approach to Corrective Action Objectives.
 (2) Pursuant to Polynuclear Aromatic Hydrocarbon (PAH) Background Study for Metropolitan Statistical Areas (MSAs);
 "Final Report on Background PAHs in Surface Soil in Illinois"; prepared by the Electrical Power Research Institute.
 GW=Groundwater; Ind/Com = Industrial/Commercial, CW = Construction Worker, Ing. = Ingestion, Inh. = Inhalation,
 B(a)A = Benzo(a)anthracene, B(a)P = Benzo(a)pyrene, Nap. = Napthalene

3.3 Tier 1 Evaluation - Groundwater

Groundwater samples were collected from MW-1 through MW-5 and submitted for analysis of VOCs, PNAs, and RCRA 8 metals. In addition, groundwater samples collected from MW-1 through MW-3 were also tested for PCBs. The analytical results of the groundwater samples indicated that only chloroform (MW-4) and lead (MW-1, MW-3, and MW-5) were detected at concentrations marginally exceeding the Tier 1 GROs.

In order to determine if the compounds detected in groundwater represented the actual groundwater conditions at the site, or if they were a result of other factors (i.e., laboratory contamination, the presence of sediment in the sample, etc.), Pioneer performed additional

groundwater sampling events at the Remediation Site.

Chloroform is a common laboratory contaminant; therefore, groundwater was re-sampled from MW-4 and the analytical results indicated that no VOCs were detected at the laboratory's stated detection limits. These data confirm that the prior chloroform exceedance was a laboratory contaminant and not a result of an on-site impact. Monitoring wells MW-1, MW-3 and MW-5 were also re-sampled using low-flow techniques to determine if lead was actually present at the reported concentrations or rather a result of sediment in the original groundwater samples collected from the site. The analytical results indicated that the concentration of lead exceeded the Class I groundwater GRO in MW-5; however, in the two remaining samples the concentration of lead did not exceed the GRO for Class I groundwater. Finally, MW-4 and MW-5 were re-sampled for PNAs. Previous samples were submitted to an analytical laboratory located in Florida. Due to a power failure at the laboratory caused by Hurricane Frances, the preservation temperature of the PNA samples collected from MW-4 and MW-5 could not be maintained. The additional PNA testing at MW-4 and MW-5 revealed that no PNAs were detected above the laboratory's stated detection limits, confirming the prior results. Therefore, due to the results of the confirmation sampling, the only contaminant of concern exceeding the Tier 1 GROs for Class I groundwater was lead at MW-5. A complete listing of the groundwater analytical results is provided in Table Nos. 10 through 13. A copy of the complete laboratory analytical report is included in Appendix H.

4.0 ENDANGERMENT ASSESSMENT/REMEDIATION OBJECTIVES

4.1 Introduction

The Tier 1 evaluation indicated that certain COCs were detected at concentrations which exceeded the applicable Tier 1 SROs and GROs for industrial/commercial property use. In order to determine the appropriate level of remedial action necessary to adequately address these exceedances at the site, Pioneer performed an endangerment assessment in accordance with the procedures outlined in the TACO regulations to address the identified COCs at the Remediation Site. The approach of the endangerment assessment was to justify that impacts at the site could be allowed to remain in-place through the development of Tier 2 SROs and GROs, pursuant to Sections 742.600 and 742.805, while still being protective of human health and the environment.

4.2 Introduction to Tier 2 Evaluation

Pursuant to Section 742.600(b), the first stage of developing Tier 2 SROs in the endangerment assessment is to identify the COCs that exceed the applicable Tier 1 SROs. These COCs are identified in Table 4.2.1 below.

Table 4.2.1
COCs > Industrial/Commercial Tier 1 SROs

Benzo(a)pyrene
Benzo(a)anthracene
Napthalene

Secondly, prior to developing Tier 2 SROs, certain minimum requirements must be evaluated and satisfied. These requirements are provided below and are followed by an explanation of how they apply to the subject site.

- *For each discrete sample, the total soil contaminant concentration of either a single contaminant or multiple contaminants of concern shall not exceed the attenuation capacity of the soil as provided in Section 742.215 (Section 742.600(e)(1)).*

Pioneer calculated the sum of the maximum total (potential) organic compounds utilizing the confirmed detections and the values of the corresponding detection limits (when the compound was not detected) for each of the samples analyzed. This conservative approach is intended to account for the most severe conditions, and thereby, provides an increased level of protection. As shown in Table 4.2.2, the concentration of COCs detected on site is below the default attenuation capacity value.

Table 4.2.2
Soil Attenuation Capacity Evaluation Results

Sample	Maximum Organic Compound Concentrations (ppb)	Default Soil Attenuation Capacity (ppb) (Surface/Subsurface Soils) ⁽¹⁾
B-130(3'-6")	61,615	2,000,000/6,000,000

Notes: Parts per billion (ppb)
 (1) Pursuant to 35 IAC Part 742.215(b)(1)(A)

Therefore, based on the analytical results of the soil samples collected, the attenuation capacity has not been exceeded and this requirement has been satisfied for the samples analyzed from the subject site.

- *Remediation objectives for noncarcinogenic compounds which affect the same target organ, organ system or similar mode of actions shall meet the requirements of Section 742.720 (Section 742.600(e)(2)).*

Since Tier 2 values will only be calculated for benzo(a)anthracene and naphthalene and neither compound affects the same target organ, this requirement is satisfied by default.

- *The soil remediation objectives based on the inhalation and soil component of the groundwater ingestion exposure routes shall not exceed the soil saturation limit as provided in Section 742.220 (Section 742.600(e)(3)).*

Since none of the detected contaminants of concern have a melting point less than 30°C, pursuant to Section 742 Appendix A, Table A, and consist of relatively minor concentrations exceeding only the most stringent Tier 1 SROs, this requirement is satisfied by default.

Based on the above evaluation, the general requirements of Sections 742.600 have been satisfied. Therefore, the Tier 2 evaluation procedures for soil are allowable for this site.

4.3 Tier 2 Evaluation-Soil

Based on the Tier 1 evaluation (Table 3.2), benzo(a)anthracene and naphthalene were detected above the applicable Tier 1 SROs at one location. To address the exceedances, Pioneer developed site-specific Tier 2 SROs, pursuant to Section 742.600. The Tier 2 SROs were developed in an effort to eliminate certain compounds from the list of COCs by calculating higher, yet acceptable remediation objectives for the soil component of the migration to Class I groundwater and construction worker inhalation pathways. Pursuant to Subparts F and G of the Part 742 regulations, Tier 2 SROs may be developed utilizing site specific information and are considered to be equally protective of human health and the environment even though they are less stringent than the more conservative Tier 1 SROs.

Pioneer utilized a site-specific fractional organic carbon (f_{oc}) value to calculate Tier 2 SROs utilizing Soil Screening Level (SSL) Equations S5 and S17. All of the remaining values used in the calculations were default parameters, as provided in 35 IAC Part 742.

The f_{oc} values of 5.3% or 0.053 g/g (B-131[3'-6']) and 1.9% or 0.019 g/g (B-131[6'-9']) (Appendix H) were measured in samples collected from a clean area based on headspace screening results and analytical results. In order to create a more conservative model, Pioneer utilized the 1.9% value for f_{oc} ; however, before Pioneer utilized this fractional carbon value in

TACO calculations, a conversion factor of 0.58 was applied pursuant to recent IEPA guidelines. The resulting fractional organic carbon value of 1.1% or 0.011 g/g was utilized for all subsequent modeling.

Tier 2 SROs were generated for the soil component of the migration to Class I groundwater and construction worker inhalation pathways utilizing spreadsheets created by Pioneer. The contaminants of concern detected at the site were then compared to the Tier 2 SRO as indicated in Table 4.3. A copy of the appropriate Tier 2 Data Worksheets containing the calculated Tier 2 SROs are provided in Appendix G.

Table 4.3
Targeted COCs
Compared to Industrial/Commercial Tier 2 SROs

Analyte	B-130 (3'-6')	Tier 2 Construction Worker Inhalation	Tier 2 Soil Component of Groundwater Ingestion Exposure Route SROs
			Class I
Benzo(a)anthracene	< 4,200*	--	8,340
Napthalene	< 4,200*	11,404	--

Notes: Results listed in ppb (parts per billion)

* = Sample exhibited elevated detection limits; therefore compounds may exceed Tier 1 SROs

"--" = Indicates value was not calculated because compound did not exceed Tier 1 SRO

As indicated in Table 4.3, it has been demonstrated that the potential concentrations of benzo(a)anthracene and naphthalene remaining in the soil achieve the Tier 2 SROs for construction worker inhalation and the soil component of the migration to Class I groundwater pathway and consequently, do not represent a threat human health or the environment.

As a note, Tier 2 SROs were not developed for the industrial/commercial ingestion pathway exceedance of benzo(a)pyrene; therefore, another level of endangerment assessment was conducted, as discussed in Section 4.5 of this report.

4.4 Tier 2 Evaluation – Groundwater

The groundwater analytical results indicated that lead was the only targeted compound detected at a concentration above the Tier 1 GROs for Class I groundwater. Pioneer performed a Tier 2 groundwater evaluation, pursuant to 35 IAC 742.805, to develop a location-specific groundwater remediation objective for lead.

Pioneer utilized the detected groundwater concentration of lead and other site-specific data to calculate a Tier 2 GRO for Class I groundwater. The Tier 2 GRO was developed utilizing Equation R-26 to determine allowable source area concentrations that would still achieve the Tier 1 GRO for Class I groundwater at the applicable compliance point. An institutional control, in the form of a site-specific groundwater use restriction, will be utilized to eliminate potential exposure points on the Remediation Site.

Equation R26 requires site-specific input values including hydraulic conductivity, hydraulic gradient and the width of the source perpendicular to the direction of groundwater flow. Site-specific input values and default values required for Equation R26 are described in Table 4.4.1 below. The Equation R26 calculations, input values, and intermediate solutions are also provided on a spreadsheet in Appendix G.

Table 4.4.1
Equation R26 Variables and Values

<i>Variable</i>	<i>Value</i>	<i>Source</i>
Hydraulic Conductivity (K)	1.0×10^{-3} cm/sec	Conservative estimate based on site geology (see Section 2.5)
Hydraulic Gradient (i)	0.006 ft/ft	Well survey data (see Section 2.6)
Source Width Perpendicular to Groundwater Flow Direction (Horizontal Plane)	80 feet	Measured from Figure 3
Source Width Perpendicular to Groundwater Flow Direction (Vertical Plane)	200 cm	Subsurface Default Value; Part 742, Appendix C, Table D
Volumetric Water Content in Vadose Zone Soils	$0.3 \text{ cm}^3_{\text{water}}/\text{cm}^3_{\text{soil}}$	Subsurface Default Value; Part 742, Appendix C, Table D
Volumetric Air Content in Vadose Zone Soils	$0.13 \text{ cm}^3_{\text{air}}/\text{cm}^3_{\text{soil}}$	Subsurface Default Value; Part 742, Appendix C, Table D
Total Soil Porosity	$0.43 \text{ cm}^3/\text{cm}^3_{\text{soil}}$	Default Value; Part 742, Appendix C, Table D

The nearest point of potential human contact is the western property boundary, which is 360 feet beyond the source area. Figure 3 depicts the source area and the proximity to the nearest exposure point. Pioneer "back-calculated" the maximum allowable groundwater source area concentration that will meet the Tier 1 GROs for Class I groundwater at the western property boundary. Pioneer utilized the "back-calculated" maximum allowable groundwater concentrations for lead (see Table 4.4.2) as the Tier 2 GRO in the following evaluation.

Table 4.4.2
Tier 2 GRO Calculated for Lead

<i>COC</i>	<i>Maximum Detected Groundwater Concentration (µg/L)</i>	<i>Tier 2 GRO for Class I Groundwater (µg/L)</i>
Lead	14	156

In order to allow the use of the Tier 2 GRO developed above, certain minimum criteria must first be met, pursuant to Section 742.805. These requirements are provided below and are followed by an explanation of how they apply to the Remediation Site.

- *The horizontal and vertical extent of groundwater for which the Tier 2 GROs are sought must be identified, pursuant to Section 742.805(a)(1).*

Based on the results of the subsurface investigation work, Pioneer believes the nature and extent of contamination has been sufficiently defined. Further, the results of the TACO calculations discussed above, which included the use of R-26 modeling equations to *predict* the distance at which residual contaminants detected on site would meet the Tier 1 GROs for Class I groundwater, provided additional delineation. The *predicted* distance from the specific source area at which the Targeted COC concentrations will meet the most stringent Tier 1 GROs for Class I groundwater are identified in Table 4.4.3 (on the following page). Thus, this requirement is satisfied.

- *corrective action measures must be completed to remove any free product to the maximum extent practicable, pursuant to Section 742.805(a)(2).*

Free product was not observed in the groundwater monitoring wells at the Remediation Site, therefore this requirement is met.

- *demonstrate that COCs in the groundwater will meet the applicable Tier 1 GROs at the point of human exposure, pursuant to Section 742.805(a)(3)(A) and Section 742.810.*

By utilizing an on-site groundwater restriction, the nearest point of human exposure extends to the western boundary of the Remediation Site (see Figure 3). As outlined in the following table (Table 4.4.3), the results of the R26 modeling indicate that the lead impact detected at MW-5 will meet the applicable Tier 1 GROs for Class I groundwater at the nearest point of human exposure, therefore this requirement is satisfied.

Table 4.4.3
Predicted Distance of Potential Contaminant Migration

COC	Predicted Distance from Source Area to Class I GROs (feet)	Distance from Source Area to Closest Point of Exposure (feet)
Lead	83	360

- *demonstrate that the concentration of any COC in the groundwater within the minimum or designated maximum setback zone of an existing potable water supply well will meet the applicable Tier 1 groundwater remediation objective, pursuant to Section 742.805(a)(4);*

Pioneer contacted multiple state and local authorities in an attempt to locate potable water wells in the area of the subject property. A review of the available records revealed the presence of several potable wells (Appendix F), including wells located on-site. Based on a discussion with on-site maintenance personnel, the documented on-site wells are no longer in use and the Remediation Site obtains water from the City of Elgin. The nearest off-site potable wells are located at least 1,600 feet from the source area (MW-5). Based on Title IV, Section 14 of the Environmental Protection Act, the minimum setback zone for potable wells is 200 feet and 400 feet for private and community wells, respectively. Thus, the Remediation Site is not located within the minimum setback zone of a potable water well.

- *demonstrate that the concentration of any COC in groundwater discharging to a surface water will meet the applicable surface water quality standard under 35 IAC 302, pursuant to Section 742805(a)(5);*

There are no surface waters located on the Remediation Site. According to a 1993 USGS 7.5 Minute Topographic Map of the area, the nearest surface water body is the Fox River located approximately 1,600 feet southeast of the Remediation Site. Based on the results of the TACO R-26 modeling (Appendix G) and as previously discussed, the concentration of lead will meet the applicable Tier 1 GROs at the Remediation Site. Therefore, this requirement has been satisfied.

- *demonstrate that the source of the release is not located within the minimum or designated maximum setback zone or within a regulated recharge area of a potable water supply well, pursuant to Section 742.805(a)(6);*

As mentioned, the minimum setback zone for most potable wells is 200-400 feet and the nearest potable wells are located at least 1,600 feet from the source area (MW-5). Thus, this requirement has been satisfied.

- *demonstrate that the Tier 2 GROs do not exceed the water solubility for each of the identified COCs, pursuant to Section 742.805(b);*

The solubility of lead in water is not provided in Appendix C, Table E of the Part 742 regulations; however, the following table compares the Tier 2 GRO for lead to the published water solubility value.

Table 4.4.4
Tier 2 GROs Compared to Chemical-Specific Solubility in Water

COC	Tier 2 GRO (µg/L)	Solubility in Water (µg/L)
Lead	156	9,581,000*

Note: * = solubility listed as "lead and compounds" from The Risk Assessment Information System

As shown above, the requested Tier 2 GRO for lead does not exceed the corresponding water solubility value. Therefore, this requirement has been satisfied.

- *demonstrate for mixtures of similar acting chemicals that the weighted average evaluation has been satisfied for Class I groundwater at the point of human exposure, pursuant to Section 742.805(c)(1);*

Pioneer developed a Tier 2 GRO value only for lead, therefore this requirement is satisfied by default.

- *demonstrate for mixtures of similar acting chemicals that the cumulative risk from any COC listed in Appendix A, Table H and any COC in groundwater and listed in Appendix A, Table F of the Part 742 regulations and affecting the same target organ(s) does not exceed 1 in 10,000, pursuant to Section 742.805(d);*

Pioneer developed a Tier 2 GRO value only for lead, therefore this requirement is satisfied by default.

Based on the above evaluation, the general requirements of Sections 742.805 have been satisfied and the Tier 2 evaluation procedures for groundwater are allowable for this site. Therefore, Pioneer requests that a Tier 2 GRO of 156 ppb be approved for lead for the source area at MW-5 (see Figure 3), which eliminates lead as a COC at the Remediation Site.

4.5 Tier 3 Evaluation

Pursuant to Section 742.900(c)(5), a Tier 3 evaluation may be used as a request for site-specific remediation objectives because an assessment indicates further remediation is not practical. As indicated in Table No. 3.2.1, the concentration of benzo(a)pyrene exceeded the Tier 1 SRO for the industrial/commercial soil ingestion pathway in soil sample B-129(3'-6'); however, the concentration was less than the established background concentration as presented in the report *Final Report on Background PAHs in Surface Soil in Illinois*, prepared by the Electric Power Research Institute (EPRI). The investigation summarized in the EPRI report used a statistically valid sample set to determine the levels of various PNA compounds that can be found in surface soil within Metropolitan Statistical Areas (MSAs) in Illinois. The Remediation Applicant wishes to utilize the published background levels of PNAs in the EPRI report to establish a site-specific SRO for benzo(a)pyrene.

4.5.1 Impractical Remediation

Pursuant to Section 742.920, certain minimum requirements must be evaluated in order to request site-specific remediation objectives based on impracticality of remediation. These requirements are presented below and are followed by an explanation of how they apply to the subject site.

- *the reason why the remediation is impractical (Section 742.920(a));*

As indicated in Table No. 3.2.1, soil sample B-129(3'-6') contains a concentration of benzo(a)pyrene greater than the Tier 1 SRO for the industrial/commercial soil ingestion pathway, but *less than* background concentrations as determined by EPRI. Remediation of benzo(a)pyrene identified in B-129 is impractical because it may not be possible to distinguish background levels of PNAs from the PNAs that may be present due to the creation of the man-made lake.

- *the extent of contamination (Section 742.920(b));*

Based on the available data and published background concentrations, the extent of PNA contamination has been defined through the advancement of surrounding soil borings and using the background levels for MSAs.

- *geology, including soil types (Section 742.920(c));*

The geology of the Remediation Site was discussed in Section 2.5.

- *the potential impact to groundwater (Section 742.920(d));*

There is no potential impact to groundwater as the identified concentration of benzo(a)pyrene is less than the Tier 1 SRO for migration to Class I groundwater. In addition, Pioneer submitted multiple groundwater samples for PNA analysis. The

analytical results confirmed that all PNAs were below the stated laboratory detection limits (Table 12).

- *results and locations of sampling events (Section 742.920(e));*

The boring locations are shown on Figure 2, and the PNA laboratory results can be found in Table Nos. 3 and 12.

- *map of the area, including all utilities and structures (Section 742.920(f)); and*

A site base map is included as Figure 4.

- *present and post-remediation uses of the area of contamination, including human receptors at risk (Section 742.920(g)).*

The area of the PNA exceedance (B-129) is located at an unimproved portion of the Remediation Site. The Remediation Site is currently unoccupied (former mental health center); however, future tenants will consist of industrial/commercial businesses. Human receptors potentially at risk would consist of employees of future businesses located at the Remediation Site.

As a result of the above information, Pioneer requests the establishment of the background concentration for benzo(a)pyrene (2,100 ppb) as determined by EPRI as a site-specific SRO for the industrial/commercial soil ingestion exposure route. This eliminates benzo(a)pyrene as a COC at the Remediation Site.

5.0 SUMMARY & CONCLUSIONS

Pioneer Engineering & Environmental Services, Inc. (Pioneer) was contracted by John B. Sanfilippo and Son, Inc. (Remediation Applicant) to perform: 1) a review of a *Phase I Environmental Site Assessment* (Phase I ESA), dated April 13, 2004 and prepared by Terracon Consulting Engineers and Scientists (Terracon); 2) the performance of a subsurface investigation to determine if the Remediation Site had been impacted by the Recognized Environmental Conditions (RECs) noted in Terracon's Phase I ESA and other potential RECs observed by Pioneer; 3) an evaluation of the site's contaminant conditions in accordance with the state's Tiered Approach to Corrective Action Objectives (TACO) regulations; and 4) the preparation and submittal of the prescribed Illinois EPA (IEPA) forms and closure reporting documentation. in connection with the subject property located at the southwest corner of Route 20 and Route 31 in Elgin, Illinois (Figure 1). A total of 67 soil borings and five groundwater monitoring wells have been installed and a total of 56 soil samples and 12 groundwater samples have been analyzed from the Remediation Site as part of the subsurface investigation performed by Pioneer. Based on the cumulative data of the subsurface investigations, Pioneer believes the nature and extent of contamination has been adequately characterized.

Based on the remediation objectives determination, Pioneer believes it has been sufficiently demonstrated that the risk associated with the residual contamination identified at the Remediation Site can be adequately managed in-place and does not represent a threat to human health or the environment. Pioneer concludes that the Remediation Site warrants no further investigation and the issuance of a Comprehensive NFR Letter pursuant to 35 IAC Part 740.420 and 415 ILCS 5/58.10 as acknowledgment of formal site closure. Based on our evaluation, Pioneer believes the NFR letter will include the following conditions and institutional controls:

- the Remediation Site will have an industrial/commercial land use restriction;
- an institutional control, in the form of the NFR Letter for the site, will be utilized to prohibit the potable use of groundwater at the Remediation Site; and

- any contaminated soil or groundwater that is removed, excavated, or disturbed from the subject property must be handled in accordance with applicable laws and regulations.

The NFR Letter shall be recorded as a permanent part of the chain of title for the subject property and serve as an appropriate institutional control.

6.0 CLOSING REMARKS

This report has been prepared for evaluation by the Illinois EPA, and for the sole use of the Client identified in the report, and cannot be relied upon by other persons or entities without the joint permission of the Client and Pioneer. The observations and conclusions contained herein are limited by the scope and intent of the work mutually agreed upon by the Client and Pioneer and the work actually performed. There are no warranties, implied or expressed, concerning the environmental integrity of areas and/or mediums not analytically tested.

7.0 REFERENCES

- American Society for Testing and Materials. 1984. "Standard Method for Penetration Test and Split-Barrel Sampling of Soils". (ASTM D1586). Reprinted from Annual Book of ASTM Standards, Vol. 04.08.
- Berg, Richard C. et al. 1984. Potential for Contamination of Shallow Aquifers in Illinois. Illinois State Geological Survey Circular 532.
- Berg, Richard C. and Kempton, John P. 1988. Stack-unit Mapping of Geologic Materials in Illinois to a Depth of 15 Meters. Illinois State Geological Survey Circular 542.
- Fetter, C.W. Jr., 1980. *Applied Hydrogeology*. University of Wisconsin, Oshkosh.
- Illinois Pollution Control Board. 1997. Site Remediation Program. Title 35 Illinois Administrative Code Part 740. Springfield, IL.
- Illinois Pollution Control Board. 1997. Tiered Approach to Corrective Action Objectives. Title 35 Illinois Administrative Code Part 742. Springfield, IL.
- Willman, H.B. *Summary of the Geology of the Chicago Area*. Illinois State Geological Survey Circular 460, 1971.

FIGURES

Figure 1: Site Diagram

Figure 2: Soil Boring and Monitoring Well Locations

Figure 3: Predicted Extent of Lead Migration in Groundwater

Figure 4: Site Base Map

SEE LARGE FORMAT MAP OR PLAN SHEET

0894385115 31A
ELGIN MHC
11-23-2005

DESCRIPTION:

(A) SITE Diagram

(B) SOIL BORING AND MONITORING WELL LOCATIONS

(C) PREDICTED EXTENT OF LEAD MIGRATION IN GROUND WATER

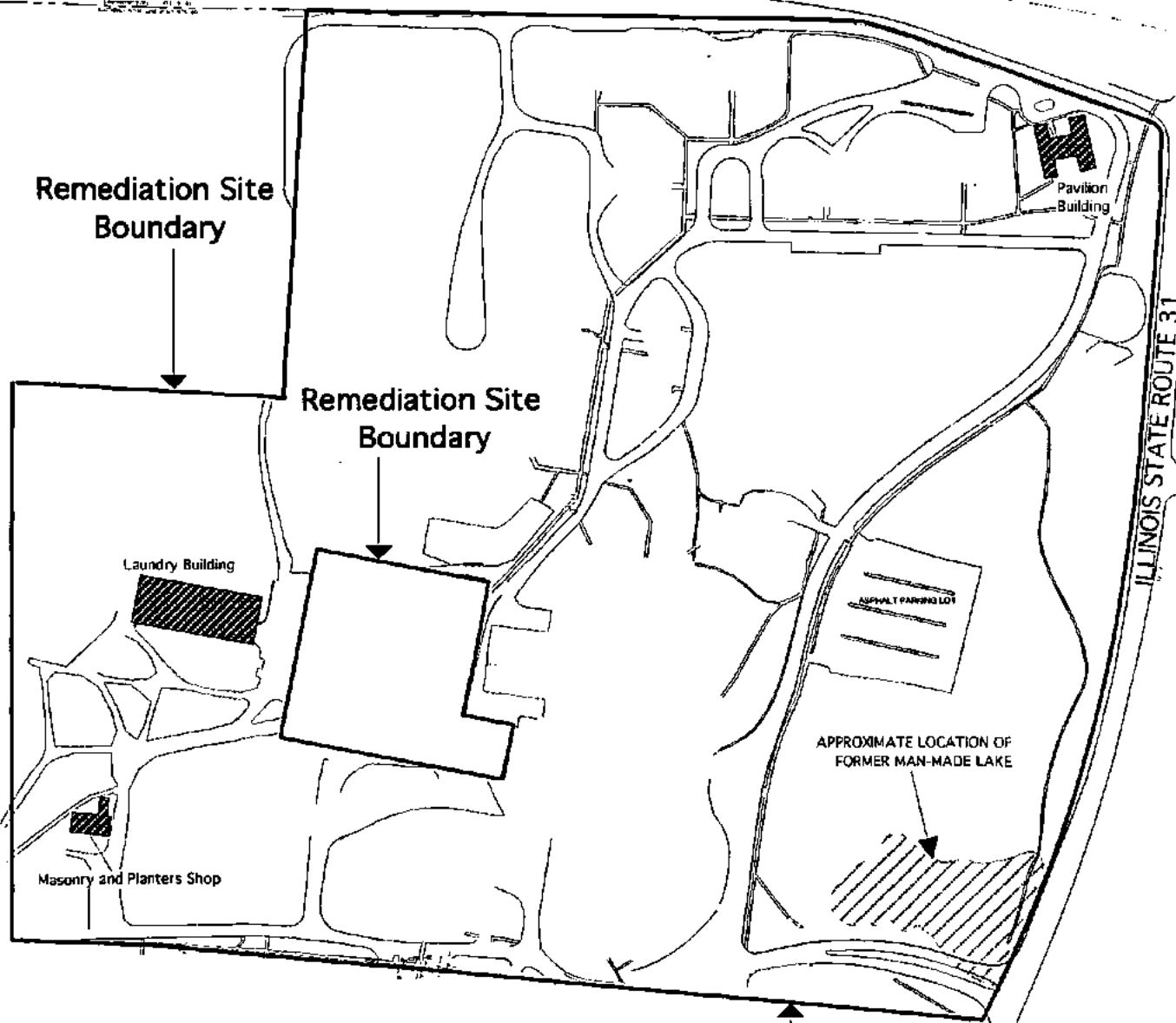
Site Base Map
ILD# _____ - Kane
Elgin/Elgin Mental Health Center
Site Remediation/Technical Reports



Figure 4: Site Base Map SWC of Route 20 and Route 31 Elgin, IL	
Scale:	1" = 350'
Drawn by:	Anatolij Strangar
Job No.:	04-1211-101
Date:	November 2002
Checked by:	J. McClelland
PIONEER Engineering & Environmental Services, Inc.	

U.S. ROUTE 20

ILLINOIS STATE ROUTE 31



Remediation Site Boundary

Remediation Site Boundary

Remediation Site Boundary

Legal Description:
See Attached Page

Property Index Numbers:
See Attached Page

ALTA Commitment
Schedule C

File No.: NCS-90286-CHI1

Legal Description:

THAT PART OF THE SOUTHEAST QUARTER OF SECTION 23, TOWNSHIP 41 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE INTERSECTION OF THE WEST LINE OF THE AFORESAID SOUTHEAST QUARTER OF SECTION 23 WITH THE SOUTHERLY RIGHT OF WAY LINE OF THE U.S. ROUTE 20 BY-PASS; THENCE SOUTH 00 DEGREES 09 MINUTES 40 SECONDS WEST, ALONG AFORESAID WEST LINE OF THE SOUTHEAST QUARTER, A DISTANCE OF 797.77 FEET FOR THE POINT OF BEGINNING, THENCE SOUTH 86 DEGREES 33 MINUTES 51 SECONDS EAST, A DISTANCE OF 564.68 FEET; THENCE NORTH 03 DEGREES 31 MINUTES 48 SECONDS EAST, A DISTANCE OF 820.00 FEET TO THE AFORESAID SOUTHERLY RIGHT OF WAY LINE OF U.S. ROUTE 20 BY-PASS; THENCE SOUTH 88 DEGREES 46 MINUTES 03 SECONDS EAST, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 1123.09 FEET; THENCE SOUTHEASTERLY, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, BEING ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 959.76 FEET, CHORD BEARING OF SOUTH 72 DEGREES 47 MINUTES 03 SECONDS EAST, AN ARC DISTANCE OF 208.78 FEET; THENCE SOUTH 66 DEGREES 33 MINUTES 09 SECONDS EAST, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, TANGENT TO THE LAST DESCRIBED CURVE, A DISTANCE OF 4.20 FEET; THENCE SOUTHEASTERLY, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, BEING ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 3029.48 FEET, CHORD BEARING OF SOUTH 70 DEGREES 50 MINUTES 57 SECONDS EAST, AN ARC DISTANCE OF 454.37 FEET TO THE WESTERLY RIGHT OF WAY LINE OF STATE ROUTE NO. 31; THENCE SOUTH 00 DEGREES 42 MINUTES 08 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 188.74 FEET; THENCE SOUTH 05 DEGREES 17 MINUTES 58 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 601.06 FEET; THENCE SOUTHWESTERLY, ALONG SAID WESTERLY RIGHT OF WAY LINE, BEING ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 3241.17 FEET, CHORD BEARING OF SOUTH 11 DEGREES 18 MINUTES 04 SECONDS WEST, AN ARC DISTANCE OF 679.01 FEET; THENCE SOUTH 21 DEGREES 43 MINUTES 17 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 96.27 FEET; THENCE SOUTH 20 DEGREES 14 MINUTES 40 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 68.38 FEET TO A JOG IN SAID WESTERLY LINE; THENCE NORTH 69 DEGREES 35 MINUTES 38 SECONDS WEST, ALONG SAID JOG, A DISTANCE OF 30.00 FEET; THENCE SOUTH 20 DEGREES 14 MINUTES 40 SECONDS WEST ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 20.00 FEET TO A JOG IN SAID WESTERLY RIGHT OF WAY LINE; THENCE SOUTH 69 DEGREES 35 MINUTES 38 SECONDS EAST, ALONG SAID JOG, A DISTANCE OF 30.00 FEET; THENCE SOUTH 20 DEGREES 14 MINUTES 40 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 95.40 FEET; THENCE SOUTH 40 DEGREES 51 MINUTES 13 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE A DISTANCE OF 49.38 FEET; THENCE SOUTH 65 DEGREES 11 MINUTES 41 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 27.00 FEET; THENCE SOUTH 22 DEGREES 31 MINUTES 54 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 107.73 FEET; THENCE SOUTH 28 DEGREES 49 MINUTES 52 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 32.11 FEET; THENCE NORTH 84 DEGREES 37 MINUTES 06 SECONDS WEST, A DISTANCE OF 1110.23 FEET TO A POINT HEREAFTER REFERRED TO AS POINT "A"; THENCE CONTINUING NORTH 84 DEGREES 37 MINUTES 06 SECONDS WEST, A DISTANCE OF 557.75 FEET; THENCE NORTH 86 DEGREES 41 MINUTES 37 SECONDS WEST, A DISTANCE OF 344.06 FEET TO THE AFORESAID WEST LINE OF THE SOUTHEAST QUARTER OF SECTION 23; THENCE NORTH 00 DEGREES 09 MINUTES 40 SECONDS EAST, ALONG SAID WEST LINE, A DISTANCE OF 1165.55 FEET TO THE POINT OF BEGINNING, EXCEPTING THEREFROM THAT PART OF AFORESAID SOUTHEAST QUARTER OF SECTION 23 DESCRIBED AS FOLLOWS: COMMENCING AT THE AFORESAID POINT "A"; THENCE NORTH 05 DEGREES 22 MINUTES 54 SECONDS EAST, A DISTANCE OF 422.29 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 78.58 FEET FOR THE POINT OF BEGINNING OF EXCEPTION; THENCE NORTH 79 DEGREES 01 MINUTES 05 SECONDS WEST, ALONG THE LAST DESCRIBED COURSE AND SAID LINE EXTENDED WESTERLY, A DISTANCE OF 461.30 FEET; THENCE NORTH 10 DEGREES 58 MINUTES 55 SECONDS EAST, A DISTANCE OF 394.97 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 357.62 FEET; THENCE SOUTH 10 DEGREES 58 MINUTES 55 SECONDS WEST, A DISTANCE OF 284.28 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 103.68 FEET; THENCE

SOUTH 10 DEGREES 58 MINUTES 55 SECONDS WEST, A DISTANCE OF 110.70 FEET TO THE POINT OF BEGINNING, CONTAINING 90.00 ACRES MORE OR LESS. ALSO A 66.00 FOOT WIDE INGRESS, EGRESS, AND UTILITY EASEMENT OVER THAT PART OF AFORESAID SOUTHEAST QUARTER OF SECTION 23 DESCRIBED AS FOLLOWS: BEGINNING AT AFORESAID POINT "A"; THENCE NORTH 05 DEGREES 22 MINUTES 54 SECONDS EAST, A DISTANCE OF 422.29 FEET; THENCE NORTH 79 DEGREES 01 MINUTES 05 SECONDS WEST, A DISTANCE OF 66.32 FEET; THENCE SOUTH 05 DEGREES 22 MINUTES 54 SECONDS WEST, A DISTANCE OF 428.76 FEET TO THE INTERSECTION WITH A LINE THAT BEARS NORTH 86 DEGREES 41 MINUTES 37 SECONDS WEST FROM THE POINT OF BEGINNING OF SAID EASEMENT; THENCE SOUTH 86 DEGREES 41 MINUTES 37 SECONDS EAST, ALONG SAID LINE, A DISTANCE OF 66.00 FEET TO THE POINT OF BEGINNING OF SAID EASEMENT. SITUATED IN THE CITY OF ELGIN, KANE COUNTY, ILLINOIS AND CONTAINING 90.00 ACRES MORE OR LESS.

Tax No.: 06-23-400-002

Tax No.: 06-23-400-010

TABLES

Table No. 1:	Soil Sample Analytical Results:	Illinois Volatile Organic Compounds
Table No. 2:	Soil Sample Analytical Results:	SVOCs (Excluding PNAs)
Table No. 3:	Soil Sample Analytical Results:	PNAs
Table No. 4:	Soil Sample Analytical Results:	BTEX
Table No. 5:	Soil Sample Analytical Results:	RCRA Metals & Cyanide (with pH)
Table No. 6:	Soil Sample Analytical Results:	TCL Inorganics
Table No. 7:	Soil Sample Analytical Results:	SPLP & TCLP Metals
Table No. 8:	Soil Sample Analytical Results:	PCBs & Phenols
Table No. 9:	Soil Sample Analytical Results:	Pesticides
Table No. 10:	Groundwater Sample Analytical Results:	Illinois Volatile Organic Compounds
Table No. 11:	Groundwater Sample Analytical Results:	Total RCRA Metals
Table No. 12:	Groundwater Sample Analytical Results:	PNA Compounds
Table No. 13:	Groundwater Sample Analytical Results:	PCBs

TABLE NO. 1 (1 of 2)
Soil Sample Analytical Results: VOCs
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 | Elgin, Illinois

ANALYTE	Tier 1 Soil Remediation Objectives (Tier 1 SROs) Industrial/Commercial Property Use ^m																Soil Component of Groundwater Ingestion Exposure Route					
	Route Specific Values																Industrial-Commercial		Construction Worker		Class I	Class II
	Ingestion	Inhalation	Ingestion	Inhalation	Class I		Class II															
Date of Sample Collection	B-101 (6'-9')	B-103 (9'-12')	B-104 (9'-12')	B-105 (9'-12')	B-106 (9'-12')	B-107 (12'-15')	B-108 (9'-12')	B-109 (9'-12')	B-110 (0'-3')	B-123 (6'-9')	B-124 (9'-12')	B-125 (6'-9')	B-126 (3'-6')	B-129 (3'-6')	B-130 (3'-6')	B-132 (6'-9')	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Acetone	100	100	<84	<82	<95	<90	<88	160	<79	<89	<78	140	120	<73	240	<47	200,000,000	100,000,000	200,000,000	100,000,000	16,000	16,000
Benzene	<1.9	<1.9	3.6	<1.7	<1.9	6.5	4.1	6.3	<2.0	3.5	<1.9	<2.6	<2.0	<1.7	<2.5	<1.9	100,000	1,600	2,300,000	2,200	30	170
Bromodichloromethane	<1.9	<1.9	<1.8	<1.7	<1.9	<1.7	<1.9	<1.7	<2.0	<2.0	<1.9	<2.6	<2.0	<1.7	<2.5	<1.9	92,000	3,000,000	2,000,000	3,000,000	600	600
Bromoform	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	720,000	100,000	16,000,000	140,000	800	800
Bromomethane	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	2,900,000	15,000	1,000,000	3,900	200	1,200
2-Butanone (MEK)	<47	<48	<44	<42	<48	<42	<48	<42	<51	<49	<48	<64	<50	<43	<63	<47	--	--	--	--	--	--
Carbon disulfide	<47	<48	<44	<42	<48	<42	<48	<42	<51	<49	<48	<64	<50	<43	<63	<47	200,000,000	720,000	20,000,000	9,000	32,000	160,000
Carbon tetrachloride	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	44,000	640	410,000	900	70	330
Chlorobenzene	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	41,000,000	210,000	4,100,000	1,300	1,000	6,500
Chloroethane	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	--	--	--	--	--	--
Chloroform	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	940,000	540	2,000,000	760	600	2,900
Chloromethane	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	--	--	--	--	--	--
Dibromochloromethane	<1.9	<1.9	<1.8	<1.7	<1.9	<1.7	<1.9	<1.7	<2.0	<2.0	<1.9	<2.6	<2.0	<1.7	<2.5	<1.9	41,000,000	1,300,000	41,000,000	1,300,000	400	400
1,1-Dichloroethane	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	200,000,000	1,700,000	200,000,000	130,000	23,000	110,000
1,1-Dichloroethene	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	18,000,000	1,500,000	1,800,000	300,000	60	300
1,2-Dichloroethane	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	63,000	700	1,400,000	990	20	100
1,2-Dichloropropane	<1.9	<1.9	<1.8	<1.7	<1.9	<1.7	<1.9	<1.7	<2.0	<2.0	<1.9	<2.6	<2.0	<1.7	<2.5	<1.9	84,000	23,000	1,800,000	500	30	150
cis-1,2-Dichloroethene	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	20,000,000	1,200,000	20,000,000	1,200,000	400	1,100
trans-1,2-Dichloroethene	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	41,000,000	3,100,000	41,000,000	3,100,000	700	3,400
cis-1,3-Dichloropropene	<1.9	<1.9	<1.8	<1.7	<1.9	<1.7	<1.9	<1.7	<2.0	<2.0	<1.9	<2.6	<2.0	<1.7	<2.5	<1.9	57,000	2,100	1,200,000	390	4	20
trans-1,3-Dichloropropene	<1.9	<1.9	<1.8	<1.7	<1.9	<1.7	<1.9	<1.7	<2.0	<2.0	<1.9	<2.6	<2.0	<1.7	<2.5	<1.9	57,000	2,100	1,200,000	390	4	20
Ethylbenzene	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	200,000,000	400,000	20,000,000	58,000	13,000	19,000
2-Hexanone	<47	<48	<44	<42	<48	<42	<48	<42	<51	<49	<48	<64	<50	<43	<63	<47	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)	<47	<48	<44	<42	<48	<42	<48	<42	<51	<49	<48	<64	<50	<43	<63	<47	--	--	--	--	--	--
Methylene chloride	<9.4	<9.5	<8.8	<8.5	<9.6	<8.4	<9.7	<8.4	<10	<9.8	<9.6	<13	<10	<8.6	<13	<9.4	760,000	24,000	12,000,000	34,000	20	200
Methyltertiary butylether	<47	<48	<44	<42	<48	<42	<48	<42	<51	<49	<48	<64	<50	<43	<63	<47	20,000,000	8,800,000	2,000,000	140,000	320	320
Styrene	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	410,000,000	1,500,000	41,000,000	430,000	4,000	18,000
Tetrachloroethene	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	110,000	20,000	2,400,000	28,000	60	300
Toluene	<4.7	<4.8	5.2	5.2	<4.8	15	8.0	11	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	410,000,000	650,000	410,000,000	42,000	12,000	29,000
1,1,1-Trichloroethane	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	--	1,200,000	--	1,200,000	2,000	9,600
1,1,2-Trichloroethane	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	8,200,000	1,800,000	8,200,000	1,800,000	20	300
1,1,2,2-Tetrachloroethane	<0.94	<0.95	<0.88	<0.85	<0.96	<0.84	<0.97	<0.84	<1.0	<0.98	<0.96	<1.3	<1.0	<0.86	<1.3	<0.94	--	--	--	--	--	--
Trichloroethene	<4.7	<4.8	<4.4	<4.2	<4.8	<4.2	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	520,000	8,900	1,200,000	12,000	60	300
Vinyl chloride	<3.8	<3.8	<3.5	<3.4	<3.9	<3.3	<3.9	<3.4	<4.0	<3.9	<3.8	<5.1	<4.0	<3.4	<5.0	<3.8	7,900	1,100	170,000	1,100	10	70
Total Xylenes	<4.7	<4.8	<4.4	5.4	<4.8	11	<4.8	<4.2	<5.1	<4.9	<4.8	<6.4	<5.0	<4.3	<6.3	<4.7	1,000,000,000	320,000	410,000,000	320,000	150,000	150,000

Notes: Results listed in µg/kg (parts per billion-ppb)
EPA test method SW846, 8260/5035
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)

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TABLE NO. 1 (2 of 2)
Soil Sample Analytical Results: VOCs
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE											Tier 1 Soil Remediation Objectives (Tier 1 SROs) Industrial/Commercial Property Use ⁽¹⁾					
											Route Specific Values				Soil Component of Groundwater Ingestion Exposure Route	
											Industrial-Commercial		Construction Worker		Class I	Class II
Date of Sample Collection	B-39 (2.5'-7.5')	B-42 (5'-10')	B-44 (2.5'-7.5')	B-46 (2'-4')	B-49 (5'-10')	B-52 (2.5'-7.5')	B-54 (2'-4')	B-57 (5'-8')	B-60 (5'-8')	B-62 (5'-8')	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Acetone	<47	<48	<42	<100	<48	<42	<68	<46	<53	<41	200,000,000	100,000,000	200,000,000	100,000,000	16,000	16,000
Benzene	2.8	<1.9	<1.7	<2.2	<1.9	<1.7	<2.1	2.0	<2.1	<1.7	100,000	1,600	2,300,000	2,200	30	170
Bromodichloromethane	<1.9	<1.9	<1.7	<2.2	<1.9	<1.7	<2.1	<1.8	<2.1	<1.7	92,000	3,000,000	2,000,000	3,000,000	600	600
Bromoform	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	720,000	100,000	16,000,000	140,000	800	800
Bromomethane	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	2,900,000	15,000	1,000,000	3,900	200	1,200
2-Butanone (MEK)	<47	<48	<42	<54	<48	<42	<52	<46	<53	<41	--	--	--	--	--	--
Carbon disulfide	<47	<48	<42	<54	<48	<42	<52	<46	<53	<41	200,000,000	720,000	20,000,000	9,000	32,000	160,000
Carbon tetrachloride	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	44,000	640	410,000	900	70	330
Chlorobenzene	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	41,000,000	210,000	4,100,000	1,300	1,000	6,500
Chloroethane	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	--	--	--	--	--	--
Chloroform	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	940,000	540	2,000,000	760	600	2,900
Chloromethane	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	--	--	--	--	--	--
Dibromochloromethane	<1.9	<1.9	<1.7	<2.2	<1.9	<1.7	<2.1	<1.8	<2.1	<1.7	41,000,000	1,300,000	41,000,000	1,300,000	400	400
1,1-Dichloroethane	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	200,000,000	1,700,000	200,000,000	130,000	23,000	110,000
1,1-Dichloroethene	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	18,000,000	1,500,000	1,800,000	300,000	60	300
1,2-Dichloroethane	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	63,000	700	1,400,000	990	20	100
1,2-Dichloropropane	<1.9	<1.9	<1.7	<2.2	<1.9	<1.7	<2.1	<1.8	<2.1	<1.7	84,000	23,000	1,800,000	500	30	150
cis-1,2-Dichloroethene	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	20,000,000	1,200,000	20,000,000	1,200,000	400	1,100
trans-1,2-Dichloroethene	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	41,000,000	3,100,000	41,000,000	3,100,000	700	3,400
cis-1,3-Dichloropropene	<1.9	<1.9	<1.7	<2.2	<1.9	<1.7	<2.1	<1.8	<2.1	<1.7	57,000	2,100	1,200,000	390	4	20
trans-1,3-Dichloropropene	<1.9	<1.9	<1.7	<2.2	<1.9	<1.7	<2.1	<1.8	<2.1	<1.7	57,000	2,100	1,200,000	390	4	20
Ethylbenzene	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	200,000,000	400,000	20,000,000	58,000	13,000	19,000
2-Hexanone	<47	<48	<42	<54	<48	<42	<52	<46	<53	<41	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)	<47	<48	<42	<54	<48	<42	<52	<46	<53	<41	--	--	--	--	--	--
Methylene chloride	<9.4	<9.7	<8.4	<11	<9.7	<8.3	<10	<9.2	<11	<8.3	760,000	24,000	12,000,000	34,000	20	200
Methyltertiary butylether	<47	<48	<42	<54	<48	<42	<52	<46	<53	<41	20,000,000	8,800,000	2,000,000	140,000	320	320
Styrene	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	410,000,000	1,500,000	41,000,000	430,000	4,000	18,000
Tetrachloroethene	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	110,000	20,000	2,400,000	28,000	60	300
Toluene	5.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	410,000,000	650,000	410,000,000	42,000	12,000	29,000
1,1,1-Trichloroethane	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	--	1,200,000	--	1,200,000	2,000	9,600
1,1,2-Trichloroethane	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	8,200,000	1,800,000	8,200,000	1,800,000	20	300
1,1,2,2-Tetrachloroethane	<0.94	<0.97	<0.84	<1.1	<0.97	<0.83	<1.0	<0.92	<1.1	<0.83	--	--	--	--	--	--
Trichloroethene	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	520,000	8,900	1,200,000	12,000	60	300
Vinyl chloride	<3.8	<3.9	<3.4	<4.3	<3.9	<3.3	<4.2	<3.7	<4.2	<3.3	7,900	1,100	170,000	1,100	10	70
Total Xylenes	<4.7	<4.8	<4.2	<5.4	<4.8	<4.2	<5.2	<4.6	<5.3	<4.1	1,000,000,000	320,000	410,000,000	320,000	150,000	150,000

Notes: Results listed in µg/kg (parts per billion-ppb)
EPA test method SW846, 8260/5035
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)

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TABLE NO. 2
Soil Sample Analytical Results: SVOCs (Excluding PNAs)
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	B-104 (9'-12')	B-105 (9'-12')	B-106 (9'-12')	B-107 (12'-15')	B-108 (9'-12')	B-109 (9'-12')	B-54 (2'-4')	B-129B (3'-6')	Tier 1 Soil Remediation Objectives (Tier 1 SROs) Industrial/Commercial Property Use*					
									Route Specific Values				Soil Component of Groundwater Ingestion, Exposure Route	
									Industrial - Commercial		Construction Worker		Class I	Class II
	Ingestion	Inhalation	Ingestion	Inhalation										
Date of Sample Collection	7/21/04	7/21/04	7/21/04	7/21/04	7/21/04	7/21/04	8/26/04	8/17/04						
Bis(2-chloroethoxy)methane	<340	<390	<410	<360	<340	<350	<400	<370						
Bis(2-chloroethyl)ether	<340	<390	<410	<360	<340	<350	<400	<370	5,000	470	75,000	660	0.4	0.4
Bis(2-ethylhexyl)phthalate	<340	<390	<410	<360	<340	<350	<400	<370	410,000	31,000,000	4,100,000	31,000,000	3,600,000	31,000,000
4-Bromophenylphenylether	<340	<390	<410	<360	<340	<350	<400	<370						
Bis(2-butylphenyl)phthalate	<340	<390	<410	<360	<340	<350	<400	<370	410,000,000	930,000	410,000,000	930,000	930,000	930,000
Carbazole	<340	<390	<410	<360	<340	<350	<400	<370	290,000		6,200,000		600	2,800
4-Chloroaniline	<340	<390	<410	<360	<340	<350	<400	<370	8,200,000		820,000		700	700
4-Chloro-3-methylphenol	<340	<390	<410	<360	<340	<350	<400	<370						
2-Chloronaphthalene	<340	<390	<410	<360	<340	<350	<400	<370						
2-Chlorophenol	<340	<390	<410	<360	<340	<350	<400	<370	10,000,000	53,000,000	10,000,000	53,000,000	4,000	20,000
4-Chlorophenylphenylether	<340	<390	<410	<360	<340	<350	<400	<370						
1-Chloropropane														
Dibenzofuran	<340	<390	<410	<360	<340	<350	<400	<370						
1,2-Dichlorobenzene	<340	<390	<410	<360	<340	<350	<400	<370	180,000,000	560,000	18,000,000	310,000	17,000	43,000
1,3-Dichlorobenzene	<340	<390	<410	<360	<340	<350	<400	<370						
1,4-Dichlorobenzene	<340	<390	<410	<360	<340	<350	<400	<370		17,000,000		340,000	2,000	11,000
3,3'-Dichlorobenzidine	<700	<800	<840	<740	<700	<710	<810	<750	13,000		280,000		7	33
2,4-Dichlorophenol	<340	<390	<410	<360	<340	<350	<400	<370	6,100,000		610,000		1,000	1,000
Di-n-butyl phthalate	<340	<390	<410	<360	<340	<350	<400	<370	1,000,000,000	2,000,000	1,000,000,000	2,000,000	470,000	470,000
Di-n-butylphenol	<340	<390	<410	<360	<340	<350	<400	<370	41,000,000		41,000,000		9,000	9,000
Dinitro-2-phthalate	<340	<390	<410	<360	<340	<350	<400	<370						
Di-n-butyl phthalate	<340	<390	<410	<360	<340	<350	<400	<370	200,000,000	2,300,000	200,000,000	2,300,000	2,300,000	2,300,000
4,6-Dinitro-2-methylphenol	<1,800	<2,000	<2,100	<1,900	<1,800	<1,800	<2,000	<1,900						
2,4-Dinitrophenol	<340	<390	<410	<360	<340	<350	<400	<370	4,100,000		410,000		200	200
2,4-Dinitrotoluene	<340	<390	<410	<360	<340	<350	<400	<370	8,400		180,000		0.8	0.8
2,6-Dinitrotoluene	<340	<390	<410	<360	<340	<350	<400	<370	8,400		180,000		0.7	0.7
Di-n-octyl phthalate	<340	<390	<410	<360	<340	<350	<400	<370	41,000,000	10,000,000	4,100,000	10,000,000	10,000,000	10,000,000
Hexachlorobenzene	<100	<120	<130	<110	<100	<110	<120	<110	4,000	1,800	78,000	2,600	2,000	11,800
Hexachlorobutadiene	<340	<390	<410	<360	<340	<350	<400	<370						
Hexachlorocyclopentadiene	<340	<390	<410	<360	<340	<350	<400	<370	14,000,000	16,000	14,000,000	1,100	400,000	2,200,000
Hexachlorocyclopentadiene	<100	<120	<130	<110	<100	<110	<120	<110	2,000,000		2,000,000		500	2,600
Isophthalene	<340	<390	<410	<360	<340	<350	<400	<370	410,000,000	4,600,000	410,000,000	4,600,000	8,000	8,000
2-Methylnaphthalene	<340	<390	<410	<360	<340	<350	<400	<370						
2-Methylphenol (p-Cresol)	<340	<390	<410	<360	<340	<350	<400	<370	100,000,000		100,000,000		15,000	15,000
4-Methylphenol (p-Cresol)	<340	<390	<410	<360	<340	<350	<400	<370						
2-Nitroaniline	<1,800	<2,000	<2,100	<1,900	<1,800	<1,800	<2,000	<1,900						
3-Nitroaniline	<1,800	<2,000	<2,100	<1,900	<1,800	<1,800	<2,000	<1,900						
4-Nitroaniline	<1,800	<2,000	<2,100	<1,900	<1,800	<1,800	<2,000	<1,900						
Nitrobenzene	<100	<120	<130	<110	<100	<110	<120	<110	1,000,000	140,000	1,000,000	9,400	100	100
2-Nitrophenol	<340	<390	<410	<360	<340	<350	<400	<370						
4-Nitrophenol	<1,800	<2,000	<2,100	<1,900	<1,800	<1,800	<2,000	<1,900						
N-Nitroso-di-n-propylamine	<63	<71	<75	<66	<63	<63	<72	<67	800		18,000		0.05	0.05
N-Nitrosodiphenylamine	<340	<390	<410	<360	<340	<350	<400	<370	1,200,000		25,000,000		1,000	5,600
Pentachlorophenol	<1,800	<2,000	<2,100	<1,900	<1,800	<1,800	<2,000	<1,900	24,000		520,000		30	140
Phenol	<340	<390	<410	<360	<340	<350	<400	<370	1,000,000,000		120,000,000		100,000	100,000
1,2,4-Trichlorobenzene	<340	<390	<410	<360	<340	<350	<400	<370	20,000,000	3,200,000	2,000,000	920,000	5,000	53,000
2,4,5-Trichlorophenol	<340	<390	<410	<360	<340	<350	<400	<370	200,000,000		200,000,000		270,000	1,400,000
2,4,6-Trichlorophenol	<340	<390	<410	<360	<340	<350	<400	<370	520,000	390,000	11,000,000	540,000	200	770

Notes: Results listed in µg/kg (parts per billion-ppb)
 EPA test method SW846, 8270
 Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
 * indicates not detected at stated detection limits
 - indicates value not available
 (1) Pursuant to 35 IAC Part 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)

TABLE NO. 3 (1 of 4)
Soil Sample Analytical Results: PNAs
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	B-101 (6'-9')	B-101B (3'-6')	B-103 (9'-12')	B-104 (9'-12')	B-105 (9'-12')	B-106 (9'-12')	B-107 (12'-15')	B-108 (9'-12')	B-109 (9'-12')	B-114 (0'-3')	B-115 (3'-6')	Tier I Soil Remediation Objectives (Tier I SROs) Industrial/Commercial Property Use ⁽¹⁾				EPRI Background PAH Study ⁽²⁾		
												Route Specific Values				Soil Component of Groundwater Ingestion/Exposure Route		Background 95th Percentile Concentration ⁽³⁾
												Industrial-Commercial		Construction Worker		Class I	Class II		In MSAs
Date of Sample Collection	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	In MSAs											
Acenaphthene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	120,000,000	--	120,000,000	--	570,000	2,900,000	--
Anthracene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	610,000,000	--	610,000,000	--	12,000,000	59,000,000	--
Fluoranthene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	82,000,000	--	82,000,000	--	4,300,000	21,000,000	--
Fluorene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	82,000,000	--	82,000,000	--	560,000	2,800,000	--
Pyrene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	61,000,000	--	61,000,000	--	4,200,000	21,000,000	--
Naphthalene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	41,000,000	270,000	4,100,000	1,800	12,000	18,000	--
CARCINOGENIC PNAs																		
Benzo(a)anthracene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	8,000	--	170,000	--	2,000	8,000	1,800
Benzo(a)pyrene	<75	200	<74	<63	<71	<75	<66	<63	<63	<65	<71	800	--	17,000	--	8,000	82,000	2,100
Benzo(b)fluoranthene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	8,000	--	170,000	--	5,000	25,000	2,000
Benzo(k)fluoranthene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	78,000	--	1,700,000	--	49,000	250,000	1,700
Chrysene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	780,000	--	17,000,000	--	160,000	800,000	2,700
Dibenzo(a,h)anthracene	<75	<73	<74	<63	<71	<75	<66	<63	<63	<65	<71	800	--	17,000	--	2,000	7,600	420
Indeno(1,2,3-cd)pyrene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	8,000	--	170,000	--	14,000	69,000	1,600
NON-CARCINOGENIC PNAs																		
Acenaphthylene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	--	--	--	--	--	--	--
Phenanthrene	<410	<400	<410	<340	<390	<410	<360	<340	<350	<350	<390	--	--	--	--	--	--	--

Notes: Results listed in µg/kg (parts per billion-ppb)

EPA test method SW846, 8310/8270

Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO

"<" indicates not detected at stated detection limits

"--" indicates value not available

(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)

(2) Pursuant to *Polynuclear Aromatic Hydrocarbon Background Study, City of Chicago*, Tetra Tech, February 24, 2003

(3) Acceptable for use under TACO as a Tier 3 Evaluation

RELEASABLE

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TABLE NO. 3 (2 of 4)
Soil Sample Analytical Results: PNAs
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	Tier 1 Soil Remediation Objectives (Tier 1 SROs) Industrial/Commercial Property Use (1)											EPRI Background PAH Study (2)						
	Route Specific Values											Soil Component of Groundwater Ingestion/Exposure Route		Background 95th Percentile Concentration (3)				
	Industrial-Commercial					Construction Worker						Class I	Class II					
Date of Sample Collection	B-116 (0'-3')	B-117 (0'-3')	B-118 (0'-3')	B-119 (9'-12')	B-120 (6'-9')	B-121 (12'-15')	B-122 (12'-15')	B-127 (12'-15')	B-128 (15'-18')	B-129 (3'-6')	B-130 (3'-6')	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	In MSAs
Acenaphthene	<350	<340	<380	<350	<350	<380	<370	<390	<360	410	<4,200	120,000,000	--	120,000,000	--	570,000	2,900,000	--
Anthracene	<350	<340	<380	<350	<350	<380	<370	<390	<360	440	<4,200	610,000,000	--	610,000,000	--	12,000,000	59,000,000	--
Fluoranthene	<350	<340	<380	<350	<350	<380	<370	<390	<360	2,800	<4,200	82,000,000	--	82,000,000	--	4,300,000	21,000,000	--
Fluorene	<350	<340	<380	<350	<350	<380	<370	<390	<360	<390	<4,200	82,000,000	--	82,000,000	--	560,000	2,800,000	--
Pyrene	<350	<340	<380	<350	<350	<380	<370	<390	<360	2,800	<4,200	61,000,000	--	61,000,000	--	4,200,000	21,000,000	--
Naphthalene	<350	<340	<380	<350	<350	<380	<370	<390	<360	<390	<4,200	41,000,000	270,000	4,100,000	1,800	12,000	18,000	--
CARCINOGENIC PNAs																		
Benzo(a)anthracene	<350	<340	<380	<350	<350	<380	<370	<390	<360	1,200	<4,200	8,000	--	170,000	--	2,000	8,000	1,800
Benzo(a)pyrene	<64	<62	<69	<64	<63	<70	<67	<71	<66	1,200	<770	800	--	17,000	--	8,000	82,000	2,100
Benzo(b)fluoranthene	<350	<340	<380	<350	<350	<380	<370	<390	<360	1,500	<4,200	8,000	--	170,000	--	5,000	25,000	2,000
Benzo(k)fluoranthene	<350	<340	<380	<350	<350	<380	<370	<390	<360	590	<4,200	78,000	--	1,700,000	--	49,000	250,000	1,700
Chrysene	<350	<340	<380	<350	<350	<380	<370	<390	<360	1,400	<4,200	780,000	--	17,000,000	--	160,000	800,000	2,700
Dibenzo(a,h)anthracene	<64	<62	<69	<64	<63	<70	<67	<71	<66	160	<770	800	--	17,000	--	2,000	7,600	420
Indeno(1,2,3-cd)pyrene	<350	<340	<380	<350	<350	<380	<370	<390	<360	590	<4,200	8,000	--	170,000	--	14,000	69,000	1,600
NON-CARCINOGENIC PNAs																		
Acenaphthylene	<350	<340	<380	<350	<350	<380	<370	<390	<360	<390	<4,200	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	<350	<340	<380	<350	<350	<380	<370	<390	<360	600	<4,200	--	--	--	--	--	--	--
Phenanthrene	<350	<340	<380	<350	<350	<380	<370	<390	<360	2,700	<4,200	--	--	--	--	--	--	--

Notes: Results listed in µg/kg (parts per billion-ppb)

EPA test method SW846, 8310/8270

Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO

"<" indicates not detected at stated detection limits

"--" indicates value not available

(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)

(2) Pursuant to Polynuclear Aromatic Hydrocarbon Background Study, City of Chicago, Tetra Tech, February 24, 2003

(3) Acceptable for use under TACO as a Tier 3 Evaluation

RELEASABLE

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TABLE NO. 3 (3 of 4)
Soil Sample Analytical Results: PNAs
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 | Elgin, Illinois

ANALYTE	Tier 1 Soil Remediation Objectives (Tier 1 SROs) Industrial/Commercial Property Use ⁽¹⁾									Route Specific Values				Soil Component of Groundwater Ingestion/Exposure Route		EPRI Background PAH Study ⁽²⁾
	B-134 (3'-6')	B-135 (3'-6')	B-137 (3'-6')	B-139 (3'-6')	B-140 (3'-6')	B-141 (3'-6')	B-142 (1.0')	B-143 (1.0')	B-144 (1.0')	Industrial-Commercial		Construction Worker		Class I	Class II	Background 95th Percentile Concentration ⁽³⁾
	Date of Sample Collection	8/17/04	8/17/04	8/17/04	8/17/04	8/17/04	8/17/04	8/17/04	8/17/04	Ingestion	Inhalation	Ingestion	Inhalation				In MSAs
Acenaphthene	<380	<380	<430	<380	<380	<450	<400	<370	<360	120,000,000	--	120,000,000	--	570,000	2,900,000	--
Anthracene	<380	<380	<430	<380	<380	<450	<400	<370	<360	610,000,000	--	610,000,000	--	12,000,000	59,000,000	--
Fluoranthene	640	<380	<430	<380	<380	<450	<400	<370	<360	82,000,000	--	82,000,000	--	4,300,000	21,000,000	--
Fluorene	<380	<380	<430	<380	<380	<450	<400	<370	<360	82,000,000	--	82,000,000	--	560,000	2,800,000	--
Pyrene	740	<380	<430	<380	<380	<450	660	<370	<360	61,000,000	--	61,000,000	--	4,200,000	21,000,000	--
Naphthalene	<380	<380	<430	<380	<380	<450	<400	<370	<360	41,000,000	270,000	4,100,000	1,800	12,000	18,000	--
CARCINOGENIC PNAs																
Benzo(a)anthracene	450	<380	<430	<380	<380	<450	<400	<370	<360	8,000	--	170,000	--	2,000	8,000	1,800
Benzo(a)pyrene	400	<68	<78	73	<69	140	240	71	<66	800	--	17,000	--	8,000	82,000	2,100
Benzo(b)fluoranthene	550	<380	<430	<380	<380	<450	<400	<370	<360	8,000	--	170,000	--	5,000	25,000	2,000
Benzo(k)fluoranthene	<380	<380	<430	<380	<380	<450	<400	<370	<360	78,000	--	1,700,000	--	49,000	250,000	1,700
Chrysene	450	<380	<430	<380	<380	<450	<400	<370	<360	780,000	--	17,000,000	--	160,000	800,000	2,700
Dibenzo(a,h)anthracene	<69	<68	<78	<70	<69	<82	<72	<67	<66	800	--	17,000	--	2,000	7,600	420
Indeno(1,2,3-cd)pyrene	<380	<380	<430	<380	<380	<450	<400	<370	<360	8,000	--	170,000	--	14,000	69,000	1600
NON-CARCINOGENIC PNAs																
Acenaphthylene	<380	<380	<430	<380	<380	<450	<400	<370	<360	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	<380	<380	<430	<380	<380	<450	<400	<370	<360	--	--	--	--	--	--	--
Phenanthrene	430	<380	<430	<380	<380	<450	660	<370	490	--	--	--	--	--	--	--

Notes: Results listed in µg/kg (parts per billion-ppb)

EPA test method SW846, 8310/8270

Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO

"<" indicates not detected at stated detection limits

"--" indicates value not available

(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)

(2) Pursuant to *Polynuclear Aromatic Hydrocarbon Background Study, City of Chicago*, Tetra Tech, February 24, 2003

(3) Acceptable for use under TACO as a Tier 3 Evaluation

RELEASABLE

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TABLE NO. 3 (4 of 4)
Soil Sample Analytical Results: PNAs
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	Tier 1 Soil Remediation Objectives (Tier 1 SROs) Industrial/Commercial Property Use ⁽¹⁾									Route Specific Values		Soil Component of Groundwater Ingestion/Exposure Route		EPRI Background PAH Study ⁽²⁾		
	B-39 (2.5'-7.5')	B-42 (5'-10')	B-44 (2.5'-7.5')	B-46 (2'-4')	B-49 (5'-10')	B-52 (2.5'-7.5')	B-57 (5'-8')	B-60 (5'-8')	B-62 (5'-8')	Industrial-Commercial	Construction Worker	Background 95th Percentile Concentration ⁽³⁾				
	Date of Sample Collection	8/19/04	8/19/04	8/19/04	8/26/04	8/19/04	8/19/04	8/17/04	8/18/04	8/18/04	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	In MSAs
Acenaphthene	<410	<350	<350	<410	<380	<370	<350	<420	<400	120,000,000	--	120,000,000	--	570,000	2,900,000	--
Anthracene	<410	<350	<350	<410	<380	<370	<350	<420	<400	610,000,000	--	610,000,000	--	12,000,000	59,000,000	--
Fluoranthene	<410	<350	<350	<410	<380	<370	<350	<420	<400	82,000,000	--	82,000,000	--	4,300,000	21,000,000	--
Fluorene	<410	<350	<350	<410	<380	<370	<350	<420	<400	82,000,000	--	82,000,000	--	560,000	2,800,000	--
Pyrene	<410	<350	<350	<410	<380	<370	<350	<420	<400	61,000,000	--	61,000,000	--	4,200,000	21,000,000	--
Naphthalene	<410	<350	<350	<410	<380	<370	<350	<420	<400	41,000,000	270,000	4,100,000	1,800	12,000	18,000	--
CARCINOGENIC PNAs																
Benzo(a)anthracene	<410	<350	<350	<410	<380	<370	<350	<420	<400	8,000	--	170,000	--	2,000	8,000	1,800
Benzo(a)pyrene	<74	<65	<64	<75	<69	<67	<65	<76	<73	800	--	17,000	--	8,000	82,000	2,100
Benzo(b)fluoranthene	<410	<350	<350	<410	<380	<370	<350	<420	<400	8,000	--	170,000	--	5,000	25,000	2,000
Benzo(k)fluoranthene	<410	<350	<350	<410	<380	<370	<350	<420	<400	78,000	--	1,700,000	--	49,000	250,000	1,700
Chrysene	<410	<350	<350	<410	<380	<370	<350	<420	<400	780,000	--	17,000,000	--	160,000	800,000	2,700
Dibenzo(a,h)anthracene	<74	<65	<64	<75	<69	<67	<65	<76	<73	800	--	17,000	--	2,000	7,600	420
Indeno(1,2,3-cd)pyrene	<410	<350	<350	<410	<380	<370	<350	<420	<400	8,000	--	170,000	--	14,000	69,000	1600
NON-CARCINOGENIC PNAs																
Acenaphthylene	<410	<350	<350	<410	<380	<370	<350	<420	<400	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	<410	<350	<350	<410	<380	<370	<350	<420	<400	--	--	--	--	--	--	--
Phenanthrene	<410	<350	<350	<410	380	<370	<350	<420	<400	--	--	--	--	--	--	--

Notes: Results listed in µg/kg (parts per billion-ppb)

EPA test method SW846, 8310/8270

Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO

"<" indicates not detected at stated detection limits

"--" indicates value not available

(1) Pursuant to 35 LAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)

(2) Pursuant to Polynuclear Aromatic Hydrocarbon Background Study, City of Chicago, Tetra Tech, February 24, 2003

(3) Acceptable for use under TACO as a Tier 3 Evaluation

RELEASABLE

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TABLE NO. 4
Soil Sample Analytical Results: BTEX & MTBE
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 | Elgin, Illinois

ANALYTE	Tier 1 Soil Remediation Objectives (Tier 1 SROs)										Soil Component of Groundwater Ingestion Exposure Route		Soil Saturation Limit ¹⁾ C ₁				
	Tier 1 Soil Remediation Objectives (Tier 1 SROs)										Soil Component of Groundwater Ingestion Exposure Route						
	Industrial-Commercial					Construction Worker					Class I	Class II					
Date of Sample Collection	B-114 (0-3)	B-115 (3-6)	B-119 (9-12)	B-120 (6-9)	B-121 (12-15)	B-122 (12-15)	B-127 (12-15)	B-128 (15-18)									
	7/2/04	7/2/04	7/2/04	7/2/04	7/2/04	7/2/04	7/2/04	7/2/04									
Benzene	2.2	<1.7	2.0	3.6	3.1	7.6	2.7	3.0									
Ethylbenzene	<4.4	<4.2	<4.3	12	<5.3	57	<4.7	<4.3									
Toluene	<4.4	<4.2	<4.3	13	<5.3	22	<4.7	5.9									
Xylenes	<4.4	<4.2	<4.3	91	<5.3	330	<4.7	<4.3									
MTBE	<4.4	<4.2	<4.3	<4.2	<5.3	<4.4	<4.7	<4.3									
									100,000	200,000,000	2,300,000	2,200	30	170	870,000		
									260,000,000	20,000,000	58,000	58,000	13,000	19,000	400,000		
									410,000,000	410,000,000	42,000	42,000	12,000	29,000	650,000		
									1,000,000,000	410,000,000	320,000	320,000	150,000	150,000	320,000		
									8,800,000	2,000,000	140,000	140,000	320	320	8,800,000		

Notes: Results listed in µg/Kg (parts per billion)
 EPA test method SW846, 8260/5035
 Shaded/boxed cells indicate concentration detected above most stringent Tier 1 SRO
 "<" indicates not detected at stated detection limits
 "-" indicates value not available
 (1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)
 (2) Pursuant to 35 IAC 742 (Appendix A, Table A)

TABLE NO. 5 (1 of 2)
Soil Sample Analytical Results: RCRA 8 Metals & Cyanide (with pH)
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

											Tier 1 Soil Remediation Objectives (Tier 1 SROs) Industrial/Commercial Property Use ⁽¹⁾												
											Route Specific Values ⁽²⁾				pH-Specific Migration to Groundwater Values								
											Industrial-Commercial		Construction Worker		pH = 7.25 - 7.74		pH = 7.75 to 8.24		pH = 8.25 - 8.74		pH = 8.75 to 9.0		
ANALYTE	B-101 (6'-9')	B-103 (9'-12')	B-104 (9'-12')	B-105 (9'-12')	B-106 (9'-12')	B-107 (12'-15')	B-108 (9'-12')	B-109 (9'-12')	B-129 (3'-6')	B-130 (3'-6')	Ingestion	Inhalation	Ingestion	Inhalation	Class I ⁽³⁾	Class II ⁽³⁾	Class I ⁽³⁾	Class II ⁽³⁾	Class I ⁽³⁾	Class II ⁽³⁾	Class I ⁽³⁾	Class II ⁽³⁾	
Date of Sample Collection	7/21/04	7/21/04	7/21/04	7/21/04	7/21/04	7/22/04	7/22/04	7/22/04	7/27/04	7/27/04													
pH	7.91	7.20	8.92	7.92	7.60	8.90	8.60	9.02	7.53	8.47													
Benic	3,900	8,100	6,000	4,500	7,600	2,900	4,300	2,400	7,100	3,300	13,000	1,200,000	61,000	25,000,000	30,000	120,000	31,000	120,000	32,000	130,000	33,000	130,000	
Barium	51,000	140,000	25,000	70,000	85,000	10,000	36,000	11,000	110,000	19,000	140,000,000	910,000,000	14,000,000	870,000,000	1,800,000	1,800,000	2,100,000	2,100,000	--	--	--	--	
Cadmium	<1,300	<1,200	<1,000	<1,200	<1,300	<1,100	<1,000	<1,100	<1,200	<1,300	2,000,000	2,800,000	200,000	59,000,000	59,000	590,000	450,000	4,300,000	--	--	--	--	
Chromium	9,300	15,000	3,500	8,500	12,000	4,600	3,200	4,500	13,000	4,400	6,100,000	420,000	4,100,000	690,000	32,000	--	28,000	--	24,000	--	21,000	--	
Lead	11,000	14,000	1,000	38,000	18,000	2,000	19,000	1,300	39,000	17,000	400,000	--	400,000	--	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	
Mercury	<130	<120	<100	<120	<130	<110	<100	<110	<120	<130	610,000	540,000,000	61,000	52,000,000	6,400	32,000	8,000	40,000	--	--	--	--	
Selenium	<1,300	<1,500	<1,600	<1,200	<1,800	<1,100	<1,300	<1,100	<1,200	<1,300	10,000,000	--	1,000,000	--	3,300	3,300	2,400	2,400	1,800	1,800	1,300	1,300	
Silver	<1,300	<1,200	<1,000	<1,200	<1,300	<1,100	<1,000	<1,100	<1,200	<1,300	10,000,000	--	1,000,000	--	39,000	--	110,000	--	--	--	--	--	
Cyanide	NA	NA	<520	<600	<630	<550	<520	<530	NA	NA	41,000,000	--	4,100,000	--	--	120,000	40,000	120,000	40,000	120,000	40,000	120,000	

- Notes:** Results listed in µg/kg (parts per billion-ppb)
EPA test method SW846, 3050/6010
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)
(2) Pursuant to 35 IAC 742 (Appendix B, Table C)
(3) Pursuant to 35 IAC 742 (Appendix B, Table D)
(4) No pH-specific values are available for this compound; therefore, the background concentration for sites "Within Metropolitan Statistical Areas" as identified in 35 IAC 742, Appendix A, Table G is listed for comparison only

TABLE NO. 5 (2 of 2)
Soil Sample Analytical Results: RCRA 8 Metals & Cyanide (with pH)
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 | Elgin, Illinois

ANALYTE	Tier 1 Soil Remediation Objectives (Tier 1 SROs) Industrial/Commercial Property Use ⁽¹⁾										pH-Specific Migration to Groundwater Values											
	Route Specific Values										Industrial-Commercial				Construction Worker							
	Average pH = 8.20 (based on previous analytical results)										pH = 7.25 - 7.74		pH = 7.75 to 8.24		pH = 8.25 - 8.74		pH = 8.75 to 9.0					
Date of Sample Collection	B-39 (2.5'-7.5')	B-42 (5'-10')	B-44 (2.5'-7.5')	B-46 (2'-4')	B-49 (5'-10')	B-52 (2.5'-7.5')	B-57 (5'-8')	B-60 (5'-8')	B-62 (5'-8')	B-142 (2.0')	Ingestion	Inhalation	Ingestion	Inhalation	Class I ⁽²⁾	Class II ⁽²⁾	Class I ⁽³⁾	Class II ⁽³⁾	Class I ⁽⁴⁾	Class II ⁽⁴⁾	Class I ⁽⁴⁾	Class II ⁽⁴⁾
Arsenic	7,700	6,900	7,200	9,600	3,100	6,000	1,800	5,200	3,700	4,700	13,000	1,200,000	61,000	25,000,000	30,000	120,000	31,000	120,000	32,000	130,000	33,000	130,000
Barium	120,000	49,000	53,000	130,000	10,000	8,800	13,000	49,000	38,000	37,000	140,000,000	910,000,000	14,000,000	870,000,000	1,800,000	1,800,000	2,100,000	2,100,000	--	--	--	--
Cadmium	<1,200	<1,100	<1,100	<1,300	<1,100	<1,100	<1,100	<1,200	<1,200	<1,100	2,000,000	2,800,000	200,000	59,000,000	59,000	590,000	430,000	4,300,000	--	--	--	--
Chromium	12,000	9,400	11,000	19,000	4,800	6,700	6,000	23,000	5,600	8,200	6,100,000	420,000	4,100,000	690,000	32,000	--	28,000	--	24,000	--	21,000	--
Lead	15,000	9,700	7,400	10,000	3,400	3,400	<1,100	5,700	4,900	8,700	400,000	--	400,000	--	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾	36,000 ⁽⁴⁾
Mercury	<120	<110	<110	<130	<110	<110	<110	<130	<120	<110	610,000	540,000,000	61,000	52,000,000	6,400	32,000	8,000	40,000	--	--	--	--
Selenium	<1,200	<1,100	<1,400	<1,300	<1,100	<1,100	<1,100	<1,900	<1,200	<1,100	10,000,000	--	1,000,000	--	3,300	3,300	2,400	2,400	1,800	1,800	1,300	1,300
Silver	<1,200	<1,100	<1,100	<1,300	<1,100	<1,100	<1,100	<1,300	<1,200	<1,100	10,000,000	--	1,000,000	--	39,000	--	110,000	--	--	--	--	--

Notes: Results listed in µg/kg (parts per billion-ppb)
EPA test method SW846, 3050/6010
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)
(2) Pursuant to 35 IAC 742 (Appendix B, Table C)
(3) Pursuant to 35 IAC 742 (Appendix B, Table D)
(4) No pH-specific values are available for this compound; therefore, the background concentration for sites "Within Metropolitan Statistical Areas" as identified in 35 IAC 742, Appendix A, Table G is listed for comparison only

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TABLE NO. 6
Soil Sample Analytical Results: TCL Inorganics
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	B-54 (3-4)	B-107B (12-15)	B-129B (9-6)	Tier 1 Soil Remediation Objectives (Tier 1 SROs) Industrial/Commercial Property Use ¹			Soil Component of Groundwater Ingestion Exposure Route		Range of Inorganic Chemicals in Background Soils ²
				Industrial-Commercial Ingestion	Inhalation	Ingestion	Inhalation	Class I		Class II
Date of Sample Collection	8/26/04	8/26/04	8/17/04	Residue Specific Values			Soil Component of Groundwater Ingestion Exposure Route		
pH	8.20 ³	8.20 ³	7.53 ⁴	--	--	--	9,500,000 ⁵	9,500,000 ⁵	1,388,000 - 37,200,000
Aluminum	16,000,000	3,100,000	13,000,000	820,000	--	82,000	5,000	20,000	240 - 8,000
Antimony	<1,200	<1,200	<1,100	--	--	61,000	31,000	120,000	1,100 - 24,000
Arsenic	8,400	2,900 ⁶	7,100 ⁶	140,000,000	9,100,000,000	14,000,000	2,100,000	2,100,000	<5,000 - 1,720,000
Barium	95,000	10,000 ⁶	110,000 ⁶	4,100,000	2,000,000	410,000	8,000,000	1,000,000,000	50 - 9,900
Beryllium	<1,200	<1,200	<1,100	2,000,000	2,800,000	200,000	430,000	4,300,000	<2,900 - 8,200
Cadmium	<1,200	<1,100 ⁶	<1,200 ⁶	--	--	--	9,300,000 ⁵	9,300,000 ⁵	813,000 - 130,000,000
Calcium	2,000,000	11,000,000	47,000,000	6,100,000	420,000	4,100,000	28,000	--	<2,140 - 151,000
Chromium	18,000	4,600 ⁶	13,000 ⁶	120,000,000	--	12,000,000	8,900 ⁵	8,900 ⁵	2,100 - 23,000
Cobalt	8,200	8,200	6,500	82,000,000	--	8,200,000	330,000,000	330,000,000	<2,930 - 156,000
Copper	23,000	20,000	17,000	41,000,000	--	4,100,000	40,000	120,000	<70 - 2,700
Cyanide	<600	<600	<560	--	--	--	--	--	5,000,000 - 80,000,000
Iron	23,000,000	21,000,000	20,000,000	--	--	400,000	15,900,000 ⁵	15,900,000 ⁵	4,700 - 647,000
Lead	5,300	2,000 ⁶	39,000 ⁶	400,000	--	400,000	36,000 ⁵	36,000 ⁵	4,700 - 74,500,000
Magnesium	3,900,000	8,000,000	24,000,000	96,000,000	91,000,000	9,600,000	4,820,000 ⁵	4,820,000 ⁵	541,000 - 74,500,000
Manganese	800,000	680,000	470,000	610,000	540,000,000	61,000	636,000 ⁵	636,000 ⁵	155,000 - 5,590,000
Mercury	<120	<110 ⁶	<120 ⁶	41,000,000	21,000,000	4,100,000	8,000	40,000	20 - 990
Nickel	34,000	19,000	16,000	41,000,000	21,000,000	4,100,000	3,800,000	76,000,000	<3,100 - 135,000
Potassium	1,400,000	890,000	1,500,000	10,000,000	--	1,000,000	1,268,000 ⁵	1,268,000 ⁵	270,000 - 5,820,000
Selenium	<1,200	<1,100 ⁶	<1,200 ⁶	10,000,000	--	1,000,000	2,400	2,400	<120 - 2,600
Silver	<1,200	<1,100 ⁶	<1,200 ⁶	10,000,000	--	1,000,000	110,000	550 ⁵	<320 - 5,600
Sodium	70,000	110,000	190,000	160,000	160,000	160,000	130,000 ⁵	130,000 ⁵	20,200 - 1,290,000
Taillium	<1,200	<1,200	<1,100	14,000,000	--	1,400,000	3,800	38,000	20 - 1,600
Vanadium	46,000	31,000	36,000	610,000,000	--	61,000,000	980,000	25,200 ⁵	<2,500 - 80,000
Zinc	70,000	35,000	55,000	610,000,000	--	61,000,000	53,000,000	110,000,000	23,000 - 798,000

Notes: Results listed in ug/kg (parts per billion; ppb)
 EPA test method SW-846, 3050/6010 and 7471
 Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
 *-> indicates not detected at listed detection limits
 *-> indicates value not available
 NA = Not Analyzed
 Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO for Residential Properties
 (1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives
 (2) Obtained from Illinois EPA Office of Chemical Safety's Technical Report "A Summary of Selected Background Conditions for Inorganics in Soil," dated August 1994;
 as identified in Table 2 - Counties Within Metropolitan Statistical Areas
 (3) Average pH = 8.20 (based on previous analytical results)
 (4) pH and pH-specific values are available for this compound or pH range, therefore the background concentration "Within Metropolitan Statistical Areas"
 (5) No pH-specific values are available for this compound or pH range, therefore the background concentration "Within Metropolitan Statistical Areas"
 (6) pH-specific values based on previous analytical results for sample B-107 (12-15) collected on 7/22/04.

TABLE 7
Soil Sample Analytical Results: SPLP & TCLP Metals
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	B-54 (21-4)	B-129C (31-6)	Tier 1 Soil Remediation Objectives (Tier 1 SROs) Industrial/Commercial Property Use (1)	
			Class I	Class II
Date of Sample Collection	8/26/04	8/26/04	Migration to Groundwater Values (4)	
TCLP Arsenic	NA	< 50	50	200
TCLP Barium	NA	1,400	2,000	2,000
TCLP Cadmium	NA	< 10	5	50
TCLP Chromium	NA	< 10	100	1,000
TCLP Lead	NA	< 50	7.5	100
TCLP Selenium	NA	< 100	50	50
TCLP Silver	NA	< 20	50	..
TCLP Mercury	NA	< 0.20	2	10
SPLP Iron	32,000	NA	5,000	5,000
SPLP Manganese	540	NA	150	10,000

Notes: TCLP and SPLP results listed in µg/L (ppb)

EPA test method SW846, 3010/6010 and 7470

Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO

"<" indicates not detected at stated detection limits

"..*" indicates value not available

"NA" indicates not tested for analyte

(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table A)

(2) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table C)

(3) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table D)

(4) No pH-specific values are available for this compound, therefore, the background concentration for sites within Metropolitan Statistical Areas² as identified in 35 IAC 742, Appendix A, Table G is listed for comparison only.

TABLE NO. 8
Soil Sample Analytical Results: PCBs & Phenols
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	Tier 1 Soil Remediation Objectives (Tier 1 SROs) Industrial/Commercial Property Use ⁽¹⁾																Soil Component of Groundwater Ingestion Exposure Route						
	Route Specific Values																						
	Industrial-Commercial								Construction Worker								Class I	Class II					
	B-104 (9'-12')	B-105 (9'-12')	B-106 (9'-12')	B-107 (12'-15')	B-108 (9'-12')	B-109 (9'-12')	B-110 (0'-3')	B-111 (0'-3')	B-112 (0'-3')	B-113 (3'-6')	B-116 (0'-3')	B-117 (0'-3')	B-118 (0'-3')	B-123 (0'-3')	B-54 (2'-4')	B-129B (3'-6')	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
Date of Sample Collection	7/21/04	7/21/04	7/21/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/26/04	8/26/04	8/17/04						
Aroclor 1016	<18	<20	<21	<19	<18	<18	<21	<20	<20	<21	<18	<18	<20	<18	<20	<19	1,000	--	--	--	--	--	
Aroclor 1221	<18	<20	<21	<19	<18	<18	<21	<20	<20	<21	<18	<18	<20	<18	<20	<19	1,000	--	--	--	--	--	
Aroclor 1232	<18	<20	<21	<19	<18	<18	<21	<20	<20	<21	<18	<18	<20	<18	<20	<19	1,000	--	--	--	--	--	
Aroclor 1242	<18	<20	<21	<19	<18	<18	<21	<20	<20	<21	<18	<18	<20	<18	<20	<19	1,000	--	--	--	--	--	
Aroclor 1248	<18	<20	<21	<19	<18	<18	<21	<20	<20	<21	<18	<18	<20	<18	<20	<19	1,000	--	--	--	--	--	
Aroclor 1254	<18	<20	<21	<19	<18	<18	<21	<20	<20	<21	<18	<18	<20	<18	<20	<19	1,000	--	--	--	--	--	
Aroclor 1260	<18	<20	<21	<19	<18	<18	<21	<20	<20	<21	<18	<18	<20	78	<20	<19	1,000	--	--	--	--	--	
Phenols	<520	<600	940	1,300	<520	<530	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,000,000,000	--	120,000,000	100,000	100,000	100,000	

Notes: Results listed in µg/kg (parts per billion-ppb)
EPA test method SW846, 8080 & 8081
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
- indicates not detected at stated detection limits
--* indicates value not available
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)

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TABLE NO. 9
Soil Sample Analytical Results: Pesticides
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 | Elgin, Illinois

ANALYTE	B-54 (2-4)	B-107B (12-15)	B-129B (3-6)	Tier I Soil Remediation Objectives (Tier I SROs)				Soil Component of Groundwater Ingestion Exposure Route	
				Industrial-Commercial		Construction Worker		Class I	Class II
Date of Sample Collection	8/26/04	8/26/04	8/17/04	Inhalation	Inhalation	Ingestion	Inhalation		
Aldrin	<2.0	<4.0	<1.9	300	6,600	6,100	9,300	500	2,500
<i>α</i> -BHC	<2.0	<4.0	<1.9	500	1,500	20,000	2,100	0.5	3
<i>β</i> -BHC	<2.0	<4.0	<1.9	--	--	--	--	--	--
<i>γ</i> -BHC (Lindane)	<2.0	<4.0	<1.9	--	--	--	--	--	--
<i>α</i> -Chlordane	<2.0	<4.0	<1.9	4,000	--	96,000	--	9	47
<i>β</i> -Chlordane	<2.0	<4.0	<1.9	1,600	140,000	100,000	22,000	10,000	48,000
<i>γ</i> -Chlordane	<2.0	<4.0	<1.9	1,600	140,000	100,000	22,000	10,000	48,000
4,4'-DDD	<4.0	<7.9	<3.7	24,000	--	520,000	--	16,000	80,000
4,4'-DDE	<4.0	<7.9	81	17,000	--	370,000	--	54,000	270,000
4,4'-DDT	<4.0	<7.9	<3.7	17,000	1,500,000	100,000	2,100,000	32,000	160,000
Dieldrin	<2.0	<4.0	4.0	400	2,200	7,800	3,100	4	20
Endosulfan I	<2.0	<4.0	<1.9	--	--	--	--	--	--
Endosulfan II	<4.0	<7.9	<3.7	--	--	--	--	--	--
Endosulfan Sulfate	<4.0	<7.9	<3.7	--	--	--	--	--	--
Endrin	<4.0	<7.9	<3.7	610,000	--	61,000	--	1,000	5,000
Endrin aldehyde	<4.0	<7.9	<3.7	--	--	--	--	--	--
Endrin ketone	<4.0	<7.9	<3.7	--	--	--	--	--	--
Heptachlor	<2.0	<4.0	<1.9	1,000	11,000	28,000	16,000	23,000	110,000
Heptachlor epoxide	<2.0	<4.0	<1.9	600	9,200	2,700	13,000	700	3,300
Methoxychlor	<2.0	<4.0	<1.9	10,000,000	--	1,000,000	--	160,000	780,000
Toxaphene	<120	<240	<1,100	5,200	170,000	110,000	240,000	31,000	150,000

Notes: Results listed in µg/kg (parts per billion-ppb)
 EPA test method SW846, 8080 & 8081

Shaded/Bolded cell indicates value exceeds the most stringent Tier I SRO

"<" indicates not detected at stated detection limits

"--" indicates value not available

(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table B)

TABLE NO. 10

Groundwater Sample Analytical Results: Illinois VOCs
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	MW-1	MW-2	MW-3	MW-4	MW-4	MW-4	MW-5	Tier I Groundwater Remediation Objectives (Tier I GROs) (1)	
	8112/04	8112/04	8112/04	8130/04	4/11/05	4/11/05	8/30/04	Class I	Class II
Date of Sample Collection	8112/04	8112/04	8112/04	8130/04	4/11/05	4/11/05	8/30/04	4,200	4,200
2-Butanone (MEK)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	..	..
4-Methyl-2-pentanone (MIBK)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	560	560
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	700	3,500
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7	35
1,2-Dibromo-3-Chloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.2	0.2
1,2-Dibromoethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.05	0.5
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	25
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	25
1,3-Dichloropropane (total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	1	5
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	200	1,000
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	50
1,1,2,2-Tetrachloroethane	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	..	..
Acetone	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	700	700
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	25
Bromodichloromethane	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	0.2	0.2
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1	1
Bromomethane (Methyl bromide)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	9.8	49
n-Butanol	<500	<500	<500	<500	<500	<500	<500	700	700
Carbon Disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	700	3,500
Carbon Tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	25
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	100	500
Chlorodibromomethane	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	140	140
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	..	..
Chloroform	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	0.2	1
Chloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	..	..
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	70	200
Ethylbenzene	<1.0	<1.0	12	<1.0	<1.0	<1.0	<1.0	700	1,000
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5	50
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	100	500
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	25
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,000	2,500
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	100	500
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	25
Vinyl Acetate	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7,000	7,000
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2	10
Total Xylenes	<2.0	<2.0	12	<2.0	<2.0	<2.0	<2.0	10,000	10,000
Methyltertiary butylether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	70	70

Notes: Results listed in µg/L (parts per billion-ppb)

EPA test method SW846, 5030/8260

"<" indicates not detected at stated detection limits

".." indicates value not available

Shaded/Bolded cell indicates concentration detected above most stringent Tier I GRO

(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives

TABLE NO. 11
Groundwater Sample Analytical Results: Total RCRA Metals
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	MW-1	MW-1	MW-2	MW-3	MW-3	MW-4	MW-5	Tier I Groundwater Remediation Objectives (Tier I GROs ⁽¹⁾)	
	8/12/04	4/19/05	8/12/04	8/12/04	4/19/05	8/30/04	8/30/04	Class I	Class II
Date of Sample Collection	8/12/04	4/19/05	8/12/04	8/12/04	4/19/05	8/30/04	8/30/04		
Arsenic	15	--	<10	<10	--	<10	<10	50	200
Barium	210	--	62	86	--	70	100	2,000	2,000
Cadmium	<5.0	--	<5.0	<5.0	--	<5.0	<5.0	5.0	50
Chromium	8.3	--	<5.0	<5.0	--	<5.0	<5.0	100	1,000
Lead	17	2.5	5.6	12	2.4	5.2	10	7.5	100
Selenium	<10	--	<10	<10	--	<10	<10	50	50
Silver	<10	--	<10	<10	--	<10	<10	50	--
Mercury	<0.2	--	<0.2	<0.2	--	<0.2	<0.2	2	10

Notes: Results in µg/L (parts per billion)

EPA test method SW846, 3010/6010

Shaded/Bolded cell indicates concentration detected above most stringent Tier I GRO

"<" indicates not detected at stated detection limits

"--" indicates value not available

(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives

TABLE NO. 12
Groundwater Sample Analytical Results: PNA Compounds
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	MW-1	MW-2	MW-3	MW-4 ⁽¹⁾	MW-5 ⁽²⁾	MW-5 ⁽²⁾	Tier 1 Groundwater Remediation Objectives (Tier 1 GROs ⁽³⁾)
	Date of Sample Collection						
Naphthalene	8/18/04	8/18/04	8/18/04	4/19/05	8/30/04	8/30/04	140
Acenaphthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	420
Anthracene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2,100
Fluoranthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	280
Fluorene	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	280
Pyrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	210
CARCINOGENIC PNAs							
Benzo(a)anthracene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.13
Benzo(a)pyrene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.2
Benzo(b)fluoranthene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.18
Benzo(k)fluoranthene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.17
Chrysene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	1.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.3
Indeno(1,2,3-cd)pyrene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.43
NON-CARCINOGENIC PNAs							
Acenaphthylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---
Benzo(g,h,i)perylene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	---
Phenanthrene	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	---

Notes: Results in µg/L (parts per billion)

Shaded/Bolded cell indicates concentration detected above most stringent Tier 1 GRO

EPA Test Method SW846, 3510/8270

"<" indicates not detected at stated detection limits

"--" indicates value not available

(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives

(2) Sample preservation temperature exceeded at unanalytical testing laboratory due to power failure caused by Hurricane Frances.

TABLE NO. 13
Groundwater Sample Analytical Results: PCBs
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	MW-1	MW-2	MW-3	Tier 1 Groundwater Remediation Objectives (Tier 1 GROs) (1)	
				Class I	Class II
Date of Sample Collection	8/18/04	8/18/04	8/18/04		
Aroclor 1016	<0.5	<0.5	<0.5	0.5	2.5
Aroclor 1221	<0.5	<0.5	<0.5	0.5	2.5
Aroclor 1232	<0.5	<0.5	<0.5	0.5	2.5
Aroclor 1242	<0.5	<0.5	<0.5	0.5	2.5
Aroclor 1248	<0.5	<0.5	<0.5	0.5	2.5
Aroclor 1254	<0.5	<0.5	<0.5	0.5	2.5

Notes: Results listed in µg/L (parts per billion-ppb)

EPA test method SW846, 3510/8082

"<" indicates not detected at stated detection limits

"-" indicates value not available

Shaded/Bolded cell indicates concentration detected above most stringent Tier 1 GRO

(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives

APPENDIX A
SRP ENROLLMENT FORMS

Illinois Environmental Protection Agency
Bureau of Land
Remedial Project Management Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

FOR ILLINOIS EPA USE:

LOG No. _____

- \$500 Advance Partial Payment Included
- DRM-2 SRP Form Included
- DRM-3 Request for Assessment Included
- DRM-4 Tax Credit Budget Plan Included

Site Remediation Program Application and Services Agreement (DRM- 1) Form

I. Site Identification:

Site Name: Former Elgin Mental Health Center
Street Address: Southwest Corner of Route 20 and Route 31 (North of Middle Road)
City: Elgin ZIP Code: 60123
County: Kane Approximate Size of Site (Acres): 87.81
Illinois Inventory I. D. Number: _____ U.S. EPA I.D. Number : _____
Site Base Map Attached Illinois EPA Permit(s): _____
LUST/IEMA Incident Number(s), if applicable: _____

ORIGINAL

II. Remediation Applicant ("RA"):

RA's Name: JAMES NICKETIA Title: DIRECTOR OF CORPORATE ENGINEERING
Company: JOHN B SANFELICIANO & SON, INC.
Street Address: 2299 BUSSE ROAD
City: ELK GROVE VILLAGE State: IL ZIP Code: 60007
Phone: 847-593-2300 (FEIN) or SSN: 36-2419677

I hereby certify that I am authorized to sign this application and services agreement. I certify that the proposed project meets the eligibility criteria set forth in Section 58.1(a)(2) of the Environmental Protection Act (415 ILCS 5/58.1(a)(2)) and regulations promulgated thereunder and that this submittal and all attachments were prepared at my direction. In consideration for the Illinois EPA's agreement to provide (subject to applicable law, available resources, and receipt of the advance partial payment) review and evaluation services for activities carried out pursuant to Title 17 of the Illinois Environmental Protection Act (415 ILCS 5/58-58.12), I agree to:

- (1) Conform with the procedures of Title 17 of the Illinois Environmental Protection Act (415 ILCS 5/58 - 58.12) and implementing regulations;
- (2) Allow for or otherwise arrange site visits or other site evaluations by the Illinois EPA when requested;
- (3) Pay any reasonable costs incurred and documented by the Illinois EPA in providing such services*; and
- (4) Make an advance partial payment to the Illinois EPA for such anticipated services provided in Section V of this application.

As the Remediation Applicant, I understand that I may terminate this services agreement at any time, by notifying the Illinois EPA in writing that services previously requested under the services agreement are no longer wanted. Within 180 days after receipt of the notice, the Illinois EPA shall provide me with a final invoice for services provided until the date of receipt of such notification.

To the best of my knowledge and belief, this request and all attachments are true, accurate and complete. I hereby certify that I have the authority to enter into this agreement.

RA's Signature: [Signature] Date: 11/8/05

*In addition to the fees applicable under this Services Agreement, the recipient of a No Further Remediation Letter must pay to the Illinois EPA a No Further Remediation Assessment in the amount of the lesser of \$2500 or an amount equal to the costs incurred by the Illinois EPA under this Agreement (35 IAC 740.615).

RELEASED

III. Project Objectives:

<p>A.</p>	<p>Release Letter Requested. Please complete one of the subsections by checking applicable boxes and including other information (if necessary, additional information may be attached to this application form):</p>	<p><input checked="" type="checkbox"/> Comprehensive No Further Remediation ("NFR") Letter</p> <p><input type="checkbox"/> Focused NFR Letter Identify the focused contaminants of concern by checking the applicable box(es):</p> <p><input type="checkbox"/> Volatiles <input type="checkbox"/> BTEX <input type="checkbox"/> PCBs <input type="checkbox"/> Metals <input type="checkbox"/> Semivolatiles <input type="checkbox"/> PNAs <input type="checkbox"/> Pesticides</p> <p>Other (identify): _____</p> <p><input type="checkbox"/> 4(y) Letter Identify the focused contaminants of concern by checking the applicable box(es):</p> <p><input type="checkbox"/> Volatiles <input type="checkbox"/> BTEX <input type="checkbox"/> PCBs <input type="checkbox"/> Metals <input type="checkbox"/> Semivolatiles <input type="checkbox"/> PNAs <input type="checkbox"/> Pesticides</p> <p>Other (identify): _____</p> <p>Identify the media of concern by checking applicable boxes: <input type="checkbox"/> Soil <input type="checkbox"/> Sediments Other: _____</p> <p>Identify the actions (e.g., drum removal, spill response, etc.):</p> <div style="border: 1px solid black; height: 100px; width: 100%;"></div>										
<p>B.</p>	<p>Identify any support services being sought from the Illinois EPA in addition to the review and evaluation services (if necessary, additional information may be attached to this application form):</p>	<p><input checked="" type="checkbox"/> No additional support services are being sought</p> <p><input type="checkbox"/> Assistance with community relations</p> <p><input type="checkbox"/> Environmental Remediation Tax Credit Budget Review (Attach DRM-4 application)</p> <p><input type="checkbox"/> Sample collection and analyses</p> <p><input type="checkbox"/> Other (identify): _____</p>										
<p>C.</p>	<p>Anticipated Schedule</p>	<table border="1"> <thead> <tr> <th style="width: 50%;">SRP Document</th> <th style="width: 50%;">Projected Date of Receipt by Illinois EPA</th> </tr> </thead> <tbody> <tr> <td>Site Investigation Report</td> <td></td> </tr> <tr> <td>Remediation Objectives Report</td> <td></td> </tr> <tr> <td>Remedial Action Plan</td> <td></td> </tr> <tr> <td>Remedial Action Completion report</td> <td></td> </tr> </tbody> </table>	SRP Document	Projected Date of Receipt by Illinois EPA	Site Investigation Report		Remediation Objectives Report		Remedial Action Plan		Remedial Action Completion report	
SRP Document	Projected Date of Receipt by Illinois EPA											
Site Investigation Report												
Remediation Objectives Report												
Remedial Action Plan												
Remedial Action Completion report												
<p>D.</p>	<p>Identify the current and post-remediation uses of the remediation site (if necessary, additional information may be attached to this application form):</p>	<p>Current Use: Former Mental Hospital Facilities</p> <p>Post-Remediation Use: Industrial/Commercial Use</p>										

IV. Written Permission from the Property Owner (check one of the applicable boxes and provide additional information):

RA is the property owner of the remediation site identified in Section I of this application.

RA is not the property owner of the remediation site identified in Section I of this application.

Property Owner's Name: CITY OF ELGIN

Title: _____

Company: _____

Street Address: 150 DEXTER COURT

City: ELGIN State: IL ZIP Code: 60120-5555 Phone: 847-931-5590

I hereby certify that the Remediation Applicant has my permission to enroll the site identified in Section I of this application into the Illinois EPA Site Remediation Program. I certify that the Remediation Applicant and designated representatives have permission to enter upon the indicated premises for the purpose of conducting remedial investigations or activities.

Owner's Signature:  Date: 11/4/05

OLUFEMI FOLARIN, CITY MANAGER

For multiple property owners, attach additional sheets containing all the information above along with a signed, dated certification for each.

V. Advance Partial Payment:

The Remediation Applicant shall select one of the following advance partial payment plans:

Plan 1: A \$500 advance partial payment is included with this application. Please make the check payable to: "Illinois Environmental Protection Agency". Please include "For Deposit in the Hazardous Waste Fund" and the Remediation Applicant's FEIN or SSN on the check; or

Plan 2: Request that the Illinois EPA determine the appropriate partial payment (i.e., approximately one-half of the total anticipated costs of the Illinois EPA, not to exceed \$5,000). A completed DRM-3 form ("Request for Assessment of Advance Partial Payment for Anticipated Services") must accompany this application so that the Illinois EPA may determine the appropriate advance partial payment specific to the services requested.

NOTE: Illinois EPA cannot refund payments without a legislative appropriation. Payment under Plan 1 accelerates the review process but increases the risk of forfeiting the payment if the applicant is ineligible. Payment under Plan 2 may result in a larger advance partial payment when a final determination is made on the application, but it reduces the risk of forfeiture.

^ If this application contains plans and reports for review and evaluation by the Illinois EPA, a completed Form DRM-2 must also accompany this submittal.

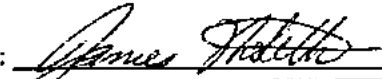
The Illinois EPA is authorized to require this information under Section 415 ILCS 5/58-58.12 of the Environmental Protection Act and regulations promulgated thereunder. Disclosure of this information is required as a condition of participation in the Site Remediation Program. Failure to do so may prevent this form from being processed and could result in your application being rejected. This form has been approved by the Forms Management Center. All information submitted as part of this Application is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines.

**Site Remediation Program Form (DRM-2)
(To Be Submitted with all Plans and Reports)**

I. Site Identification:

Site Name: Former Elgin Mental Health Center
Street Address: Southwest Corner of Route 20 and Route 31 (North of Middle Road)
City: Elgin Illinois Inventory I. D. Number: _____
IEMA Incident Number: _____ **ORIGINAL**

II. Remediation Applicant:

Applicant's Name: MR JAMES NICKETTA Company: JOHN B SANFILIPPO & SON, INC
Street Address: 2299 BUSSE ROAD
City: ELK GROVE VILLAGE State: IL ZIP Code: 60007 Phone: 847-593-2300
I hereby request that the Illinois EPA review and evaluate the attached project documents in accordance with the terms and conditions of the Environmental Protection Act (415 ILCS 5), implementing regulations, and the review and evaluation services agreement.
Remediation Applicant's Signature:  Date: 11/8/05

III. Contact Person:

Contact's Name: MR JAMES NICKETTA Company: JOHN B SANFILIPPO & SON, INC
Street Address: 2299 BUSSE ROAD
City: ELK GROVE VILLAGE State: IL ZIP Code: 60007 Phone: 847-593-2300

IV. Review & Evaluation Licensed Professional Engineer or Geologist ("RELPEG"), if applicable:

RELPEG's Name: _____ Company: _____
Street Address: _____
City: _____ State: _____ ZIP Code: _____ Phone: _____
Registration Number: _____ License Expiration Date: _____

All information submitted is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines. The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/58 - 58.12 of the Environmental Protection Act and regulations promulgated thereunder. Disclosure of this information is required as a condition of participation in the Site Remediation Program. Failure to do so may prevent this form from being processed and could result in your plan(s) or report(s) being rejected. This form has been approved by the Forms Management Center.

V. Project Documents Being Submitted:

Document Title: Site Investigation Report-Comprehensive, Remediation Objective Report & Remedial Action Completion Report Date of Preparation of Plan or Report: 11/14/05
 Prepared by: Pioneer Engineering & Environmental Services, Inc. Prepared for: John B. Sanfilipo & Son, Inc.

Type of Document Submitted:

Site Investigation Report - Comprehensive	Sampling Plan
Site Investigation Report - Focused	Health and Safety Plan
Remediation Objectives Report-Tier 1 or 2	Community Relations Plan
Remediation Objectives Report-Tier 3	Risk Assessment
Remedial Action Plan	Contaminant Fate & Transport Modeling
Remedial Action Completion Report	Environmental Remediation Tax Credit - Budget Plan Review
	Other: _____

Document Title: _____ Date of Preparation of Plan or Report: _____
 Prepared by: _____ Prepared for: _____

Type of Document Submitted:

Site Investigation Report - Comprehensive	Sampling Plan
Site Investigation Report - Focused	Health and Safety Plan
Remediation Objectives Report-Tier 1 or 2	Community Relations Plan
Remediation Objectives Report-Tier 3	Risk Assessment
Remedial Action Plan	Contaminant Fate & Transport Modeling
Remedial Action Completion Report	Environmental Remediation Tax Credit - Budget Plan Review
	Other: _____

VI. Professional Engineer's or Geologist's Seal or Stamp:

I attest that all site investigations or remedial activities that are the subject of this plan(s) or report(s) were performed under my direction, and this document and all attachments were prepared under my direction or reviewed by me, and to the best of my knowledge and belief, the work described in the plan and report has been designed or completed in accordance with the Illinois Environmental Protection Act (415 ILCS 5), 35 Ill. Adm. Code 740, and generally accepted engineering practices or principles of professional geology, and the information presented is accurate and complete.

Engineer or Geologist Name: Jeffrey McClelland Professional Engineer's or Geologist's Seal or Stamp:
 Company: Pioneer Phone: 773.722.9200
 Registration Number: 062-054039
 Signature: [Signature] License Expiration Date: 11/2007

Note: The authority of a Licensed Professional Geologist to certify documents submitted to the Illinois Environmental Protection Agency for review and evaluation pursuant to Title XVII of the Environmental Protection Act is limited to Site Investigation Reports (415 ILCS 58.7(f), as amended by P.A. 92-0735, effective July 25, 2002). A Licensed Professional Geologist cannot certify Remediation Objectives Reports, Remedial Action Plans or Remedial Action Completion Reports.



APPENDIX B

TERRACON'S PHASE I ESA

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**Elgin Mental Health Center
Approximately 90-Acres
Southwest of Route 20 and Route 31
Elgin, Kane County, Illinois 60123**

Project No. 11047718

April 13, 2004

Prepared for:

**City of Elgin
150 Dexter Court
Elgin, Illinois 60120**

Prepared by:

**TERRACON
Naperville, Illinois**

April 13, 2004

Mr. Ray Moller
City of Elgin
150 Dexter Court
Elgin, Illinois 60120

Telephone: (847) 931-6749
Fax: (847) 931-5610

Re: Phase I Environmental Site Assessment
Elgin Mental Health Center
Approximately 90-Acres
Southwest of Route 20 and Route 31
Elgin, Illinois 60123
Project No. 11047718

Dear Mr. Moller:

We are pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. A cursory summary of findings is provided in Section 8.0. However, details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

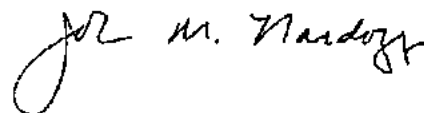
We appreciate the opportunity to perform these services for you. Please contact us if you have questions regarding this information or if we can provide any other services.

Sincerely,

TERRACON



Beth Ayn Swick, P.G.
Phase I ESA Section Manager



John M. Nardozi, P.E.
Environmental Department Manager

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APPENDICES

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APPENDIX B	Historical Documentation
APPENDIX C	Environmental Database Information
APPENDIX D	Site Photographs
APPENDIX E	Description of Terms and Acronyms

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Elgin Mental Health Center
Approximately 90-acres
Southeast of Route 20 and Route 31
Elgin, Kane County, Illinois 60123
Project No. 11047718

EXECUTIVE SUMMARY

This Phase I ESA of the above-referenced site was performed in accordance with our proposal dated February 4, 2004 and in general accordance with the consensus document known as ASTM E 1527-00, a guide for conducting Environmental Site Assessments. Ms. Beth Ayn Swick and Mr. David E. Banker performed the site reconnaissance on March 25, 2004, and April 1, 2004.

The site is located southwest of Route 20 and Route 31 in Elgin, Kane County, Illinois. The site is currently occupied by the Elgin Mental Health Center (EMHC) and the Illinois Department of Human Services. The site buildings discussed in this report are referenced by name and number. The numbers shown reflect the numbering system that has been currently and historically utilized by the EMHC staff.

A cursory summary of findings is provided below. However, details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

- The site, approximately 90-acres in area, is located in the northern portion of the Elgin Mental Health (EMHC) facility. The site is improved with 19 buildings which include the following: Pavilion (#67); Holden Cottage (#72); Hirsch Cottage (#71); Souster Cottage (#70); Hawley Cottage (#69); Jenks Cottage (#68); Staff House (#66); Carriel & Ricketts (#64); Woods Cottage (#61); Garage (#127); Nurses Home (#65); Old Laundry (#49); New Laundry (#109); Carpenter Shop (#40); Salt Shed/Garage (#41); Masonry & Planter's Shop (#35); Implement Shed and Office (#33); Pump and Blower House (#31). The Pavilion (#67) is also currently known as the Administration Building (#67). The former Administration Building (#1) was demolished in the early 1990s. A concrete aboveground water tank is located to the northwest of the pump and blower house (#31). The remaining portions of the site are developed with landscaped areas, paved roadways, concrete walkways, and surface level paved parking areas.
- Review of the readily available historical materials revealed that the site was historically utilized as agricultural land with associated farmsteads in the mid- to late-1880s. The northern portion of the Elgin Mental Health facility's original Administration Building (#1) was constructed in 1872. Subsequently, multiple buildings were constructed across the northern, western, and southern portions of the site. The eastern portion of the site was

utilized as an artificial lake (fire prevention water storage) in the late 1800s to the early 1900s. This area was then filled and utilized as undeveloped grassed and wooded land. The buildings in the northern portion of the site were primarily utilized as patient and staff housing. The Administration Building (#1) remained at the site until 1993 when it was demolished. The buildings located in the western and southern portion of the site were associated with site services, storage, and/or workshops. Several buildings in the southern and western portion of the site were demolished in the 1950s and 1960s. There are currently 19 buildings remaining at the site.

- The regulatory review identified one USEPA CORRACTS facility, six USEPA RCRIS facilities, 10 IEPA LUST facilities, five OSFM UST facilities, and one IEPA SRP facility within the specified search radii. The EMHC facility is listed on the LUST, UST, and RCRIS databases. Three USTs and two LUST incidents are associated with the site portion of the EMHC facility. The two 1,000-gallon USTs located south of the Implement Shed (#33) and the former heating oil UST associated with the former Administration Building (#1) at the site constitute RECs (see Section 4.1). Based upon facility characteristics, environmental setting, and/or distance from the site, the remaining identified regulatory facilities do not appear to constitute recognized environmental conditions (RECs) in connection with the site at this time.

The EDR report indicated that LUST incident #981699 was reported to IEMA on July 13, 1998, and involved a release of diesel fuel. The EDR report indicated that a non-LUST determination letter was issued by the IEPA for LUST incident #981699 on November 30, 1998. According to the IEPA file information, one 1,000-gallon diesel UST failed tank tightness testing in July 1998, and the diesel and gasoline USTs south of the Implement Shed were re-tested after the failure. From August 26 to September 9, 1998, a "tracer" test was performed on the USTs. The product level inside the tank did not change during that period, there was no water found, and there was no "tracer" detected in the soil surrounding the tank. A tank monitoring system was installed, and no noticeable change in volume was detected. Patrick Engineering reported that a pre-mature LUST incident was reported in July 1998, and that the UST does not appear to be leaking. The IEPA reported on November 12, 1998, that based on review of the Patrick Engineering report dated October 9, 1998, there is no reporting requirement for this incident, and a non-LUST status was issued by the IEPA for LUST incident #981699; however, soil borings were not performed to confirm if a leak is actually associated with this UST. Although an IEPA non-LUST determination letter was issued, positive confirmation (soil borings) were not conducted in the area of the 1,000-gallon UST at the site. The 1,000-gallon diesel UST south of the Implement Shed (#33) at the site constitutes a REC.

- Review of the available Sanborn maps, aerial photographs, and historical topographic maps revealed that the site has been developed with a portion of the Elgin Mental Health facility from at least 1891 to 2004. The Sanborn Maps indicated that the site was originally

heated with coal-fired steam. A central heating plant was installed by 1950 and supplied steam to the buildings at the site via a network of steam tunnels. Water was supplied to the site from at least 1891 through 1950 from private water wells located east of Route 31 along the Fox River.

The 1891 Sanborn Map revealed that three coal-fired boilers are shown in the western portion of the former Administration Building (#1) with an adjoining (west) coal house that is connected to the boiler room by an underground shaft. The 1897 Sanborn Map indicated that a Disinfecting House and an Oil House were located to the northwest of the Administration Building (#1). The area depicted as a boiler room on the 1891 map remains as such. The area to the southeast of the Administration Building's boiler room was occupied by four dynamos that were utilized for the generation of electric power. These features are shown on the 1903 and 1913 Sanborn Maps and are not depicted on the 1950 Sanborn Map. The historical presence of the boilers and associated coal storage areas, the electrical generation equipment and the Oil and Disinfecting houses constitute RECs to the site.

- Terracon reviewed available historical material pertaining to the EMHC facility at the Elgin Public Library. This review revealed that in 1886 an irregularly-shaped artificial lake, approximately 400 feet by 150 feet in area, was formed to the east of the Administration Building (#1) and was utilized as a water storage pond. Terracon observed that the area formerly occupied by the artificial lake is currently (2004) filled and vegetated (grassed). Terracon interviewed Mr. David Arvans, Chief Engineer, regarding the filled area at the site. Mr. Arvans reported that the former lake area was filled in the early 1900s, and he was not aware of the origin or nature of the fill materials. The former lake area at the site constitutes a REC due to the unknown source of the fill material associated with this area.

The Administration Building (#1) was originally heated by coal fire boilers and "a small gas manufacturing plant was built to supply gas for lighting and thus replaced the candles, kerosene, and oil lamps then in use." By 1880, the EMHC facility was purchasing gas from the Elgin Gas Light Company. This reference, as well as additional historical sources reviewed, did not reveal the location of the former manufactured gas plant. The historical presence of a manufactured gas plant which may have potentially been located on-site constitutes a REC to the site.

The review of "The History of Elgin Mental Health Center, Evolution of a State Hospital" revealed that as of January 1, 1885, to approximately 1985, electricity was generated on-site from dynamos powered by steam from the on-site boilers. Sanborn Maps revealed that dynamos were located in the Administration Building (#1) from at least 1891 to 1913. The dynamos were removed from the Administration Building (#1) by 1950 and were relocated to the Power House area that adjoins the central portion of the site. The historical on-site power generation constitutes a REC to the site.

- Terracon observed numerous containers at the site. Based on site observations, the observed drums and containers do not appear to constitute a REC at this time with the exception of the drums of waste chloroethylene/tri-chloroethylene and two 55-gallon drums observed to the north of the waste storage AST. The historical use of chloroethylene at the site constitutes a REC. The drums that were observed to the north of the water AST were observed to be bulging, unlabeled, and were on their sides. The on-site observations revealed that these drums constitute a REC to the site.
- Terracon observed one approximately 15,000-gallon heating oil AST southwest of the Power House building. This AST is not located on the current Terracon subject site and is located within the central out-lot area. Mr. Bob Zoller, former Chief Engineer EMHC, reported that one 50,000-gallon heating oil AST was formerly located to the southwest of the Power House and may have partially extended onto the current Terracon subject site. Mr. Zoller stated that the AST was contained in a bermed secondary containment area; however, Mr. Zoller could not confirm if the bermed area utilized a non-permeable barrier/floor. Mr. Zoller indicated that the AST was operated in this area after the EMHC converted the coal-fired boilers associated with the Power House to heating oil and that the AST remained in use until the boilers were converted to natural-gas fired boilers. Mr. Zoller could not confirm the conversion dates. The historical storage and utilization of heating oil at the site constitutes a REC to the site.
- Terracon observed several pad-mounted transformers and one abandoned transformer at the site. EMHC records revealed that the majority of the PCB and/or PCB-containing transformers have been removed from the site or were retro-filled with non-PCB containing oil. The EMHC records did not indicate that soil and/or groundwater sampling was performed in the areas where these transformers were formerly located. Terracon observed an abandoned transformer to the northeast of the concrete water AST located near the Pump and Blower Building (#31). Terracon was not able to identify the serial number on this transformer; however, this transformer was manufactured by Westinghouse. The PCB-content of this abandoned transformer is unknown at this time. The historical presence of PCB and PCB-containing transformers at the site as well as the presence of an abandoned transformer constitute RECs to the site at this time.
- Landscaping debris and remnant coal were observed southwest of the Pump and Blower Building (#31) and north of the Masonry & Planters Shop (#35) along the southwestern site boundary during the site reconnaissance. The review of the PCB records for the EMHC facility revealed that this area was historically utilized for coal staging and the storage of PCB-containing transformers prior to disposal. Leakage, spills, or other releases from these materials were not observed during the visual reconnaissance. The remnant coal materials, the historical storage of coal, and the historical storage of PCB-containing transformers in this area constitutes a REC to the site at this time.

Recommendations

- Based on the findings of this assessment, Terracon recommends that additional investigation be conducted to evaluate if the site has been affected by potential releases from the following:
 - The two 1,000-gallon USTs located south of the Implement Shed (#33) at the site;
 - The historical use of chloroethylene at the site;
 - The presence of two bulging, unlabeled, and up-ended 55-gallon drums located north of the water AST at the site;
 - The historical presence of PCB-containing and/or contaminated transformers at the site;
 - The historical storage and use of heating oil (AST) at the site;
 - The presence of an abandoned Westinghouse transformer at the site; and
 - The historical coal staging area and PCB-containing transformer storage area in the southwestern portion of the site.

Additionally, the following concerns should be noted:

- The presence of underground cisterns associated with the former Administration Building (#1);
- The historical presence of water wells that may not have been properly abandoned;
- The proper removal of medical waste containers from the site; and
- The proper removal of drums and containers from the site.

Terracon recommends that the elevator pits associated with the hydraulic elevators at the site be inspected prior to the commencement of demolition activities.

Terracon recommends that the solids trap associated with the New Laundry Building (#109) be inspected prior to the commencement of demolition activities.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Elgin Mental Health Center
Approximately 90-acres
Southeast of Route 20 and Route 31
Elgin, Kane County, Illinois 60123
Project No. 11047718

1.0 INTRODUCTION

1.1 Site Description

Site Description

Site Name	Elgin Mental Health Center – Northern 90-acres
Site Location/Address	Southwest of Route 20 and Route 31, Elgin, Kane County, Illinois 60123
Land Area	Approximately 90-acres
Primary Site Improvements	19 Structures: Pavilion (#67); Holden Cottage (#72); Hirsch Cottage (#71); Souster Cottage (#70); Hawley Cottage (#69); Jenks Cottage (#68); Staff House (#66); Carriel & Ricketts (#64); Woods Cottage (#61); Garage (#127); Nurses Home (#65); Old Laundry (#49); New Laundry (#109); Carpenter Shop (#40); Salt Shed/Garage (#41); Masonry & Planter's Shop (#35); Implement Shed and Office (#33); Pump and Blower House (#31).
Additional Site Improvements	Landscaped areas, paved roadways, concrete walkways, steam/utility tunnels, water tank, and surface level paved parking areas.

The site location is depicted on Figure 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. A Site Diagram of the site and adjoining properties is included as Figure 2 of Appendix A. Acronyms and terms used in this report are described in Appendix E.

1.2 Scope of Services

This ESA was performed in accordance with our proposal dated February 4, 2004, and in general accordance with the consensus document known as ASTM E 1527-00, a guide for conducting Environmental Site Assessments. The purpose of this ESA was to assist the client in developing information to identify recognized environmental conditions (RECs) in connection with the site as reflected by the scope of this report. This purpose was undertaken through a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations and ASTM deviations are evident from reviewing the applicable scope of services and the report text.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care but may be limited by conditions encountered during performance, a client-driven scope of services, or inability to review information not received by the report date.

Phase I environmental site assessments, such as the one performed at this site, are of limited scope, are noninvasive and cannot eliminate the potential that hazardous, toxic or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations and ASTM Exceptions

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, business environmental risk evaluations or other services not particularly identified and discussed herein. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not or was not received by the issuance date of the report. Consideration of such information is beyond the scope of this assessment. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. Purchase price data, specialized knowledge or experience of the client, and activities and land use limitations, and environmental lien information were not provided by the client for evaluation unless otherwise specified herein. This ESA was further limited by the following:

- *Credentials of the environmental assessors (resumes) and of the company (Statement of Qualifications) have not been included in this report but are available upon request.*

- *Pertinent documents are referred to in the text of this report, and a separate reference section has not been included.*
- *Specific property boundaries for the site were not staked. References to the site property boundaries are based on observations during the site reconnaissance, and the actual site property boundaries may differ.*
- *At the time of the site reconnaissance, Terracon was not able to access the interior of the following buildings due to structural damage: Woods Cottage (#61) and the Old Laundry Building (#49).*
- *A written request was submitted to the local government agency regarding documented recognized environmental conditions on the site. Records were not requested for off-site properties.*

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report has been prepared for the exclusive use and reliance of City of Elgin. Use or reliance by any other party is prohibited without the written authorization of City of Elgin and Terracon.

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Terms and Conditions. The limitation of liability defined in the Terms and Conditions is the aggregate limit of Terracon's liability to the client and all relying parties.

2.0 PHYSICAL SETTING

Physical Setting

PHYSICAL SETTING INFORMATION FOR SITE AND SURROUNDING AREA		SOURCE
Topography (Refer to Appendix A for an excerpt of the Topographic Map)		
<i>Site Elevation</i>	Approximately 760 feet NGVD in the northwestern portion of the site to approximately 730 feet NGVD in the southeastern portion of the site. A depressional area is noted in the southeastern portion of the site.	Elgin, Illinois USGS Topographic Map, Dated 1992
<i>Surface Runoff/ Topographic Gradient</i>	Surface runoff and topographic gradient is to the southeast.	
<i>Closest Surface Water</i>	The Fox River is located approximately 1,000 feet east-southeast of the site.	
FEMA Map		
<i>Zone</i>	Zone X	FEMA Agency Flood Insurance Rate map, Community Panels Numbered 170087-0007 and 170087-0010 dated February 17, 1989
<i>Description:</i>	Areas of minimal flooding	
Soil Characteristics		
<i>Soil Type:</i>	325C: Dresden silt loam – five to ten percent slopes 369B: Waupecan silt loam - two to five percent slopes 792B: Bowes silt loam – two to five percent slopes	Kane County, Illinois USDA, Natural Resource Conservation Service Soil Survey issued April 1979
<i>Description:</i>	325C: This moderately well drained soil is found on side slopes and knolls. Water and air move through this soil at a moderate rate in the surface layer and subsoil and at a rapid rate in the underlying material. Runoff is medium. Available water capacity is high. 369B: This gently sloping well-drained soil is found on broad ridgetops and side slopes on outwash plains. Water and air move through this soil at a moderate rate in the surface layer and subsoil and at a very rapid rate in the underlying material. Runoff is medium. Available water capacity is high. 792B: This gently sloping well-drained is on side slopes, convex ridges, and knolls. Water and air move through this soil at a moderate rate. Runoff is medium. Available water capacity is high.	

Geology/Hydrogeology		
<i>Formation:</i>	<i>Bedrock:</i> Silurian-aged Sedimentary bedrock <i>Surficial Materials:</i> Unconsolidated glacial materials	Stack-unit mapping of Geologic Materials in Illinois to a depth of 15 meters, Illinois State Geologic Survey, 1987 Geologic Map of Illinois, ISGS, 1967
<i>Description:</i>	<i>Bedrock:</i> Racine Formation Dolomite <i>Surficial Materials:</i> Medium textured outwash over sand and gravel	
<i>Primary Aquifer</i>	The site is located within the Glaciated Central Groundwater Region. The principal feature of this region is the yield of groundwater from glacial drift. Outwash plains and buried bedrock valley are the principal sources. Most of the drift is fine grained, but there are numerous sand and gravel deposits. Major bedrock aquifers include limestones and sandstones of Paleozoic age.	Groundwater Regions of the United States Map for the area of the Project, United States Geological Survey, 1984
<i>*Hydrogeologic Gradient:</i>	Not known -- may be inferred to be parallel to topographic gradient (However, see discussion below)	Elgin, Illinois USGS Topographic Map, Dated 1992
<i>Site Water Source</i>	City of Elgin Water Department	Mr. David Arvans, Chief Engineer

*The groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be ascertained.

3.0 HISTORICAL USE INFORMATION

3.1 Historical Topographic Maps

Readily available USGS historical topographic maps were obtained from EDR, Inc., and selected maps were reviewed to identify RECs in connection with the site. Selected historical topographic maps are summarized below:

Historical Topographic Maps

USGS Map/Date	Direction	Description
Elgin, Illinois 1962, 1962 photorevised 1972, 1962 photorevised 1980, and 1992	Site	Numerous buildings, including a large irregular-shaped centrally located building, improved streets, and areas of unimproved land in the central-east and central-west (1962); The addition of one irregular-shaped building in the northeast, and one rectangular-shaped building and one round-shaped structure in the central-western portion of the site (1972); Wooded area in the eastern portion of the site (1980); Four square-shaped buildings in the northwestern portion of the site have been removed, installation of one north to south oriented road in the western portion of the site, and the addition of one square-shaped building in the western portion of the site. The removal of several smaller buildings in the central-western portion of the site and the eastern portion of the site is shown as less wooded (1992)
	North	East to west oriented Route 20 followed by densely developed urban land where only landmark buildings are shown (1962, 1972, 1980, and 1992)
	East	North to south oriented Route 31 followed by two rectangular-shaped buildings to the northeast, undeveloped land and one rectangular-shaped building to the east, and undeveloped land to the southeast (1962); Addition of two rectangular-shaped buildings to the northeast (1972, 1980, and 1992).
	South	East to west oriented street followed by multiple irregular-shaped buildings (1962, 1972, 1980, and 1992)
	West	One north to south oriented street followed by one rectangular-shaped building followed by land that has been mined to the northwest, undeveloped land followed by land that has been mined, and gravel pits to the southwest (1962); Addition of one irregular-shaped building to the northwest (1972, 1980); The removal of one rectangular-shaped building from the northwestern portion of the site (1992)

The review of the available topographic maps revealed that the site was improved with multiple buildings from at least 1962 to 1992. During this period, several buildings were added to the site and several were removed. The eastern portion of the site is shown as wooded in 1980 and partially wooded in 1992. Review of the available topographic maps did not reveal RECs associated with the site.

3.2 Historical Aerial Photographs

Selected historical aerial photographs from the Kane and DuPage Counties Soil and Water Conservation Service Office (KDSWCD) and TerraServer website (<http://terraserver.homeadvisor.msn.com>) were reviewed at approximate 10 to 15 year intervals, as readily available, to identify landuse and potential RECs in connection with the site. A photo's quality and scale may limit evaluation of these aerials. The aerial photographs obtained from the TerraServer website were provided by the USGS through and in cooperation with Microsoft® TerraServer. Selected photographs are summarized below.

Historical Aerial Photographs

Date Source & Photo ID #	Direction	Description
KDSWCDB WU-6-12 September 28, 1939	Site	The northern portion of the site is shown as improved with the E cottages. A small structure is located east of the E Cottages. The eastern-half of Carriel and Ricketts is shown in the northwestern portion of the site. The remaining areas in the northwestern portion of the site are shown as undeveloped vegetated land. The Staff House is shown to the east of Carriel and a grouping of buildings is shown to the southeast of the Staff House. This grouping appears to include Woods Cottage and the Nurses Home. The eastern portion of the site is shown as undeveloped wooded and vegetated land. The southeastern portion of the site is developed with the multi-winged Administration Building (#1) and associated laundry building. Numerous smaller buildings are located to the southwest of the Administration Building (#1). The Whittman building is shown in the southwestern portion of the site followed by Masonry and Planter shop and additional buildings. The central-western portion of the site is shown as undeveloped with several areas of disturbance.
	North	Undeveloped vegetated land followed by an east to west oriented street and residential dwellings.
	East	North to south oriented street followed by undeveloped vegetated land.
	South	Multiple buildings associated with the Elgin Mental Health facility.
	West	Undeveloped vegetated land to the west-northwest and undeveloped vegetated land with areas of disturbance to the southwest.
KDSWCD BWU-3N-83 September 25, 1954	Site	The site remains relatively unchanged with the exception of the following: The western half of the Carriel and Ricketts building is shown in the northwestern portion of the site. Five structures that appear to be staff housing/dwellings are located to the northwest of the Carriel and Ricketts building. An associated north to south oriented access road is depicted to the west of these dwellings. A centrally located power plant, which is not a portion of the site, is shown. Two smokestacks are associated with this centrally located non-site area.
	North, South, and West	Remains relatively unchanged from the 1939 aerial photograph.
	East	Remains relatively unchanged from the 1939 aerial photograph with the exception of the addition of one rectangular-shaped residence in the central portion of this area.
KDSWCD BWU-1BB- 104 September 16, 1961	Site	The site remains relatively unchanged with the exception of the following: a graveled parking area or disturbed area is shown to the east of the Administration Building (#1).
	North	East to west Illinois Route 20 and associated ramps followed by an east to west oriented street and residential dwellings.
	East	Remains relatively unchanged from the 1954 aerial photograph with the exception of the addition of one commercial complex of buildings to the northeast.
	South	Remains relatively unchanged from the 1954 aerial photograph.
	West	Remains relatively unchanged from the 1954 aerial photograph with the exception of additional disturbed areas to the west.

Date Source & Photo ID #	Direction	Description
KDSWCD BWU-3HH- 111 October 2, 1967	Site	The site remains relatively unchanged with the exception of the following: The small structure to the east of the E Cottages has been removed and replaced with Pavilion Building. A rectangular-shaped building, the Laundry Building, is located in the central-western portion of the site. A small square-shaped building and a circular-shaped tank are located to the south of the new Laundry Building. The disturbed area of graveled parking area to the east of the Administration Building (#1) has expanded. It appears that several buildings have been removed from the area northeast of the Administration Building (#1).
	North, East, and South	Remains relatively unchanged from the 1961 aerial photograph.
	West	Remains relatively unchanged from the 1961 aerial photograph with the exception of an east to west oriented road with several areas of disturbance to the north and south of this road.
KDSWCD 1680400 F-9 1974	Site	The site remains relatively unchanged with the exception of the following: The parking area to the east of the Administration Building (#1) is shown as paved and striped.
	North, South, and West	Remains relatively unchanged from the 1967 aerial photograph.
	East	Remains relatively unchanged from the 1974 aerial photograph with the exception of the additional parking areas associated with the complex of buildings to the northeast.
KDSWCD Section 23 1988	Site	The site remains relatively unchanged with the exception of the following: The dwellings located northwest of the Carriel and Ricketts Building have been removed and the area is shown as undeveloped vegetated land. Smaller buildings located in the southwestern portion of the site have been removed. An area southeast of the Pavilion Building is shown as a parking area.
	North and South	Remains relatively unchanged from the 1974 aerial photograph.
	East	Remains relatively unchanged from the 1974 aerial photograph with the exception of the addition of a commercial structure to the northwest of the site.
	West	Remains relatively unchanged from the 1974 aerial photograph with the exception of less areas of disturbance area shown.
KDSWCD Section 23 1993	Site	The site remains relatively unchanged with the exception of the following: The Administration Building (#1) has been removed and rubble is shown in the areas that it formerly occupied. Three buildings remain in the area to the north of the former Administration Building (#1) area. These buildings include the Nurses Home and Woods Cottage as well as a small garage. The smaller buildings to the southwest of the Administration Building (#1) remain. These buildings include the Bakery, a Storage Building, the Fire House, the Barber Shop, and the Studio.
	North, East, West, and South	Remains relatively unchanged from the 1988 aerial photograph.
TerraServer Site March 22, 1999	Site	The site remains relatively unchanged with the exception of the following: The area of the former Administration Building (#1) is shown as undeveloped vegetated land.
	North, East, and South	Remains relatively unchanged from the 1993 aerial photograph.
	West	Remains relatively unchanged from the 1993 aerial photograph with the exception of the development of a mining operation (gravel pit) to the far west of the site.

Review of the available aerial photographs revealed that the site has been developed with numerous buildings from at least 1939 to 1999. The aerial photographs revealed that a centrally located power plant was constructed at Elgin Mental Health Center in the late 1940s – early 1950s. This power plant is not a portion of the site. In the early 1990s, the main building at the site, the Administration Building (#1), was removed. Review of the aerial photographs did not reveal RECs associated with the site.

3.3 Historical Fire Insurance Maps

In the late nineteenth century, the Sanborn Company began preparing maps of central business districts for use by fire insurance companies. These maps were updated and expanded geographically periodically through the twentieth century. The Sanborn maps often indicate construction materials of specific building structures and the location of gasoline storage tanks.

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR, Inc. and were also reviewed at the Elgin Public Library to evaluate past uses of the site and adjoining properties.

The table below summarizes the review of the maps provided:

Historical Fire Insurance Maps

Date, Source and Map ID#	Property	Address/Listings from Historical Fire Insurance Maps
1891 Elgin Library Page 25	Site	The central portion of the site was mapped by Sanborn in 1891. The remaining areas of the site are not depicted on this map. The Administration Building (#1) is depicted as a multi-winged building with female and male wards and an executive department. Three coal-fired boilers are shown in the western portion of the Administration Building (#1) with an adjoining (west) coal house that is connected to the boiler room by an underground shaft. Smaller buildings, including a root cellar, a hot house, a paint shop, a refrigerator building, and a building occupied by a fire station, soft soap factory, and a repair shop (#58), are located to the southwest of the Administration Building (#1).
	Adjoining North, East, South, and West	Not depicted on the 1819 Sanborn Maps.

Date, Source and Map ID#	Property	Address/Listings from Historical Fire Insurance Maps
1897 Elgin Library and EDR, Inc.	Site	Additional buildings are depicted at the site. A Disinfecting House and an Oil House are located to the northwest of the Administration Building (#1). The area to the southeast of the Administration Building's boiler room is occupied by four dynamos that were utilized for the generation of electric power. A Conservatory Building, heated by two hot water boilers, is shown to the northeast of the Administration Building (#1). Stables, a straw barn, and an icehouse are shown to the west of the root cellar in the southwestern portion of the site.
Page 32	Adjoining North, East, West, and South	Not depicted on the 1897 Sanborn Maps.
1903 Elgin Library and EDR, Inc.	Site	Additional buildings are depicted at the site. Two dwellings are shown to the northwest of the icehouse located in the southwestern portion of the site. The boilers, electric generation equipment, Oil and Disinfecting Houses remain as depicted on the 1897 map.
Page 32	Adjoining North, East, West, and South	Not depicted on the 1903 Sanborn Maps.
1913 Elgin Library and EDR, Inc.	Site	Additional buildings are depicted at the site. A Bakery (#56), a Storage Building (#48), and a tin shop are located to the southwest of the Administration Building (#1). A Laundry Building (#40) is shown to the north of the boiler room. The Oil and Disinfecting Houses are shown between the coalhouse and the Laundry Building (#40). The Nurses Dormitory (#61) is shown to the north of the Administration Building (#1). The Conservatory (#84) and associated greenhouses are located to the east of the Nurses Dormitory (#61).
Page 80	Adjoining North, East, West, and South	Not depicted on the 1913 Sanborn Maps.

Date, Source and Map ID#	Property	Address/Listings from Historical Fire Insurance Maps
1950 Elgin Library and EDR, Inc. Page 80 and Page 1	Site	<p>Additional buildings are depicted at the site. The building formerly depicted as the Nurses Dormitory is now shown as Woods Cottage (#61). Two dwellings and the Nurses Home (#65) are shown to the northeast of the Administration Building (#1). The Conservatory (#84) remains to the east of Woods Cottage (#61). The Staff House (#66) is shown to the far north of the Laundry (#40). The Employees Building (#64) and associated annex is shown to the west of Woods Cottage (#61). This building was built in 1951. The centrally located power plant and associated buildings are shown to the northwest of the Administration Building (#1). This area is not a portion of the site; however, a gasoline tank is shown in the western portion of this area. Additions to the four corners of the Laundry Building (#40) are shown. Employees Homes (#75-#79) and a developed road are shown to the northwest of the Employees Building (#64). The boiler room and associated coalhouse, the electric generation area, and the Oil and Disinfecting Houses are not shown on this map. A Biology and Pathology Laboratory Building (#44), a Barber Shop (#39), a dairy (#28), A Carpenters Shop with associated lumber storage (#40), and the Whitman Building (#43) are shown to the southwest of the Administration Building (#1). The building formerly housing the tin shop is depicted as a paint shop. The Patients Wash and Shower Building (#42) is located north of the Carpenters Shop (#40).</p> <p>The northern portion of the site is shown as improved with five E Cottages: Holden Cottage (#72); Hirsch Cottage (#71) Jenks Cottage (#68); Souster Cottage (#70), and Hawley Cottage (#69). The North Cottage and gatehouse are located to the northeast of Holden Cottage (#72).</p>
	Adjoining North, East, West, and South	Not depicted on the 1950 Sanborn Maps.
1969 EDR, Inc. Page 80 and Page 1	Site	A notation of this map indicated that the site is a portion of state property and has not been up-dated.
	Adjoining North, East, West, and South	Not depicted on the 1969 Sanborn Maps.

Review of the available Sanborn maps revealed that the site has been developed with a portion of the Elgin Mental Health Center, also known as the Illinois Northern Insane Hospital and Elgin State Hospital, from at least 1891 to 1969. The Sanborn Maps indicated that the site was originally heated with steam that was coal-fired. The lights were electric by 1891. A central heating plant was installed by 1950 and supplied heat/steam to the buildings at the site via steam tunnels. The 1950 Sanborn Map indicated that a gasoline tank was associated with this area of the Elgin Mental Health Facility. The central heating plant is not a portion of the site. Water was supplied to the site from at least 1891 through 1950 from private water wells located east of Route 31 along the Fox River.

The 1891 Sanborn Map revealed that three coal-fired boilers are shown in the western portion of the Administration Building (#1) with an adjoining (west) coal house that is connected to the boiler room by an underground shaft. The 1897 Sanborn Map indicated that a Disinfecting House and an Oil House are located to the northwest of the Administration Building (#1). The area depicted as a boiler room on the 1891 map remains as such. The area to the southeast of the Administration Building's boiler room is occupied by four dynamos that were utilized for the generation of electric power. These features are shown on the 1903 and 1913 Sanborn Maps and are not depicted on the 1950 Sanborn Map. The historical presence of the boilers and associated coal staging areas, the electrical generation equipment and the Oil and Disinfecting houses constitute RECs to the site.

3.4 Ownership Information

At the direction of the client, land title records were not reviewed as part of the scope of services.

3.5 Historical Interviews

Terracon interviewed Mr. David Arvans, Chief Engineer of the Elgin Mental Health (EMHC) facility, and Mr. Gordy Roess, Assistant Engineer of the EMHC facility, on March 10, 2004. Mr. Arvans reported that he has been an employee of the EMHC facility since early 2004, and Mr. Roess stated that he has been an employee of the EMHC facility since approximately 1979. Mr. Arvans and Mr. Roess reported that prior to being developed with the EMHC facility, the site was utilized as agricultural land. Mr. Arvans and Mr. Roess reported that the main building at the site, the former Administration Building (#1) was constructed in 1872 and was demolished in 1993-1994. Mr. Arvans and Mr. Roess reported that the site has been associated with mental health care from 1872 to 2004. Mr. Arvans and Mr. Roess reported that the E cottages, located in the northern portion of the site, were formerly utilized as dormitory buildings and are currently vacant. The building currently occupied by the Illinois Department of Human Resources was built in the late 1960s and was utilized historically as an office building.

Mr. Arvans and Mr. Roess reported that the far eastern portion of the site was formerly utilized as a pond with islands. The pond was artificially created as a holding pond for fire protection, but was filled in the late 1800's - early 1900s. Mr. Arvans and Mr. Roess were not aware of the nature or source of the fill materials.

The buildings at the site were formerly heated with steam that was provided from the centrally located power plant. The power plant and surrounding buildings are not a portion of the site. Mr. Arvans and Mr. Roess stated that, to the best of their knowledge, heating oil USTs or other USTs are not associated with the site buildings; however, USTs and an AST are associated with the central power plant. Mr. Arvans and Mr. Roess reported that the site was

historically serviced by an on-site fire department which operated at the site until 1988. Currently, the Elgin Fire Department responds to the site.

Mr. Arvans and Mr. Roess reported that several PCB-containing transformers were formerly utilized at the site; however, to the best of their knowledge, the PCB-containing transformers have been removed from the site. Mr. Arvans and Mr. Roess were not aware of remedial actions associated with the removal of the PCB-containing transformers at the site.

Mr. Arvans and Mr. Roess reported that the employee dwellings formerly located in the northwestern portion of the site were burned down in the late 1970's early 1980's, and that the debris was reportedly removed from the site. Mr. Arvans and Mr. Roess reported that it was a common practice to demolish structures at the site by burning them down. Mr. Arvans and Mr. Roess could not provide Terracon with information as to which buildings were demolished by fire and/or the disposition of the debris.

3.6 Prior Report Review

Previous environmental reports (Phase I ESAs, Site Investigations, and or remedial reports) for the site were not provided for review. Elgin Mental Health Center provided Terracon with asbestos reports, review of available blueprints, and review of the Elgin Mental Health Center Master Plan.

4.0 REGULATORY RECORDS REVIEW

The United States EPA and State of Illinois database information was provided by EDR, Inc., a contract information services company, for indications of environmental concern on and in the vicinity of the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated, and the scope herein did not include location of facilities listed as "unmappable".

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be ascertained.

4.1 Federal and State Databases

Listed below are the names and number of facilities identified on federal and state databases within the indicated search areas. Database definition, descriptions, and the database search report are included in the Appendices.

Federal and State Databases

Database	Description	Radius (Miles)	Facilities
Federal			
NPL	The National Priorities List (NPL) is the USEPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.	1.0	0
CERCLIS/ NFRAP	The CERCLIS database is a compilation of facilities which the USEPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980. NFRAP (No Further Remedial Action Planned) refers to facilities that have been removed and archived from its inventory of CERCLA sites.	0.5	0
RCRA CORRACTS	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials that are undergoing "corrective action". A "corrective action" order is issued when there has been a release of hazardous waste or constituents into the environment from a RCRA facility.	1.0	1
RCRA TSD	The RCRA TSD Database is a compilation by the USEPA of facilities that report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS database, the RCRA TSD database does not include RCRA facilities where corrective action is required.	0.5	0
RCRA Generators	The Resource Conservation and Recovery Act (RCRA) Generators database, maintained by the USEPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as large, small, or conditionally exempt. Large quantity generators (LQG) produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. Small quantity generators (SQG) produce 100-1000 kg/month of non-acutely hazardous waste. Conditionally exempt small quantity generators (CESQG) are those that generate less than 100 kg/month of non-acutely hazardous waste.	0.5	6
ERNS	The Emergency Response Notification System (ERNS) is a listing compiled by the USEPA on reported releases of petroleum and hazardous substances to the air, soil and/or water.	Site	0
State			
SHWS	The IEPA maintains a database of state equivalent national priority list (SPL) facilities in the State of Illinois.	1.0	0
SRP	The IEPA maintains a database that contains sites which have voluntarily enrolled in the Site Remediation Program (SRP). This program provides oversight of the site assessment and site remediation performed by the voluntary parties. The intent of this program is to provide applicants the opportunity to receive review and evaluation services, technical assistance and no further remediation determinations from the IEPA.	0.5	1
SWF	The IEPA maintains a database of Solid Waste Facilities located within Illinois. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.	0.5	0

Database	Description	Radius (Miles)	Facilities
LUST	The IEPA provides a computer-generated database of the Leaking Underground Storage Tanks in the State of Illinois.	0.5	10
UST	The OSFM has compiled a database of registered Underground Storage Tanks in the State of Illinois, which may include the owner and location of the USTs. This database may also include registered Above ground Storage Tanks (ASTs).	0.1	5

The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities. Additional discussion for selected facilities may follow the summary table.

Listed Facilities

Facility Name and Location	Estimated Distance/Direction/Topographic Position	Database Listings
Elgin Mental Health Ctr, 750 South State Street, Elgin, IL 60123	Site and Adjoining	UST
DHS Elgin Mental Health Center, 750 South State Street, Elgin, IL 60123	Site	LUST
Elgin Mental Health Ctr, 750 South State, Elgin, IL 60123	Site	RCRIS, LUST, FTTS
Illinois Racing Board Laboratory, 750 South State Mendel Building EMHCC, Elgin, IL 60120	Adjoining to southwest	RCRIS
Central Blacktop Co Inc., Rte 30, Elgin, IL 60177	Approximately one mile / South / Cross-gradient	RCRIS
Pet-Ag Inc, 30W432 Route 20, Elgin, IL 60120	Approximately 900 feet / West-northwest / Up-gradient	UST
Ill Dept of Trans / CMS / IL Central Management Serv Dept of Vehicles / Elgin State Garage, 595 South State Street, Elgin, IL 60123	Approximately 900 feet / East-northeast / Cross-gradient	LUST, UST, RCRIS
Star Displays Inc., 38W636 Route 20, Elgin, IL 60123	Approximately 1,000 feet / West-northwest / Up-gradient	RCRIS
ISP Dist 2 Elgin HQ, 777 South State Street, Elgin, IL 60123	Approximately 1,300 feet / South-southeast / Down-gradient	RCRIS
Il Depart of State Police, 777 South State, Elgin, IL 60123	Approximately 1,300 feet / South-southeast / Down-gradient	UST
Katz & Sons West, 438 South State, Elgin, IL 60120	Approximately 1,600 feet / Northeast / Cross-gradient	UST
Elgin Sanitary District of, 875 South State Street, Elgin, IL 60120	Approximately 1,900 feet / South / Cross-gradient	UST

Facility Name and Location	Estimated Distance/Direction/Topographic Position	Database Listings
Pace River Division / Pace Suburban Bus, 975 South State, Elgin, IL 60123	Approximately 2,100 feet / South / Down-gradient	LUST, RCRIS
Boncosky Oil Co., 355 Hendea Street, Elgin, IL 60123	Approximately 2,700 feet / Northeast / Cross-gradient	LUST
State & Walnut Quik Mart, 300 South State, Elgin, IL 60120	Approximately 2,900 feet / North-northeast / Cross-gradient	LUST
AIP Prod., 2051 North La Fox, Elgin, IL 60177	Approximately 2,900 feet / South / Cross-gradient	LUST
Pit Shop The, 268 South State Street, Elgin, IL 60123	Approximately 3,000 feet / North-northeast / Cross-gradient	RCRIS, LUST
LEWA Co., 5 West Walnut Avenue, Elgin, IL 60123	Approximately 3,300 feet / North-northeast / Cross-gradient	LUST
Speedway Superamerica / EMRO Marketing No. 7617, 771 Walnut Avenue, Elgin, IL 60123	Approximately 3,600 feet / Northwest / Cross-gradient	RCRIS, LUST
Elgin American Gas Company, 32 National Street, Elgin, IL 60120	Approximately 3,600 feet / Northeast / Cross-gradient	SRP
Central Blacktop Co, Route 31, Elgin, IL 60177	Approximately 3,600 feet / South-southwest/ Cross-gradient	LUST
DSM Desotech Inc, 1122 St. Charles Road, Elgin, IL 60120	Approximately 5,200 feet / East-southeast / Down-gradient	CORRACTS

Elgin Mental Health Ctr, 750 South State Street, Elgin, IL 60123

The following USTs are listed as associated with the Elgin Mental Health Center:

UST Number	Capacity and Material	Status	Location
1	2,000-gallon diesel	Installed 1968 – Removed 1998	Medical Building (#108) (off-site ~500 feet SW of the site)
2	500-gallon diesel	Installed 1966 – Removed 1998	Chiller House (#107) (off-site; ~800 feet SW of site)
3	500-gallon diesel	Removed 1989	East of Ground Maintenance Building (#57) (off-site ~75 feet)
4	500-gallon gasoline	Removed 1989	East of Ground Maintenance Building (#57) (off-site ~75 feet)

UST Number	Capacity and Material	Status	Location
5	1,000-gallon diesel	Installed 1989 – Currently in use, meets 1998 federal compliance	Located south of the Implement Shed (#33) (on-site)
6	1,000-gallon gasoline	Installed 1989 – Currently in use, meets 1998 federal compliance	Located south of the Implement Shed (#33) (on-site)
7	1,000-gallon heating oil	Exempt from registration, last used in 1973	Associated with the former Administration Building (#1) (on-site)
8	1,000-gallon diesel	Installed 2000 – Currently in use, meets 1998 federal compliance	Associated with an emergency generator located in the southern portion of the EMHC facility. (off-site; ~800 feet SW of site)
9	1,000-gallon diesel	Installed 2000 – Currently in use, meets 1998 federal compliance	Associated with an emergency generator located in the southern portion of the EMHC facility. (off-site; ~800 feet SW of site)

Although there are nine USTs associated with the EMHC facility, visual reconnaissance revealed that the following USTs are or were located at the site:

- One 1,000-gallon diesel UST located south of the Implement Shed (#33);
- One 1,000-gallon gasoline UST located south of the Implement Shed (#33); and
- One 1,000-gallon heating oil UST located in the former area of the Administration Building (#1).

The 1,000-gallon heating oil UST was discovered at the site in 1993 during demolition activities and is discussed below (see LUST incident #940022 discussion below). The 1,000-gallon diesel UST and the 1,000-gallon gasoline UST are located south of the Implement Shed (#33) in the southwestern portion of the site. One of 1,000-gallon USTs failed a tank tightness test and a LUST incident was declared (see LUST incident #981699 discussion below).

The EDR report also revealed that a Section Six PCB investigation was conducted at the Elgin Mental Health facility in February 1986 (see Section 5.1).

The Elgin Mental Health facility is a listed small-quantity RCRIS generator facility. The EDR report revealed that reported RCRIS violations are not associated with the Elgin Mental Health facility.

The EDR report revealed that the following LUST incidents were reported for the Elgin Mental Health facility:

LUST incident #891217 was reported to IEMA on July 12, 1989, and involved a release of gasoline. The EDR report indicated that that LUST incident #891217 remains open and unresolved. Terracon submitted a FOIA to the IEPA LUST division to obtain file information pertaining to this LUST incident. According to the IEPA file information, two 550-gallon USTs were being removed and corrosion holes were noted. The LUST file indicated that contaminated soil was also discovered during removal activities. Illinois RCRIS generator ID #0894385165 was assigned to the Elgin Mental Health facility for the removal of approximately 150 cubic yards of contaminated soil. The *UST Closure and Corrective Action* report, dated June 19, 1990, revealed that UST were located east of Ground Maintenance Building (#57). The Ground Maintenance Building (#57) is located in the western portion of the Power Plant area that is not a portion of the site. The report indicated that groundwater was not encountered during the UST removal. The IEPA responded on June 28, 1990, indicating that soil samples need to be collected from the excavation and analyzed for BTEX. Additional information pertaining to this LUST incident was not contained in the IEPA LUST file for LUST incident #891217. Based on distance from the site, absence of groundwater in the excavation, and the removal of the USTs and associated contaminated soil, LUST incident #891217 does not constitute a REC to the site.

LUST incident #981344 was reported to IEMA on June 5, 1998, and involved a release of diesel fuel. The IEPA issued an NFR letter for LUST incident #981344 on March 22, 1999. Terracon submitted a FOIA to the IEPA LUST division to obtain file information pertaining to this LUST incident. According to the IEPA file information, the 500-gallon diesel fuel UST was formerly located approximately 800 feet southwest of the site north of the chiller house. This LUST incident received IEPA closure and does not constitute a REC to the site.

LUST incident #940022 was reported to IEMA on January 4, 1994, and involved a release of heating oil. The EDR report revealed that an IEPA Section 57.59(g) letter was issued on December 27, 1994, for LUST incident #940022. Terracon submitted a FOIA to the IEPA LUST division to obtain file information pertaining to this LUST incident. According to the IEPA file information, one 1,000-gallon heating oil UST was discovered during demolition activities at the site. This UST was reportedly out of use prior to December 31, 1973. Never the less, the EMHC performed corrective actions in response to the release of petroleum product. Approximately 20 cubic yards of contaminated soil were removed, and five soil samples were collected from the UST excavation and were analyzed for BTEX and PNAs. The results indicated that BTEX and PNA constituents above current soil remediation criteria

were not detected and therefore, in Terracon's opinion, does not constitute a REC and does not warrant additional remedial actions.

As the UST was used exclusively to store heating oil for consumptive use on the premises where stored and which serves other than a farm or residential unit, the OSFM is not required to issue an Order for Removal. Additionally, owner/operators who report an occurrence as a result of a release from such USTs are not required to perform corrective action pursuant to 57.1(b) of Section 57.5 (g) of the Illinois Environmental Protection Act.

DHS Elgin Mental Health Center, 750 South State Street, Elgin, IL 60123

The EDR report indicated that LUST incident #981699 was reported to IEMA on July 13, 1998, and involved a release of diesel fuel. The EDR report indicated that a non-LUST determination letter was issued by the IEPA for LUST incident #981699 on November 30, 1998. Terracon submitted a FOIA to the IEPA LUST division to obtain file information pertaining to this LUST incident. According to the IEPA file information, one 1,000-gallon UST failed tank tightness testing in July 1998, and the tanks were re-tested after the failure. From August 26 to September 9, 1998, a "tracer" test was performed on the USTs. The product level inside the tank did not change during that period, there was not water found, and there was no "tracer" detected in the soil surrounding the tank. A tank monitoring system was installed, and not noticeable change in volume was noted. Patrick Engineering reported that a pre-mature LUST incident was reported in July 1998, and that the UST does not appear to be leaking. The IEPA reported on November 12, 1998, that based on review of the Patrick Engineering report dated October 9, 1998, there is no reporting requirement for this incident, and a non-LUST status was issued by the IEPA for LUST incident #981699; however, soil borings were not performed to confirm if a leak is actually associated with this UST. Although an IEPA non-LUST determination letter was issued, positive confirmation (soil borings) were not conducted in the area of the 1,000-gallon UST at the site. The 1,000-gallon UST at the site constitutes a REC.

Illinois Racing Board Laboratory, 750 South State Mendel Building EMHCC, Elgin, IL 60120

The EDR report indicated that this laboratory is located in the Mendel building which is located approximately 200 feet to the southwest of the site. According to the EDR report, reported RCRIS violations are not associated with this facility. Based on the distance from the site and the absence of reported RCRIS violations, the Illinois Racing Board Laboratory does not constitute a REC to the site.

Central Blacktop Co Inc., Rte 30, Elgin, IL 60177

The EDR report indicated that this facility is located in the northeastern portion of the site; however, visual reconnaissance revealed that this facility is not located at the site. This facility is actually located approximately one mile south of the site on Illinois Route 31. The EDR report indicated that reported RCRIS violations are not associated with this facility. Based on

distance from the site, apparent groundwater flow direction, and the absence of reported releases, the Central Blacktop Co facility does not constitute a REC to the site.

Pet-Ag Inc, 30W432 Route 20, Elgin, IL 60120

The EDR report indicated that this facility is located approximately 900 west-northwest of the site in a topographically up-gradient position relative to the site. The EDR report revealed that one 300-gallon heating oil UST, currently exempt from registration, is associated with this facility. This facility is not listed on the LUST database. Based on distance from the site and the absence of reported releases, the Pet-Ag facility does not constitute a REC to the site.

Ill Dept of Trans / CMS / IL Central Management Serv Dept of Vehicles / Elgin State Garage, 595 South State Street, Elgin, IL 60123

The EDR report indicated that this facility is located approximately 900 feet east-northeast of the site in a topographically down-gradient position relative to the site. Visual reconnaissance revealed that this facility is located across Illinois State Route 31 to the northeast of the site. This facility is a listed RCRIS facility with no reported RCRIS violations. Additionally, this facility is listed on the UST and LUST databases. The EDR report indicated that the LUST incident associated with this facility (LUST #992177) received an IEPA NFR letter (closure) on November 30, 1999. Based on distance from the site, apparent groundwater flow direction, IEPA LUST closure, and absence of reported violations, the Ill Dept of Trans facility does not constitute a REC to the site.

Remaining listed facilities do not appear to constitute recognized environmental conditions at this time based upon a distance of approximately 1,000 feet from the site, apparent groundwater flow direction, and/or regulatory status.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The EDR, Inc. report listed 36 facilities in the unmapped section. These facilities are listed in the EDR, Inc. report in Appendix C. Determining the location of unmapped facilities is beyond the scope of this assessment.

4.2 Local Agency Inquiries

4.2.1 Office of the State Fire Marshal

Terracon submitted a Freedom of Information Act (FOIA) request to the Illinois Office of the State Fire Marshal (OSFM) regarding documentation which might indicate recognized environmental conditions on the site. The OSFM responded and returned copies of the available records pertaining to USTs at the Elgin Mental Health facility. The review of the OSFM information revealed the following information:

UST Number	Capacity and Material	Status	Location
1	2,000-gallon diesel	Installed 1968 – Removed 1998	Medical Building (#108) (off-site ~500 feet SW of the site)
2	500-gallon diesel	Installed 1966 – Removed 1998	Chiller House (#107) (off-site; ~800 feet SW of site)
3	500-gallon diesel	Removed 1989	East of Ground Maintenance Building (#57) (off-site ~75 feet)
4	500-gallon gasoline	Removed 1989	East of Ground Maintenance Building (#57) (off-site ~75 feet)
5	1,000-gallon diesel	Installed 1989 - Currently in use, meets 1998 federal compliance	Located south of the Implement Shed (#33) (on-site)
6	1,000-gallon gasoline	Installed 1989 - Currently in use, meets 1998 federal compliance	Located south of the Implement Shed (#33) (on-site)
7	1,000-gallon heating oil	Exempt from registration, last used in 1973	Associated with the former Administration Building (#1) (on-site)
8	1,000-gallon diesel	Installed 2000 – Currently in use, meets 1998 federal compliance	Associated with an emergency generator located in the southern portion of the EMHC facility. (off-site; ~800 feet SW of site)
9	1,000-gallon diesel	Installed 2000 – Currently in use, meets 1998 federal compliance	Associated with an emergency generator located in the southern portion of the EMHC facility. (off-site; ~800 feet SW of site)

The OSFM records revealed that the 1,000-gallon heating oil UST was removed during demolition activities in January 1994. The OSFM Log of UST Removal revealed that the UST contained a "minor amount of product" and that the UST was "removed without permit at the time". The OSFM was not present during the removal.

The OSFM records revealed that the 500-gallon diesel UST and the 2,000-gallon diesel UST were removed in 1998 because they were being replaced. The OSFM Log of UST Removal

revealed that the pipes were also removed when the USTs were removed. A LUST incident, incident #981344, was declared when the 500-gallon diesel UST was removed. The Illinois Emergency Management Agency (IEMA) Field Report revealed a two foot by two foot area of soil appeared to be impacted from what appeared to be an overfilling/spill caused by a fuel delivery person. The estimated amount of release was less than one-gallon.

A July 1998 tank tightness testing report (Tanknology) revealed that the 1,000-gallon diesel UST was found to be leaking. The test revealed that the UST would not "hold vacuum" and that "there was a bubble signature". A LUST incident was declared (LUST #981699) for the two 1,000-gallon diesel and gasoline USTs.

The OSFM records that were provided to Terracon did not contain a site sketch depicting the location of the UST at the Elgin Mental Health facility.

4.2.2 Illinois Environmental Protection Agency

Terracon submitted a FOIA to the Illinois Environmental Protection Agency (IEPA) regarding documentation which might indicate recognized environmental conditions on the site. Terracon requested information for the LUST incidents that are associated with the site. The IEPA responded and returned copies of the available records pertaining to LUST incidents at the Elgin Mental Health facility. The review of the LUST incident information is presented in Section 4.1 of this report.

4.2.3 Elgin Public Library

Terracon reviewed available historical material pertaining to the EMHC facility at the Elgin Public Library. A review of "Elgin, Illinois "Wish You Were Here", A Postcard History Series" revealed that the original building at the site, the Administration Building (#1), was under construction from 1870 to 1874. In 1886, an irregularly-shaped artificial lake, approximately 400 feet by 150-200 feet in area, was formed to the east of the Administration Building (#1) as a water storage area. The depth varied up to approximately eight feet, and the water capacity was estimated to be three to four million gallons. According to "The History of Elgin Mental Health Center, Evolution of a State Hospital", "beneath the thin layer of topsoil was a dense bed of easily permeable gravel and construction involved bringing in 4,500 cubic yards of clay to form a liner for the lake bottom." This lagoon was drained sometime after 1900. Terracon observed that the area formerly occupied by the artificial lake is currently (2004) filled and vegetated (grassed). Terracon interviewed Mr. David Arvans, Chief Engineer, regarding the filled area at the site. Mr. Arvans reported that the former lake area was filled in the early 1900s, and he was not aware of the origin or nature of the fill materials. The former lake area at the site constitutes a REC due to the unknown source of the fill material associated with this area.

A review of "The History of Elgin Mental Health Center, Evolution of a State Hospital" revealed that the site was formerly a portion of the Chisholm and the Heath family's farms, and that several of the original farm buildings were incorporated into the early stages of the EMHC facility. The 1871 plat map depicted a two-story house in the northeastern portion of the site where the current Pavilion Building stands. This farmhouse was converted to a patient cottage in 1889.

Originally, drinking water was provided to the site by on-site well(s), and "underground cisterns were also added to collect rain water of the roofs." At least one of the cisterns measures 12' by 24' feet in area. An approximately 2,000 foot deep artesian well was originally located near the Administration Building (#1). A second deep well was installed at the site, and was subsequently replaced in the late 1940s.

The former Administration Building (#1) was originally heated by coal fired boilers and "a small gas manufacturing plant was built to supply gas for lighting and thus replaced the candles, kerosene, and oil lamps then in use." By 1880, the EMHC facility was purchasing gas from the Elgin Gas Light Company. This reference as well as additional historical sources reviewed did not reveal the location of the former manufactured gas plant. The historical presence of a manufactured gas plant which may have potentially been located on-site constitutes a REC to the site.

The review of "The History of Elgin Mental Health Center, Evolution of a State Hospital" revealed that as of January 1, 1885, to approximately 1985, electricity was generated on-site from dynamos powered by steam from the on-site boilers. Sanborn Maps revealed that dynamos were located in the Administration Building (#1) from at least 1891 to 1913. The dynamos were removed from the Administration Building (#1) by 1950 and were relocated to the Power House area that adjoins the central portion of the site. The historical on-site power generation constitutes a REC to the site.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. A summary of information obtained from interviews and other references presented in the following subsections is also provided. Figure 2 in Appendix A is a Site Diagram of the site. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix D.

General Site Information

Site Reconnaissance				
<i>Field Personnel</i>	Ms. Beth Ayn Swick and Mr. David Banker			
<i>Reconnaissance Date</i>	March 25, 2004 and April 1, 2004			
<i>Weather</i>	Rainy/Cloudy (March 25) and Sunny/Clear (April 1)			
<i>Site Contact/Title</i>	Terracon was unaccompanied (March 25) and Mr. John Boldman, Building Manager (April 1)			
Site Description				
<i>Site Name</i>	Elgin Mental Health Facility; North 90-acres			
<i>Site Location/Address</i>	Southeast of Route 20 and Route 31, Elgin, Kane County, Illinois 60123			
<i>Adjoining Streets</i>	Illinois Route 31 to the east and Illinois Route 20 to the north			
<i>Land Area</i>	Approximately 90-acres			
Land Area Description				
<i>No. of Buildings</i>		<i>Year Constructed</i>	<i>Approx. Square Footage</i>	<i>No. of Floors</i>
	19			
Pavilion (#67)		1968	28,812 SF	Two-stories with a basement
Holden Cottage (#72)		Late 1920s	16,205 SF	Single-story with a basement
Hirsch Cottage (#71)		Late 1920s	16,205 SF	Single-story with a basement
Souster Cottage (#70)		Late 1920s	16,205 SF	Single-story with a basement
Hawley Cottage (#69)		1937	16,729 SF	Single-story with a basement
Jenks Cottage (#68)		Late 1920s	14,879 SF	Single-story with a basement
Staff House (#66)		1936	35,700 SF	Two-story with basement and attic
Carriel (#64)		1937	50,721 SF	Two-story with basement
Ricketts (#63)		1947	33,120 SF	Two-story with basement
Woods Cottage (#61)		1907	9,472 SF	Two-story with basement
Garage (#127)		1968	540 SF	Single-story
Nurses Home (#65)		1910	12,706 SF	Two-story with partial basement, crawlspace, and attic
Old Laundry (#49)		1928/ North side addition in 1944	14,812 SF	Single-story
New Laundry (#109)		1966	35,000 SF	Two-story with mezzanine
Carpenter Shop (#40)		1908/ North side addition in 1940	12,154 SF	Single-story with basement and sub-basement

Salt Shed/Garage #5 (#41)	1930	3,666 SF	Single-story with attic
Masonry & Planter's Shop (#35)	1880 / North side addition in 1945	7,292 SF	Single-story with attic
Implement Shed and Office (#33)	Late 1920s-early 1930s	~4,000 SF	Single-story
Pump and Blower House (#31)	1964	3,216 SF	Single-story with cellar and sump pit
<i>Other Site Improvements</i>	Landscaped areas, paved roadways, concrete walkways, water tank, and surface level paved parking areas.		
<i>Zoning</i>	CF: Community Facility District		
<i>Site Topographic Relief</i>	Gently sloping to the east-southeast		
Site Utilities			
<i>Electricity</i>	Commonwealth Edison		
<i>Drinking Water</i>	City of Elgin		
<i>Wastewater</i>	City of Elgin		
<i>Natural Gas</i>	Nicor		

The site, approximately 90-acres in area, is located in the northern portion of the Elgin Mental Health (EMHC) facility. The site is improved with 19 buildings which include the following: Pavilion (#67); Holden Cottage (#72); Hirsch Cottage (#71); Souster Cottage (#70); Hawley Cottage (#69); Jenks Cottage (#68); Staff House (#66); Carriel & Ricketts (#64); Woods Cottage (#61); Garage (#127); Nurses Home (#65); Old Laundry (#49); New Laundry (#109); Carpenter Shop (#40); Salt Shed/Garage (#41); Masonry & Planter's Shop (#35); Implement Shed and Office (#33); Pump and Blower House (#31). A concrete aboveground water tank is located to the northwest of the pump and blower house (#31). The remaining portions of the site are developed with landscaped areas, paved roadways, concrete walkways, and surface level paved parking areas.

The majority of the buildings located in the northern portion of the site, with the exception of the Pavilion (#67), are unoccupied and in disrepair. The Pavilion Building (#67), commonly referred to as the Administration Building, is currently occupied by the Illinois Department of Human Services (IDHS). According to Mr. John Boldman, Office Manager, the IDHS has occupied this building since 1999. Mr. Boldman reported that this building was constructed in the late 1960s and was historically and currently utilized as an office building. The remaining buildings currently present in the northern portion of the site were historically utilized as staff housing or resident housing.

The buildings currently present in the southern portion of the site were historically utilized as storage buildings or trade workshops. Terracon observed a gasoline/diesel fuel dispenser, utilized for the filling of on-site vehicles, located south of the Implement Shed (#33).

5.2 Summary of Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail in the subsections following the table.

Site Characteristics

Category	Item or Feature	Item or Feature Observed
<i>Site Operations, Processes, and Equipment</i>	Emergency generators	
	Elevators	X
	Air compressors	X
	Hydraulic lifts	
<i>Aboveground Chemical or Waste Storage</i>	Evidence of aboveground storage tanks	X
	Drums, barrels and/or containers \geq 5 gallons	X
	Cleaning and/or similar supplies	X
	MSDS	
<i>Underground Chemical or Waste Storage, Drainage or Collection Systems</i>	Evidence of underground storage tanks or ancillary UST equipment	X
	Sumps, cisterns, catch basins and/or dry wells	X
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators	
	Pipeline markers	
	Interior floor drains	X
<i>Electrical Transformers/ PCBs</i>	Pad or pole mounted transformers and/or capacitors	X
	Generators	X
<i>Evidence of Releases or Potential Releases</i>	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
	Laboratory hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Compressor blowdown	
<i>Other Notable Site Features</i>	Surface water bodies	
	Quarries or pits	
	Wells	X

Those entries above designated by an "X" indicate that the Item or Feature was observed during the site visit. These are discussed in more detail below. If no "X" designation appears above, then the Item or Feature was not observed on the date of the site visit.

5.2.1 Observations

Site Operations, Processes and Equipment

Elevators

One hydraulic elevator was observed in the Pavilion Building (#67) at the site. Mr. Boldman reported that the elevator was installed in 2000. The mechanical and hydraulic equipment for the elevator is located in an adjacent elevator motor room in the basement of the Pavilion Building (#67). Evidence of releases was not observed from this equipment. The base of the elevator shaft was not observed during the site reconnaissance. Mr. Boldman reported that he did not possess an elevator key, and that the elevator pit could not be accessed at that time. Mr. Boldman reported that to the best of his knowledge, the base of the elevator was concrete; however, he was not aware of the drainage mechanism associated with the elevator pit.

According to Mr. Boldman, the elevator system is serviced by Theissen-Dover on an as needed basis. Mr. Boldman reported that hydraulic fluid is added to the system as needed. According to Mr. Boldman, a shaft replacement or other service activities have not occurred that might suggest a potential release of hydraulic fluid. Based on interview information and on-site observations, this on-site elevator does not appear to constitute a REC to the site.

A second hydraulic elevator was observed in the New Laundry Building (#109) during the site reconnaissance. Mr. Jim Young, Illinois Department of Human Services, was not aware of the installation date of the elevator and could not provide access to the elevator pit. Electrical power was not supplied to the New Laundry Building (#109) during the site reconnaissance, and the elevator could not be raised. Mr. Young was not aware of the construction of the elevator pit or the drainage mechanism. Mr. Young also reported that to the best of his knowledge, a shaft replacement or other service activities have not occurred that might suggest a potential release of hydraulic fluid. Based on interview information and on-site observations, this on-site elevator does not appear to constitute a REC to the site.

Air Compressors

Two air compressors were observed in the boiler room of the Pavilion Building (#67) during the site reconnaissance. The air compressors were located on concrete flooring, and minor surficial staining was observed on this concrete pad or in the vicinity of the air compressor at the time of the visual reconnaissance. Based on the concrete containment, the observed area of staining does not appear to constitute a REC at this time.

Aboveground Chemical or Waste Storage

Evidence Of Aboveground Storage Tanks

Terracon observed one concrete water storage AST west of the Pump and Blower House (#31). The AST and associated pump house were constructed in 1964. Terracon did not observe petroleum or chemical ASTs at the site. Based on the contents of the observed AST (water), the observed AST at the site does not constitute a REC.

Terracon observed one approximately 15,000-gallon heating oil AST southwest of the Power House building. This AST is not located on the current Terracon subject site and is located within the central out-lot area. Mr. Bob Zoller, former Chief Engineer EMHC, reported that one 50,000-gallon heating oil AST was formerly located to the southwest of the Power House and may have partially extended onto the current Terracon subject site. Mr. Zoller stated that the AST was contained in a bermed secondary containment area; however, Mr. Zoller could not confirm if the bermed area utilized a non-permeable barrier/floor. Mr. Zoller indicated that the AST was operated in this area after the EMHC converted the coal-fired boilers associated with the Power House to heating oil and that the AST remained in use until the boilers were converted to natural-gas fired boilers. Mr. Zoller could not confirm the conversion dates. The historical storage and utilization of heating oil at the site constitutes a REC to the site.

Drums, Barrels and/or Containers \geq 5 gallons

Terracon observed the following containers at the site: three five-gallon containers of sodium salt of tolytriazole in the basement of Jenks Cottage (#68); one 55-gallon drum of lubricating oil and several apparently empty five-gallon and ten-gallon containers of water treatment chemicals in the Pump and Blower House (#31); two 55-gallon drums on their sides along the north side of the water storage AST west of the Pump and Blower House (#31); approximately 12 to 15 cylinders of compressed gas along the northwest corner of the Masonry & Planter's Shop (#35); five 10-gallon containers of boiler water treatments in the basement of the Pavilion Building (# 67); various containers of boiler water treatments, 15 55-gallon unlabeled drums, five 55-gallon drums of dry photoprocessing chemicals; and three 55-gallon drums of waste chloroethylene in the New Laundry Building (#109). The drums and plastic containers were not stored in a secondary containment vault. Surficial staining was not observed on the sides of the drums and containers. No evidence of drains or sumps was observed in the vicinity of the drum and container storage during the visual reconnaissance. Based on site observations, the observed drums and containers do not appear to constitute a REC at this time with the exception of the drums of waste chloroethylene and the drums observed to the north of the waste storage AST. The historical use of chloroethylene at the site constitutes a REC. The drums that were observed to the north of the water AST were observed to be bulging, unlabeled, and were on their sides. The on-site observations revealed that these drums constitute a REC to the site.

Cleaning and/or Similar Supplies

Typical household cleaning chemicals (glass cleaners, bathroom cleansers, etc.), single-gallon paint cans, five-gallon paint buckets and maintenance equipment were observed within several of the buildings at the site at the time of the reconnaissance. The chemical products were observed in their original sealed and labeled containers, and no evidence of chemical releases, spills, staining or floor drains was observed in the vicinity of the maintenance chemical storage areas. Based on site observations, the chemical storage areas do not appear to constitute a REC at this time.

Underground Chemical or Waste Storage, Drainage or Collection Systems

Evidence of Underground Storage Tanks or Ancillary UST Equipment

Surface indications of two USTs were observed on the site during the site reconnaissance. Terracon observed a dispenser and a concrete pad with associated metal caps south of the Implement Shed and Office (#33). According to the OSFM records, one 1,00-gallon gasoline UST and one 1,000-gallon diesel UST are located south of the Implement Shed and Office (#33). The OSFM records indicated that these USTs were installed in 1989, meet the 1998 federal up-grade requirements, and are currently in use. The USTs are double-walled fiberglass reinforced plastic with leak detection, corrosion protection, spill containment, and overfill protection devices.

The EDR report indicated that LUST incident #981699 was reported to IEMA on July 13, 1998, and involved a release of diesel fuel. The EDR report indicated that a non-LUST determination letter was issued by the IEPA for LUST incident #981699 on November 30, 1998. Terracon submitted a FOIA to the IEPA LUST division to obtain file information pertaining to this LUST incident. According to the IEPA file information, one 1,000-gallon diesel UST failed tank tightness testing in July 1998, and the tanks were re-tested after the failure. From August 26 to September 9, 1998, a "tracer" test was performed on the USTs. The product level inside the tank did not change during that period, there was not water found, and there was no "tracer" detected in the soil surrounding the tank. A tank monitoring system was installed, and not noticeable change in volume was noted. Patrick Engineering reported that a pre-mature LUST incident was reported in July 1998, and that the UST does not appear to be leaking. The IEPA reported on November 12, 1998, that based on review of the Patrick Engineering report dated October 9, 1998, there is no reporting requirement for this incident, and a non-LUST status was issued by the IEPA for LUST incident #981699; however, soil borings were not performed to confirm if a leak is actually associated with this UST. Although an IEPA non-LUST determination letter was issued, positive confirmation (soil borings) were not conducted in the area of the 1,000-gallon UST at the site. The 1,000-gallon UST at the site constitutes a REC.

Sumps, Cisterns, Catch Basins and/or Dry Wells

A review of "The History of Elgin Mental Health Center, Evolution of a State Hospital" revealed that the original Administration Building (#1) utilized underground cisterns to collect rainwater of the roofs. The book indicated that at least one of the cisterns measures 12' by 24' feet in area. Review of the available historical materials did not reveal the location of the cisterns. Measurements were not provided for the remaining cisterns. Terracon observed that the area formerly occupied by the former Administration Building (#1) is currently undeveloped vegetated land. Evidence of the former cisterns was not visible during the site reconnaissance. Stressed vegetation was not noted in the area of the former Administration Building (#1). Based on the current site observations, the former cisterns do not constitute a REC to the site.

Terracon observed one sump pit and associated pump in the basement area of Jenks Cottage (#86) during the site reconnaissance. Staining or other evidence of releases were not observed near this sump. According to Mr. Arvans, the sumps at the site, to the best of his knowledge, are connected to the sewer system. Terracon did not observe solids or a sheen on the sump water. Based upon on-site observations, this sump does not constitute a REC to the site at this time.

Terracon observed four large manhole covers and one smaller manhole covers to the south of the New Laundry Building (#109). These covers are set into a concrete slab. It appears that these manhole covers are associated with a solids trap or lift station associated with the laundry. Mr. Arvans reported that to the best of his knowledge the manholes were associated with the new laundry facility and were not associated with USTs.

Interior Floor Drains

Interior floor drains were observed at the following site locations: restrooms and basement mechanical areas in the Pavilion Building (#67); basements of the E Cottages; and the New Laundry Building (#109). Drums, barrels, or other containers were not located within 10 feet from these drains. Evidence of staining or other releases to the floor drains was not observed during the site reconnaissance. Threats of releases to the floor drains were not observed during the site reconnaissance. Mr. Arvans and Mr. Boldman reported that to the best of their knowledge, the floor drains at the site are connected to the municipal sewer system. Based upon on-site observations and interview information, these floor drains do not appear to constitute a REC at this time.

Electrical Transformers/PCBs

Pad or Pole Mounted Transformers

In 1990, the EMHC facility's on-site electric generation facility was abandoned. Commonwealth Edison currently provides electric service to the EMHC facility.

Terracon observed the following site-owned transformers at the site: one pad-mounted transformer located north of the Pavilion Building (#67); one pad-mounted transformer located southwest of Souster Cottage (#70); one pad-mounted transformer located southeast of Jenks Cottage (#68); a concrete pad associated with a former pad-mounted transformer located southeast of Woods Cottage (#61); three round canister-type transformers to the southeast of the Old Laundry Building (#49); and one abandoned Westinghouse canister-type transformer located northeast of the concrete water AST near the Pump and Blower House (#31).

Files reviewed at the EMHC facility and the EDR report indicated that a Section Six PCB investigation was conducted at the Elgin Mental Health facility in February 1986 (see Section 5.1). EMHC records revealed that an annual report of PCB and PCB-Contaminated Electrical Equipment was produced for years 1979 to 1996. This inventory indicated that the following PCB and/or PCB-containing transformers were located at the site.

Oil Capacity	Serial Number	Location	PCB PPM	Current Status
130 gallons	7021237	Field South of Laundry	>500 ppm	Removed and disposed of by 9/17/87
115 gallons	7021239	Field South of Laundry	>500 ppm	Removed and disposed of by 9/17/87
130 gallons	7021266	Inside Old Laundry Building	>500 ppm	Removed and disposed of by 9/17/87
130 gallons	7021236	North side of Administration Building (#1)	> 500 ppm	Removed and disposed of by 9/17/87
49 gallons	F 643962-67P	South side of Woods Cottage	400 ppm	Removed
49 gallons	F 643961-67P	Inside Old Laundry Building	407 ppm	Unknown
125 gallons	70F 4002	South Side of Jenks Cottage	166 ppm	Located in place
471 kilograms	H 223527-68P	Administration Building (#1)	55 ppm	Reclassified 2/19/91
193 kilograms	66C-4379	Laundry Sump Building	409 ppm	Unknown

EMHC records revealed that the majority of the PCB and/or PCB-containing transformers have been removed from the site or were retro-filled with non-PCB containing oil. The EMHC records did not indicate that soil and/or groundwater sampling was performed in the areas where these transformers were formerly located. Terracon observed an abandoned transformer to the northeast of the concrete water AST located near the Pump and Blower Building (#31). Terracon was not able to identify the serial number on this transformer;

however, this transformer was manufactured by Westinghouse. The PCB-content of this abandoned transformer is unknown at this time. The historical presence of PCB and PCB-containing transformers at the site as well as the presence of an abandoned transformer constitute RECs to the site at this time.

Generators

The review of "The History of Elgin Mental Health Center, Evolution of a State Hospital" revealed that as of January 1, 1885, to approximately 1985, electricity was generated on-site from dynamos powered by steam from the on-site boilers. Sanborn Maps revealed that dynamos were located in the Administration Building (#1) from at least 1891 to 1913. The dynamos were removed from the Administration Building (#1) by 1950 and were relocated to or replaced by new dynamos in the PowerHouse area that adjoins the central portion of the site. The historical on-site power generation constitutes a REC to the site.

Evidence of Releases or Potential Releases

Trash, Debris and/or Other Waste Materials

Landscaping debris and remnant coal were observed southwest of the Pump and Blower Building (#31) and north of the Masonry & Planters Shop (#35) along the southwestern site boundary during the site reconnaissance. Based on visual observation (only of surface materials) several piles of brush, wood, leaves, and minor amounts of general debris were observed. In the northern portion of this area, Terracon observed remnant pieces of coal on the ground. The review of the PCB records for the EMHC facility, revealed that this area was historically utilized for coal storage as well as for the storage of PCB-containing transformers prior to disposal. Leakage, spills, or other releases from these materials were not observed during the visual reconnaissance. The debris materials did not appear to be hazardous in nature; however, they should be removed and disposed in accordance with local and state regulations prior to the commencement of demolition activities. The remnant coal materials, the storage of PCB-containing transformers, and the historical storage of coal in this area constitutes a REC to the site at this time.

Terracon observed three 55-gallon drums chloroethylene/tri-chloroethylene in the New Laundry Building (#109). The drums were not stored in a secondary containment vault, and surficial staining was not observed on the sides of the drums. No evidence of drains or sumps was observed in the vicinity of the drum storage during the visual reconnaissance. The historical use of chloroethylene/tri-chloroethylene at the site constitutes a REC.

Terracon observed one sharps container near the entrance of Hawley Cottage (#69) during the site reconnaissance. Terracon also observed six containers labeled "bio-hazard" in the New Laundry Building (#109). Terracon did not investigate the contents of these containers. Leaks and evidence of staining or releases were not observed in the vicinity of these containers. Based on the on-site observations, these containers do not constitute RECs to

the site at this time. Terracon recommends that these containers be properly removed from the site in accordance with local, state, and federal regulations.

Other Notable Site Features

Wells

The site is currently supplied with water from the City of Elgin. A review of "The History of Elgin Mental Health Center, Evolution of a State Hospital" and additional historical sources revealed that drinking water was originally provided to the site by a well located to the west of the site. Additionally, an approximately 2,000 foot deep artesian well was located near the Administration Building (#1). Sanborn maps dated 1891 to 1903 revealed that an 80,000-gallon reservoir was located to the northwest of the Administration Building (#1) in an assumed close proximity to the water well. A second deep well was installed at the site, and was subsequently replaced in the late 1940s.

5.2.2 Interviews Conducted During Visual Reconnaissance

The following individuals were interviewed regarding the presence or absence of the items or features listed in the table above. Unless otherwise noted herein, the interviewee was not aware of the listed features (identified in the Site Characteristics Table) at the site.

Interviewees

Interviewee	Title
Mr. David Arvans	Chief Engineer, Elgin Mental Health Center facility
Mr. John Bordman	Office Manager, Illinois Department of Human Services
Mr. Jim Young	Illinois Department of Human Services
Mr. Bob Zoller	Former Chief Engineer, Elgin Mental Health Center facility

Site information obtained from the above listed site contacts is presented throughout the report.

6.0 ADJOINING/SURROUNDING PROPERTY RECONNAISSANCE

Visual observations of adjoining/surrounding properties (from site boundaries and readily accessible public areas) are summarized below.

Adjoining/Surrounding Properties

Direction	Description
North	Illinois State Route 20 followed by single-family residential dwellings
South	Remaining portion of the Elgin Mental Health facility
East	Illinois State Route 31 followed by (from north to south) State of Illinois Regional Office building, one single-family residence, and undeveloped wooded land.
West	The Larkin Center Rankow Campus (school) to the northwest and undeveloped wooded land followed by undeveloped land to the west-southwest.

The property adjacent to the far northeast, the Ill Dept of Transportation at 595 South State Street is a listed RCRIS facility with no reported RCRIS violations. Additionally, this facility is listed on the UST and LUST databases. The EDR report indicated that the LUST incident associated with this facility (LUST #992177) received an IEPA NFR letter (closure) on November 30, 1999. Based on distance from the site, apparent groundwater flow direction, IEPA LUST closure, and absence of reported violations, the Ill Dept of Trans facility does not constitute a REC to the site.

The remaining adjoining facilities do not constitute RECs based on visual reconnaissance.

7.0 ADDITIONAL SERVICES

Per the agreed-on scope of services specified in the proposal, additional services (e.g., asbestos testing, wetlands evaluation, lead based paint testing, lead in drinking water testing, radon testing, etc.) were not conducted.

8.0 FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

8.1 Findings and Conclusions

This Phase I ESA of the above-referenced site was performed in accordance with our proposal dated February 4, 2004, and in general accordance with the consensus document known as ASTM E 1527-00, a guide for conducting Environmental Site Assessments. Ms. Beth Ayn Swick and Mr. David E. Banker performed the site reconnaissance on March 25, 2004, and April 1, 2004.

The site is located southwest of Route 20 and Route 31 in Elgin, Kane County, Illinois. The site is currently occupied by the Elgin Mental Health Center and the Illinois Department of Human Services. The site buildings discussed in this report are referenced by name and number. The numbers shown reflect the numbering system that has been currently and historically utilized by the EMHC staff.

A cursory summary of findings is provided below. However, details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

- The site, approximately 90-acres in area, is located in the northern portion of the Elgin Mental Health (EMHC) facility. The site is improved with 19 buildings which include the following: Pavilion (#67); Holden Cottage (#72); Hirsch Cottage (#71); Souster Cottage (#70); Hawley Cottage (#69); Jenks Cottage (#68); Staff House (#66); Carriel & Ricketts (#64); Woods Cottage (#61); Garage (#127); Nurses Home (#65); Old Laundry (#49); New Laundry (#109); Carpenter Shop (#40); Salt Shed/Garage (#41); Masonry & Planter's Shop (#35); Implement Shed and Office (#33); Pump and Blower House (#31). The Pavilion (#67) is also currently known as the Administration Building. The former Administration Building (#1) was demolished in the early 1990s. A concrete aboveground water tank is located to the northwest of the pump and blower house (#31). The remaining portions of the site are developed with landscaped areas, paved roadways, concrete walkways, and surface level paved parking areas.
- Review of the readily available historical materials revealed that the site was historically utilized as agricultural land with associated farmsteads in the mid- to late-1880s. The northern portion of the Elgin Mental Health facility's original Administration Building (#1) was constructed in 1872. Subsequently, multiple buildings were constructed across the northern, western, and southern portions of the site. The eastern portion of the site was utilized as an artificial lake in the late 1800s to the early 1900s. This area was then filled and utilized as undeveloped grassed and wooded land. The buildings in the northern portion of the site were primarily utilized as patient and staff housing. The Administration Building remained at the site until 1993 when it was demolished. The buildings located in the western and southern portion of the site were associated with site services, storage, and/or workshops. Several buildings in the southern and western portion of the site were demolished in the 1950s and 1960s. There are currently 19 buildings remaining at the site.
- The regulatory review identified one USEPA CORRACTS facility, six USEPA RCRIS facilities, 10 IEPA LUST facilities, five OSFM UST facilities, and one IEPA SRP facility within the specified search radii. The EMHC facility is listed on the LUST, UST, and RCRIS databases. Three USTs and two LUST incidents are associated with the site portion of the EMHC facility. The two 1,000-gallon USTs located south of the Implement Shed (#33) and the former heating oil UST associated with the former Administration Building (#1) at the site constitute RECs (see Section 4.1). Based upon facility characteristics, environmental setting, and/or distance from the site, the remaining identified regulatory facilities do not appear to constitute recognized environmental conditions (RECs) in connection with the site at this time.

The EDR report indicated that LUST incident #981699 was reported to IEMA on July 13, 1998, and involved a release of diesel fuel. The EDR report indicated that a non-LUST determination letter was issued by the IEPA for LUST incident #981699 on November 30, 1998. According to the IEPA file information, one 1,000-gallon diesel UST failed tank tightness testing in July 1998, and the diesel and gasoline USTs south of the Implement Shed were re-tested after the failure. From August 26 to September 9, 1998, a "tracer" test was performed on the USTs. The product level inside the tank did not change during that period, there was no water found, and there was no "tracer" detected in the soil surrounding the tank. A tank monitoring system was installed, and no noticeable change in volume was detected. Patrick Engineering reported that a pre-mature LUST incident was reported in July 1998, and that the UST does not appear to be leaking. The IEPA reported on November 12, 1998, that based on review of the Patrick Engineering report dated October 9, 1998, there is no reporting requirement for this incident, and a non-LUST status was issued by the IEPA for LUST incident #981699; however, soil borings were not performed to confirm if a leak is actually associated with this UST. Although an IEPA non-LUST determination letter was issued, positive confirmation (soil borings) were not conducted in the area of the 1,000-gallon UST at the site. The 1,000-gallon diesel UST south of the Implement Shed (#33) at the site constitutes a REC.

- Review of the available Sanborn maps, aerial photographs, and historical topographic maps revealed that the site has been developed with a portion of the Elgin Mental Health facility from at least 1891 to 2004. The Sanborn Maps indicated that the site was originally heated with coal-fired steam. A central heating plant was installed by 1950 and supplied steam to the buildings at the site via a network of steam tunnels. Water was supplied to the site from at least 1891 through 1950 from private water wells located east of Route 31 along the Fox River.

The 1891 Sanborn Map revealed that three coal-fired boilers are shown in the western portion of the former Administration Building with an adjoining (west) coal house that is connected to the boiler room by an underground shaft. The 1897 Sanborn Map indicated that a Disinfecting House and an Oil House were located to the northwest of the Administration Building (#1). The area depicted as a boiler room on the 1891 map remains as such. The area to the southeast of the Administration Building's boiler room was occupied by four dynamos that were utilized for the generation of electric power. These features are shown on the 1903 and 1913 Sanborn Maps and are not depicted on the 1950 Sanborn Map. The historical presence of the boilers and associated coal storage areas, the electrical generation equipment and the Oil and Disinfecting houses constitute RECs to the site.

- Terracon reviewed available historical material pertaining to the EMHC facility at the Elgin Public Library. This review revealed that in 1886 an irregularly-shaped artificial lake, approximately 400 feet by 150 feet in area, was formed to the east of the Administration

Building (#1) and was utilized as a water storage pond. Terracon observed that the area formerly occupied by the artificial lake is currently (2004) filled and vegetated (grassed). Terracon interviewed Mr. David Arvans, Chief Engineer, regarding the filled area at the site. Mr. Arvans reported that the former lake area was filled in the early 1900s, and he was not aware of the origin or nature of the fill materials. The former lake area at the site constitutes a REC due to the unknown source of the fill material associated with this area.

The Administration Building (#1) was originally heated by coal fire boilers and "a small gas manufacturing plant was built to supply gas for lighting and thus replaced the candles, kerosene, and oil lamps then in use." By 1880, the EMHC facility was purchasing gas from the Elgin Gas Light Company. This reference, as well as additional historical sources reviewed, did not reveal the location of the former manufactured gas plant. The historical presence of a manufactured gas plant which may have potentially been located on-site constitutes a REC to the site.

The review of "The History of Elgin Mental Health Center, Evolution of a State Hospital" revealed that as of January 1, 1885, to approximately 1985, electricity was generated on-site from dynamos powered by steam from the on-site boilers. Sanborn Maps revealed that dynamos were located in the Administration Building (#1) from at least 1891 to 1913. The dynamos were removed from the Administration Building (#1) by 1950 and were relocated to the Power House area that adjoins the central portion of the site. The historical on-site power generation constitutes a REC to the site.

- Terracon observed numerous containers at the site. Based on site observations, the observed drums and containers do not appear to constitute a REC at this time with the exception of the drums of waste chloroethylene/tri-chloroethylene and the drums observed to the north of the water storage AST near the Pump and Blower Building (#31). The historical use of chloroethylene at the site constitutes a REC. The drums that were observed to the north of the water AST were observed to be bulging, unlabeled, and were on their sides. The on-site observations revealed that these drums constitute a REC to the site.
- Terracon observed one approximately 15,000-gallon heating oil AST southwest of the Power House building. This AST is not located on the current Terracon subject site and is located within the central out-lot area. Mr. Bob Zoller, former Chief Engineer EMHC, reported that one 50,000-gallon heating oil AST was formerly located to the southwest of the Power House on the current Terracon subject site. Mr. Zoller stated that the AST was contained in a bermed secondary containment area; however, Mr. Zoller could not confirm if the bermed area utilized a non-permeable barrier/floor. Mr. Zoller indicated that the AST was operated in this area after the EMHC converted the coal-fired boilers associated with the Power House to heating oil and that the AST remained in use until the boilers were

converted to natural-gas fired boilers. Mr. Zoller could not confirm the conversion dates. The historical storage and utilization of heating oil at the site constitutes a REC to the site.

- Terracon observed several pad-mounted transformers and one abandoned transformer at the site. EMHC records revealed that the majority of the PCB and/or PCB-containing transformers have been removed from the site. The EMHC records did not indicate that soil and/or groundwater sampling was performed in the areas where these transformers were formerly located. Terracon observed an abandoned transformer to the northeast of the concrete water AST located near the Pump and Blower Building (#31). Terracon was not able to identify the serial number on this transformer; however, this transformer was manufactured by Westinghouse. The PCB-content of this abandoned transformer is unknown at this time. The historical presence of PCB and PCB-containing transformers at the site as well as the presence of an abandoned transformer constitute RECs to the site at this time.
- Landscaping debris and remnant coal were observed southwest of the Pump and Blower Building (#31) and north of the Masonry & Planters Shop (#35) along the southwestern site boundary during the site reconnaissance. The review of the PCB records for the EMHC facility revealed that this area was historically utilized for coal staging and the storage of PCB-containing transformers prior to disposal. Leakage, spills, or other releases from these materials were not observed during the visual reconnaissance. The remnant coal materials, the historical storage of coal, and the historical storage of PCB-containing transformers in this area constitutes a REC to the site at this time.

8.2 Recommendations

- Based on the findings of this assessment, Terracon recommends that additional investigation be conducted to evaluate if the site has been affected by potential releases from the following:
 - The two 1,000-gallon USTs located south of the Implement Shed (#33) at the site;
 - The historical use of chloroethylene at the site;
 - The presence of two bulging, unlabeled, and up-ended 55-gallon drums located north of the water AST at the site;
 - The historical presence of PCB-containing and/or contaminated transformers at the site;
 - The historical storage and use of heating oil (AST) at the site;
 - The presence of an abandoned Westinghouse transformer at the site; and
 - The historical coal staging area and PCB-containing transformer storage area in the southwestern portion of the site.

Additionally, the following concerns should be noted:

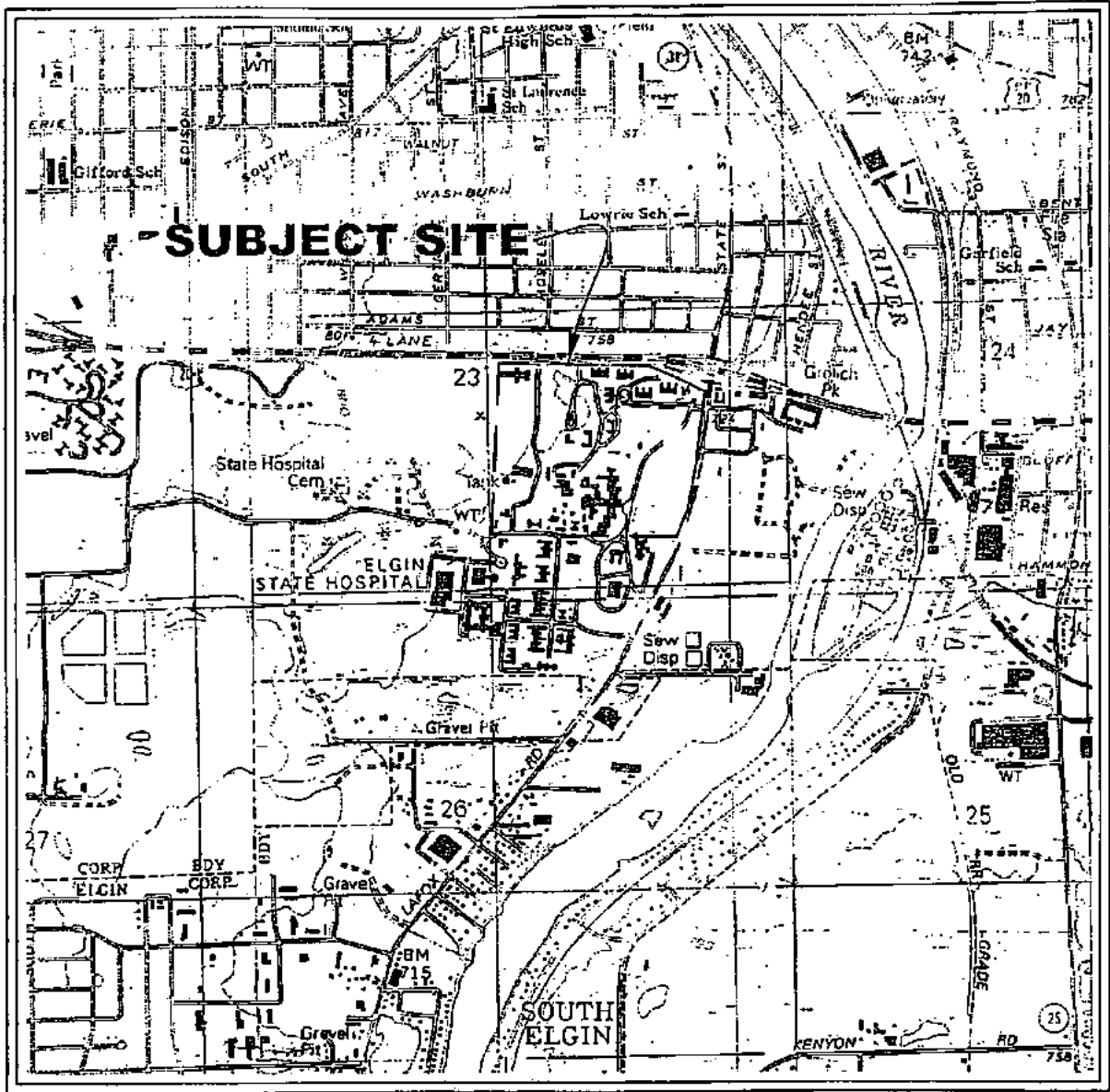
- The presence of underground cisterns associated with the former Administration Building (#1);
- The historical presence of water wells that may not have been properly abandoned;
- The proper removal of medical waste containers from the site; and
- The proper removal of drums and containers from the site.

Terracon recommends that the elevator pits associated with the hydraulic elevators at the site be inspected prior to the commencement of demolition activities.

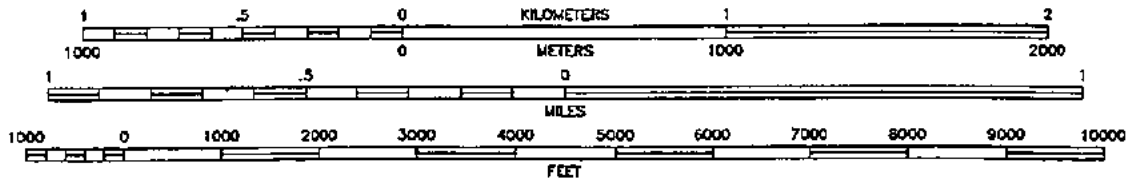
Terracon recommends that the solids trap associated with the New Laundry Building (#109) be inspected prior to the commencement of demolition activities.

APPENDIX A

Figure 1- Topographic Map, Figure 2 – Site Diagram



SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 DOTTED LINES REPRESENT 5-FOOT CONTOURS



ELGIN, IL 1992

QUADRANGLE
 7.5 MINUTE SERIES (TOPOGRAPHIC)

**APPROXIMATE
 SITE BOUNDARY**

**TOPOGRAPHIC VICINITY MAP
 PHASE I ENVIRONMENTAL SITE ASSESSMENT
 ELGIN MENTAL HEALTH CENTER
 SOUTHWEST OF IL RT 31 AND IL RT 20
 ELGIN, KANE COUNTY, ILLINOIS**

Project Mgr:	BAS	Terracon 135 AMBASSADOR DRIVE-110 NAPERVILLE, ILLINOIS	Project No.	11047718-1
Designed By:	DEB		Scale:	1:24,000
Drawn By:	DEB		Figure No.	11047718-100-1TO
Checked By:	BAS		Date:	APRIL 20
Approved By:	WBT		Figure No.	

BLDG NO. EXISTING BUILDINGS.

- 31 PUMP & BLOWER HOUSE
- 33 IMPLEMENT SHED & OFFICE
- 35 MASONRY & PLANTER'S SHOP
- 40 CARPENTER SHOP
- 41 GARAGE/SALT STORAGE
- 49 LAUNDRY
- 61 WOODS COTTAGE
- 64 CARRIEL & RICKETTS
- 65 NURSES HOME
- 66 STAFF HOUSE
- 67 PAVILION
- 68 JENKS COTTAGE
- 69 HAWLEY COTTAGE
- 70 SOUSTER COTTAGE
- 71 HIRSCH COTTAGE
- 72 HOLDEN COTTAGE
- 75 DOCTOR RESIDENCE
- 76 DOCTOR RESIDENCE
- 77 DOCTOR RESIDENCE
- 78 DOCTOR RESIDENCE
- 79 DOCTOR RESIDENCE
- 109 NEW LAUNDRY

BLDG NO. FORMER BUILDINGS.

- 1 ADMINISTRATION BUILDING
- 34 RESIDENCE NO. 2
- 36 OLD CHICKEN HOUSE
- 37 STORAGE WAREHOUSE NO. 2
- 38 ASS'T CHIEF ENGINEER
- 39 BARBER SHOP
- 42 DISPATCHER'S BUILDING
- 43 WITTMAN
- 44 STUDIO
- 48 STORAGE BUILDING
- 56 BAKERY
- 58 FIRE HOUSE
- 59 COTTAGE WEST NO. 1
- 60 COTTAGE WEST NO. 2
- 62 BOSS FARM RESIDENCE
- 63 HOSPITAL ADMIN. RESIDENCE
- 84 GREENHOUSE
- 105 ICEHOUSE

BLDG NO. OFFSITE BUILDINGS.

- 50 POWER HOUSE
- 51 GARAGE
- 52 GARAGE
- 53 GARAGE
- 54 GARAGE
- 55 MACHINE & TIN SHOP
- 57 HOSPITAL GARAGE
- 106 PAINT SHOP



LEGEND



EXISTING

FORMER



SITE DIAGRAM PHASE I ENVIRONMENTAL SITE ASSESSMENT ELGIN MENTAL HEALTH CENTER SW CORNER OF ROUTE 21 AND ROUTE 31 ELGIN, ILLINOIS		
Project Mngr:	ERP	Project No. 11047718
Designed By:		Scale: AS SHOWN
Drawn By:	MRF	File No. 11047718-PHASE I
Checked By:	3AS	Date: APRIL 2004
Approved By:	a.s	Figure No. 2



135 Ambassador Drive
Naperville, Illinois 60540

APPENDIX B

Historical Documentation



"Linking Technology with Tradition"

Sanborn® Map Report

Ship To: Beth
Terracon, Inc.
135 Ambassador Drive
Naperville, IL 60540

Order Date: 1/30/2004 Completion Date: 2/2/2004

Inquiry #: 1121598.5S

P.O. #: 11047718

Site Name: Elgin Mental Health Center

Address: Sw of IL Route 31/US Rt. 20

City/State: Elgin, IL 60120

Cross Streets:

Customer Project: 11047718
1101249REM 630-357-7228

Based on client-supplied information, fire insurance maps for the following years were identified

1913 - 1 Map
1950 - 2 Maps
1969 - 2 Maps

Limited Permission to Photocopy

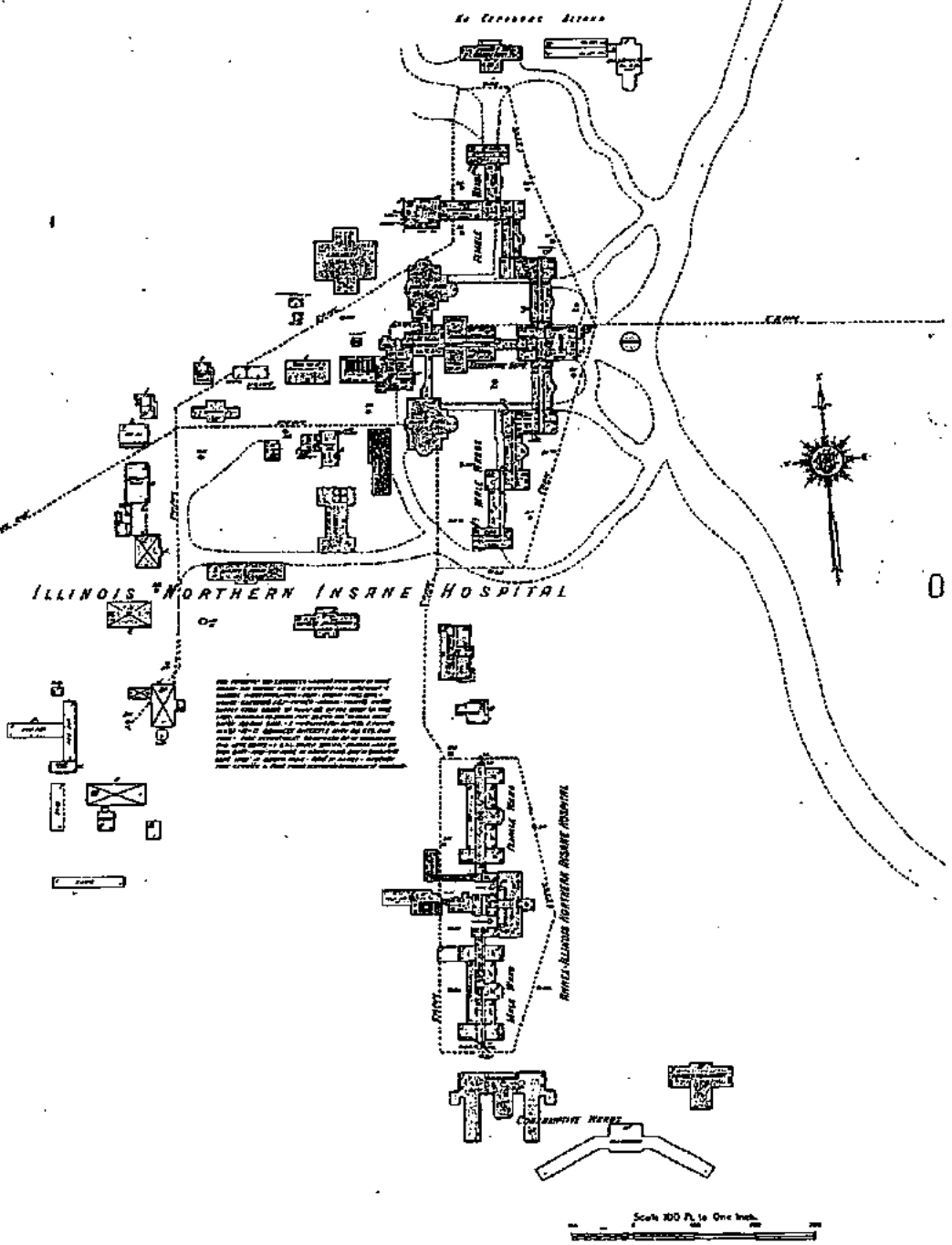
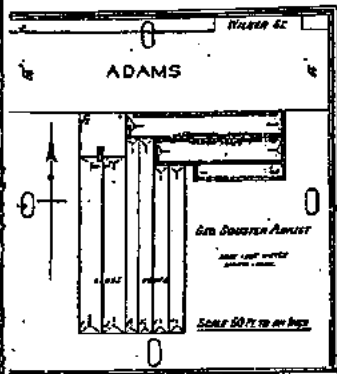
Total Maps: 5

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80



115 0088
80

ELGIN STATE HOSPITAL
Contains an X-ray plant, special department for diagnosis and treatment of tuberculosis, and a special department for the treatment of mental diseases. The building is a fine example of modern hospital architecture. It is a fine example of modern hospital architecture. It is a fine example of modern hospital architecture.

86
ADAMS

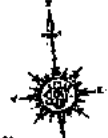
GEN. STORAGE FACILITY
STAIRS TO 2ND FLOOR

STAIRS TO 2ND FLOOR

ELGIN SHEEPER CO.
STREET CLEANING

STREET CLEANING

ELGIN STATE HOSPITAL (see inside)



Scale 100 ft. to One Inch

111...Des

FOX RIVER

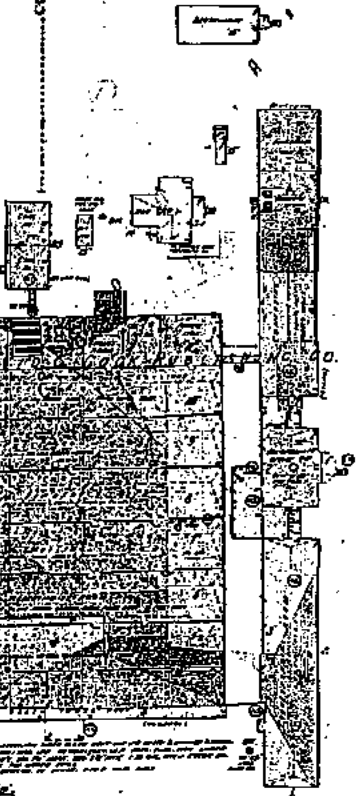
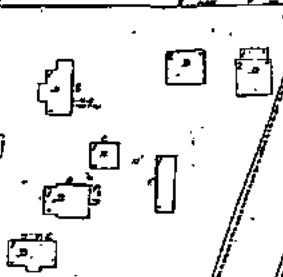


THIS DETACHMENT NOW SHOWN ON SHEET 112. NOT CORRECTED SINCE JAN 1921

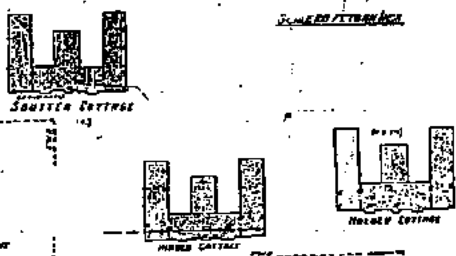
SLADE

2

AV.



N. GROVE (RIVER) AV.



ELGIN STATE HOSPITAL FOR INBANE
(For report see sheet 112-10)

3



80

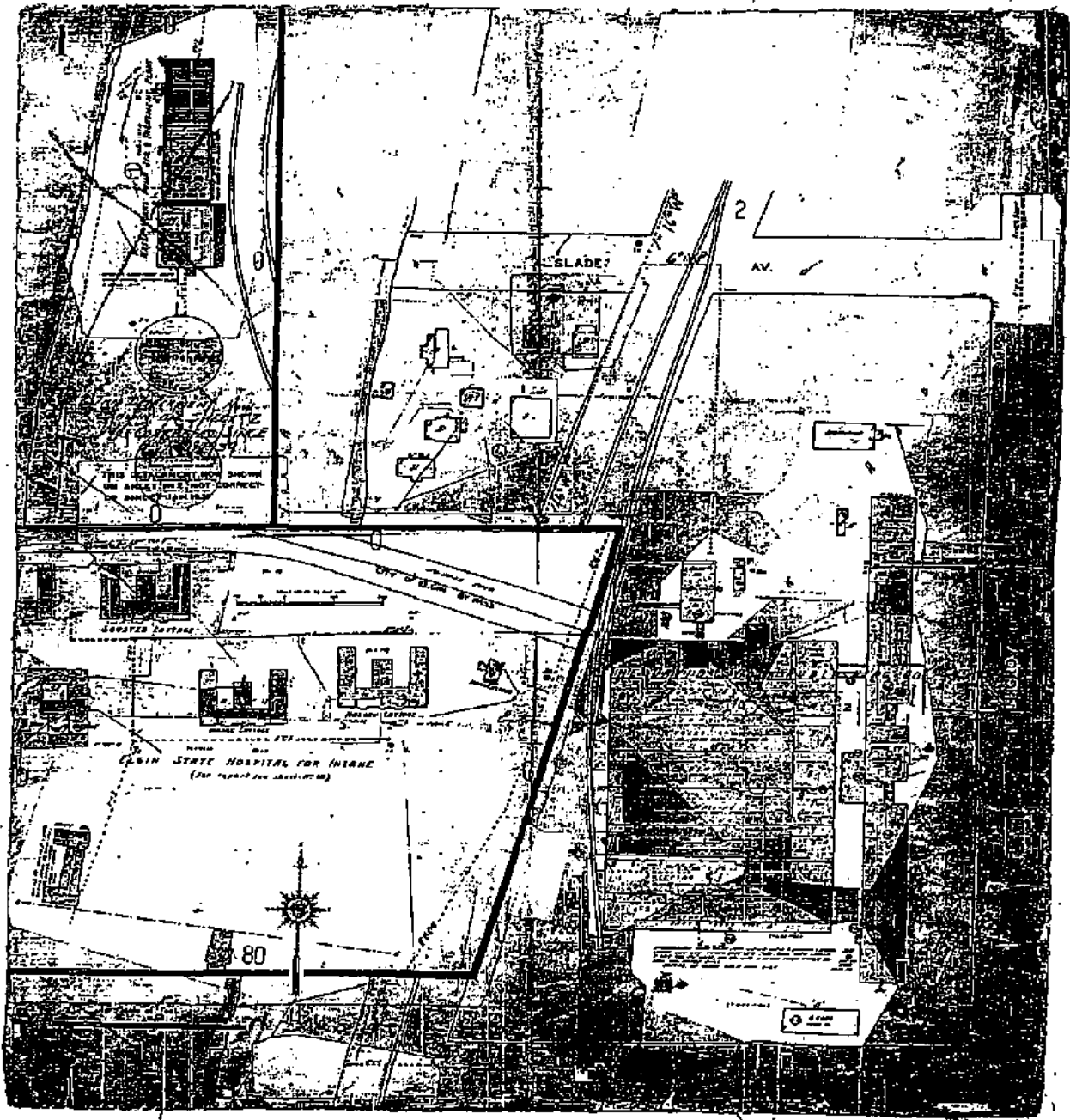
Scale of Feet

EXTRA LINCOLN AV.

The Sanborn Library, LLC

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MAP
CPI Research Institute

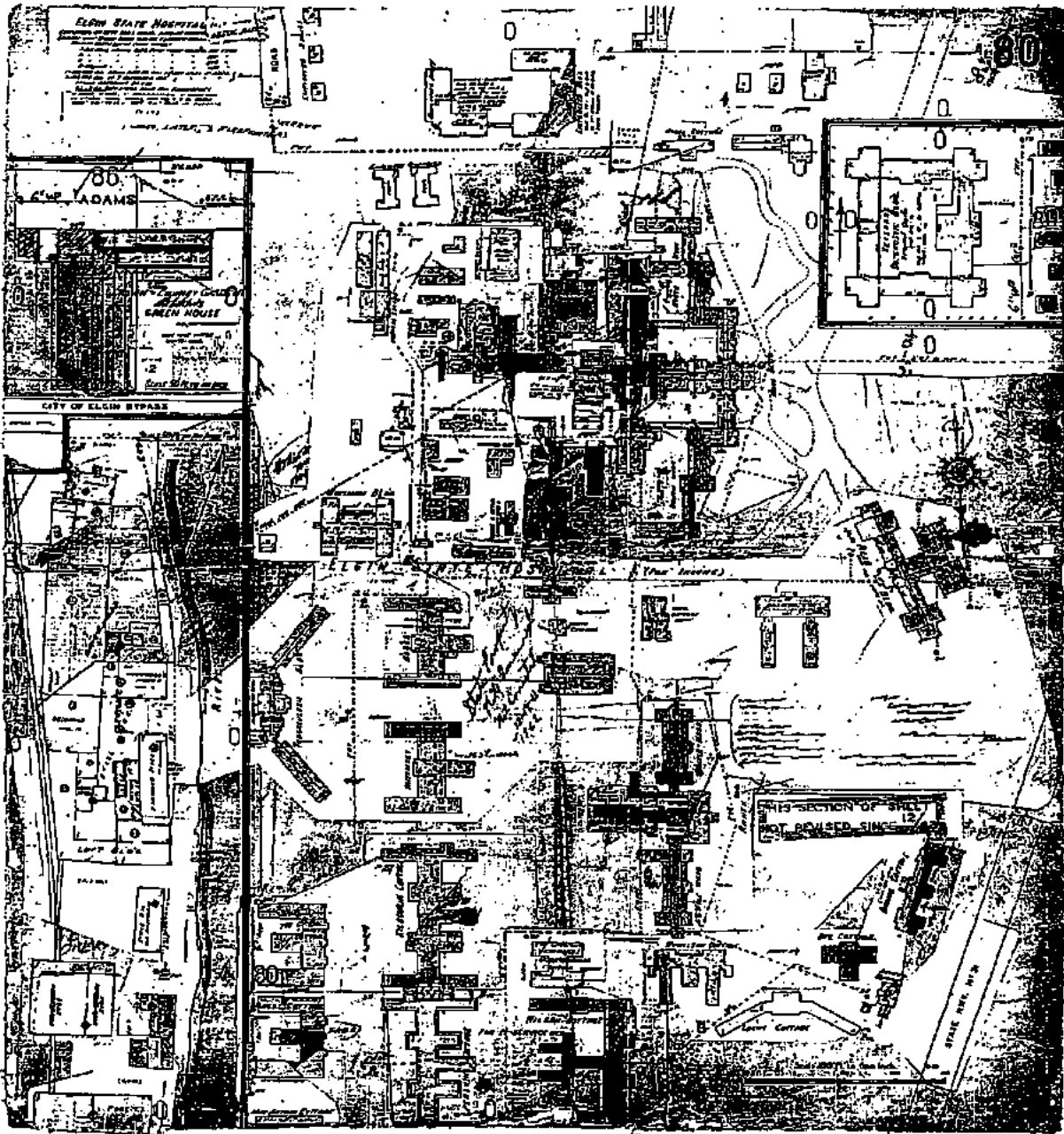
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APPENDIX C

Environmental Database Information



The EDR Radius Map with GeoCheck®

Elgin Mental Health Center
SW of IL Route 31/US Rt. 20
Elgin, IL 60123

Inquiry Number: 1121598.4s

February 02, 2004

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Map Findings Summary.....	4
Map Findings.....	6
Orphan Summary.....	36
EPA Waste Codes.....	EPA-1
Government Records Searched/Data Currency Tracking.....	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum.....	A-1
Physical Setting Source Summary.....	A-2
Physical Setting Source Map.....	A-8
Physical Setting Source Map Findings.....	A-9
Physical Setting Source Records Searched.....	A-25

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

SW OF IL ROUTE 31/US RT. 20
ELGIN, IL 60123

COORDINATES

Latitude (North): 42.020900 - 42° 1' 15.2"
Longitude (West): 88.287200 - 88° 17' 13.9"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 393428.2
UTM Y (Meters): 4652684.5
Elevation: 750 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 42088-A3 ELGIN, IL
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
ELGIN MENTAL HEALTH CTR 750 S STATE ST ELGIN, IL 60123	UST	N/A
DHS ELGIN MENTAL HEALTH CTR. 750 SOUTH STATE ST. ELGIN, IL 60123	LUST	N/A
ILLINOIS RACING BOARD LABORATORY 750 S STATE MENDEL BLDG EMHC ELGIN, IL 60120	RCRIS-SQG FINDS	ILD012123139
ELGIN MENTAL HEALTH CTR 750 S STATE ST ELGIN, IL 60123	UST	N/A
ELGIN MENTAL HEALTH CENTER 750 S STATE ELGIN, IL 60123	RCRIS-SQG FINDS FTTS INSP LUST	ILD082050543

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
RCRIS-TSD..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SHWS..... State Oversight List
SWF/LF..... Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
DOD..... Department of Defense Sites
US BROWNFIELDS..... A Listing of Brownfields Sites
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems

STATE OR LOCAL ASTM SUPPLEMENTAL

IL NIPC..... Solid Waste Landfill Inventory

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
Inst Control..... Institutional Controls

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

FEDERAL ASTM STANDARD

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/18/2003 has revealed that there is 1 CORRACTS site within approximately 1.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>DSM DESOTECH INC</i>	<i>1122 ST CHARLES ROAD</i>	<i>1 - 2 ESE</i>	<i>30</i>	<i>30</i>

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-LQG list, as provided by EDR, and dated 12/10/2003 has revealed that there are 2 RCRIS-LQG sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>IL CENTRAL MGMNT SERV DEPT OF</i>	<i>595 S STATE ST</i>	<i>1/8 - 1/4 ENE</i>	<i>C10</i>	<i>15</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CENTRAL BLACKTOP CO INC</i>	<i>RTE 30</i>	<i>1/8 - 1/4 ENE</i>	<i>6</i>	<i>13</i>

EXECUTIVE SUMMARY

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 12/10/2003 has revealed that there are 4 RCRIS-SQG sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ILL DEPT OF TRANS	595 S STATE ST	1/8 - 1/4 ENE	C8	13
STAR DISPLAYS INC	38 W 636 RTE 20	1/4 - 1/2 WNW	B12	16
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ISP DIST 2 ELGIN HQ	777 S STATE ST	1/4 - 1/2 SSE	D13	17
PACE RIVER DIV	975 S STATE ST	1/4 - 1/2 S	E18	21

STATE ASTM STANDARD

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

A review of the LUST list, as provided by EDR, and dated 11/24/2003 has revealed that there are 10 LUST sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CMS	595 SOUTH STATE ST.	1/8 - 1/4 ENE	C11	16
BONCOSKY OIL CO.	355 HENDEE ST.	1/2 - 1 NE	19	21
STATE & WALNUT QUIK MART	300 SOUTH STATE ST.	1/2 - 1 NNE	F21	23
PIT SHOP THE	268 S STATE ST	1/2 - 1 NNE	F23	24
EMRO MARKETING NO 7617	771 WALNUT AVE	1/2 - 1 NW	G26	26
SPEEDWAY SUPERAMERICA	771 WALNUT	1/2 - 1 NW	G27	28
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PACE SUBURBAN BUS	975 SOUTH STATE	1/4 - 1/2 S	E17	20
AIP PROD.	2051 NORTH LA FOX	1/2 - 1 S	22	23
LEWA CO.	S WEST WALNUT AVE.	1/2 - 1 NNE	24	25
CENTRAL BLACKTOP CO.	RT. 31	1/2 - 1 SSW	29	29

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

A review of the UST list, as provided by EDR, and dated 12/09/2003 has revealed that there are 5 UST

EXECUTIVE SUMMARY

sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PET-AG INC	30W432 ROUTE 20	1/8 - 1/4 WNW	B7	13
ELGIN STATE GARAGE	595 S STATE ST	1/8 - 1/4 ENE	C9	14
KATZ & SONS WEST	438 S. STATE	1/4 - 1/2 NE	15	18
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
IL DEPT OF STATE POLICE	777 S STATE ST	1/4 - 1/2 SSE	D14	17
ELGIN SANITARY DIST OF	875 S STATE ST	1/4 - 1/2 S	16	19

A review of the SRP list, as provided by EDR, and dated 10/31/2003 has revealed that there is 1 SRP site within approximately 0.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ELGIN AMERICAN GAS COMPANY	32 NATIONAL STREET	1/2 - 1 NE	28	29

IMPDMNT: Statewide inventory of industrial, municipal, mining, oil & gas, and large agricultural impoundment. This study was conducted by the Illinois EPA to assess potential for contamination of shallow aquifers. This was a one-time study. Although many of the impoundments may no longer be present, the sites may be contaminated.

A review of the IMPDMNT list, as provided by EDR, and dated 12/31/1980 has revealed that there are 2 IMPDMNT sites within approximately 0.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ELGIN SANITARY DISTRICT		1/2 - 1 SSE	20	22
ELGIN SANITARY DISTRICT		1/2 - 1 ESE	25	25

CAT: Illinois Category List.

A review of the CAT list, as provided by EDR, and dated 06/01/1997 has revealed that there is 1 CAT site within approximately 1.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DSM DESOTO, INC.		1 - 2 ESE	31	34

FEDERAL ASTM SUPPLEMENTAL

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

EXECUTIVE SUMMARY

cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 10/23/2003 has revealed that there are 2 FINDS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
IL CENTRAL MGMNT SERV DEPT OF	595 S STATE ST.	1/8 - 1/4 ENE	C10	15
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CENTRAL BLACKTOP CO INC	RTE 30	1/8 - 1/4 ENE	6	13

BROWNFIELDS DATABASES

A review of the SRP list, as provided by EDR, and dated 10/31/2003 has revealed that there is 1 SRP site within approximately 0.75 miles of the target property.

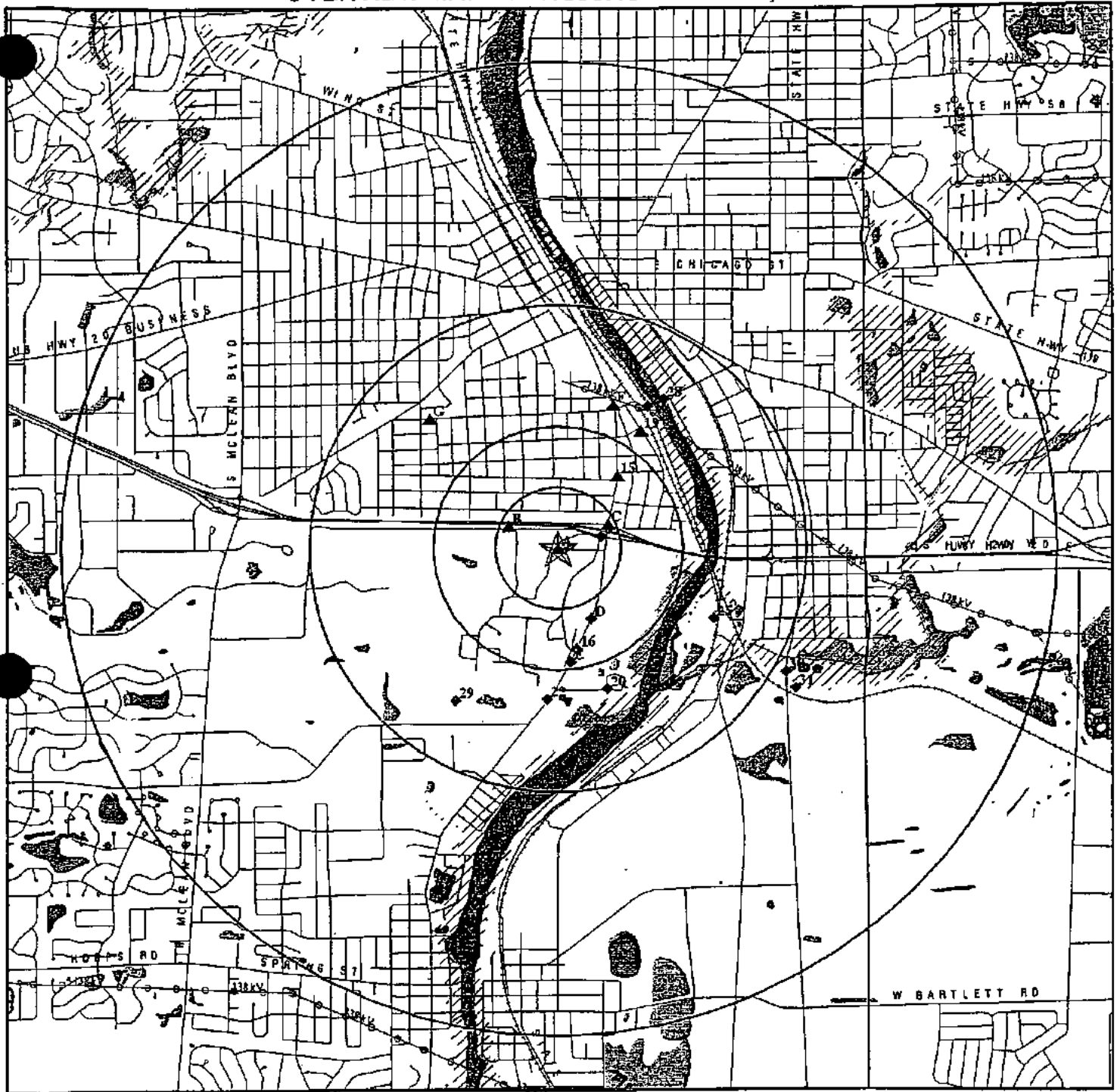
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ELGIN AMERICAN GAS COMPANY	32 NATIONAL STREET	1/2 - 1 NE	28	29

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
COMMONWEALTH EDISON	FINDS, FTTS INSP
ELGIN SEVENTH DAY ADVENTIST	FINDS, FTTS INSP
CAPSONIC GROUP INC	FTTS INSP
SAFETY KLEEN CORP 3-097-01	RCRIS-LQG, RCRIS-TSD, FINDS, CORRACTS
SAFETY KLEEN CORP 3-163-02	RCRIS-LQG, RCRIS-TSD, FINDS, CORRACTS
WOODLAND RDF LANDSCAPE WASTE TRANSF WASTE MANAGEMENT WEST	SWF/LF
VENCOSKY OIL CO.	LUST
INTER-CONTINENTAL REAL ESTATE	LUST
ILLINOIS STATE TOLL HWY. AUTHORITY	LUST
ELGIN, CITY OF	LUST
WILLOW LAKE ESTATES	LUST
AUTOMOTIVE SPECIALTIES OF KANE COUNTY	RCRIS-SQG, FINDS
VICTORY LITHOGRAPH INC	RCRIS-SQG, FINDS
PLATO AUTO BODY	RCRIS-SQG, FINDS
ARIANS AUTO BODY	RCRIS-SQG, FINDS
DAILY HERALD	RCRIS-SQG, FINDS
MOTOROLA DIST & SERV CENTER	RCRIS-SQG, FINDS
TOWNSHIP OF ELGIN	RCRIS-SQG, FINDS
ELGIN MOLDED PLASTICS	RCRIS-SQG, FINDS
SPARTAN MEADOWS GOLF COURSE	RCRIS-SQG, FINDS
ILLINOIS TOLLWAY AUTHORITY	RCRIS-SQG, FINDS
WING PARK MAINT BLDG	RCRIS-SQG, FINDS
ROHM & HAAS MIDWEST TECH CTR	RCRIS-LQG, FINDS
ALPHA METALS	RCRIS-LQG, FINDS
BETWEEN ST CHARLES AND ELGIN/RTE 25	ERNS
IN FRONT OF ELGIN STATE BANK ON GROVE ST TRANSFORMER IS LOCA STARTED AT 1091 DAVIS RD. ENDED AT 350, 2ND ST, ELGIN-IL	ERNS
VULCAN CONSTRUCTION MATERIALS ELGIN #51	ERNS
FOX RIVER BUSINESS CENTER	FINDS
ELGIN AGGREGATES	FINDS
SAFETY-KLEEN - ELGIN	FINDS
EAGLES CLUB	TSCA
FIRST PRIORITY, INC	SRP
HYDROX LABORATORIES	SSTS
CALYPSO POOL SUPPLY, INC	SSTS

OVERVIEW MAP - 1121598.4s - Terracon, Inc.

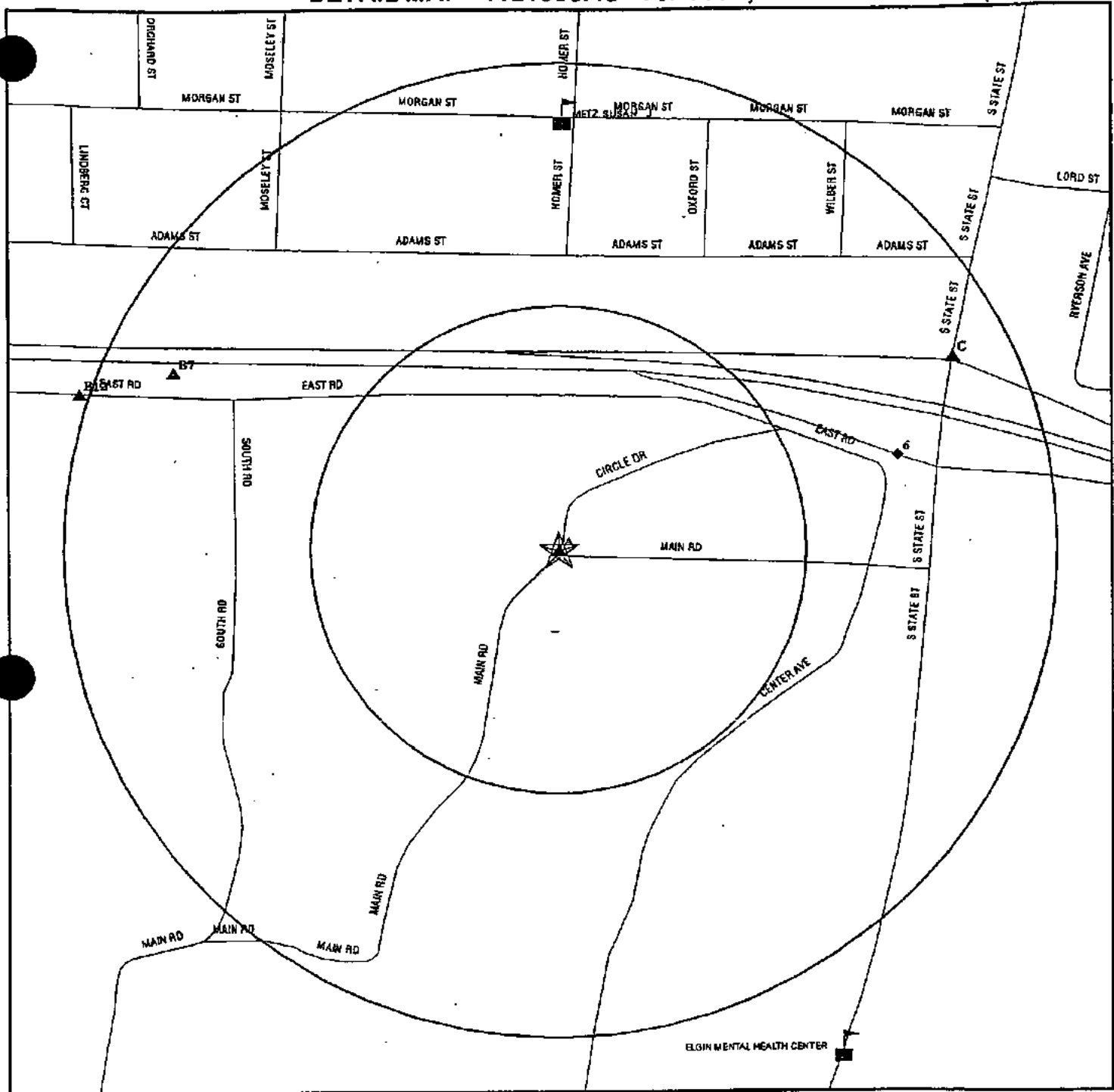


- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Federal Wetlands

TARGET PROPERTY: Elgin Mental Health Center
 ADDRESS: SW of IL Route 31/US Rt. 20
 CITY/STATE/ZIP: Elgin IL 60123
 LAT/LONG: 42.0209 / 88.2872

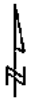
CUSTOMER: Terracon, Inc.
 CONTACT: Beth
 INQUIRY #: 1121598.4s
 DATE: February 02, 2004 2:06 pm

DETAIL MAP - 1121598.4s - Terracon, Inc.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Coal Gasification Sites
- ⚡ Sensitive Receptors
- 🗑️ National Priority List Sites
- 🗑️ Landfill Sites
- 🗑️ Dept. Defense Sites

- ▭ County Boundary
- ▭ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone



TARGET PROPERTY: Elgin Mental Health Center
 ADDRESS: SW of IL Route 31/US Rt. 20
 CITY/STATE/ZIP: Elgin IL 60123
 LAT/LONG: 42.0209 / 88.2872

CUSTOMER: Terracon, Inc.
 CONTACT: Beth
 INQUIRY #: 1121598.4s
 DATE: February 02, 2004 2:06 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.250	0	0	0	0	0	0
Proposed NPL		1.250	0	0	0	0	0	0
CERCLIS		0.750	0	0	0	0	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.250	0	0	0	0	1	1
RCRIS-TSD		0.750	0	0	0	0	NR	0
RCRIS Lg. Quan. Gen.		0.500	0	2	0	NR	NR	2
RCRIS Sm. Quan. Gen.	X	0.500	0	1	3	NR	NR	4
ERNS		0.250	0	0	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.250	0	0	0	0	0	0
State Landfill		0.750	0	0	0	0	NR	0
LUST	X	0.750	0	1	1	8	NR	10
UST	X	0.500	0	2	3	NR	NR	5
SRP		0.750	0	0	0	1	NR	1
IMPOMENT		0.750	0	0	0	2	NR	2
CAT		1.250	0	0	0	0	1	1
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.250	0	0	0	0	0	0
ROD		1.250	0	0	0	0	0	0
Delisted NPL		1.250	0	0	0	0	0	0
FINDS	X	0.250	0	2	NR	NR	NR	2
HMIRS		0.250	0	0	NR	NR	NR	0
MLTS		0.250	0	0	NR	NR	NR	0
MINES		0.500	0	0	0	NR	NR	0
NPL Liens		0.250	0	0	NR	NR	NR	0
PADS		0.250	0	0	NR	NR	NR	0
DOD		1.250	0	0	0	0	0	0
US BROWNFIELDS		0.750	0	0	0	0	NR	0
RAATS		0.250	0	0	NR	NR	NR	0
TRIS		0.250	0	0	NR	NR	NR	0
TSCA		0.250	0	0	NR	NR	NR	0
SSTS		0.250	0	0	NR	NR	NR	0
FTTS	X	0.250	0	0	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
IL NIPC		0.750	0	0	0	0	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.250	0	0	0	0	0	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>BROWNFIELDS DATABASES</u>								
US BROWNFIELDS		0.750	0	0	0	0	NR	0
Inst Control		0.500	0	0	0	NR	NR	0
SRP		0.750	0	0	0	1	NR	1

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1 ELGIN MENTAL HEALTH CTR
Target 750 S STATE ST
Property ELGIN, IL 60123

UST U001144910
N/A

Actual:
750 ft.

Site 1 of 5 in cluster A

UST:

Facility ID: 2008097
Status: Active
Owner Name: Elgin Mental Health Center
Owner Address: 750 S State St
Elgin, IL 60123
Contact: Aschenbrenned Carl
Phone #: (087) 421-040
Tank Status: Removed
Tank Last Used: Not reported
Enforcement: No
Fee Owed: No
Tank Number: 1
Tank Capacity: 2000
Tank Age: 32
Tank Red Tag: No
Tank Substance: Diesel
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2008097
Status: Active
Owner Name: Elgin Mental Health Center
Owner Address: 750 S State St
Elgin, IL 60123
Contact: Aschenbrenned Carl
Phone #: (087) 421-040
Tank Status: Removed
Tank Last Used: Not reported
Enforcement: No
Fee Owed: No
Tank Number: 2
Tank Capacity: 500
Tank Age: 32
Tank Red Tag: No
Tank Substance: Diesel
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2008097
Status: Active
Owner Name: Elgin Mental Health Center
Owner Address: 750 S State St
Elgin, IL 60123
Contact: Aschenbrenned Carl
Phone #: (087) 421-040
Tank Status: Removed
Tank Last Used: 09/01/1989 00:00:00
Enforcement: No

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CTR (Continued)

U001144910

Fee Owed: No
Tank Number: 3
Tank Capacity: 500
Tank Age: 99
Tank Red Tag: No
Tank Substance: Diesel
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2008097
Status: Active
Owner Name: Elgin Mental Health Center
Owner Address: 750 S State St
Elgin, IL 60123

Contact: Aschenbrenned Carl
Phone #: (087) 421-040
Tank Status: Removed
Tank Last Used: 09/01/1989 00:00:00

Enforcement: No
Fee Owed: No
Tank Number: 4
Tank Capacity: 500
Tank Age: 99
Tank Red Tag: No
Tank Substance: Gasoline
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2008097
Status: Active
Owner Name: Elgin Mental Health Center
Owner Address: 750 S State St
Elgin, IL 60123

Contact: Aschenbrenned Carl
Phone #: (087) 421-040
Tank Status: Currently in use
Tank Last Used: Not reported

Enforcement: No
Fee Owed: No
Tank Number: 5
Tank Capacity: 1000
Tank Age: 13
Tank Red Tag: No
Tank Substance: Diesel
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2008097
Status: Active
Owner Name: Elgin Mental Health Center
Owner Address: 750 S State St
Elgin, IL 60123

Contact: Aschenbrenned Carl
Phone #: (087) 421-040
Tank Status: Currently in use
Tank Last Used: Not reported
Enforcement: No

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CTR (Continued)

U001144910

Fee Owed: No
Tank Number: 6
Tank Capacity: 1000
Tank Age: 13
Tank Red Tag: No
Tank Substance: Gasoline
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2008097
Status: Active
Owner Name: Elgin Mental Health Center
Owner Address: 750 S State St
Elgin, IL 60123
Contact: Aschenbrenned Carl
Phone #: (087) 421-040
Tank Status: Exempt from registration
Tank Last Used: 12/31/1973 00:00:00

Enforcement: No
Fee Owed: No
Tank Number: 7
Tank Capacity: 1000
Tank Age: Not reported
Tank Red Tag: No
Tank Substance: Heating Oil
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2008097
Status: Active
Owner Name: Elgin Mental Health Center
Owner Address: 750 S State St
Elgin, IL 60123
Contact: Aschenbrenned Carl
Phone #: (087) 421-040
Tank Status: Currently in use
Tank Last Used: Not reported

Enforcement: No
Fee Owed: No
Tank Number: 8
Tank Capacity: 1000
Tank Age: 4
Tank Red Tag: No
Tank Substance: Diesel
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2008097
Status: Active
Owner Name: Elgin Mental Health Center
Owner Address: 750 S State St
Elgin, IL 60123
Contact: Aschenbrenned Carl
Phone #: (087) 421-040
Tank Status: Currently in use
Tank Last Used: Not reported
Enforcement: No

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ELGIN MENTAL HEALTH CTR (Continued)

U001144910

Fee Owed: No
 Tank Number: 9
 Tank Capacity: 1000
 Tank Age: 4
 Tank Red Tag: No
 Tank Substance: Diesel
 Permit Number: Not reported
 Permit Expires: Not reported

A2 Target Property
 DHS ELGIN MENTAL HEALTH CTR.
 750 SOUTH STATE ST.
 ELGIN, IL 60123

LUST S104528874
 N/A

Site 2 of 5 in cluster A

Actual:
 750 ft.

LUST:
 Incident Num : 981699
 IL EPA Id : 0894385115
 IEMA Date : 07/13/1998
 Attn : Mike Berlin
 PRP Name : DHS Elgin Mental Health Ctr.
 PRP Address : 750 South State St.
 Elgin, IL 60123
 PRP Phone : 8477421040
 Non LUST Determination Letter : 11/30/1998
 NFA/NFR Letter : / /
 Site Classification : Not reported
 Project Manager : Ingold
 Project Manager Phone: (217) 785-8378
 Email : Dawn.ingold@epa.state.il.us
 Section 57.59(g) : 732
 Section 57.59(g) Letter : / /
 Product - Gasoline: False
 Product - Unleaded Gas: False
 Product - Diesel: True
 Product - Fuel Oil: False
 Product - Jet Fuel: False
 Product - Used Oil: False
 Product - Non Petro: False
 Product - Other Petro: False
 20 Report Received : 08/10/1998
 45 Report Received : / /
 NFR Date Recorded : / /

A3 Target Property
 ILLINOIS RACING BOARD LABORATORY
 750 S STATE MENDEL BLDG EMHC
 ELGIN, IL 60120

RCRIS-SQG 1000258064
 FINDS ILD012123139

Site 3 of 5 in cluster A

Actual:
 750 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ILLINOIS RACING BOARD LABORATORY (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000258064

RCRIS:

Owner: STATE OF ILLINOIS
(312) 555-1212
EPA ID: ILD012123139
Contact: MIKE-CHEMIST ARTEMENKO
(312) 695-0336

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

A4
Target
Property

ELGIN MENTAL HEALTH CTR
750 S STATE ST
ELGIN, IL 60123

UST U003910354
N/A

Actual:
750 ft.

Site 4 of 5 in cluster A

UST:

Facility ID: 8000512
Status: Merged
Owner Name: Elgin Mental Health Ctr
Owner Address: 750 S State St
Elgin, IL 60123
Contact: Not reported
Phone #: Not reported
Tank Status: Not reported
Tank Last Used: Not reported
Enforcement: No
Fee Owed: Not reported
Tank Number: Not reported
Tank Capacity: Not reported
Tank Age: Not reported
Tank Red Tag: Not reported
Tank Substance: Not reported
Permit Number: Not reported
Permit Expires: Not reported

A5
Target
Property

ELGIN MENTAL HEALTH CENTER
750 S STATE
ELGIN, IL 60123

RCRIS-SQG 1000462219
FINDS ILD082050543
FTTS INSP
LUST

Actual:
750 ft.

Site 5 of 5 in cluster A

FTTS Insp:
Region: 05
Inspected Date: 2/19/1986 0:00:00
Insp Number: 1986021990000 1
Violation occurred: Yes
Inspector: MCDONALD
Investigation Type: Section 6 PCB Federal Conducted
Facility Function: Manufacturer

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ELGIN MENTAL HEALTH CENTER (Continued)

1000462219

Investig Reason: Not reported
Legislation Code: TSCA

RCRIS:

Owner: IL DEPT MENTAL HEALTH STATE OF
EPA ID: ILD082050543
Contact: BILL CLANIN
(708) 342-1040

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
AIRS/AIRS Facility Subsystem (AIRS/AFS)
Integrated Compliance Information System (ICIS)
National Compliance Database (NCDB)
National Emissions Inventory (NEI)
National Emissions Trends (NET)
National Toxics Inventory (NTI)
Resource Conservation and Recovery Act Information system (RCRAINFO)

LUST:

Incident Num : 891217
IL EPA id : 0894385115
IEMA Date : 07/12/1989
Attn : Bill Clapin
PRP Name : Elgin Mental Health Ctr.
PRP Address : 750 South State
Elgin, IL 60123
PRP Phone : Not reported
Non LUST Determination Letter : //
NFA/NFR Letter : //
Site Classification : Not reported
Project Manager : NOT ASSIGNED
Project Manager Phone: Not reported
Email : Not reported
Section 57.59(g) : 731
Section 57.59(g) Letter : //
Product - Gasoline: True
Product - Unleaded Gas: False
Product - Diesel: False
Product - Fuel Oil: False
Product - Jet Fuel: False
Product - Used Oil: False
Product - Non Petro: False
Product - Other Petro: False
20 Report Received : //
45 Report Received : //
NFR Date Recorded : //

Incident Num : 981344
IL EPA id : 0894385115
IEMA Date : 06/05/1998
Attn : Bob Zoller
PRP Name : Elgin Mental Health Dept. of Human Services

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

ELGIN MENTAL HEALTH CENTER (Continued)

1000462219

PRP Address : 750 South State
Elgin, IL 60123
PRP Phone : 8477421040
Non LUST Determination Letter : / /
NFA/NFR Letter : 03/22/1999
Site Classification : Not reported
Project Manager : Ingold
Project Manager Phone: (217) 785-8378
Email : Dawn.Ingold@epa.state.il.us
Section 57.59(g) : 732
Section 57.59(g) Letter : / /
Product - Gasoline: False
Product - Unleaded Gas: False
Product - Deisel: True
Product - Fuel Oil: False
Product - Jet Fuel: False
Product - Used Oil: False
Product - Non Petro: False
Product - Other Petro: False
20 Report Received : / /
45 Report Received : 07/28/1998
NFR Date Recorded : 07/09/1999

Incident Num : 940022
IL EPA Id : 0894385115
IEMA Date : 01/04/1994
Attn : Bob Zoller
PRP Name : Elgin Mental Health Ctr.
PRP Address : 750 South State
Elgin, IL 60123
PRP Phone : Not reported
Non LUST Determination Letter : / /
NFA/NFR Letter : / /
Site Classification : Not reported
Project Manager : Bauer
Project Manager Phone: (217) 782-3335
Email : Brian.Bauer@epa.state.il.us
Section 57.59(g) : 732
Section 57.59(g) Letter : 12/27/1994
Product - Gasoline: False
Product - Unleaded Gas: False
Product - Deisel: False
Product - Fuel Oil: False
Product - Jet Fuel: False
Product - Used Oil: False
Product - Non Petro: False
Product - Other Petro: False
20 Report Received : 02/22/1994
45 Report Received : / /
NFR Date Recorded : / /

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

Database(s) EDR ID Number
 EPA ID Number

6 CENTRAL BLACKTOP CO INC
 ENE RTE 30
 1/8-1/4 SOUTH ELGIN, IL 60177
 935 ft.

RCRIS-LOG 1000611848
 FINDS ILD984820621

Relative: RCRIS:
 Lower Owner: CENTRAL BLACKTOP CO
 EPA ID: ILD984820621
 Actual: Contact: JOSEPH BENSON
 745 ft. (708) 482-9660
 Classification: Large Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 Resource Conservation and Recovery Act Information system (RCRAINFO)

B7 PET-AG INC
 WNW 30W432 ROUTE 20
 1/8-1/4 ELGIN, IL 60120
 1134 ft.

UST U003152504
 N/A

Relative: Site 1 of 2 in cluster B
 Higher UST:
 Actual: Facility ID: 2035465
 768 ft. Status: Exempt
 Owner Name: Pet-Ag Inc
 Owner Address: 30W432 Route 20
 Elgin, IL 60120
 Contact: Not reported
 Phone #: Not reported
 Tank Status: Exempt from registration
 Tank Last Used: 12/01/1973 00:00:00
 Enforcement: No
 Fee Owed: No
 Tank Number: 1
 Tank Capacity: 300
 Tank Age: Not reported
 Tank Red Tag: No
 Tank Substance: Heating Oil
 Permit Number: Not reported
 Permit Expires: Not reported

C8 ILL DEPT OF TRANS
 ENE 595 S STATE ST
 1/8-1/4 ELGIN, IL 60123
 1166 ft.

RCRIS-SQG 1000110478
 ILD982605990

Relative: Site 1 of 4 in cluster C
 Higher
 Actual: 752 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ILL DEPT OF TRANS (Continued)

1000110478

RCRIS:

Owner: ILLINOIS STATE OF
(312) 555-1212
EPA ID: ILD982605990
Contact: RONALD CONLEY
(312) 741-5302
Classification: Small Quantity Generator
TSD Activities: Not reported
Violation Status: No violations found

C9
ENE
1/8-1/4
1166 ft.

ELGIN STATE GARAGE
595 S STATE ST
ELGIN, IL 60123

UST U000177071
N/A

Site 2 of 4 in cluster C

Relative:
Higher

UST:

Actual:
752 ft.

Facility ID: 2008417
Status: Active
Owner Name: Il Dept Of Central Mgmt Ser
Owner Address: 200 E Ash St
Springfield, IL 62704
Contact: Mary Hartman
Phone #: (847) 741-1135
Tank Status: Removed
Tank Last Used: 12/22/1998 00:00:00
Enforcement: No
Fee Owed: No
Tank Number: 1
Tank Capacity: 10000
Tank Age: 16
Tank Red Tag: No
Tank Substance: Diesel
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2008417
Status: Active
Owner Name: Il Dept Of Central Mgmt Ser
Owner Address: 200 E Ash St
Springfield, IL 62704
Contact: Mary Hartman
Phone #: (847) 741-1135
Tank Status: Removed
Tank Last Used: 12/22/1998 00:00:00
Enforcement: No
Fee Owed: No
Tank Number: 2
Tank Capacity: 10000
Tank Age: 17
Tank Red Tag: No
Tank Substance: Gasoline
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2008417

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ELGIN STATE GARAGE (Continued)

U000177071

Status: Active
Owner Name: Il Dept Of Central Mgmt Ser
Owner Address: 200 E Ash St
Springfield, IL 62704
Contact: Mary Hartman
Phone #: (847) 741-1135
Tank Status: Currently in use
Tank Last Used: Not reported
Enforcement: No
Fee Owed: No
Tank Number: 3
Tank Capacity: 10000
Tank Age: 4
Tank Red Tag: No
Tank Substance: Gasoline
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2008417
Status: Active
Owner Name: Il Dept Of Central Mgmt Ser
Owner Address: 200 E Ash St
Springfield, IL 62704
Contact: Mary Hartman
Phone #: (847) 741-1135
Tank Status: Currently in use
Tank Last Used: Not reported
Enforcement: No
Fee Owed: No
Tank Number: 4
Tank Capacity: 10000
Tank Age: 4
Tank Red Tag: No
Tank Substance: Diesel
Permit Number: Not reported
Permit Expires: Not reported

C10
ENE
1/8-1/4
1166 ft.

IL CENTRAL MGMNT SERV DEPT OF VEHICLES
595 S STATE ST
ELGIN, IL 60123

RCRIS-LQG 1000168850
FINDS ILD981955271

Site 3 of 4 in cluster C

Relative:
Higher

RCRIS:
Owner: ILLINOIS STATE OF
(312) 555-1212
EPA ID: ILD981955271
Contact: STEVE HALL
(217) 782-2535

Actual:
752 ft.

Classification: Large Quantity Generator
TSDF Activities: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

IL CENTRAL MGMNT SERV DEPT OF VEHICLES (Continued)

1000168850

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Resource Conservation and Recovery Act Information system (RCRAINFO)

C11 CMS
 ENE 595 SOUTH STATE ST.
 1/8-1/4 ELGIN, IL 60123
 1166 ft.

LUST S104190562
 N/A

Site 4 of 4 in cluster C

Relative:
 Higher

LUST:

Actual:
 752 ft.

Incident Num : 992177
 IL EPA Id : 0894385079
 IEMA Date : 09/21/1999
 Attn : Mary Hartman
 PRP Name : CMS
 PRP Address : 595 South State St.
 Elgin, IL 60123
 PRP Phone : 8477411135
 Non LUST Determination Letter : //
 NFA/NFR Letter : 11/30/1999
 Site Classification : Not reported
 Project Manager : Rominger
 Project Manager Phone: Not reported
 Email : Not reported
 Section 57.59(g) : 732
 Section 57.59(g) Letter : //
 Product - Gasoline: True
 Product - Unleaded Gas: False
 Product - Diesel: True
 Product - Fuel Oil: False
 Product - Jet Fuel: False
 Product - Used Oil: False
 Product - Non Petro: False
 Product - Other Petro: False
 20 Report Received : 10/08/1999
 45 Report Received : 11/12/1999
 NFR Date Recorded : 08/25/2000

B12 STAR DISPLAYS INC
 WNW 38 W 636 RTE 20
 1/4-1/2 ELGIN, IL 60123
 1347 ft.

RCRIS-SQG 1000614534
 FINDS ILD984848481

Site 2 of 2 in cluster B

Relative:
 Higher

Actual:
 768 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)
 EDR ID Number
 EPA ID Number

STAR DISPLAYS INC (Continued)

1000614534

RCRIS:

Owner: H AND H PARTNERSHIP
 (708) 695-2040
 EPA ID: ILD984848481
 Contact: DAN ZURBACH
 (708) 695-2040

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Resource Conservation and Recovery Act Information system (RCRAINFO)

D13
 SSE
 1/4-1/2
 1680 ft.

ISP DIST 2 ELGIN HQ
 777 S STATE ST
 ELGIN, IL 60123

RCRIS-SQG 1000824181
 FINDS ILD984905513

Site 1 of 2 in cluster D

Relative:
 Lower

RCRIS:

Owner: ILL STATE POLICE
 (217) 782-4467
 EPA ID: ILD984905513
 Contact: MIKE GLEASON
 (217) 782-4467

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: No violations found

Actual:
 728 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Resource Conservation and Recovery Act Information system (RCRAINFO)

D14
 SSE
 1/4-1/2
 1680 ft.

IL DEPT OF STATE POLICE
 777 S STATE ST
 ELGIN, IL 60120

UST U000177102
 N/A

Site 2 of 2 in cluster D

Relative:
 Lower

UST:

Facility ID: 2020383
 Status: Closed
 Owner Name: Il Dept Of State Police
 Owner Address: 401 Armory Bldg
 Springfield, IL 62706
 Contact: Martin M Sgt Norman
 Phone #: (312) 742-3553
 Tank Status: Removed
 Tank Last Used: 01/01/1980 00:00:00
 Enforcement: No
 Fee Owed: No
 Tank Number: 1
 Tank Capacity: 0

Actual:
 728 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

IL DEPT OF STATE POLICE (Continued)

U000177102

Tank Age: 99
Tank Red Tag: No
Tank Substance: Gasoline
Permit Number: Not reported
Permit Expires: Not reported

15 KATZ & SONS WEST
NE 438 S. STATE
1/4-1/2 ELGIN, IL 60120
2010 ft.

UST U001144915
N/A

Relative:
Higher

UST:

Actual:
767 ft.

Facility ID: 2018200
Status: Closed
Owner Name: Katz Richard C
Owner Address: 514 Algona
Elgin, IL 60120
Contact: Katz, Richard C.
Phone #: (312) 741-9117
Tank Status: Removed
Tank Last Used: Not reported
Enforcement: No
Fee Owed: No
Tank Number: 1
Tank Capacity: 6000
Tank Age: 22
Tank Red Tag: No
Tank Substance: Gasoline
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2018200
Status: Closed
Owner Name: Katz Richard C
Owner Address: 514 Algona
Elgin, IL 60120
Contact: Katz, Richard C.
Phone #: (312) 741-9117
Tank Status: Removed
Tank Last Used: Not reported
Enforcement: No
Fee Owed: No
Tank Number: 2
Tank Capacity: 3000
Tank Age: 27
Tank Red Tag: No
Tank Substance: Gasoline
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2018200
Status: Closed
Owner Name: Katz Richard C
Owner Address: 514 Algona
Elgin, IL 60120
Contact: Katz, Richard C.
Phone #: (312) 741-9117
Tank Status: Removed
Tank Last Used: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

EDR ID Number
EPA ID Number
Database(s)

U001144915

KATZ & SONS WEST (Continued)

Enforcement: No
Fee Owed: No
Tank Number: 3
Tank Capacity: 1000
Tank Age: 99
Tank Red Tag: No
Tank Substance: Gasoline
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2018200
Status: Closed
Owner Name: Katz Richard C
Owner Address: 514 Algona
Elgin, IL 60120
Contact: Katz, Richard C.
Phone #: (312) 741-9117

Tank Status: Removed
Tank Last Used: Not reported
Enforcement: No
Fee Owed: No
Tank Number: 4
Tank Capacity: 1000
Tank Age: 99
Tank Red Tag: No
Tank Substance: Gasoline
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 2018200
Status: Closed
Owner Name: Katz Richard C
Owner Address: 514 Algona
Elgin, IL 60120
Contact: Katz, Richard C.
Phone #: (312) 741-9117

Tank Status: Removed
Tank Last Used: Not reported
Enforcement: No
Fee Owed: No
Tank Number: 5
Tank Capacity: 275
Tank Age: 99
Tank Red Tag: No
Tank Substance: Used Oil
Permit Number: Not reported
Permit Expires: Not reported

16
South
1/4-1/2
2215 ft.

ELGIN SANITARY DIST OF
875 S STATE ST
ELGIN, IL 60120

UST U000867602
N/A

Relative:
Lower

UST:
Facility ID: 2005523
Status: Exempt
Owner Name: Elgin Sanitary District
Owner Address: Po Box 92
Elgin, IL 60121

Actual:
732 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

Database(s) EDR ID Number
 EPA ID Number

ELGIN SANITARY DIST OF (Continued)

U000867602

Contact: Pagorski Albin D
 Phone #: (312) 742-2068
 Tank Status: Exempt from registration
 Tank Last Used: Not reported
 Enforcement: No
 Fee Owed: No
 Tank Number: 1
 Tank Capacity: 6000
 Tank Age: 25
 Tank Red Tag: No
 Tank Substance: Not reported
 Permit Number: Not reported
 Permit Expires: Not reported

E17
 South
 1/4-1/2
 2470 ft.

PACE SUBURBAN BUS
 975 SOUTH STATE
 ELGIN, IL 60123

LUST S104528628
 N/A

Site 1 of 2 in cluster E

Relative:
 Lower

Actual:
 731 ft.

LUST:
 Incident Num : 980708
 IL EPA Id : 0894385145
 IEMA Date : 04/01/1998
 Attn : David Szaffarski
 PRP Name : Pace Suburban Bus
 PRP Address : 550 West Algonquin Rd.
 Arlington Heights, IL 60005
 PRP Phone : 8472282453
 Non LUST Determination Letter : //
 NFA/NFR Letter : 08/02/1999
 Site Classification : Not reported
 Project Manager : Gebhardt
 Project Manager Phone: 1-888-299-9533
 Email : Not reported
 Section 57.59(g) : 731
 Section 57.59(g) Letter : //
 Product - Gasoline: False
 Product - Unleaded Gas: False
 Product - Diesel: False
 Product - Fuel Oil: False
 Product - Jet Fuel: False
 Product - Used Oil: False
 Product - Non Petro: True
 Product - Other Petro: False
 20 Report Received : 05/05/1998
 45 Report Received : 07/01/1998
 NFR Date Recorded : 09/13/1999

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

Database(s) EDR ID Number
 EPA ID Number

E18 PACE RIVER DIV
 South 975 S STATE ST
 1/4-1/2 ELGIN, IL 60123
 2470 ft.

RCRIS-SQG 1000453043
 FINDS ILD984787762

Site 2 of 2 in cluster E

Relative:
 Lower

RCRIS:
 Owner: PACE SUBURBAN BUS
 EPA ID: ILD984787762
 Contact: JOHN CALAME
 (708) 695-6500

Actual:
 731 ft.

Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Resource Conservation and Recovery Act Information system (RCRAINFO)

19 BONCOSKY OIL CO.
 NE 355 HENDEE ST.
 1/2-1 ELGIN, IL 60123
 3095 ft.

LUST S103692076
 N/A

Relative:
 Higher

LUST:
 Incident Num : 983019
 IL EPA Id : 0894385578
 IEMA Date : 12/09/1998
 Attn : Mike Havenga
 PRP Name : Boncosky Oil Co.
 PRP Address : 739 North State St.
 Elgin, IL 60123
 PRP Phone : 8477412577
 Non LUST Determination Letter : / /
 NFA/NFR Letter : / /
 Site Classification : HIGH
 Project Manager : Kaiser
 Project Manager Phone: (217) 524-4650
 Email : Karl.Kaiser@epa.state.il.us
 Section 57.59(g) : 732
 Section 57.59(g) Letter : / /
 Product - Gasoline: False
 Product - Unleaded Gas: False
 Product - Deisel: True
 Product - Fuel Oil: False
 Product - Jet Fuel: False
 Product - Used Oil: False
 Product - Non Petro: False
 Product - Other Petro: False
 20 Report Received : 12/28/1998
 45 Report Received : 01/15/1999
 NFR Date Recorded : / /

Actual:
 753 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

Database(s) EDR ID Number
 EPA ID Number

20 ELGIN SANITARY DISTRICT
 SSE
 1/2-1 KANE (County), IL
 3219 ft.

IMPDMNT S105250528
 N/A

Relative:
 Lower

SIA:

Actual:
 709 ft.

County FIPS Code: 089
 FIPS Place Code (City/Town): 23074
 Type of Impoundment Facility: MUNICIPAL
 # of impoundments at Site: 002
 IEPA ID: 0
 NPDES Permit #: IL0035891
 SIC Code : 4952
 Lat/Lon: 420045 / 0881700
 Date Facility Id'd & Inventoried: 41879
 Land owner street address: ELGIN AVE & RAYMOND ST-P O BOX 92
 ELGIN, IL 60120
 Operator of impoundment: Not reported
 Operator address: Not reported
 0
 Dun & Bradstreet # Identifying Facility Type : Not reported
 Dun & Bradst # identifying operator's type of business: Not reported
 Unique Record # assigned by S. Schock : P4855
 State Abbreviation: Not reported
 County FIPS Code: Not reported
 Place Code: 0
 Type of Impoundment Facility 2: Not reported
 SIA Number: Not reported
 Unique impoundment Number : Not reported
 Purpose For Impoundment: Not reported
 Explanation For Above: Not reported
 Age of Impoundment in Years: Not reported
 Impoundment Currently In Use : Not reported
 # of years in Operation if In Use: Not reported
 Last Year of Operation if Not in Use: Not reported
 Surface Area of impoundment (acres): Not reported
 Surface Area of all impoundments (acres): Not reported
 Average Influent (Gal/day) Into Impoundment: Not reported
 Year of Record for above (influent) average: Not reported
 Average Effluent (gal/day) out of impoundment: Not reported
 Year of record for above (effluent) average: Not reported
 Avg Influent For All Impoundments at Facility: Not reported
 Year of record for above average: Not reported
 Avg Effluent for all Impoundments at facility: Not reported
 Year of Record for above Average: Not reported
 Bottom of Liner: Not reported
 If Liner Type ?? Above, Thickness (inches): Not reported
 Description of Liner Type If ?? Above: Not reported
 If Agricultural Impoundment, Type of Livestock: Not reported
 If Agricultural Impoundment, Average Daily # Livestock: Not reported
 Number of Monitoring Wells: Not reported
 Frequency Of Groundwater Samplings: Not reported
 Seepage Affected Dmk Water Wells Within 1 Mile: Not reported
 Explanation Of GW Sampling if Other: Not reported
 GW Quality Changes Detected: Not reported
 Dun & Bradst # Identifying Facility Type 2: Not reported
 Dun & Bradst # Identifying Operator Business 2: Not reported
 SIC Code 2: Not reported
 Site Features: Not reported

MAP FINDINGS

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

ELGIN SANITARY DISTRICT (Continued)

S105250528

F21 STATE & WALNUT QUIK MART
 NNE 300 SOUTH STATE ST.
 1/2-1 ELGIN, IL 60120
 3229 ft.

LUST S104523023
 N/A

Site 1 of 2 in cluster F

Relative: Higher	LUST:		
	Incident Num :		941864
	IL EPA Id :		0314385464
Actual: 770 ft.	IEMA Date :		08/17/1994
	Attn :		William Lussow
	PRP Name :		State Walnut Quik Mart
	PRP Address :		301 East Central Rd. Arlington Heights, IL 60005
	PRP Phone :		Not reported
	Non LUST Determination Letter :		//
	NFA/NFR Letter :		//
	Site Classification :		Not reported
	Project Manager :		NOT ASSIGNED
	Project Manager Phone:		Not reported
	Email :		Not reported
	Section 57.59(g) :		732
	Section 57.59(g) Letter :		//
	Product - Gasoline:		False
	Product - Unleaded Gas:		False
	Product - Diesel:		False
	Product - Fuel Oil:		True
	Product - Jet Fuel:		False
	Product - Used Oil:		False
	Product - Non Petro:		False
	Product - Other Petro:		False
	20 Report Received :		//
	45 Report Received :		//
	NFR Date Recorded :		//

22 AIP PROD.
 South 2051 NORTH LA FOX
 1/2-1 SOUTH ELGIN, IL 60177
 3282 ft.

LUST S104522836
 N/A

Relative: Lower	LUST:		
	Incident Num :		942621
	IL EPA Id :		0890805030
Actual: 720 ft.	IEMA Date :		11/18/1994
	Attn :		Peter Occhipinti
	PRP Name :		AIP Prod.
	PRP Address :		2051 North La Fox South Elgin, IL 60177
	PRP Phone :		Not reported
	Non LUST Determination Letter :		//
	NFA/NFR Letter :		07/09/2003
	Site Classification :		HIGH
	Project Manager :		Putrich
	Project Manager Phone:		(217) 524-4827
	Email :		Steve.Putrich@epa.state.il.us
	Section 57.59(g) :		732
	Section 57.59(g) Letter :		//

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AIP PROD. (Continued)

S104522836

Product - Gasoline: True
Product - Unleaded Gas: False
Product - Deisel: False
Product - Fuel Oil: False
Product - Jet Fuel: False
Product - Used Oil: False
Product - Non Petro: False
Product - Other Petro: False
20 Report Received : 02/16/1995
45 Report Received : 06/22/1995
NFR Date Recorded : / /

F23
NNE
1/2-1
3331 ft.

PIT SHOP THE
268 S STATE ST
ELGIN, IL 60123

RCRIS-LQG 1000978937
FINDS IL0000917187
LUST

Site 2 of 2 in cluster F

Relative:
Higher

RCRIS:

Actual:
772 ft.

Owner: PIT SHOP THE
(708) 697-5591
EPA ID: IL0000917187

Contact: EARL COLLINS
(708) 697-5591

Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

LUST:

Incident Num : 942766
IL EPA Id : 0894385475
IEMA Date : 12/08/1994
Attn : Earl Collins
PRP Name : Pit Stop
PRP Address : 268 South State St.
Elgin, IL 60123
PRP Phone : Not reported
Non LUST Determination Letter : / /
NFA/NFR Letter : / /
Site Classification : Not reported
Project Manager : Donnelly
Project Manager Phone: (217) 557-8764
Email : Jason.Donnelly@epa.state.il.us
Section 57.59(g) : 732
Section 57.59(g) Letter : / /
Product - Gasoline: True
Product - Unleaded Gas: False
Product - Deisel: False
Product - Fuel Oil: False
Product - Jet Fuel: False
Product - Used Oil: False
Product - Non Petro: False
Product - Other Petro: True

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

Database(s) EDR ID Number
 EPA ID Number

PIT SHOP THE (Continued)

1000978937

20 Report Received : 08/29/2003
 45 Report Received : 10/10/2003
 NFR Date Recorded : / /

24 LEWA CO.
 NNE 5 WEST WALNUT AVE.
 1/2-1 ELGIN, IL 60123
 3610 ft.

LUST S103692121
 N/A

Relative:
 Lower

LUST:

Incident Num : 932527
 IL EPA Id : 0894385446
 IEMA Date : 09/21/1993
 Attn : Bernie Schebler
 PRP Name : Lewa Co.
 PRP Address : 8101 East Prentice St., Suite 815
 Inglewood, CO 80111
 PRP Phone : Not reported
 Non LUST Determination Letter : / /
 NFA/NFR Letter : 05/18/1999
 Site Classification : Not reported
 Project Manager : Putrich
 Project Manager Phone: (217) 524-4827
 Email : Steve.Putrich@epa.state.il.us
 Section 57.59(g) : 732
 Section 57.59(g) Letter : / /
 Product - Gasoline: False
 Product - Unleaded Gas: False
 Product - Deisel: False
 Product - Fuel Oil: True
 Product - Jet Fuel: False
 Product - Used Oil: False
 Product - Non Petro: False
 Product - Other Petro: False
 20 Report Received : 10/15/1993
 45 Report Received : 06/10/1994
 NFR Date Recorded : 09/13/1999

25 ELGIN SANITARY DISTRICT
 ESE KANE (County), IL
 1/2-1
 3632 ft.

IMPDMENT S105250529
 N/A

Relative:
 Lower

SIA:

County FIPS Code: 089
 FIPS Place Code (City/Town): 23074
 Type of Impoundment Facility: MUNICIPAL
 # of impoundments at Site: 002
 IEPA ID: 0
 NPDES Permit #: IL0028657
 SIC Code : 4952
 Lat/Lon: 420100 / 0881630
 Date Facility Id'd & inventoried: 41879
 Land owner street address: P O BOX 92
 ELGIN, IL 60120
 Operator of impoundment: Not reported
 Operator address: Not reported
 0

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ELGIN SANITARY DISTRICT (Continued)

S105250529

Dun & Bradstreet # Identifying Facility Type :	Not reported
Dun & Bradst # identifying operator's type of business:	Not reported
Unique Record # assigned by S. Schock :	P4656
State Abbreviation:	Not reported
County FIPS Code:	Not reported
Place Code:	0
Type of Impoundment Facility 2:	Not reported
SIA Number:	Not reported
Unique impoundment Number :	Not reported
Purpose For Impoundment:	Not reported
Explanation For Above:	Not reported
Age of Impoundment in Years:	Not reported
Impoundment Currently In Use :	Not reported
# of years in Operation if In Use:	Not reported
Last Year of Operation if Not in Use:	Not reported
Surface Area of impoundment (acres):	Not reported
Surface Area of all impoundments (acres):	Not reported
Average Influent (Gal/day) Into Impoundment:	Not reported
Year of Record for above (influent) average:	Not reported
Average Effluent (gal/day) out of impoundment:	Not reported
Year of record for above (effluent) average:	Not reported
Avg Influent For All Impoundments at Facility:	Not reported
Year of record for above average:	Not reported
Avg Effluent for all Impoundments at facility:	Not reported
Year of Record for above Average:	Not reported
Bottom of Liner:	Not reported
If Liner Type ?? Above, Thickness (inches):	Not reported
Description of Liner Type If ?? Above:	Not reported
If Agricultural Impoundment, Type of Livestock:	Not reported
If Agricultural Impoundment, Average Daily # Livestock:	Not reported
Number of Monitoring Wells:	Not reported
Frequency Of Groundwater Samplings:	Not reported
Seepage Affected Drnk Water Wells Within 1 Mile:	Not reported
Explanation Of GW Sampling if Other:	Not reported
GW Quality Changes Detected:	Not reported
Dun & Bradst # Identifying Facility Type 2:	Not reported
Dun & Bradst # Identifying Operator Business 2:	Not reported
SIC Code 2:	Not reported
Site Features:	Not reported

G26 EMRO MARKETING NO 7617
 NW 771 WALNUT AVE
 1/2-1 ELGIN, IL 60123
 3905 ft.

RCRIS-SQG 1000326130
 FINDS ILD984787168
 LUST

Relative:
 Higher
 Site 1 of 2 in cluster G

Actual:
 803 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

EMRO MARKETING NO 7617 (Continued)

1000326130

RCRIS:

Owner: EMRO MARKETING INC
EPA ID: ILD984787168
Contact: GW POOLE
(708) 335-0600

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

LUST:

Incident Num : 900535
IL EPA Id : 0894385137
IEMA Date : 02/26/1990
Attn : R.G. Schumann
PRP Name : Emro Marketing
PRP Address : P.O. Box 162
East Hazel Crest, IL 60429
PRP Phone : Not reported
Non LUST Determination Letter : //
NFA/NFR Letter : //
Site Classification : Not reported
Project Manager : Putrich
Project Manager Phone: (217) 524-4827
Email : Steve.Putrich@epa.state.il.us
Section 57.59(g) : 731
Section 57.59(g) Letter : //
Product - Gasoline: True
Product - Unleaded Gas: False
Product - Deisel: False
Product - Fuel Oil: False
Product - Jet Fuel: False
Product - Used Oil: False
Product - Non Petro: False
Product - Other Petro: False
20 Repon Received : 12/16/1996
45 Report Received : 12/16/1996
NFR Date Recorded : //

Incident Num : 972319
IL EPA Id : 0894385137
IEMA Date : 12/04/1997
Attn : Keith Hughes
PRP Name : Emro Marketing
PRP Address : P.O. Box 162
East Hazel Crest, IL 60429
PRP Phone : 7083350600
Non LUST Determination Letter : //
NFA/NFR Letter : //
Site Classification : HIGH
Project Manager : Putrich
Project Manager Phone: (217) 524-4827

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

Database(s) EDR ID Number
 EPA ID Number

EMRO MARKETING NO 7617 (Continued)

1000326130

Email : Steve.Putrich@epa.state.il.us
 Section 57.59(g) : 732
 Section 57.59(g) Letter : //
 Product - Gasoline: False
 Product - Unleaded Gas: False
 Product - Diesel: False
 Product - Fuel Oil: False
 Product - Jet Fuel: False
 Product - Used Oil: False
 Product - Non Petro: False
 Product - Other Petro: True
 20 Report Received : 12/08/1997
 45 Report Received : 01/14/1998
 NFR Date Recorded : //

Incident Num : 961958
 IL EPA Id : 0894385137
 IEMA Date : 10/22/1996
 Attn : R.G. Schumann
 PRP Name : Emro Marketing
 PRP Address : P.O. Box 162
 East Hazel Crest, IL 60429

PRP Phone : Not reported
 Non LUST Determination Letter : //
 NFA/NFR Letter : //
 Site Classification : HIGH
 Project Manager : Putrich
 Project Manager Phone: (217) 524-4827
 Email : Steve.Putrich@epa.state.il.us
 Section 57.59(g) : 732
 Section 57.59(g) Letter : //
 Product - Gasoline: False
 Product - Unleaded Gas: True
 Product - Diesel: False
 Product - Fuel Oil: False
 Product - Jet Fuel: False
 Product - Used Oil: False
 Product - Non Petro: False
 Product - Other Petro: False
 20 Report Received : 10/28/1996
 45 Report Received : 12/03/1996
 NFR Date Recorded : //

G27 SPEEDWAY SUPERAMERICA
 NW 771 WALNUT
 1/2-1 ELGIN, IL 60123
 3905 ft.

LUST S104530471
 N/A

Relative:
 Higher

Site 2 of 2 in cluster G

Actual:
 803 ft.

LUST:
 Incident Num : 20000360
 IL EPA Id : 0894385137
 IEMA Date : 03/03/2000
 Attn : Dan Strubel
 PRP Name : Speedway SuperAmerica
 PRP Address : Post Office Box 1500
 Springfield, OH 45501
 PRP Phone : 9378643000
 Non LUST Determination Letter : 08/07/2000

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SPEEDWAY SUPERAMERICA (Continued)

S104530471

NFA/NFR Letter : //
 Site Classification : Not reported
 Project Manager : Putrich
 Project Manager Phone: (217) 524-4827
 Email : Steve.Putrich@epa.state.il.us
 Section 57.59(g) : 732
 Section 57.59(g) Letter : //
 Product - Gasoline: True
 Product - Unleaded Gas: False
 Product - Deisel: False
 Product - Fuel Oil: False
 Product - Jet Fuel: False
 Product - Used Oil: False
 Product - Non Petro: False
 Product - Other Petro: False
 20 Report Received : //
 45 Report Received : //
 NFR Date Recorded : //

28
 NE
 1/2-1
 3931 ft.

ELGIN AMERICAN GAS COMPANY
 32 NATIONAL STREET
 ELGIN, IL 60120

SRP S106029753
 N/A

Relative:
 Lower
 Actual:
 711 ft.

SRP:
 IL EPA Id : 0894385531
 US EPA id : Not reported
 Sec. 4 Letter Date : Not reported
 Lat/Long : -88 / 42
 Lat/Long Degrees: 42° 01.764' " / 88° 16.806' "
 Site Type : Manufactured Gas Plant

29
 SSW
 1/2-1
 3938 ft.

CENTRAL BLACKTOP CO.
 RT. 31
 SOUTH ELGIN, IL 60177

LUST S103294331
 N/A

Relative:
 Lower
 Actual:
 710 ft.

LUST:
 Incident Num : 912099
 IL EPA Id : 0890805023
 IEMA Date : 07/31/1991
 Attn : Joseph Benson
 PRP Name : Central Blacktop Co.
 PRP Address : P.O. Box 2080
 La Grange, IL 60525
 PRP Phone : Not reported
 Non LUST Determination Letter : //
 NFA/NFR Letter : 09/04/1997
 Site Classification : Not reported
 Project Manager : Putrich
 Project Manager Phone: (217) 524-4827
 Email : Steve.Putrich@epa.state.il.us
 Section 57.59(g) : 731
 Section 57.59(g) Letter : //
 Product - Gasoline: False
 Product - Unleaded Gas: False
 Product - Deisel: True
 Product - Fuel Oil: False

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CENTRAL BLACKTOP CO. (Continued)

S103294331

Product - Jet Fuel: False
 Product - Used Oil: True
 Product - Non Petro: False
 Product - Other Petro: False
 20 Report Received : //
 45 Report Received : //
 NFR Date Recorded : 04/03/1998

30
 ESE
 > 1
 5540 ft.

DSM DESOTECH INC
 1122 ST CHARLES ROAD
 ELGIN, IL 60120

RCRIS-LOG 1000343059
 FINDS 60120DSTNC11
 TRIS
 RAATS
 CORRACTS
 CERC-NFRAP
 FTTS INSP

Relative:
 Lower

Actual:
 711 ft.

CERCLIS-NFRAP Classification Data:
 Site Incident Category: Not reported
 Non NPL Code: DR
 Ownership Status: Unknown
CERCLIS-NFRAP Assessment History:
 Assessment: DISCOVERY
 Assessment: PRELIMINARY ASSESSMENT
 Assessment: ARCHIVE SITE
CERCLIS-NFRAP Alias Name(s):
 DESOTO INC

Federal Facility: Not a Federal Facility
 NPL Status: Not on the NPL
 Completed: 09/03/1992
 Completed: 02/18/1993
 Completed: 12/01/1995

CORRACTS Data:

EPA Id: ILD058587759
 Region: 5
 Area Name: ENTIRE FACILITY
 Actual Date: 03/31/1993
 Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
 2002 NAICS Title: Plastics Material and Resin Manufacturing
 Paint and Coating Manufacturing

FTTS:

Case Number: Not reported
 Docket Number: TSCA-V-C-029-94
 Complaint Issued: 6/20/1994
 Complaint Closed: Not reported
 Abatement Amount: 0.00
 Proposed Penalty: 17000.00
 Final Assessment: 14450.00
 Final Order Date: 9/20/1994
 Close Date: Not reported
 Flag: FTTS
 Facility Name: DSM DESOTECH INC
 Facility Address: 1122 ST CHARLES ST
 ELGIN, IL 60120
 Violation: Section 8(B) Inventory Update

FTTS Insp:

Region: 05
 Inspected Date: 12/28/1993 0:00:00
 Insp Number: 199312285904 4
 Violation occurred: No
 Inspector: CODINA

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Investigation Type: Section 5 Inspections
Facility Function: Manufacturer
Investig Reason: Not reported
Legislation Code: TSCA

Region: 05
Inspected Date: 12/28/1993 0:00:00
Insp Number: 199312285904 -1
Violation occurred: Yes
Inspector: CODINA
Investigation Type: Section 5 (E) of (F) Order
Facility Function: Manufacturer
Investig Reason: Not reported
Legislation Code: TSCA

RCRIS Corrective Action Summary:

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.
Event Date: 03/31/1993

RCRIS:

Owner: DESOTO INC
(312) 391-9000
EPA ID: ILD058587759
Contact: FRITZ EPPERLY
(708) 697-0400

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	291002.89	D002	42435.04
D003	1008.03	D011	40.00
F002	12400.42	F003	293961.99
F005	26064.89	U223	160.01

Violation Status: Violations exist

Regulation Violated: 722.141(a)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 06/03/1998
Actual Date Achieved Compliance: 08/13/1998

Enforcement Action: VIOLATION NOTICE (VN)
Enforcement Action Date: 08/16/1998
Penalty Type: Not reported

Regulation Violated: 725.243
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 12/07/1992
Actual Date Achieved Compliance: 08/24/1993

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/21/1993
Penalty Type: Not reported

Regulation Violated: 725.242(b)
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 12/07/1992

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Actual Date Achieved Compliance: 08/24/1993
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/21/1993
Penalty Type: Not reported

Regulation Violated: 724.152(d)
Area of Violation: TSD-CONTINGENCY PLAN REQUIREMENTS
Date Violation Determined: 11/12/1991
Actual Date Achieved Compliance: 04/13/1992

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 05/30/1986
Penalty Type: Final Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/30/1992
Penalty Type: Final Monetary Penalty

Regulation Violated: 724.152(e)
Area of Violation: TSD-CONTINGENCY PLAN REQUIREMENTS
Date Violation Determined: 11/12/1991
Actual Date Achieved Compliance: 04/14/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/30/1992
Penalty Type: Not reported

Regulation Violated: 724.152(f)
Area of Violation: TSD-CONTINGENCY PLAN REQUIREMENTS
Date Violation Determined: 11/12/1991
Actual Date Achieved Compliance: 04/13/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/30/1992
Penalty Type: Not reported

Regulation Violated: II.F
Area of Violation: TSD-PART B APPLICATION
Date Violation Determined: 11/12/1991
Actual Date Achieved Compliance: 04/20/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/30/1992
Penalty Type: Not reported

Regulation Violated: II.E
Area of Violation: TSD-PART B APPLICATION
Date Violation Determined: 11/12/1991
Actual Date Achieved Compliance: 03/19/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/30/1992
Penalty Type: Not reported

Regulation Violated: I.D.1
Area of Violation: TSD-PART B APPLICATION
Date Violation Determined: 11/12/1991
Actual Date Achieved Compliance: 04/20/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/30/1992
Penalty Type: Not reported

Regulation Violated: II.1.3

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

DSM DESOTECH INC. (Continued)

1000343059

Area of Violation: TSD-PART B APPLICATION
Date Violation Determined: 11/12/1991
Actual Date Achieved Compliance: 04/13/1992
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/30/1992
Penalty Type: Not reported
Regulation Violated: II.J.1
Area of Violation: TSD-PART B APPLICATION
Date Violation Determined: 11/12/1991
Actual Date Achieved Compliance: 03/19/1992
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/30/1992
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 03/29/1989
Actual Date Achieved Compliance: 05/05/1989
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/11/1988
Penalty Type: Not reported
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/05/1989
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 09/14/1987
Actual Date Achieved Compliance: 03/10/1988
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/11/1988
Penalty Type: Not reported
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/05/1989
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-LAND BAN REQUIREMENTS
Date Violation Determined: 09/14/1987
Actual Date Achieved Compliance: 03/10/1988
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/11/1988
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-PREPAREDNESS/PREVENTION REQUIREMENTS
Date Violation Determined: 10/09/1985
Actual Date Achieved Compliance: 11/23/1986
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 05/30/1986
Penalty Type: Final Monetary Penalty
Regulation Violated: Not reported
Area of Violation: TSD-PART B APPLICATION
Date Violation Determined: 10/09/1985

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

Database(s) EDR ID Number
 EPA ID Number

DSM DESOTECH INC (Continued)

1000343059

Actual Date Achieved Compliance: 11/23/1986
 Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
 Enforcement Action Date: 05/30/1986
 Penalty Type: Final Monetary Penalty
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 01/30/1992
 Penalty Type: Final Monetary Penalty

There are 16 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19980813
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19930824
	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19930824
Compliance Evaluation Inspection	TSD-CONTINGENCY PLAN REQUIREMENTS	19920413
	TSD-CONTINGENCY PLAN REQUIREMENTS	19920414
	TSD-CONTINGENCY PLAN REQUIREMENTS	19920413
	TSD-PART B APPLICATION	19920420
	TSD-PART B APPLICATION	19920319
	TSD-PART B APPLICATION	19920420
	TSD-PART B APPLICATION	19920413
	TSD-PART B APPLICATION	19920319
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19890505
Non-Financial Record Review	GENERATOR-LAND BAN REQUIREMENTS	19880310
	TSD-LAND BAN REQUIREMENTS	19880310
Non-Financial Record Review	TSD-PREPAREDNESS/PREVENTION REQUIREMENTS	19861123
	TSD-PART B APPLICATION	19861123

FINDS:

- Other Pertinent Environmental Activity Identified at Site:
- AIRS/AIRS Facility Subsystem (AIRS/AFS)
 - Biennial Reporting System (BRS)
 - Integrated Compliance Information System (ICIS)
 - National Compliance Database (NCDB)
 - National Emissions Inventory (NEI)
 - National Emissions Trends (NET)
 - National Toxics Inventory (NTI)
 - Permit Compliance System (PCS)
 - Resource Conservation and Recovery Act Information system (RCRAINFO)
 - Toxic Chemical Release Inventory System (TRIS)

31
 ESE
 > 1
 5894 ft.

DSM DESOTO, INC.

ELGIN, IL

CAT S102274282
 SRP N/A
 Inst Control

Relative:
 Lower

Actual:
 715 ft.

IL INSTITUTIONAL CONTROL:

Illinois Epa Id : 0894380007
 NFR Letter : 08/20/1998
 Date NFR Recorded : 09/17/1998
 Type Of Site : Residential
 Comprehensive / Focused : Focused
 Remediation Applicant : Ms. Jill Ryan
 RA Company : DSM Desotech, Inc.
 RA Address : 1122 St. Charles Street
 RA Secondary Address : Not reported
 Elgin, IL, 60120
 Institutional Controls : Groundwater use restriction

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

DSM DESOTO, INC. (Continued)

S102274282

Engineered Barriers : Not reported
Worker Caution : False
Acres : 0.04800
Name Site : DSM Desotech
ORD : Not reported
Effective : T

Illinois Epa Id : 0894380007
NFR Letter : 02/03/2000
Date NFR Recorded : 03/20/2000
Type Of Site : Residential
Comprehensive / Focused : Comprehensive
Remediation Applicant : Ms. Jill Ryan
RA Company : DSM Desotech, Inc.
RA Address : 1122 St. Charles Street
RA Secondary Address : Not reported
Elgin, IL, 60120

Institutional Controls : Groundwater use restriction
Engineered Barriers : Not reported
Worker Caution : False
Acres : 13.00000
Name Site : DSM Desotech, Inc.
ORD : Not reported
Effective : T

CAT:

Facility ID: Not reported
Facility Type: SITE REMEDIATION PROGRAM

SRP:

IL EPA Id : 0894380007
US EPA Id : ILD058587759
Sec. 4 Letter Date : Not reported
Lat/Long : -88 / 42
Lat/Long Degrees: 42° 00.704' " / 88° 16.205' "
Site Type : Paint Manufacturer

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BOYNTON BEACH	1000701041	SAFETY KLEEN CORP 3-087-01	QUANTUM IND PARK 46B	60123	RCRIS-LOG, RCRIS-TSD, FINDS, CONTRACTS
ELGIN	1006807357	AUTOMOTIVE SPECIALTIES OF KANE COUNTY	289 W 207 HIGHLAND AVE UNIT C	60123	RCRIS-SQG, FINDS
ELGIN	1005676583	VULCAN CONSTRUCTION MATERIALS ELGIN #51	9 N 419 ROUTE 25	60123	FINDS
ELGIN	1006816859	VICTORY LITHOGRAPH INC	39 W 433 HIGHLAND	60123	RCRIS-SQG, FINDS
ELGIN	1004694843	PLATO AUTO BODY	11 N 435 MUIRHEAD RD	60123	RCRIS-SQG, FINDS
ELGIN	1004693856	ARIANS AUTO BODY	38 W 904 RTE 20	60120	LUST
ELGIN	S104523334	WASTE MANAGEMENT WEST	7 NORTH 904 RT. 25	60123	FINDS, FTTS INSP
ELGIN	1004471367	COMMONWEALTH EDISON	10N859 AIRLITE	60123	RCRIS-SQG, FINDS
ELGIN	1004695076	DAILY HERALD	440 H AIRPORT RD	60123	ERNS
ELGIN	94390362	BETWEEN ST CHARLES AND ELGIN/RT 25	BETWEEN ST CHARLES AND ELGIN/RT 25	60123	FINDS, FTTS INSP
ELGIN	1004471555	ELGIN SEVENTH OAY ADVENTIST	1141 BODE RD	60123	RCRIS-SQG, FINDS
ELGIN	1004696561	MOTOROLA DIST & SERV CENTER	2200 CALVIN DR	60120	LUST
ELGIN	S103592141	VENDOSKY OIL CO.	1455 EFFINGHAM LN.	60120	ERNS
ELGIN	673780	IN FRONT OF ELGIN STATE BANK ON GROVE ST TRANSFORMER IS LOCA	IN FRONT OF ELGIN STATE BANK ON GROVE ST TRANSFORMER IS LOCA	60123	RCRIS-SQG, FINDS
ELGIN	1004696045	TOWNSHIP OF ELGIN	270 FULTON ST	60123	RCRIS-SQG, FINDS
ELGIN	1001485164	ELGIN MOLDED PLASTICS	808 GRACE	60123	FINDS
ELGIN	1005568113	FOX RIVER BUSINESS CENTER	HIGH POINT DRIVE	60123	FINDS
ELGIN	1005835218	ELGIN AGGREGATES	MCLEAN BLVD & RTE 20	60123	FINDS
ELGIN	S106056403	INTER-CONTINENTAL REAL ESTATE	960 MCLEAN BOULEVARD	60123	LUST
ELGIN	S106056230	ILLINOIS STATE TOLL HWY. AUTHORITY	I-90, N.W. TOLLWAY, RT. 31 E/B ON R	60123	LUST
ELGIN	S105736076	EAGLES CLUB	1699 NACHEZ TRACE DRIVE	60123	SRP
ELGIN	S106056231	ELGIN, CITY OF	1100 OAK WOOD BLVD., LORDS PARK PAV	60120	LUST
ELGIN	1005932007	SAFETY-KLEEN - ELGIN	ONE BRINCKMAN WAY	60123	TSCA
ELGIN	S104529009	WILLOW LAKE ESTATES	280 PARK LN.	60123	LUST
ELGIN	1006938441	CAPSONIC GROUP INC	460 S SECOND ST	60123	FTTS INSP
ELGIN	1004696604	SPARTAN MEADOWS GOLF COURSE	SPARTAN DR	60123	RCRIS-SQG, FINDS
ELGIN	69116515	STARTED AT 1091 DAVIS RD. ENDED AT 350. 2ND ST, ELGIN IL	STARTED AT 1091 DAVIS RD. ENDED AT 350. 2ND ST, ELGIN IL	60123	ERNS
ELGIN	1005416062	ROHM & HAAS MIDWEST TECH CTR	2531 TECHNOLOGY DR	60123	RCRIS-LOG, FINDS
ELGIN	1005429333	FIRST PRIORITY, INC	1565 TODD FARM DRIVE	60123	SSTS
ELGIN	1004695408	ILLINOIS TOLLWAY AUTHORITY	TOLL PLAZA 9 190 MP25	60123	RCRIS-SQG, FINDS
ELGIN	1005431099	HYDROX LABORATORIES	625 B TOLLGATE RD	60123	SSTS
ELGIN	1001407554	ALPHA METALS	580 A TOLLGATE RD B	60123	RCRIS-LOG, FINDS
ELGIN	1005425874	CALYPSO POOL SUPPLY, INC	36 TYLER CREEK PLAZA	60123	SSTS
ELGIN	1004696608	WING PARK MAINT BLDG	WING ST	60123	RCRIS-SQG, FINDS
PORT CHARLOTTE	1000696424	SAFETY KLEEN CORP 3-163-02	19200 PEACHLAND BLVD	60123	RCRIS-LOG, RCRIS-TSD, FINDS, CONTRACTS
SOUTH ELGIN	S105257745	WOODLAND RDF LANDSCAPE WASTE TRANSF	AREA 4 OF WOODLAND II, 7 N. 500 ROU	60177	SWFALF

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D011	SILVER
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
U223	BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)

EPA Waste Codes Addendum

Code	Description
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U223	TOLUENE DIISOCYANATE (R,T)
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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

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

Date of Government Version: 10/21/03

Date Made Active at EDR: 12/08/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/03/03

Elapsed ASTM days: 35

Date of Last EDR Contact: 11/03/03

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 10/14/03

Date Made Active at EDR: 12/08/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/01/03

Elapsed ASTM days: 7

Date of Last EDR Contact: 11/03/03

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

Source: EPA

Telephone: 703-413-0223

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

Date of Government Version: 11/17/03

Date Made Active at EDR: 02/02/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/22/03

Elapsed ASTM days: 42

Date of Last EDR Contact: 12/22/03

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/03
Date Made Active at EDR: 02/02/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/22/03
Elapsed ASTM days: 42
Date of Last EDR Contact: 12/22/03

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/18/03
Date Made Active at EDR: 02/02/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/26/03
Elapsed ASTM days: 38
Date of Last EDR Contact: 12/08/03

RCRIS: Resource Conservation and Recovery Information System

Source: EPA
Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/10/03
Date Made Active at EDR: 01/16/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 12/12/03
Elapsed ASTM days: 35
Date of Last EDR Contact: 01/19/04

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342

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

Date of Government Version: 12/31/02
Date Made Active at EDR: 02/03/03
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/03
Elapsed ASTM days: 7
Date of Last EDR Contact: 10/27/03

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 12/16/03
Date of Next Scheduled EDR Contact: 03/15/04

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices
Telephone: Varies

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

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

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

Date of Government Version: 07/09/03

Database Release Frequency: Annually

Date of Last EDR Contact: 01/06/04

Date of Next Scheduled EDR Contact: 04/05/04

DELISTED NPL: National Priority List Deletions

Source: EPA

Telephone: N/A

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

Date of Government Version: 10/21/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/03/03

Date of Next Scheduled EDR Contact: 02/02/04

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04

Date of Next Scheduled EDR Contact: 04/05/04

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4555

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

Date of Government Version: 08/11/03

Database Release Frequency: Annually

Date of Last EDR Contact: 01/19/04

Date of Next Scheduled EDR Contact: 04/19/04

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

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

Date of Government Version: 10/16/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04

Date of Next Scheduled EDR Contact: 04/05/04

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 11/25/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/29/03

Date of Next Scheduled EDR Contact: 03/29/04

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens: Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/21/03
Date of Next Scheduled EDR Contact: 02/23/04

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/30/03
Database Release Frequency: Annually

Date of Last EDR Contact: 11/12/03
Date of Next Scheduled EDR Contact: 02/09/04

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-648-5920

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

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/12/03
Date of Next Scheduled EDR Contact: 02/09/04

STORMWATER: Storm Water General Permits

Source: Environmental Protection Agency
Telephone: 202 564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/15/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/17/03
Date of Next Scheduled EDR Contact: 03/15/04

RMP: Risk Management Plans

Source: Environmental Protection Agency
Telephone: 202-564-8600

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: N/A

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

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

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/08/03
Date of Next Scheduled EDR Contact: 03/08/04

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-566-0250

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

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 12/22/03
Date of Next Scheduled EDR Contact: 03/22/04

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

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

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 12/08/03
Date of Next Scheduled EDR Contact: 03/08/04

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

Source: EPA
Telephone: 202-564-2501

Date of Government Version: 10/16/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/22/03
Date of Next Scheduled EDR Contact: 03/22/04

SSTS: Section 7 Tracking Systems

Source: EPA
Telephone: 202-564-5008

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

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 01/19/04
Date of Next Scheduled EDR Contact: 04/19/04

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/16/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/22/03
Date of Next Scheduled EDR Contact: 03/22/04

STATE OF ILLINOIS ASTM STANDARD RECORDS

SHWS: State Oversight List

Source: Illinois Environmental Protection Agency
Telephone: 217-524-4863

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 12/16/03
Date Made Active at EDR: 01/13/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/22/03
Elapsed ASTM days: 22
Date of Last EDR Contact: 11/24/03

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

Source: Illinois Environmental Protection Agency
Telephone: 217-785-8604

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

Date of Government Version: 10/01/03
Date Made Active at EDR: 01/20/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 12/16/03
Elapsed ASTM days: 35
Date of Last EDR Contact: 11/24/03

LUST: Leaking Underground Storage Tank Sites

Source: Illinois Environmental Protection Agency
Telephone: 217-782-6760

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

Date of Government Version: 11/24/03
Date Made Active at EDR: 12/24/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/24/03
Elapsed ASTM days: 30
Date of Last EDR Contact: 11/24/03

UST: Underground Storage Tank Facility List

Source: Illinois State Fire Marshal
Telephone: 217-785-0969

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

Date of Government Version: 12/09/03
Date Made Active at EDR: 01/06/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/23/03
Elapsed ASTM days: 14
Date of Last EDR Contact: 11/24/03

SRP: Site Remediation Program Database

Source: Illinois Environmental Protection Agency
Telephone: 217-785-9407

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

Date of Government Version: 10/31/03
Date Made Active at EDR: 12/04/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/11/03
Elapsed ASTM days: 23
Date of Last EDR Contact: 11/17/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IMPDMENT: Surface Impoundment Inventory

Source: Illinois Waste Management & Research Center
Telephone: 217-333-8940

Statewide inventory of industrial, municipal, mining, oil & gas, and large agricultural impoundment. This study was conducted by the Illinois EPA to assess potential for contamination of shallow aquifers. This was a one-time study. Although many of the impoundments may no longer be present, the sites may be contaminated.

Date of Government Version: 12/31/80
Date Made Active at EDR: 06/03/02
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 03/08/02
Elapsed ASTM days: 87
Date of Last EDR Contact: 02/20/02

CAT: Category List

Source: Illinois EPA
Telephone: N/A

Sites on this list are: Notice of Response Action, NPL, Pre/proposed NPL, Completed Remedial Action, Site Remediation Program, Federal Facilities, and Cleanup Started and/or Completed Sites.

Date of Government Version: 06/01/97
Date Made Active at EDR: 08/14/97
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/07/97
Elapsed ASTM days: 38
Date of Last EDR Contact: 02/26/01

STATE OF ILLINOIS ASTM SUPPLEMENTAL RECORDS

IL NIPC: Solid Waste Landfill Inventory

Source: Northeastern Illinois Planning Commission
Telephone: 312-454-0400

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

Date of Government Version: 08/01/88
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/11/97
Date of Next Scheduled EDR Contact: N/A

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

BROWNFIELDS DATABASES

Inst Control: Institutional Controls

Source: Illinois Environmental Protection Agency
Telephone: 217-782-6761

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/16/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/17/03
Date of Next Scheduled EDR Contact: 02/16/04

SRP: Site Remediation Program Database
Source: Illinois Environmental Protection Agency
Telephone: 217-785-9407

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

Date of Government Version: 10/31/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/17/03
Date of Next Scheduled EDR Contact: 02/16/04

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Homes & Centers Listing

Source: Department of Children & Family Services

Telephone: 312-814-4150

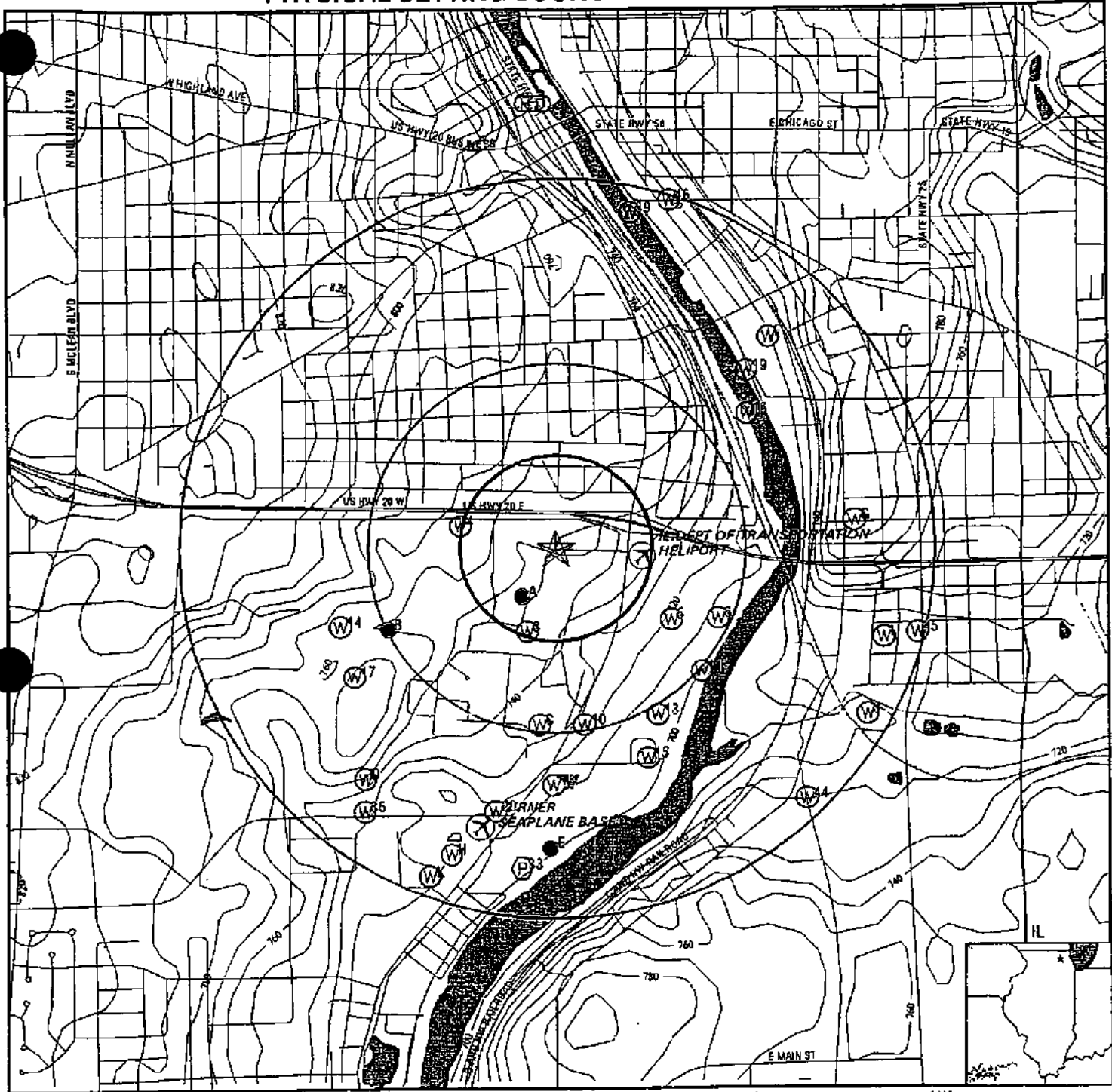
Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

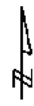
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PHYSICAL SETTING SOURCE MAP - 1121598.4s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data



TARGET PROPERTY: Elgin Mental Health Center
ADDRESS: SW of IL Route 31/US Rt. 20
CITY/STATE/ZIP: Elgin IL 60123
LAT/LONG: 42.0209 / 88.2872

CUSTOMER: Terracon, Inc.
CONTACT: Beth
INQUIRY #: 1121598.4s
DATE: February 02, 2004 2:07 pm

GEOCHECK® PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ELGIN MENTAL HEALTH CENTER
SW OF IL ROUTE 31/US RT. 20
ELGIN, IL 60123

TARGET PROPERTY COORDINATES

Latitude (North):	42.020901 - 42° 1' 15.2"
Longitude (West):	88.287201 - 88° 17' 13.9"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	393428.2
UTM Y (Meters):	4652684.5
Elevation:	750 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

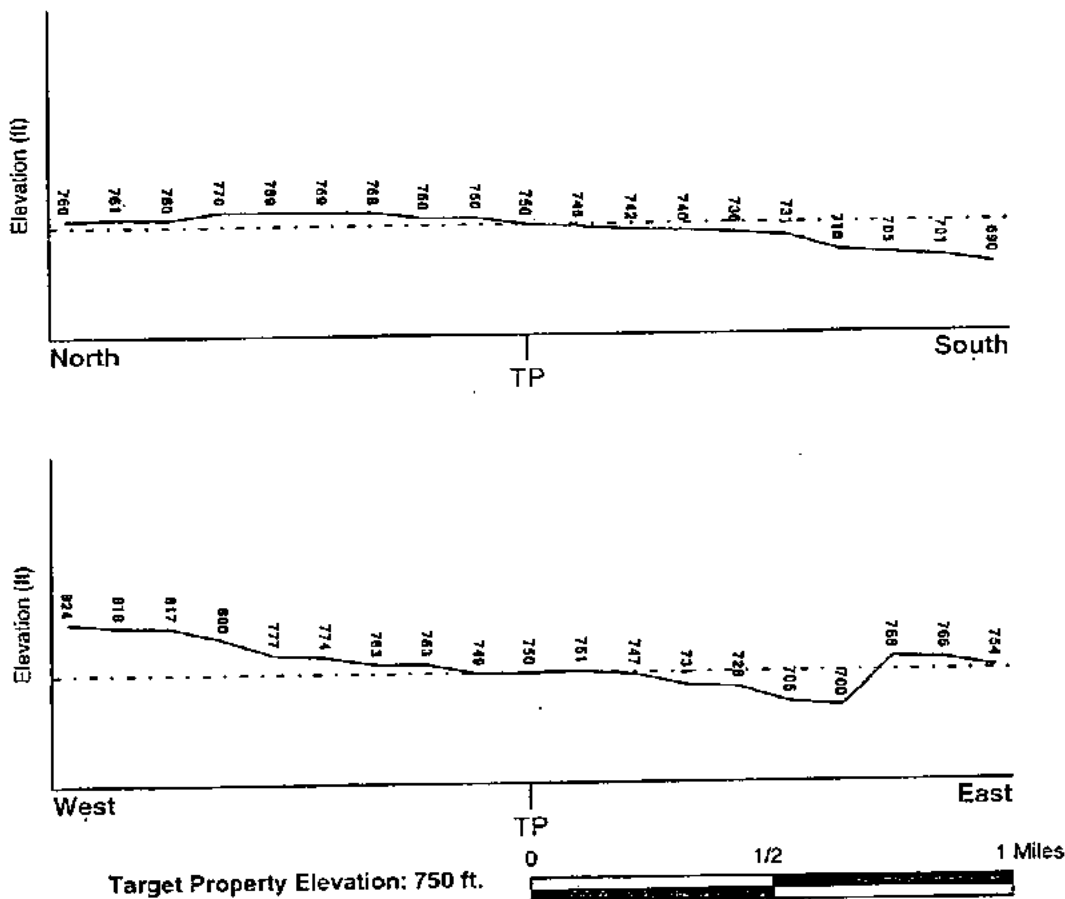
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 4208B-A3 ELGIN, IL
General Topographic Gradient: General SE
Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> KANE, IL	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	1700870007D
Additional Panels in search area:	1700870006D 1700870010E 1700870009C 1708960030A 1703320002C

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> ELGIN	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1 - 2 Miles North
Site Name:	Woodruff & Edwards
Site EPA ID Number:	ILD005071410
Groundwater Flow Direction:	S AND E INTO THE FOX RIVER.
Inferred Depth to Water:	15 feet to 60 feet.
Hydraulic Connection:	A shale layer separates the upper and lower aquifers.
Sole Source Aquifer:	A sole source aquifer is present at or near the site
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Silurian
Series:	Middle Silurian (Niagoaran)
Code:	S2 (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	FOX
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.
Hydric Status:	Soil does not meet the requirements for a hydric soil.
Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.10
2	11 inches	22 inches	silty clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.10
3	22 inches	34 inches	clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 8.40 Min: 5.10
4	34 inches	60 inches	sand and gravel	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 7.40

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
gravelly - loam
loamy sand
muck

Surficial Soil Types: loam
gravelly - loam
loamy sand
muck

Shallow Soil Types: loamy sand
silt loam

Deeper Soil Types: stratified
gravelly - sand
muck
gravelly - loamy sand
sand

GEOCHECK® PHYSICAL SETTING SOURCE SUMMARY

sandy loam

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	USGS0253322	1/8 - 1/4 Mile SSW
B7	USGS0253321	1/4 - 1/2 Mile WSW
E30	USGS0253347	1/2 - 1 Mile South
45	USGS0253320	1/2 - 1 Mile ESE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
33	IL0890800	1/2 - 1 Mile South

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	GIL00060822	1/8 - 1/4 Mile SW
3	P41319	1/8 - 1/4 Mile SSW
4	P41318	1/4 - 1/2 Mile WNW
5	GIL00063280	1/4 - 1/2 Mile ESE
6	GIL00066404	1/4 - 1/2 Mile ESE
C8	P41341	1/4 - 1/2 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C9	P41342	1/4 - 1/2 Mile South
10	P41338	1/4 - 1/2 Mile South
11	P41325	1/2 - 1 Mile SE
B12	GIL00060823	1/2 - 1 Mile WSW
13	P41326	1/2 - 1 Mile SSE
14	GIL00063643	1/2 - 1 Mile WSW
15	P41334	1/2 - 1 Mile SSE
16	P41323	1/2 - 1 Mile NE
17	P41320	1/2 - 1 Mile WSW
18	GIL00060296	1/2 - 1 Mile South
19	P41324	1/2 - 1 Mile NE
20	P41343	1/2 - 1 Mile SSW
D21	P41347	1/2 - 1 Mile SW
E22	GIL00060309	1/2 - 1 Mile South
E23	GIL00060313	1/2 - 1 Mile South
F24	GIL00060888	1/2 - 1 Mile NE
G25	P41321	1/2 - 1 Mile East
G26	P41322	1/2 - 1 Mile East
F27	GIL00060893	1/2 - 1 Mile NE
F28	GIL00060894	1/2 - 1 Mile NE
D29	GIL00062782	1/2 - 1 Mile SW
E31	P41340	1/2 - 1 Mile South
E32	P41339	1/2 - 1 Mile South
H34	P41345	1/2 - 1 Mile SSW
H35	P41344	1/2 - 1 Mile SSW
36	P41346	1/2 - 1 Mile SW
I37	GIL00060892	1/2 - 1 Mile ESE
I38	GIL00060824	1/2 - 1 Mile ESE
39	P41151	1/2 - 1 Mile NNE
J40	P41331	1/2 - 1 Mile ESE
J41	P41330	1/2 - 1 Mile ESE
K42	P41336	1/2 - 1 Mile SSW
K43	P41335	1/2 - 1 Mile SSW
44	GIL00062273	1/2 - 1 Mile SE
46	GIL00060865	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID		Database	EDR ID Number
Direction			
Distance			
Elevation			

A1		IL WELLS	GIL00060822
SW			
1/8 - 1/4 Mile			
Lower			

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120890078400	Boring:	0
Well Type:	Water Well	Y Coord:	3272932
X Coord:	3327726		

A2		FED USGS	USGS0253322
SSW			
1/8 - 1/4 Mile			
Lower			

Agency:	USGS	Site ID:	420107088172001
Site Name:	41N 8E-23.3b1		
Dec. Latitude:	42.01864		
Dec. Longitude:	-88.28897		
Coord Sys:	NAD83		
State:	IL		
County:	Kane County		
Altitude:	750.00		
Hydrologic code:	07120006		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19320930	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	2000		
Hole depth:	2000	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1932-10-01	45.00	

3		IL WELLS	P41319
SSW			
1/8 - 1/4 Mile			
Lower			

Well ID:	072114	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	ELGIN STATE HOSPITAL		
Permit:	Not Reported	Date Drilled:	00/00/1932
Depth (in feet):	2000	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	23	Plot Location:	3C
Well Use:	Commercial	Well Type:	--
Record Type:	Construction Report,Geology,Chemical Analysis		
Driller:	GERBER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

4
WNW
1/4 - 1/2 Mile
Higher

IL WELLS P41318

Well ID:	072115	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	ELGIN STATE HOSPITAL		
Permit:	Not Reported	Date Drilled:	00/00/1932
Depth (in feet):	1960	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	23	Plot Location:	Not Reported
Well Use:	Commercial	Well Type:	--
Record Type:	Construction Report, Geology		
Driller:	GRAY-MILEAGER DRLG		

5
ESE
1/4 - 1/2 Mile
Lower

IL WELLS GIL00063280

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120892613200	Boring:	0
Well Type:	Water Well	Y Coord:	3272495
X Coord:	3329762		

6
ESE
1/4 - 1/2 Mile
Lower

IL WELLS GIL00066404

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120893034500	Boring:	0
Well Type:	Water Well	Y Coord:	3272520
X Coord:	3330419		

B7
WSW
1/4 - 1/2 Mile
Higher

FED USGS USGS0253321

Agency:	USGS	Site ID:	420104088174301
Site Name:	41N 8E-23.6b1		
Dec. Latitude:	42.0178		
Dec. Longitude:	-88.29536		
Coord Sys:	NAD83		
State:	IL		
County:	Kane County		
Altitude:	755.00		
Hydrologic code:	07120007		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	194707	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer:	Not Reported	Source:	Not Reported
Aquifer type:	Not Reported		
Well depth:	2000		
Hole depth:	2000		
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1947-07-31	191.00	

C8
South
1/4 - 1/2 Mile
Lower IL WELLS P41341

Well ID:	070776	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	SHERMAN MORGAN		
Permit:	Not Reported	Date Drilled:	00/00/1913
Depth (in feet):	17	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	2H
Well Use:	Domestic	Well Type:	--
Record Type:	Geology,Any other type of record		
Driller:	Not Reported		

C9
South
1/4 - 1/2 Mile
Lower IL WELLS P41342

Well ID:	070777	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	SHERMAN MORGAN		
Permit:	Not Reported	Date Drilled:	00/00/1922
Depth (in feet):	85	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	2H
Well Use:	Domestic	Well Type:	--
Record Type:	Geology,Any other type of record		
Driller:	Not Reported		

10
South
1/4 - 1/2 Mile
Lower IL WELLS P41338

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	070775	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	TEST HOLE-RECHARGE PROJECT		
Permit:	Not Reported	Date Drilled:	00/00/0000
Depth (in feet):	Not Reported	Aquifer Type:	---
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	1H
Well Use:	---	Well Type:	---
Record Type:	Chemical Analysis		
Driller:	Not Reported		

11
SE
1/2 - 1 Mile
Lower

IL WELLS P41325

Well ID:	216108	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	ELGIN CONT', LITTLE		
Permit:	0013979	Date Drilled:	09/28/1989
Depth (in feet):	250	Aquifer Type:	Bedrock
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	24	Plot Location:	7B
Well Use:	Domestic	Well Type:	---
Record Type:	Construction Report, Geology		
Driller:	DUPAGE PUMP INC		

B12
WSW
1/2 - 1 Mile
Higher

IL WELLS GIL00060823

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120890078500	Boring:	0
Well Type:	Water Well	Y Coord:	3272284
X Coord:	3325714		

13
SSE
1/2 - 1 Mile
Lower

IL WELLS P41326

Well ID:	070767	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	TEST HOLE -RECHARGE PROJECT		
Permit:	Not Reported	Date Drilled:	00/00/0000
Depth (in feet):	Not Reported	Aquifer Type:	---
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	24	Plot Location:	8A
Well Use:	---	Well Type:	---
Record Type:	Chemical Analysis		
Driller:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

14
WSW
1/2 - 1 Mile
Higher

IL WELLS GIL00063643

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120892693100	Boring:	0
Well Type:	Water Well	Y Coord:	3272346
X Coord:	3325172		

15
SSE
1/2 - 1 Mile
Lower

IL WELLS P41334

Well ID:	070773	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	OTTO RAUSCH-GERHING MFG		
Permit:	Not Reported	Date Drilled:	00/00/0000
Depth (in feet):	50	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	25	Plot Location:	8G
Well Use:	IN	Well Type:	--
Record Type:	Chemical Analysis		
Driller:	Not Reported		

16
NE
1/2 - 1 Mile
Lower

IL WELLS P41323

Well ID:	072122	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	ELGIN WATCH CO		
Permit:	Not Reported	Date Drilled:	00/00/1944
Depth (in feet):	566	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	24	Plot Location:	6G
Well Use:	Commercial	Well Type:	--
Record Type:	Construction Report,Geology,Chemical Analysis		
Driller:	S B GEIGER		

17
WSW
1/2 - 1 Mile
Higher

IL WELLS P41320

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	072118	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	ELGIN STATE HOSPITAL		
Permit:	Not Reported	Date Drilled:	00/00/1947
Depth (in feet):	1290	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	23	Plot Location:	6B
Well Use:	Commercial	Well Type:	--
Record Type:	Construction Report,Geology,Chemical Analysis		
Driller:	LAYNE WESTERN		

18
South
1/2 - 1 Mile
Lower

IL WELLS GIL00060296

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120890019500	Boring:	0
Well Type:	Water Well	Y Coord:	3270123
X Coord:	3328172		

19
NE
1/2 - 1 Mile
Lower

IL WELLS P41324

Well ID:	072120	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	ELGIN WATCH CO		
Permit:	Not Reported	Date Drilled:	00/00/1937
Depth (in feet):	1231	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	24	Plot Location:	6H
Well Use:	Commercial	Well Type:	--
Record Type:	Construction Report,Geology,Chemical Analysis		
Driller:	THORN AND GEINGER		

20
SSW
1/2 - 1 Mile
Lower

IL WELLS P41343

Well ID:	070778	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	E AND E HAELING		
Permit:	Not Reported	Date Drilled:	00/00/0000
Depth (in feet):	22	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	3F
Well Use:	Domestic	Well Type:	--
Record Type:	Affidavit		
Driller:	K AND K		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D21
SW
1/2 - 1 Mile
Higher

IL WELLS P41347

Well ID:	070780	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	KERBER PACKING CO		
Permit:	Not Reported	Date Drilled:	08/12/1963
Depth (in feet):	66	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	5G
Well Use:	IN	Well Type:	--
Record Type:	Chemical Analysis, Any other type of record		
Driller:	LAYNE-WESTERN		

E22
South
1/2 - 1 Mile
Lower

IL WELLS GIL00060309

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120890020800	Boring:	0
Well Type:	Water Well	X Coord:	3328256
X Coord:	3328256	Y Coord:	3269373

E23
South
1/2 - 1 Mile
Lower

IL WELLS GIL00060313

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120890021200	Boring:	0
Well Type:	Water Well	X Coord:	3328407
X Coord:	3328407	Y Coord:	3269353

F24
NE
1/2 - 1 Mile
Lower

IL WELLS GIL00060888

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120890087900	Boring:	0
Well Type:	Water Well	X Coord:	3331018
X Coord:	3331018	Y Coord:	3276524

G25
East
1/2 - 1 Mile
Higher

IL WELLS P41321

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	072119	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	ELGIN WATCH CO		
Permit:	Not Reported	Date Drilled:	00/00/1934
Depth (in feet):	530	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	24	Plot Location:	Not Reported
Well Use:	Commercial	Well Type:	--
Record Type:	Construction Report,Geology		
Driller:	Not Reported		

G26
East
1/2 - 1 Mile
Higher

IL WELLS P41322

Well ID:	072121	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	ELGIN WATCH CO		
Permit:	Not Reported	Date Drilled:	00/00/1938
Depth (in feet):	1222	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	24	Plot Location:	Not Reported
Well Use:	Commercial	Well Type:	--
Record Type:	Construction Report,Geology		
Driller:	THORN AND GEINGER		

F27
NE
1/2 - 1 Mile
Lower

IL WELLS GIL00060893

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120890088400	Boring:	0
Well Type:	Water Well	Y Coord:	3276314
X Coord:	3331306		

F28
NE
1/2 - 1 Mile
Lower

IL WELLS GIL00060894

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120890088500	Boring:	0
Well Type:	Water Well	Y Coord:	3276753
X Coord:	3330919		

D29
SW
1/2 - 1 Mile
Lower

IL WELLS GIL00062782

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120892297400	Boring:	0
Well Type:	Water Well	Y Coord:	3270040
X Coord:	3325548		

E30
South
1/2 - 1 Mile
Lower

FED USGS USGS0253347

Agency:	USGS	Site ID:	420032088171601
Site Name:	41N 8E-26.3e1		
Dec. Latitude:	42.00892		
Dec. Longitude:	-88.28786		
Coord Sys:	NAD83		
State:	IL		
County:	Kane County		
Altitude:	703		
Hydrologic code:	07120007		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110QRNR		
Aquifer type:	Not Reported		
Well depth:	68		
Hole depth:	Not Reported	Source:	other government (other than USGS)
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

E31
South
1/2 - 1 Mile
Lower

IL WELLS P41340

Well ID:	072510	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	KERBER PACKLING CO		
Permit:	Not Reported	Date Drilled:	00/00/1951
Depth (in feet):	38	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	2E
Well Use:	Commercial	Well Type:	--
Record Type:	Construction Report,Geology		
Driller:	Not Reported		

E32
South
1/2 - 1 Mile
Lower

IL WELLS P41339

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	072509	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	KERBER PACKLING CO		
Permit:	Not Reported	Date Drilled:	02/13/1934
Depth (in feet):	50	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	2E
Well Use:	Commercial	Well Type:	--
Record Type:	Construction Report, Geology		
Driller:	Not Reported		

33
South
1/2 - 1 Mile
Lower

FRDS PWS IL0890800

PWS ID:	IL0890800	PWS Status:	Not Reported
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	SOUTH ELGIN SOUTH ELGIN, IL 60177		

Treatment Objective: IRON REMOVAL
Treatment Process: AERATION, SPRAY
Source: Ground water

Addressee / Facility: Not Reported

Facility Latitude:	41 48 25.0000	Facility Longitude:	88 17 20.0000
Facility Latitude:	41 59 28.0000	Facility Longitude:	88 17 15.0000
Facility Latitude:	41 59 29.0000	Facility Longitude:	88 17 15.0000
Facility Latitude:	42 0 30.0000	Facility Longitude:	88 17 20.0000
City Served:	SOUTH ELGIN		
Treatment Class:	Treated	Population:	10500

PWS currently has or had major violation(s) or enforcement: Yes

Violations information not reported.

ENFORCEMENT INFORMATION:

System Name:	SOUTH ELGIN		
Violation Type:	WQP Entry Point Non-Compliance		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	2000-07-01 - 2000-09-30	Analytical Value:	0000000.000000000
Violation ID:	0051913	Enforcement ID:	Not Reported
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

System Name:	SOUTH ELGIN		
Violation Type:	Max Contaminant Level, Average		
Contaminant:	BARIUM		
Compliance Period:	1998-07-01 - 1998-09-30	Analytical Value:	0000002.575000000
Violation ID:	98041926	Enforcement ID:	98073315
Enforcement Date:	1998-08-05 S	Enf. Action:	IA

System Name:	SOUTH ELGIN		
Violation Type:	Max Contaminant Level, Average		
Contaminant:	BARIUM		
Compliance Period:	1998-07-01 - 1998-09-30	Analytical Value:	0000002.575000000
Violation ID:	98041926	Enforcement ID:	98073316
Enforcement Date:	1998-08-05 S	Enf. Action:	IE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

ENFORCEMENT INFORMATION:

System Name:	SOUTH ELGIN		
Violation Type:	Max Contaminant Level, Average		
Contaminant:	BARIUM	Analytical Value:	0000002.675000000
Compliance Period:	1998-07-01 - 1998-09-30	Enforcement ID:	98073316
Violation ID:	98041926	Enf. Action:	State Public Notif Requested
Enforcement Date:	1998-08-05		
System Name:	SOUTH ELGIN		
Violation Type:	Max Contaminant Level, Average		
Contaminant:	BARIUM	Analytical Value:	0000002.675000000
Compliance Period:	1998-07-01 - 1998-09-30	Enforcement ID:	98073315
Violation ID:	99042925	Enf. Action:	State Violation/Reminder Notice
Enforcement Date:	1998-08-05		
System Name:	SOUTH ELGIN		
Violation Type:	Max Contaminant Level, Average		
Contaminant:	BARIUM	Analytical Value:	0000002.675000000
Compliance Period:	1999-01-01 - 1999-03-31	Enforcement ID:	9978684
Violation ID:	9944218	Enf. Action:	State Violation/Reminder Notice
Enforcement Date:	1999-01-01		
System Name:	SOUTH ELGIN		
Violation Type:	Max Contaminant Level, Average		
Contaminant:	BARIUM	Analytical Value:	0000002.675000000
Compliance Period:	1999-01-01 - 1999-03-31	Enforcement ID:	9978685
Violation ID:	9944218	Enf. Action:	State Public Notif Requested
Enforcement Date:	1999-01-01		
System Name:	SOUTH ELGIN		
Violation Type:	Max Contaminant Level, Average		
Contaminant:	BARIUM	Analytical Value:	0000002.675000000
Compliance Period:	1999-01-01 - 1999-03-31	Enforcement ID:	9978686
Violation ID:	9944218	Enf. Action:	State Compliance Achieved
Enforcement Date:	1999-01-21		
System Name:	SOUTH ELGIN		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE	Analytical Value:	0000000.000000000
Compliance Period:	1999-01-01 - 1999-12-31	Enforcement ID:	Not Reported
Violation ID:	9947025	Enf. Action:	Not Reported
Enforcement Date:	Not Reported		
System Name:	SOUTH ELGIN		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE	Analytical Value:	0000000.000000000
Compliance Period:	1999-01-01 - 2015-12-31	Enforcement ID:	Not Reported
Violation ID:	9947025	Enf. Action:	Not Reported
Enforcement Date:	Not Reported		

H34
SSW
1/2 - 1 Mile
Lower

IL WELLS P41345

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	072508	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	KERBER PACKLING CO		
Permit:	Not Reported	Date Drilled:	02/13/1934
Depth (in feet):	32	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	4E
Well Use:	Domestic	Well Type:	--
Record Type:	Construction Report,Geology		
Driller:	Not Reported		

H35
SSW
1/2 - 1 Mile
Lower

IL WELLS P41344

Well ID:	072452	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	A H BURGER		
Permit:	Not Reported	Date Drilled:	00/00/1926
Depth (in feet):	20	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	4E
Well Use:	Domestic	Well Type:	--
Record Type:	Construction Report,Geology		
Driller:	Not Reported		

36
SW
1/2 - 1 Mile
Lower

IL WELLS P41346

Well ID:	070779	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	DON GIÉDRAITIS		
Permit:	M035830	Date Drilled:	03/11/1975
Depth (in feet):	80	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	5F
Well Use:	Domestic	Well Type:	--
Record Type:	Construction Report,Geology		
Driller:	BURGESS		

I37
ESE
1/2 - 1 Mile
Lower

IL WELLS GIL00060892

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120890088300	Boring:	0
Well Type:	Water Well	Y Coord:	3272270
X Coord:	3332726		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I38
ESE
1/2 - 1 Mile
Lower

IL WELLS GIL00050824

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120890078600	Boring:	0
Well Type:	Water Well	Y Coord:	3272270
X Coord:	3332726		

39
NNE
1/2 - 1 Mile
Lower

IL WELLS P41151

Well ID:	072202	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	SCHNEIDER BOWLING ALLEY		
Permit:	Not Reported	Date Drilled:	00/00/1979
Depth (in feet):	Not Reported	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	13	Plot Location:	8C
Well Use:	Commercial	Well Type:	--
Record Type:	Chemical Analysis		
Driller:	Not Reported		

J40
ESE
1/2 - 1 Mile
Lower

IL WELLS P41331

Well ID:	216110	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	WOODLAND LANDFILL		
Permit:	Not Reported	Date Drilled:	12/02/1987
Depth (in feet):	90	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	25	Plot Location:	4H
Well Use:	Commercial	Well Type:	--
Record Type:	Affidavit		
Driller:	MEADOW EQUIPMENT		

J41
ESE
1/2 - 1 Mile
Lower

IL WELLS P41330

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	216109	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	WOODLAND LANDFILL		
Permit:	Not Reported	Date Drilled:	12/02/1987
Depth (in feet):	57	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	25	Plot Location:	4H
Well Use:	Commercial	Well Type:	--
Record Type:	Affidavit		
Driller:	MEADOW EQUIPMENT		

K42
SSW
1/2 - 1 Mile
Lower IL WELLS P41336

Well ID:	072461	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	GEORGE KOCH		
Permit:	Not Reported	Date Drilled:	00/00/1932
Depth (in feet):	50	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	Not Reported
Well Use:	Domestic	Well Type:	--
Record Type:	Construction Report,Geology		
Driller:	Not Reported		

K43
SSW
1/2 - 1 Mile
Lower IL WELLS P41335

Well ID:	072460	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	W JOHANSEN		
Permit:	Not Reported	Date Drilled:	02/08/1934
Depth (in feet):	130	Aquifer Type:	--
County Code:	089	County:	KANE
Township:	41N	Range:	08E
Section:	26	Plot Location:	Not Reported
Well Use:	Domestic	Well Type:	--
Record Type:	Construction Report,Geology		
Driller:	Not Reported		

44
SE
1/2 - 1 Mile
Lower IL WELLS GIL00062273

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120892228800	Boring:	0
Well Type:	Water Well	Y Coord:	3269969
X Coord:	3331690		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

45
 ESE
 1/2 - 1 Mile
 Lower

FED USGS USGS0253320

Agency:	USGS	Site ID:	420103088160701
Site Name:	41N 8E-24.3b1		
Dec. Latitude:	42.01753		
Dec. Longitude:	-88.26869		
Coord Sys:	NAD83		
State:	IL		
County:	Kane County		
Altitude:	718.00		
Hydrologic code:	07120006		
Topographic:	Undulating		
Site Type:	Ground-water other than Spring		
Const Date:	195311	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	1255		
Hole depth:	1255	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1954-03-12	192.00	

46
 NNE
 1/2 - 1 Mile
 Lower

IL WELLS GIL00060865

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120890084900	Boring:	0
Well Type:	Water Well	X Coord:	3278459
X Coord:	3329675	Y Coord:	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: IL Radon

Radon Test Results

Floor	# Sites	Min pCi/L	Avg pCi/L	Max pCi/L	# Sites>4pCi/L	# Sites>20	County
Basement	67	0.6	6.1	34.4	30	1	KANE
1st Floor living area	10	0.9	3.1	6.7	3	0	KANE
1st Floor bedroom	3	1	3.8	6.8	1	0	KANE
Total	70	0.6	6.6	34.4	34	1	KANE

Federal EPA Radon Zone for KANE County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 60123

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.900 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	10.800 pCi/L	0%	100%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

County Well Data in Illinois: Cook and DuPage Counties

Source: Illinois State Geological Survey
Telephone: 217-244-2387

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)

Source: Illinois State Water Survey
Telephone: 217-333-9043

Illinois State Geological Survey Water Wells

Source: Illinois State Geological Survey
Telephone: 217-333-5102

Point data set that shows locations, well type, and well ID for wells in Illinois. Data comes from driller's logs.

RADON

State Database: IL Radon

Source: Department of Nuclear Safety
Telephone: 217-785-9958
County Radon Results

Area Radon Information

Source: USGS
Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

APPENDIX D
Site Photographs

Project Name: Elgin Mental Health Center
Terracon Project #11047718
Project Date: April 9, 2004

Terracon



Photo #1 View to the south of the former Administration Building (#1) area of the site.



Photo #2 Typical view of the E Cottages in the northern portion of the site.

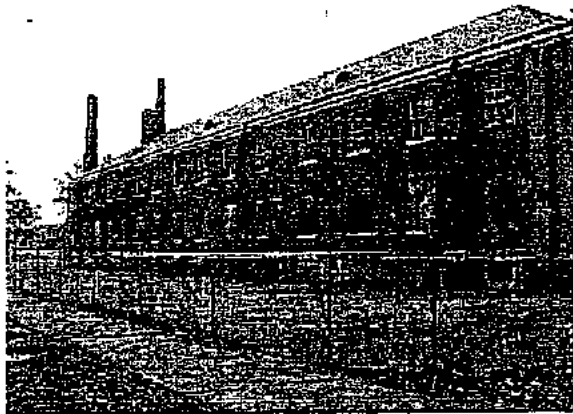


Photo #3 View to the southeast of the Carriel & Ricketts buildings (#63 and #64) at the site.



Photo #4 View to the southeast of the Woods Cottage (#61) in the north-central portion of the site.



Photo #5 View to the north of the connecting building between the Carriel & Ricketts buildings (#63 and #64).



Photo #6 View to the southeast of the New Laundry Building (#109) at the site.

Project Name: Elgin Mental Health Center
Terracon Project #11047718
Project Date: April 9, 2004

Terracon



Photo #7 Typical view area in the northwestern portion of the site where the former staff housing was located.



Photo #8 View to the northeast of the Nurses Home (#65) located in the northeastern portion of the site.



Photo #9 View to southeast of the garage (#127) in the northeastern portion of the site.

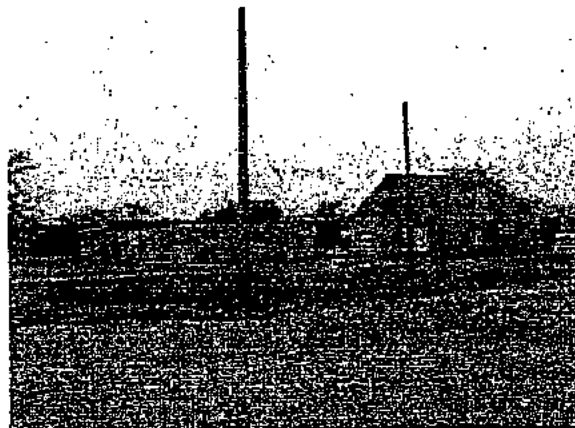


Photo #10 View to the southwest of the Carpenter Shop (#40) and the Salt Shed/Garage (#41) at the site.



Photo #11 View to the southwest of the Masonry & Planter's Shop (#35) and the Implement Shed (#33) at the site.

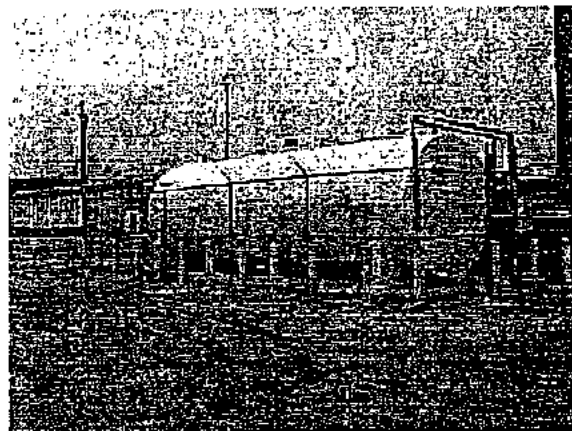


Photo #12 View of fuel oil AST associated with the powerhouse located adjacent to the central portion of the site.



Photo #13 View of the Pump and Blower House (#31) and the associated water AST in the western-central portion of the site.

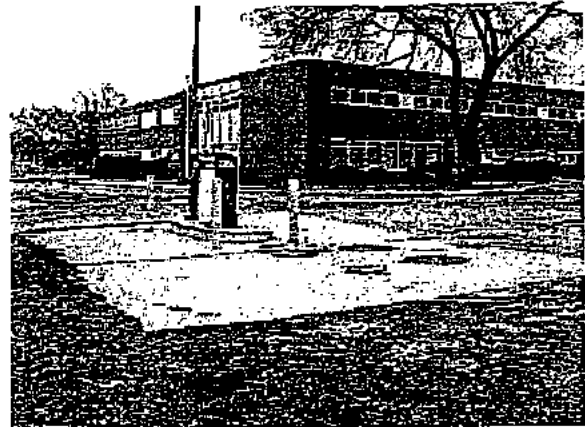


Photo #14 View of the UST evidence located south of the Implement Shed (#33) at the site.

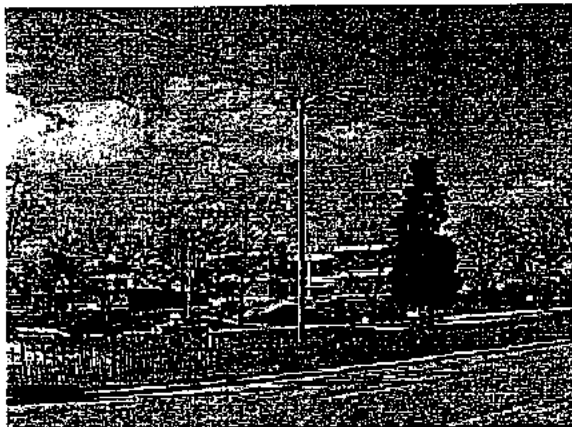


Photo #15 View to the Pavilion Building (#67) in the northeastern portion of the site.

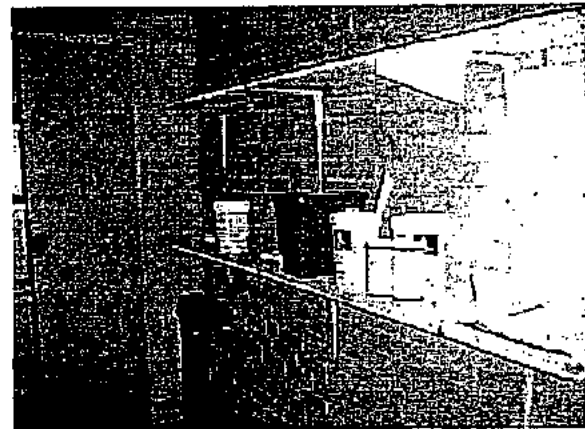


Photo #16 View of the sharps container in Hawley Cottage (#69) at the site.



Photo #17 Typical view of the former location of a PCB-containing transformer southeast of Woods Cottage (#61) at the site.

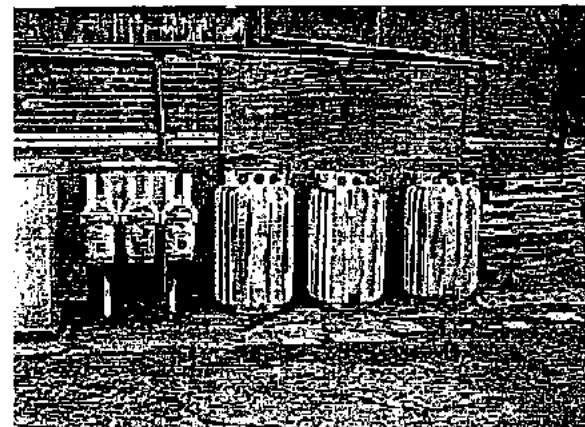


Photo #18 Typical view of transformers south of the Old Laundry Building (#40) at the site.

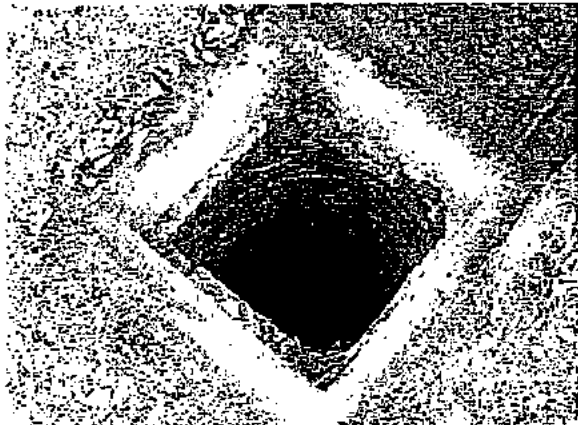


Photo #19 Typical view of the storm water system at the site.



Photo #20 Typical view of the abandoned transformer to the north of the water AST at the site.

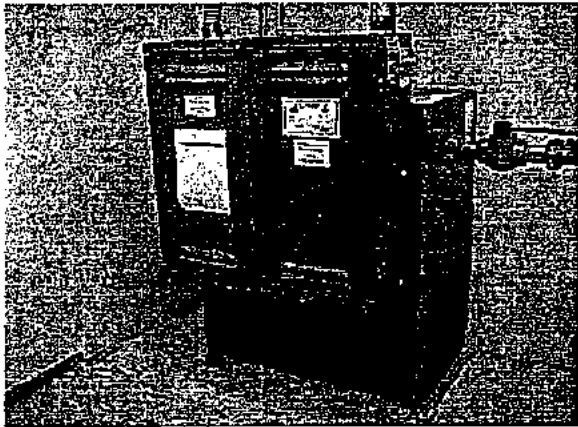


Photo #21 Typical view of the hydraulic elevator equipment in the Pavilion Building (#67) at the site.

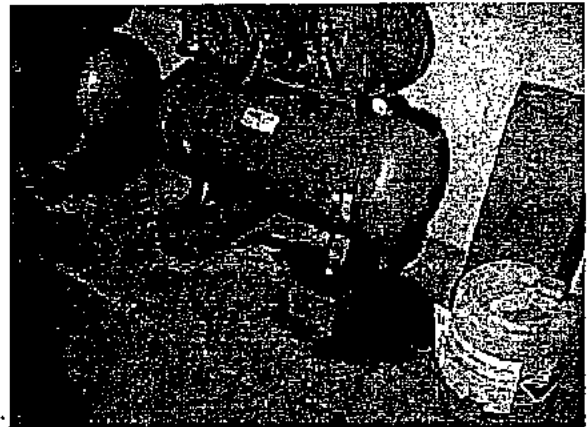


Photo #22 Typical view of the air compressors at the Pavilion Building (#67) at the site.



Photo #23 Typical view of the former "lake" area in the eastern portion of the site.

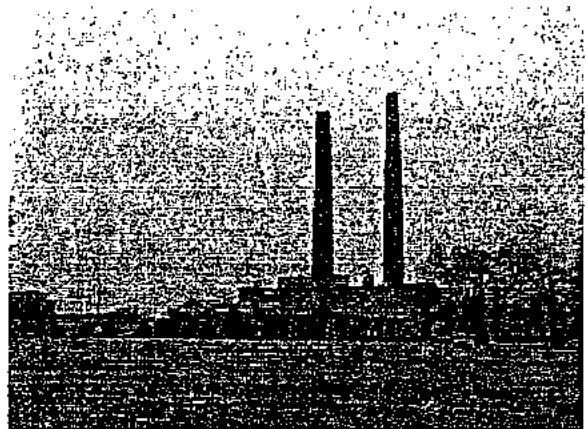


Photo #24 View of the centrally adjacent powerhouse that is not a portion of the site.

APPENDIX E

Description of Terms and Acronyms

Description of Selected General Terms and Acronyms

Term/Acronym	Description
ACM	<p>Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).</p> <p>Regulatory agencies have generally defined ACM as a material containing greater than one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogeneous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogeneous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.</p> <p>Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM becomes damaged or is likely to be disturbed or damaged during demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.</p>
AHERA	Asbestos Hazard Emergency Response Act
AST	Above Ground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CFR	Code of Federal Regulations
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term does not include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

Term/Acronym	Description
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."
HREC	Historical Recognized Environmental Condition. Environmental condition which in the past would have been considered a recognized environmental condition (REC), but which may or may not be considered a REC currently. The final decision rests with the environmental professional and will be influenced by the current impact of the HREC on the property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidence by the issuance of a no further action letter or equivalent), this condition shall be considered an historical recognized environmental condition.
ILP	Innocent Landowner/Operator Program
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a groundwater cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers that identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	National Priorities List, as more particularly described under the Records Review section of this report.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/l	picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per liter of air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and groundwater. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ("cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA generators list is part of the RCRA database maintained by EPA and lists facilities that generate hazardous waste as part of their normal business operations, as more particularly defined under Section 5.0 of this report.

Term/Acronym	Description
RCRA	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials, which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
CORRACTS/TSDs	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities that report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Non-CORRACTS/TSDs	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for non-compliance.
Violators List	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
RCRIS	Recognized Environmental Condition is defined by ASTM E 1527-00 as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions of compliance with laws. The term is not intended to include <i>de minimis</i> conditions that generally do not present a material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.
REC	State "CERCLIS" List (see SPL/State Priority List, below).
SCL	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility having a petroleum AST with a capacity of over 660 gallons or two or more tanks having an aggregate capacity of over 1320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPCC	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SPL	Solid Waste Facility List. A Vista Information Solutions, Inc. database of solid waste facilities listed by state.
SWF	Total Petroleum Hydrocarbons
TPH	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TRI	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
TSCA	United States Army Corps of Engineers
USACE	United States Code
USC	United States Geological Survey
USGS	United States Department of Agriculture-Natural Resource Conservation Service
USNRCS	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527, define this as any tank, including, underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
UST	Voluntary Cleanup Program
VCP	Volatile Organic Compound
VOC	Areas that are typically saturated with surface or groundwater that create an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.
Wellands	The federal Clean Water Act which regulates "waters of the U.S." also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S.; (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 - (217) 782-3397
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 - (312) 814-6026

ROD R. BLAGOJEVICH, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

217/557-8085

January 6, 2006

7004 2510 0001 8654 5860

James Nicketta
John B. Sanfilipo & Son, Inc.
2299 Busse Road
Elk Grove Village, IL 60007

Re: LPC# 0894385115 - Kane County
Elgin/Elgin Mental Health Center
Site Remediation/Technical Reports

RELEASABLE

JAN 19 2006

Dear Mr. Nicketta:

REVIEWER MD

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the *Site Investigation Report - Comprehensive, Remediation Objectives Report & Remedial Action Completion Report* (November 28, 2005/Illinois EPA Log# 05-27410), as prepared by Pioneer Engineering & Environmental Services, Inc. for the Elgin Mental Health Center Site Remediation Project located at 750 South State Street, Elgin, IL.

The above referenced report is temporarily denied with the following comments.

- 1) The report needs to provide more information about the laundry buildings. Chloroethylene was reportedly stored and used in the laundry buildings. Chloroethylene is another name for vinyl chloride. What was the chloroethylene used for in the laundry buildings? Were dry cleaning machines ever present in the buildings? Was the chloroethylene ever stored or used in an area located near exterior doors? If so the areas outside these doors should be investigated to determine if the chloroethylene might have been improperly disposed of outside. Are there currently or in the past, any floor drains in the laundry buildings? These should be investigated for potential improper disposal. If dry cleaning machines were ever operated locations of historical dumpsters should be determined and investigated. Spent filters might have been discarded in these dumpsters leading to contamination of the soil beneath them.
- 2) The report indicates coal was historically stored in piles at the site. Coal fines are reported to be visible at the ground surface. The remnant coal should be removed

or covered with an approved engineered barrier to prevent possible ingestion of the coal fines.

- 3) On page 14 of the report the depth to groundwater is reported to be 49.98 feet in MW-2. However, according to the boring log for MW-2 the total depth of the boring for this well is 40 feet and the depth to groundwater is 25 feet.
- 4) Please provide the census data to support the use of the PNA background study as remediation objectives at the site. The census data should show the area meets the required total population and population density.
- 5) A water well search was completed as required and the results are included in an appendix. However, the report should provide some discussion of the water well search. The discussion should include at a minimum, the specific sources contacted and the results of those contacts. Two wells are noted located on site and no longer used. Were these wells sealed? Information should be provided to document the closure of those wells.
- 6) Two 55-gallon drums described as bulging and unlabeled contents were observed outside the "New" laundry building. Please provide documentation on the removal and proper disposal of the drums and contents.
- 7) Hydraulic conductivity for the site was assumed from a published range of values for the type of soils encountered during the site investigation. When developing remediation objectives that require a value of hydraulic conductivity a site-specific value should be determined from actual tests completed on the site. However, because the groundwater was assumed to be the more restrictive Class I and the hydraulic conductivity has no effect on the R26 modeling for the contaminant lead I am not requiring a site-specific slug test. If the hydraulic conductivity is needed for other contaminants to develop groundwater objectives a slug test will be needed.

Please submit two (2) copies of all future reports or correspondence to the Illinois EPA regarding this site. Also, the Illinois EPA requests not less than fourteen (14) calendar days notification of all future site investigation and remedial activities in order to coordinate Illinois EPA oversight. This notification is particularly important when groundwater or soil samples are being collected.

Failure to notify the Illinois EPA may invalidate sample analysis results and/or other site activities. If you have any questions I may be contacted at the address or telephone number above.

Sincerely,

A handwritten signature in cursive script that reads "Steve McCaslin".

Steve McCaslin, P.E.
Project Manager
Voluntary Site Remediation Unit
Remedial Project Management Section
Division of Remediation Management
Bureau of Land

SDM: sdm

cc: Dakota Prentice
Pioneer Engineering and Environmental Services, Inc.
700 North Sacramento Boulevard, Suite 101
Chicago, IL 60612

1
8
bcc: Bureau of Land File

0995 4599 7000 0752 4002
 7004 2510 0001 8654 5860

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 John B. Sanfilipo & Son, Inc.
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 Elk Grove Village, IL 60007

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James Nicketta
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 2299 Busse Rd.
 Elk Grove Village, IL 60007

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Illinois Environmental Protection Agency

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8030



06/29728

0894385115
ELGIN MENTAL HEALTH CENTER
SR/TECH

PIONEER

Engineering & Environmental Services, Inc.

RESPONSE TO IEPA COMMENTS LETTER

LPC # 0894385115
Elgin Mental Health Center
Elgin, Illinois

RECEIVED

MAY 26 2006

IEPA/BOL

Prepared For:

John B. Sanfilipò & Sons, Inc.
2299 Busse Road
Elk Grove Village, IL 60007
Attn: Mr. James Nicketta

ORIGINAL

Project Number:
04-1211-103

RELEASAF

May 23, 2006

JUN 07 2006

REVIEWER MIM

PIONEER

Engineering & Environmental Services, Inc.

06-29728

700 N Sacramento Blvd Suite 101
Chicago IL 60612
Phone: 773-722-9200 - Fax: 773-722-9201
www.pioneerEES.com

May 23, 2006

Illinois Environmental Protection Agency
Bureau of Land – Division of Remediation Management
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
Attn: Mr. Steve McCaslin

RECEIVED

MAY 26 2006

IEPA/BOL

RE: # 0894385115 – Kane County
Elgin/Elgin Mental Health Center
Site Remediation/Technical Reports

Dear Mr. McCaslin:

The purpose of this letter is to provide responses to the Illinois EPA's comments presented in their letter dated January 6, 2006, regarding the *Site Investigation Report – Comprehensive / Remediation Objectives Report & Remedial Action Completion Report (SIR/ROR/RACR)* dated November 28, 2005, prepared by Pioneer Engineering & Environmental Services, Inc. (Pioneer) for the above-captioned site. The following presents our responses to the items presented in the Illinois EPA's January 6, 2006 letter.

Illinois EPA Comment #1:

The report needs to provide more information about the laundry buildings. Chloroethylene was reportedly stored and used in the laundry buildings. Chloroethylenene is another name for vinyl chloride. What was the chloroethylene used for in the laundry buildings? Were dry cleaning machines ever present in the buildings? Was the chloroethylene ever stored or used in an area located near exterior doors? If so the areas outside these doors should be investigated to determine if the chloroethylene might have been improperly disposed of outside. Are there currently or in the past, any floor drains in the laundry buildings? These should be investigated for potential improper disposal. If dry cleaning machines were ever operated locations of historical dumpsters should be determined and investigated. Spent filters might have been discarded in these dumpsters leading to contamination of the soil beneath them.

Explanation:

ORIGINAL

The background information presented in the SIR/ROR/RACR was obtained from the review of a Phase I Environmental Site Assessment (ESA) dated April 13, 2004 and conducted by Terracon Consulting Engineers and Scientists (Terracon), and no further information is available regarding the former use of chloroethylene/trichloroethylene at the Remediation Site.

In order to further investigate this Recognized Environmental Condition (REC), Pioneer advanced two soil borings in the locations of each of the former laundry buildings on February 10, 2006 (see Figure 1 and the photolog attached). Borings B-201 through 204 were sampled for volatile organic compounds (VOCs) per SW-846 Method 5035. The analytical results indicated there were no VOCs, including vinyl chloride, detected at concentrations exceeding the Tier 1 SROs (see the attached summary table and laboratory report). Please refer to the attached boring logs for a description of the encountered soil conditions.

Pioneer believes that the cumulative results indicate that the laundry buildings have been adequately assessed and further investigation is not warranted at this time.

Illinois EPA Comment #2:

The report indicates coal was historically in piles at the site. Coal fines are reported to be visible at the ground surface. The remnant coal should be removed or covered with an approved engineered barrier to prevent possible ingestion of the coal fines.

Explanation:

In order to address this concern, the remnant coal was removed from the Remediation Site on March 23, 2006 (see Figure 1 and the photolog attached). The remnant coal (12.3 tons) was handled as non-special waste and disposed of at Settler's Hill Landfill (see the attached Waste Management customer summary report). As a result of the removal of the remnant coal, Pioneer believes this concern has been addressed, and no further action is warranted in connection with the remnant coal formerly on the Remediation Site.

Illinois EPA Comment #3:

On page 14 of the report the depth to groundwater is reported to be 49.98 feet in MW-2. However, according to the boring log for MW-2 the total depth of the boring for this well is 40 feet and the depth to groundwater is 25 feet.

Explanation:

On pages 10 and 19 of the report, the depth to groundwater in MW-2 was reported to be 49.98 feet, and this is the correct value. Due to a clerical error, unfinished well completion reports were submitted with the SIR/ROR/RACR, and the final well completion reports are attached to this letter.

Illinois EPA Comment #4:

Please provide the census data to support the use of the PNA background study as remediation objectives at the site. The census data should show the area meets the required total population and population density.

Explanation:

The Remediation Site is located in Kane County, which is identified in Appendix A Table G Footnote "a" as a county within a Metropolitan Statistical Area. Additionally, Elgin, Illinois has a population of 94,487 based on the year 2000 census, and qualifies as a "populated area" per Section 742.200.

Illinois EPA Comment #5:

A water well search was completed as required and the results are included in an appendix. However, the report should provide some discussion of the water well search. The discussion should include at a minimum, the specific sources contacted and the results of those contacts. Two wells are noted located on site: and no longer used. Were these wells sealed? Information should be provided to document the closure of those wells.

Explanation:

As presented in Appendix F of the SIR/ROR/RACR, well survey information was obtained from the Illinois State Geological Survey (ISGS), the Illinois State Water Survey (ISWS), the IEPA Bureau of Water, and the Kane County Health Department.

Inspection of the Remediation Site did not identify any existing water wells. A representative of the Elgin Mental Health Center, Mr. Dave Avers, was interviewed in connection with potential wells. Mr. Avers stated that to the best of his knowledge, no wells are present on the Remediation Site, and that the site is served by a municipal water supply. There was no additional information available regarding the reported on-site wells.

Illinois EPA Comment #6:

Two 55-gallon drums described as bulging and unlabeled contents were observed outside the "New" laundry building. Please provide documentation on the removal and proper disposal of the drums and contents.

Explanation:

Currently, there are no 55-gallon drums present on the Remediation Site. No information was available to Pioneer regarding the removal or final disposition of the previously identified drums.

Illinois EPA Comment #7:

Hydraulic conductivity for the site was assumed from a published range of values for the type of soils encountered during the site investigation. When developing remediation objectives that require a value of hydraulic conductivity a site specific value should be determined from actual tests completed on the site. However, because the groundwater was assumed to be the more restrictive Class I and the hydraulic conductivity has no effect on the R26 modeling for the contaminant lead I am not requiring a site-specific slug test. If the hydraulic conductivity is needed for other contaminants to develop groundwater objectives a slug test will be needed.

Explanation:

Based on the recent soil sampling activities, no additional contaminants were identified, therefore, the site-specific hydraulic conductivity is not needed to develop groundwater objectives, and a slug test is not required.

SUMMARY

Based on the information presented in the SIR/ROR/RACR and in this letter, Pioneer believes that the use of institutional controls will be sufficient to mitigate the risk associated with the contamination identified at the Remediation Site. Thus, Pioneer respectfully requests that a NFR letter be issued upon approval of this submittal, to demonstrate to interested parties that the State's requirements have been met. Based on our evaluation, Pioneer believes the NFR letter will include the following conditions and institutional controls:

- The Remediation Site will have an industrial/commercial land use restriction;
- An institutional control, in the form of the NFR letter for the site, will be used to prohibit the use of groundwater at the Remediation Site; and
- Any contaminated soil or groundwater that is removed, excavated, or disturbed from the Remediation site must be handled in accordance with applicable laws and regulations.

We appreciate your review of this matter, and if you have any questions regarding these matters, please feel free to contact me at (773) 722-9200.

Respectfully Submitted,
PIONEER ENGINEERING & ENVIRONMENTAL SERVICES, INC.



Mark Santangelo, R.P.G.
Project Manager

LIST OF ATTACHMENTS

Illinois EPA Denial Letter Dated 1/6/06
Figure 1 - Boring Location Plan
Photolog
Soil Boring Logs
Analytical Summary Table
Laboratory Report
Waste Management Inc. Customer Summary Report
Final Monitoring Well Completion Reports
Elgin Census Data



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 - (217) 782-3397
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 - (312) 814-6026

ROD R. BLAGOJEVICH, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

217/557-8085

January 6, 2006

7004 2510 0003 8654 5860

James Nicketta
John B. Sanfilipo & Son, Inc.
2299 Busse Road
Elk Grove Village, IL 60007

Re: LPC# 0894385115 - Kane County
Elgin/Elgin Mental Health Center
Site Remediation/Technical Reports

Dear Mr. Nicketta:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the *Site Investigation Report - Comprehensive, Remediation Objectives Report & Remedial Action Completion Report* (November 28, 2005/Illinois EPA Log# 05-27410), as prepared by Pioneer Engineering & Environmental Services, Inc. for the Elgin Mental Health Center Site Remediation Project located at 750 South State Street, Elgin, IL.

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- 2) The report indicates coal was historically stored in piles at the site. Coal fines are reported to be visible at the ground surface. The remnant coal should be removed

ROCKFORD - 4302 North Main Street, Rockford, IL 61103 - (815) 987-7760 • DES PLAINES - 9511 W. Harrison St., Des Plaines, IL 60016 - (847) 294-4000
ELGIN - 595 South State, Elgin, IL 60123 - (847) 608-3131 • PEORIA - 5415 N. University St., Peoria, IL 61614 - (309) 693-5463
BUREAU OF LAND - PEORIA - 7620 N. University St., Peoria, IL 61614 - (309) 693-5462 • CHAMPAIGN - 2125 South First Street, Champaign, IL 61820 - (217) 278-5800
SPRINGFIELD - 4500 S. Sixth Street Rd., Springfield, IL 62706 - (217) 786-6892 • COLLINSVILLE - 2009 Mall Street, Collinsville, IL 62234 - (618) 346-5120
MARION - 2309 W. Main St., Suite 116, Marion, IL 62959 - (618) 993-7200

or covered with an approved engineered barrier to prevent possible ingestion of the coal fines.

- 3) On page 14 of the report the depth to groundwater is reported to be 49.98 feet in MW-2. However, according to the boring log for MW-2 the total depth of the boring for this well is 40 feet and the depth to groundwater is 25 feet.
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Failure to notify the Illinois EPA may invalidate sample analysis results and/or other site activities. If you have any questions I may be contacted at the address or telephone number above.

Sincerely,

A handwritten signature in cursive script that reads "Steve McCaslin".

Steve McCaslin, P.E.
Project Manager
Voluntary Site Remediation Unit
Remedial Project Management Section
Division of Remediation Management
Bureau of Land

SDM: sdim

cc: Dakota Prentice
Pioneer Engineering and Environmental Services, Inc.
700 North Sacramento Boulevard, Suite 101
Chicago, IL 60612

SEE LARGE FORMAT MAP OR PLAN SHEET

DESCRIPTION:

SITE DIAGRAM + BORING LOCATION MAP

SWC OF ROUTE 209 ROUTE 31 ELGIN, IL

OCTOBER, 2004

FIGURE 1



View of the location of boring B-201 in building SB-109.



View of the location of boring B-202 in building SB-109.



View of the location of boring B-203 in the location of former building SB-49.

PI**NEER** Engineering & Environmental Services, Inc.

Elgin Mental Health Center
Elgin, Illinois

PHOTOGRAPHIC LOG

Project Number: 04-1211-103

February 2006



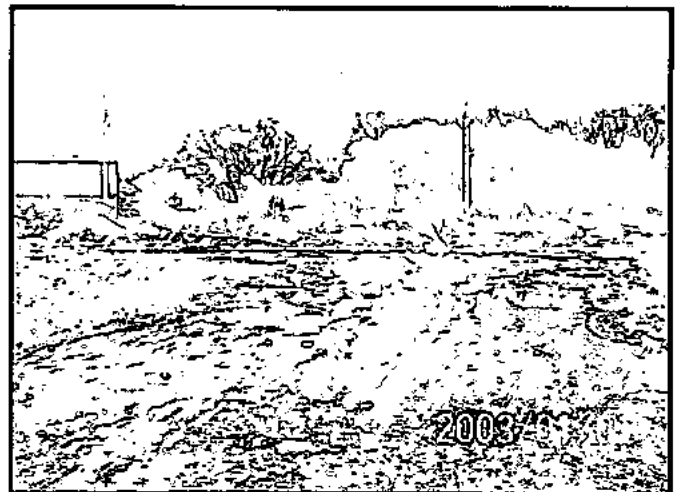
View of remnant coal on the surface of the Remediation Site.



View of remnant coal on the surface of the Remediation Site.



View of the removal of the remnant coal. (Note: camera date stamp is incorrect and should read 2006/03/23).



View of the Remediation Site following removal of the remnant coal. Black coloring is due to the presence of organic topsoil. (Note: camera date stamp is incorrect and should read 2006/03/23).



Boring Log

Boring No.: B-201

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 2/10/2006

Date End: 2/10/2006

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes	
<1	65 %			Concrete		CONCRETE	No Visual, No Odor	
				GC		GRAVEL Base		
<1	70 %		5	SP		Brown Medium Graded SAND		No Visual, No Odor
<1	70 %					No Visual, No Odor		
<1	50 %		10			No Visual, No Odor		
						Boring Terminated at 12 Feet		

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: Tom Schwartz

Geologist: Dakota Prentice

LUST Incident No:

Water Depth While Drilling: N/A Water Depth After Drilling:

Project Number: 04-1211-103

Page 1



Boring Log

Boring No.: B-202
 Date Begin: 2/10/2006
 Date End: 2/10/2006

Site: Elgin MHC
 SW Rte. 20 & 31
 Elgin, Illinois

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes	
<1	65 %			Concrete		CONCRETE	No Visual, No Odor	
				GC		GRAVEL Base		
<1	70 %		5	Fill		FILL (sand, gravel)		No Visual, No Odor
				SP		Brown Medium Graded SAND, trace gravel		
<1	70 %			Fill		FILL (sand, gravel)		No Visual, No Odor
				CL		Brown to Gray Silty CLAY, trace gravel and debris		
<1	50 %		10			Boring Terminated at 12 Feet	No Visual, No Odor	

Completion Notes:
 Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe
 Driller: Tom Schwartzerz
 Geologist: Dakota Prentice
 LUST Incident No:



Boring Log

Boring No.: B-203

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 2/10/2006

Date End: 2/10/2006

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	65 %			Topsoil		TOPSOIL	No Visual, No Odor
				CL		Brown Sandy CLAY, trace gravel	
<1	70 %		5	Fill		FILL (sand, gravel)	No Visual, No Odor
<1	70 %					Brown SAND, trace gravel	No Visual, No Odor
<1	50 %		10	SP			No Visual, No Odor
						Boring Terminated at 12 Feet	

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: Tom Schwartzerz

Geologist: Dakota Prentice

LUST Incident No:

Water Depth While Drilling: N/A Water Depth After Drilling:

Project Number: 04-1211-103

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Boring Log

Boring No.: B-204

Site: Elgin MHC
SW Rte. 20 & 31
Elgin, Illinois

Date Begin: 2/10/2006

Date End: 2/10/2006

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Notes
<1	65 %			Topsoil		TOPSOIL	No Visual, No Odor
<1	70 %		5	Fill		FILL (clay, gravel)	No Visual, No Odor
<1	70 %			SP		Brown Medium Graded SAND	No Visual, No Odor
<1	50 %		10				No Visual, No Odor
Boring Terminated at 12 Feet							

Completion Notes:
Hatched Pattern Indicates Samples Analyzed

Drill Rig: Simco EarthProbe

Driller: Tom Schwartz

Geologist: Dakota Prentice

LUST Incident No:

Water Depth While Drilling: N/A Water Depth After Drilling:

Project Number: 04-1211-103

Page 1

TABLE NO. 1
Soil Sample Analytical Results: VOCs
Elgin Mental Health Center
Southwest Corner of Route 20 and Route 31 / Elgin, Illinois

ANALYTE	B-201 (3'-6')	B-202 (0'-3')	B-202 (9'-12')	B-203 (3'-6')	B-204 (6'-9')	Tier 1 Soil Remediation Objectives (Tier 1 SROs) Residential Property Use ⁽¹⁾			
						Route Specific Values		Soil Component of the Groundwater Ingestion Pathway	
						Ingestion	Inhalation	Class I	Class II
Date of Sample Collection	2/10/06	2/10/06	2/10/06	2/10/06	2/10/06				
2-Butanone (MEK)	<9.1	<11	<8.9	<8.5	<10	47,000,000	14,000,000	17,000	17,000
2-Hexanone	<9.1	<11	<8.9	<8.5	<10	--	--	--	--
4-Methyl-2-pentanone (MIBK)	<9.1	<11	<8.9	<8.5	<10	6,300,000	880,000	2,500	2,500
1,1-Dichloroethane	<4.5	<5.4	<4.4	<4.2	<5.1	7,800,000	1,300,000	23,000	110,000
1,1-Dichloroethene	<4.5	<5.4	<4.4	<4.2	<5.1	700,000	1,500,000	60	300
1,2-Dichloroethane	<4.5	<5.4	<4.4	<4.2	<5.1	7,000	400	20	100
1,2-Dichloropropane	<4.5	<5.4	<4.4	<4.2	<5.1	9,000	15,000	30	150
1,3-Dichloropropene (total)	<4.5	<5.4	<4.4	<4.2	<5.1	6,400	1,100	4	20
1,1,1-Trichloroethane	<4.5	<5.4	<4.4	<4.2	<5.1	--	1,200,000	2,000	9,600
1,1,2-Trichloroethane	<4.5	<5.4	<4.4	<4.2	<5.1	310,000	1,800,000	20	300
1,1,2,2-Tetrachloroethane	<4.5	<5.4	<4.4	<4.2	<5.1	--	--	--	--
Acetone	<4.5	<5.4	<4.4	63	<5.1	7,800,000	100,000,000	16,000	16,000
Benzene	<4.5	<5.4	<4.4	<4.2	<5.1	12,000	800	30	170
Bromodichloromethane	<4.5	<5.4	<4.4	<4.2	<5.1	10,000	3,000,000	600	600
Bromoform	<4.5	<5.4	<4.4	<4.2	<5.1	81,000	53,000	800	800
Bromomethane	<9.1	<11	<8.9	<8.5	<10	110,000	10,000	200	1,200
Carbon disulfide	<4.5	<5.4	<4.4	<4.2	<5.1	7,800,000	720,000	32,000	160,000
Carbon tetrachloride	<4.5	<5.4	<4.4	<4.2	<5.1	5,000	300	70	330
Chlorobenzene	<4.5	<5.4	<4.4	<4.2	<5.1	1,600,000	130,000	1,000	6,500
Chlorodibromomethane	<4.5	<5.4	<4.4	<4.2	<5.1	1,600,000	1,300,000	400	400
Chloroethane	<9.1	<11	<8.9	<8.5	<10	--	--	--	--
Chloroform	<4.5	<5.4	<4.4	<4.2	<5.1	100,000	300	600	2,900
Chloromethane	<9.1	<11	<8.9	<8.5	<10	--	--	--	--
cis-1,2-Dichloroethene	<4.5	<5.4	<4.4	<4.2	<5.1	780,000	1,200,000	400	1,100
l-Hyl benzene	<4.5	<5.4	<4.4	<4.2	<5.1	7,800,000	400,000	13,000	19,000
Methylene chloride	<9.1	<11	<8.9	<8.5	<10	85,000	13,000	20	200
Styrene	<4.5	<5.4	<4.4	<4.2	<5.1	16,000,000	1,500,000	4,000	18,000
Tetrachloroethene	<4.5	<5.4	<4.4	<4.2	<5.1	12,000	11,000	60	300
Toluene	<4.5	<5.4	<4.4	<4.2	<5.1	16,000,000	650,000	12,000	29,000
trans-1,2-Dichloroethene	<4.5	<5.4	<4.4	<4.2	<5.1	1,600,000	3,100,000	700	3,400
Trichloroethene	<4.5	<5.4	<4.4	<4.2	<5.1	58,000	5,000	60	300
Vinyl chloride	<4.5	<5.4	<4.4	<4.2	<5.1	460	280	10	70
Total Xylenes	<14	<16	<13	<13	<15	160,000,000	320,000	150,000	150,000
Methyltertiary butyl ether	<4.5	<5.4	<4.4	<4.2	<5.1	780,000	8,800,000	320	320

Notes: Results listed in µg/kg (parts per billion-ppb)

EPA test method SW846, 5035/8260

Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO

< indicates not detected at stated detection limits

- indicates value not available

(1) Pursuant to 35 IAC Part 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table A)

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

February 20, 2006

Pioneer Engineering & Environmental Services, Inc.

700 N. Sacramento Blvd., Suite 100

Chicago, IL 60612

Telephone: (773) 722-9200

Fax: (773) 722-7201

RE: 04-1211-103, San Fillipo, Elgin

STAT Project No: 06020260

Dear Dakota Prentice:

STAT Analysis received 5 samples for the referenced project on 2/13/2006. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 563-0371.

Sincerely,



Craig Chawla

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Client: Pioneer Engineering & Environmental Services, Inc.
Project: 04-1211-103, San Fillipo, Elgin
Lab Order: 06020260

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
06020260-001A	B-201 (3-6)		2/10/2006	2/13/2006
06020260-002A	B-202 (0-3)		2/10/2006	2/13/2006
06020260-003A	B-202 (9-12)		2/10/2006	2/13/2006
06020260-004A	B-203 (3-6)		2/10/2006	2/13/2006
06020260-005A	B-204 (6-9)		2/10/2006	2/13/2006

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Report Date: February 20, 2006

Print Date: February 20, 2006

Client:	Pioneer Engineering & Environmental Services, I	Client Sample ID:	B-201 (3-6)
Lab Order:	06020260	Tag Number:	
Project:	04-1211-103, San Fillipo, Elgin	Collection Date:	2/10/2006
Lab ID:	06020260-001A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 2/14/2006		Analyst: MP
Acetone	ND	45		µg/Kg	1	2/17/2006
Benzene	ND	4.5		µg/Kg	1	2/17/2006
Bromodichloromethane	ND	4.5		µg/Kg	1	2/17/2006
Bromoform	ND	4.5		µg/Kg	1	2/17/2006
Bromomethane	ND	9.1		µg/Kg	1	2/17/2006
2-Butanone	ND	9.1		µg/Kg	1	2/17/2006
Carbon disulfide	ND	4.5		µg/Kg	1	2/17/2006
Carbon tetrachloride	ND	4.5		µg/Kg	1	2/17/2006
Chlorobenzene	ND	4.5		µg/Kg	1	2/17/2006
Chloroethane	ND	9.1		µg/Kg	1	2/17/2006
Chloroform	ND	4.5		µg/Kg	1	2/17/2006
Chloromethane	ND	9.1		µg/Kg	1	2/17/2006
Dibromochloromethane	ND	4.5		µg/Kg	1	2/17/2006
1,1-Dichloroethane	ND	4.5		µg/Kg	1	2/17/2006
1,1-Dichloroethene	ND	4.5		µg/Kg	1	2/17/2006
1,2-Dichloroethane	ND	4.5		µg/Kg	1	2/17/2006
1,2-Dichloropropane	ND	4.5		µg/Kg	1	2/17/2006
cis-1,2-Dichloroethene	ND	4.5		µg/Kg	1	2/17/2006
trans-1,2-Dichloroethene	ND	4.5		µg/Kg	1	2/17/2006
cis-1,3-Dichloropropene	ND	4.5		µg/Kg	1	2/17/2006
trans-1,3-Dichloropropene	ND	4.5		µg/Kg	1	2/17/2006
Ethylbenzene	ND	4.5		µg/Kg	1	2/17/2006
2-Hexanone	ND	9.1		µg/Kg	1	2/17/2006
4-Methyl-2-pentanone	ND	9.1		µg/Kg	1	2/17/2006
Methylene chloride	ND	9.1		µg/Kg	1	2/17/2006
Methyl tert-butyl ether	ND	4.5		µg/Kg	1	2/17/2006
Styrene	ND	4.5		µg/Kg	1	2/17/2006
Tetrachloroethene	ND	4.5		µg/Kg	1	2/17/2006
Toluene	ND	4.5		µg/Kg	1	2/17/2006
1,1,1-Trichloroethane	ND	4.5		µg/Kg	1	2/17/2006
1,1,2-Trichloroethane	ND	4.5		µg/Kg	1	2/17/2006
1,1,2,2-Tetrachloroethane	ND	4.5		µg/Kg	1	2/17/2006
Trichloroethene	ND	4.5		µg/Kg	1	2/17/2006
Vinyl chloride	ND	4.5		µg/Kg	1	2/17/2006
Xylenes, Total	ND	14		µg/Kg	1	2/17/2006

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Report Date: February 20, 2006

Print Date: February 20, 2006

Client:	Pioneer Engineering & Environmental Services, I	Client Sample ID:	B-202 (0-3)
Lab Order:	06020260	Tag Number:	
Project:	04-1211-103, San Fillipo, Elgin	Collection Date:	2/10/2006
Lab ID:	06020260-002A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 2/14/2006		Analyst: MP	
Acetone	ND	54		µg/Kg	1	2/17/2006
Benzene	ND	5.4		µg/Kg	1	2/17/2006
Bromodichloromethane	ND	5.4		µg/Kg	1	2/17/2006
Bromoform	ND	5.4		µg/Kg	1	2/17/2006
Bromomethane	ND	11		µg/Kg	1	2/17/2006
2-Butanone	ND	11		µg/Kg	1	2/17/2006
Carbon disulfide	ND	5.4		µg/Kg	1	2/17/2006
Carbon tetrachloride	ND	5.4		µg/Kg	1	2/17/2006
Chlorobenzene	ND	5.4		µg/Kg	1	2/17/2006
Chloroethane	ND	11		µg/Kg	1	2/17/2006
Chloroform	ND	5.4		µg/Kg	1	2/17/2006
Chloromethane	ND	11		µg/Kg	1	2/17/2006
Dibromochloromethane	ND	5.4		µg/Kg	1	2/17/2006
1,1-Dichloroethane	ND	5.4		µg/Kg	1	2/17/2006
1,1-Dichloroethene	ND	5.4		µg/Kg	1	2/17/2006
1,2-Dichloroethane	ND	5.4		µg/Kg	1	2/17/2006
1,2-Dichloropropane	ND	5.4		µg/Kg	1	2/17/2006
cis-1,2-Dichloroethene	ND	5.4		µg/Kg	1	2/17/2006
trans-1,2-Dichloroethene	ND	5.4		µg/Kg	1	2/17/2006
cls-1,3-Dichloropropene	ND	5.4		µg/Kg	1	2/17/2006
trans-1,3-Dichloropropene	ND	5.4		µg/Kg	1	2/17/2006
Ethylbenzene	ND	5.4		µg/Kg	1	2/17/2006
2-Hexanone	ND	11		µg/Kg	1	2/17/2006
4-Methyl-2-pentanone	ND	11		µg/Kg	1	2/17/2006
Methylene chloride	ND	11		µg/Kg	1	2/17/2006
Methyl tert-butyl ether	ND	5.4		µg/Kg	1	2/17/2006
Styrene	ND	5.4		µg/Kg	1	2/17/2006
Tetrachloroethane	ND	5.4		µg/Kg	1	2/17/2006
Toluene	ND	5.4		µg/Kg	1	2/17/2006
1,1,1-Trichloroethane	ND	5.4		µg/Kg	1	2/17/2006
1,1,2-Trichloroethane	ND	5.4		µg/Kg	1	2/17/2006
1,1,2,2-Tetrachloroethane	ND	5.4		µg/Kg	1	2/17/2006
Trichloroethene	ND	5.4		µg/Kg	1	2/17/2006
Vinyl chloride	ND	5.4		µg/Kg	1	2/17/2006
Xylenes, Total	ND	16		µg/Kg	1	2/17/2006

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Report Date: February 20, 2006

Print Date: February 20, 2006

Client:	Pioneer Engineering & Environmental Services, I	Client Sample ID:	B-202 (9-12)
Lab Order:	06020260	Tag Number:	
Project:	04-1211-103, San Fillipo, Elgin	Collection Date:	2/10/2006
Lab ID:	06020260-003A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 2/14/2006		Analyst: MP
Acetone	ND	44		µg/Kg	1	2/17/2006
Benzene	ND	4.4		µg/Kg	1	2/17/2006
Bromodichloromethane	ND	4.4		µg/Kg	1	2/17/2006
Bromoform	ND	4.4		µg/Kg	1	2/17/2006
Bromomethane	ND	8.9		µg/Kg	1	2/17/2006
2-Butanone	ND	8.9		µg/Kg	1	2/17/2006
Carbon disulfide	ND	4.4		µg/Kg	1	2/17/2006
Carbon tetrachloride	ND	4.4		µg/Kg	1	2/17/2006
Chlorobenzene	ND	4.4		µg/Kg	1	2/17/2006
Chloroethane	ND	8.9		µg/Kg	1	2/17/2006
Chloroform	ND	4.4		µg/Kg	1	2/17/2006
Chloromethane	ND	8.9		µg/Kg	1	2/17/2006
Dibromochloromethane	ND	4.4		µg/Kg	1	2/17/2006
1,1-Dichloroethane	ND	4.4		µg/Kg	1	2/17/2006
1,1-Dichloroethene	ND	4.4		µg/Kg	1	2/17/2006
1,2-Dichloroethane	ND	4.4		µg/Kg	1	2/17/2006
1,2-Dichloropropane	ND	4.4		µg/Kg	1	2/17/2006
cis-1,2-Dichloroethene	ND	4.4		µg/Kg	1	2/17/2006
trans-1,2-Dichloroethene	ND	4.4		µg/Kg	1	2/17/2006
cis-1,3-Dichloropropene	ND	4.4		µg/Kg	1	2/17/2006
trans-1,3-Dichloropropene	ND	4.4		µg/Kg	1	2/17/2006
Ethylbenzene	ND	4.4		µg/Kg	1	2/17/2006
2-Hexanone	ND	8.9		µg/Kg	1	2/17/2006
4-Methyl-2-pentanone	ND	8.9		µg/Kg	1	2/17/2006
Methylene chloride	ND	8.9		µg/Kg	1	2/17/2006
Methyl tert-butyl ether	ND	4.4		µg/Kg	1	2/17/2006
Styrene	ND	4.4		µg/Kg	1	2/17/2006
Tetrachloroethene	ND	4.4		µg/Kg	1	2/17/2006
Toluene	ND	4.4		µg/Kg	1	2/17/2006
1,1,1-Trichloroethane	ND	4.4		µg/Kg	1	2/17/2006
1,1,2-Trichloroethane	ND	4.4		µg/Kg	1	2/17/2006
1,1,2,2-Tetrachloroethane	ND	4.4		µg/Kg	1	2/17/2006
Trichloroethene	ND	4.4		µg/Kg	1	2/17/2006
Vinyl chloride	ND	4.4		µg/Kg	1	2/17/2006
Xylenes, Total	ND	13		µg/Kg	1	2/17/2006

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Report Date: February 20, 2006

Print Date: February 20, 2006

Client:	Pioneer Engineering & Environmental Services, I	Client Sample ID:	B-203 (3-6)
Lab Order:	06020260	Tag Number:	
Project:	04-1211-103, San Fillipo, Elgin	Collection Date:	2/10/2006
Lab ID:	06020260-004A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 2/14/2006		Analyst: MP	
Acetone	63	42		µg/Kg	1	2/17/2006
Benzene	ND	4.2		µg/Kg	1	2/17/2006
Bromodichloromethane	ND	4.2		µg/Kg	1	2/17/2006
Bromoform	ND	4.2		µg/Kg	1	2/17/2006
Bromomethane	ND	8.5		µg/Kg	1	2/17/2006
2-Butanone	ND	8.5		µg/Kg	1	2/17/2006
Carbon disulfide	ND	4.2		µg/Kg	1	2/17/2006
Carbon tetrachloride	ND	4.2		µg/Kg	1	2/17/2006
Chlorobenzene	ND	4.2		µg/Kg	1	2/17/2006
Chloroethane	ND	8.5		µg/Kg	1	2/17/2006
Chloroform	ND	4.2		µg/Kg	1	2/17/2006
Chloromethane	ND	8.5		µg/Kg	1	2/17/2006
Dibromochloromethane	ND	4.2		µg/Kg	1	2/17/2006
1,1-Dichloroethane	ND	4.2		µg/Kg	1	2/17/2006
1,1-Dichloroethene	ND	4.2		µg/Kg	1	2/17/2006
1,2-Dichloroethane	ND	4.2		µg/Kg	1	2/17/2006
1,2-Dichloropropane	ND	4.2		µg/Kg	1	2/17/2006
cis-1,2-Dichloroethene	ND	4.2		µg/Kg	1	2/17/2006
trans-1,2-Dichloroethene	ND	4.2		µg/Kg	1	2/17/2006
cis-1,3-Dichloropropene	ND	4.2		µg/Kg	1	2/17/2006
trans-1,3-Dichloropropene	ND	4.2		µg/Kg	1	2/17/2006
Ethylbenzene	ND	4.2		µg/Kg	1	2/17/2006
2-Hexanone	ND	8.5		µg/Kg	1	2/17/2006
4-Methyl-2-pentanone	ND	8.5		µg/Kg	1	2/17/2006
Methylene chloride	ND	8.5		µg/Kg	1	2/17/2006
Methyl tert-butyl ether	ND	4.2		µg/Kg	1	2/17/2006
Styrene	ND	4.2		µg/Kg	1	2/17/2006
Tetrachloroethene	ND	4.2		µg/Kg	1	2/17/2006
Toluene	ND	4.2		µg/Kg	1	2/17/2006
1,1,1-Trichloroethane	ND	4.2		µg/Kg	1	2/17/2006
1,1,2-Trichloroethane	ND	4.2		µg/Kg	1	2/17/2006
1,1,2,2-Tetrachloroethane	ND	4.2		µg/Kg	1	2/17/2006
Trichloroethene	ND	4.2		µg/Kg	1	2/17/2006
Vinyl chloride	ND	4.2		µg/Kg	1	2/17/2006
Xylenes, Total	ND	13		µg/Kg	1	2/17/2006

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Report Date: February 20, 2006

Print Date: February 20, 2006

Client:	Pioneer Engineering & Environmental Services, I	Client Sample ID:	B-204 (6-9)
Lab Order:	06020260	Tag Number:	
Project:	04-1211-103, San Fillipo, Elgin	Collection Date:	2/10/2006
Lab ID:	06020260-005A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 2/14/2006		Analyst: MP
Acetone	ND	51		µg/Kg	1	2/17/2006
Benzene	ND	5.1		µg/Kg	1	2/17/2006
Bromodichloromethane	ND	5.1		µg/Kg	1	2/17/2006
Bromoform	ND	5.1		µg/Kg	1	2/17/2006
Bromomethane	ND	10		µg/Kg	1	2/17/2006
2-Butanone	ND	10		µg/Kg	1	2/17/2006
Carbon disulfide	ND	5.1		µg/Kg	1	2/17/2006
Carbon tetrachloride	ND	5.1		µg/Kg	1	2/17/2006
Chlorobenzene	ND	5.1		µg/Kg	1	2/17/2006
Chloroethane	ND	10		µg/Kg	1	2/17/2006
Chloroform	ND	5.1		µg/Kg	1	2/17/2006
Chloromethane	ND	10		µg/Kg	1	2/17/2006
Dibromochloromethane	ND	5.1		µg/Kg	1	2/17/2006
1,1-Dichloroethane	ND	5.1		µg/Kg	1	2/17/2006
1,1-Dichloroethene	ND	5.1		µg/Kg	1	2/17/2006
1,2-Dichloroethane	ND	5.1		µg/Kg	1	2/17/2006
1,2-Dichloropropane	ND	5.1		µg/Kg	1	2/17/2006
cis-1,2-Dichloroethene	ND	5.1		µg/Kg	1	2/17/2006
trans-1,2-Dichloroethene	ND	5.1		µg/Kg	1	2/17/2006
cis-1,3-Dichloropropene	ND	5.1		µg/Kg	1	2/17/2006
trans-1,3-Dichloropropene	ND	5.1		µg/Kg	1	2/17/2006
Ethylbenzene	ND	5.1		µg/Kg	1	2/17/2006
2-Hexanone	ND	10		µg/Kg	1	2/17/2006
4-Methyl-2-pentanone	ND	10		µg/Kg	1	2/17/2006
Methylene chloride	ND	10		µg/Kg	1	2/17/2006
Methyl tert-butyl ether	ND	5.1		µg/Kg	1	2/17/2006
Styrene	ND	5.1		µg/Kg	1	2/17/2006
Tetrachloroethane	ND	5.1		µg/Kg	1	2/17/2006
Toluene	ND	5.1		µg/Kg	1	2/17/2006
1,1,1-Trichloroethane	ND	5.1		µg/Kg	1	2/17/2006
1,1,2-Trichloroethane	ND	5.1		µg/Kg	1	2/17/2006
1,1,2,2-Tetrachloroethane	ND	5.1		µg/Kg	1	2/17/2006
Trichloroethene	ND	5.1		µg/Kg	1	2/17/2006
Vinyl chloride	ND	5.1		µg/Kg	1	2/17/2006
Xylenes, Total	ND	15		µg/Kg	1	2/17/2006

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

Sample Receipt Checklist

Client Name PIONEER

Date and Time Received:

02/13/06

Work Order Number 06020260

Received by: JC

Checklist completed by:

Jesus Cortez 2/13/06
Signature Date

Reviewed by:

[Signature] 2/19/06
Initials Date

Matrix

Carrier name STAT Analysis

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels/containers? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container or Temp Blank temperature in compliance? Yes No Temperature 4 °C
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - Samples pH checked? Yes No Checked by: _____
- Water - Samples properly preserved? Yes No pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted:

Date contacted:

Contacted by:

Response:



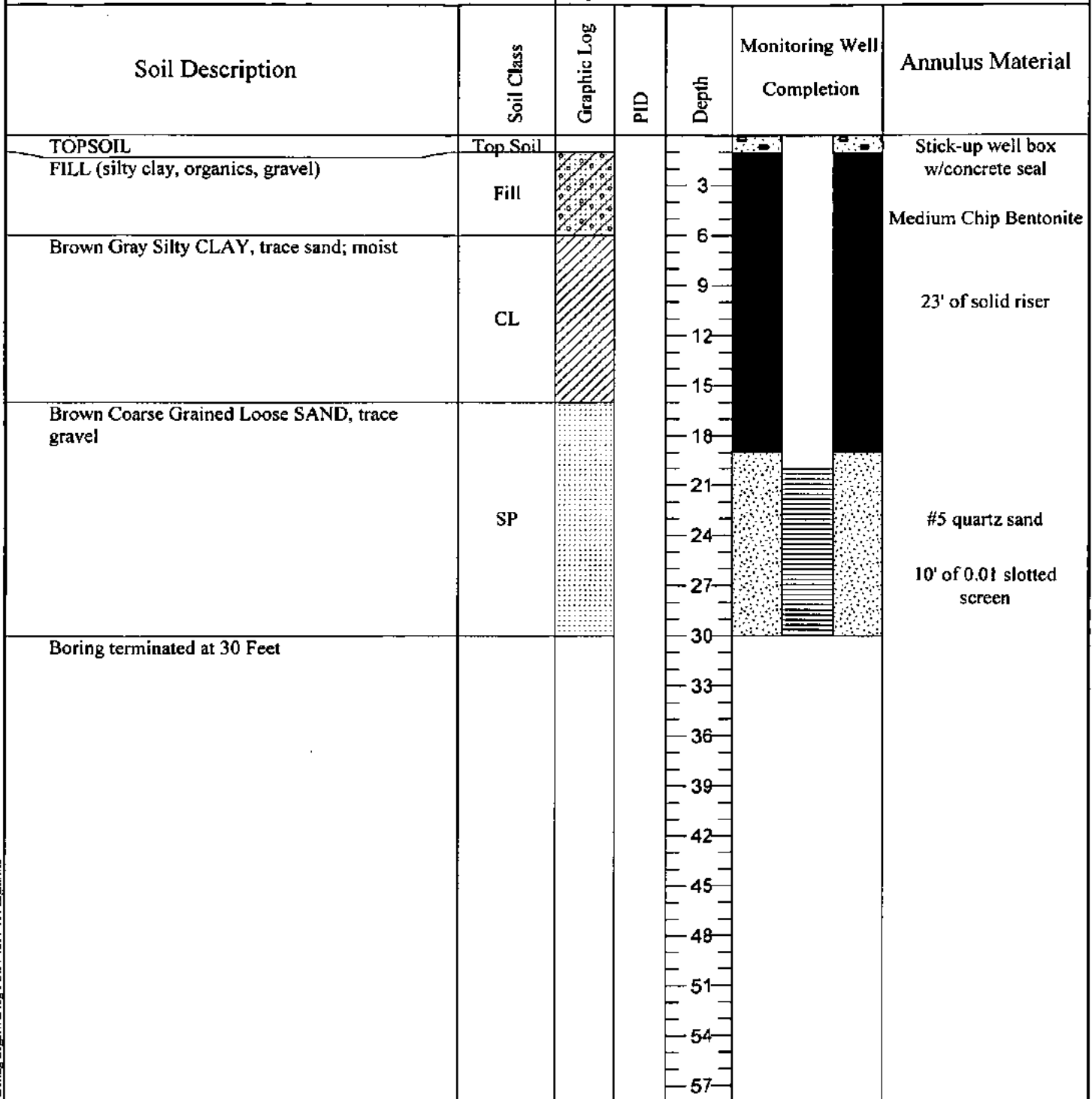
Groundwater Monitoring Well Completion Diagram

Groundwater Monitoring Well ID:
MW-1

Site:

Southwest Corner of Route 20 and Route 31
Elgin, IL

Project Number:	04-1211-101	Top of inner casing:	Feet
Geologist:	Tom Schwartzers	Ground elevation:	N/A Feet
Date Drilled:	7/30/2004	Total Depth of Borehole:	30 Feet
Borehole Diameter:	Inches	Depth to Water:	25 Feet



E:\User Files\Boring Logs\MW1.log PC004-1211-101 Elgin.w12

Notes:



Groundwater Monitoring Well Completion Diagram

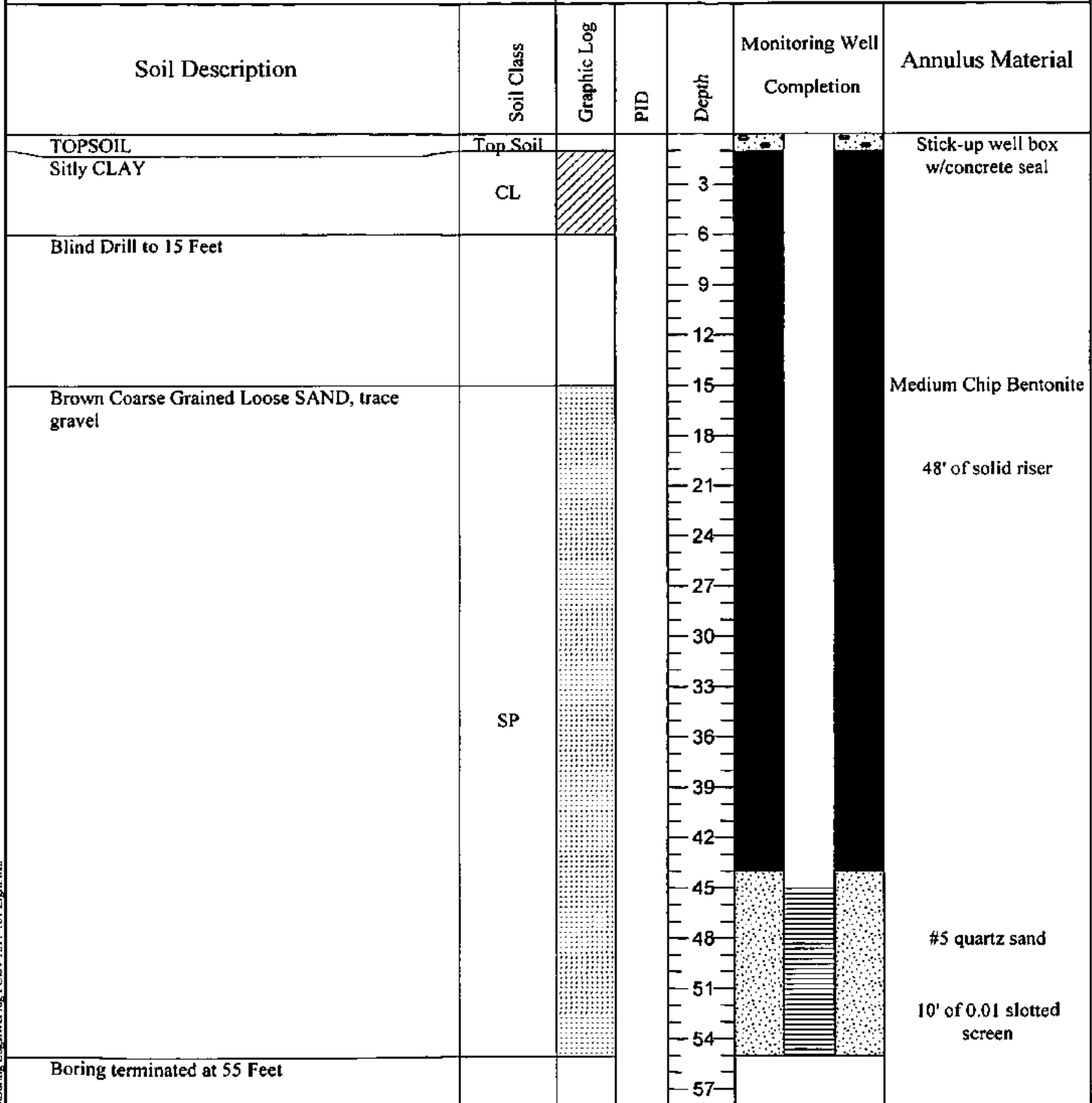
Groundwater Monitoring Well ID:

MW-2

Site:

Southwest Corner of Route 20 and Route 31
Elgin, IL

Project Number:	04-1211-101	Top of inner casing:	Feet
Geologist:	Tom Schwartzers	Ground elevation:	N/A Feet
Date Drilled:	7/30/2004	Total Depth of Borehole:	55 Feet
Borehole Diameter:	Inches	Depth to Water:	50 Feet



E:\User Files\Boring Logs\Well Log_PC04-1211-101_Elgin.w2

Notes:



Engineering &
Environmental
Services, Inc.

Groundwater Monitoring Well Completion Diagram

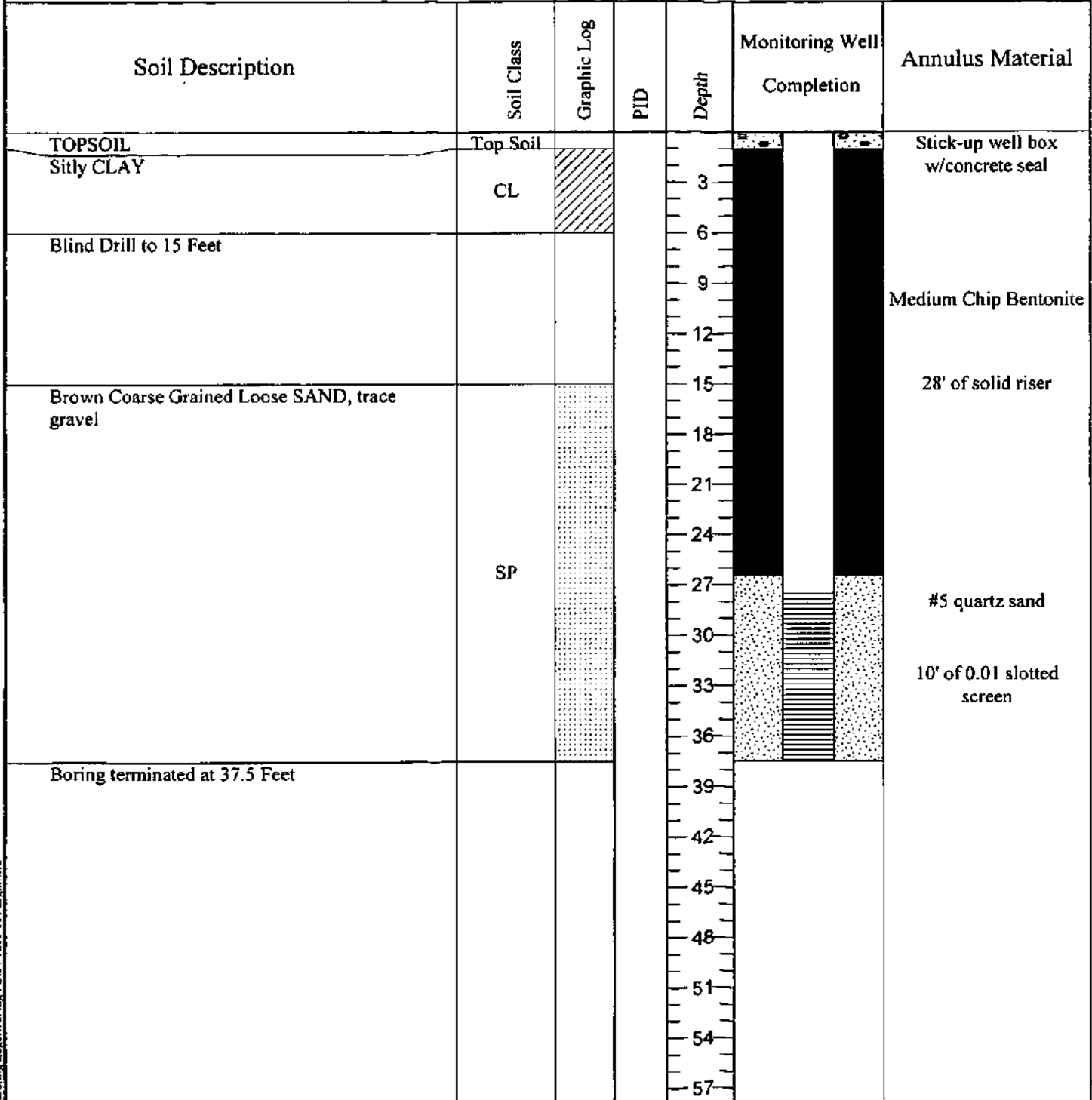
Site:

Southwest Corner of Route 20 and Route 31
Elgin, IL

Groundwater Monitoring Well ID:

MW-3

Project Number:	04-1211-101	Top of inner casing:	Feet
Geologist:	Tom Schwartzers	Ground elevation:	N/A Feet
Date Drilled:	8/25/2004	Total Depth of Borehole:	37.5 Feet
Borehole Diameter:	Inches	Depth to Water:	25 Feet



E:\User Files\Boring_Logs\Wet Log_PC04-1211-101_Elgin.w2

Notes:



Engineering &
Environmental
Services, Inc.

Groundwater Monitoring Well Completion Diagram

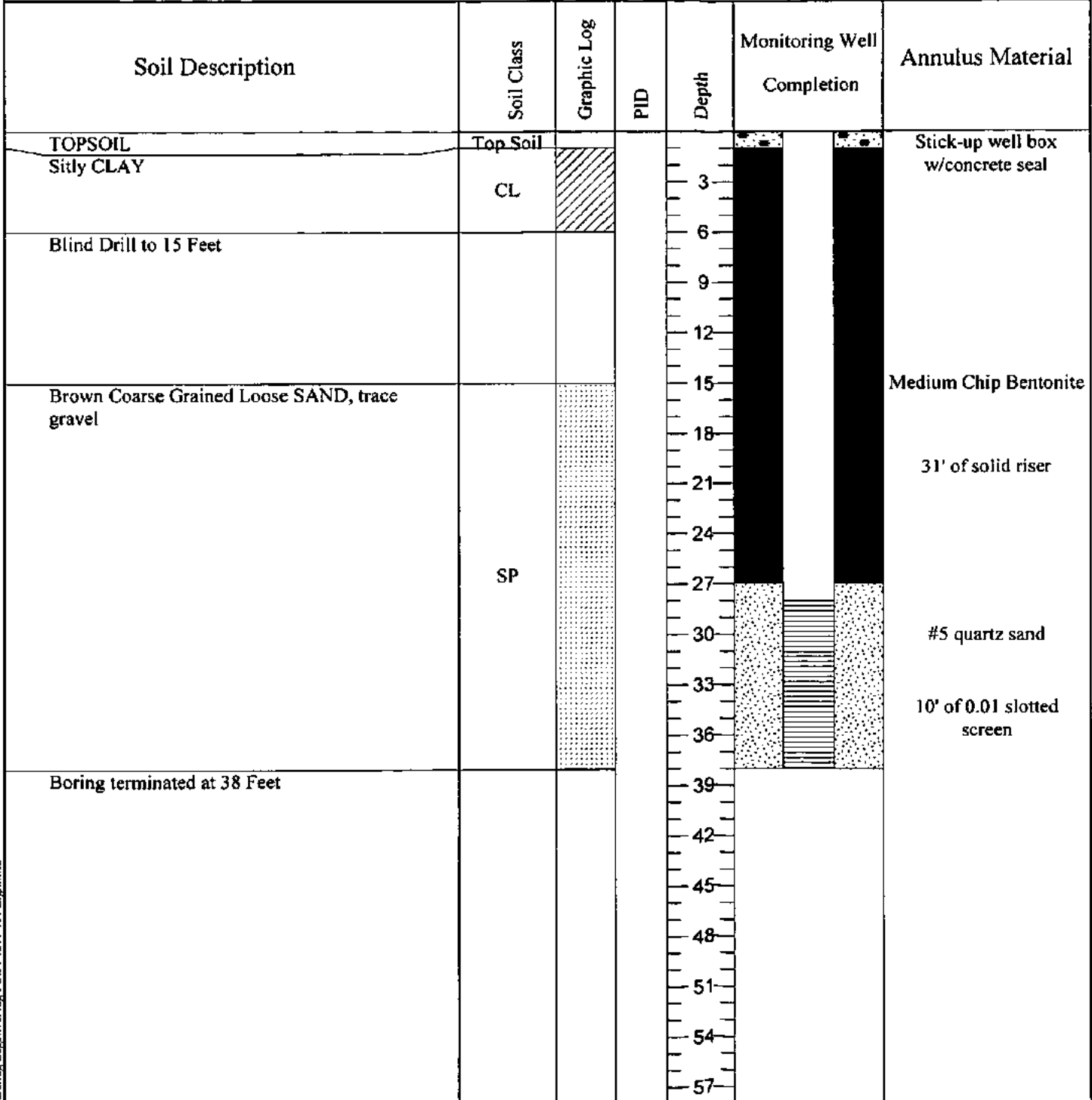
Site:

Southwest Corner of Route 20 and Route 31
Elgin, IL

Groundwater Monitoring Well ID:

MW-4

Project Number:	04-1211-101	Top of inner casing:	Feet
Geologist:	Tom Schwartzers	Ground elevation:	N/A Feet
Date Drilled:	8/25/2004	Total Depth of Borehole:	38 Feet
Borehole Diameter:	Inches	Depth to Water:	30 Feet



E:\User Files\Boring Logs\Wal Log PC04-1211-101 Elgin.wf2

Notes:



Engineering &
Environmental
Services, Inc.

Groundwater Monitoring Well Completion Diagram

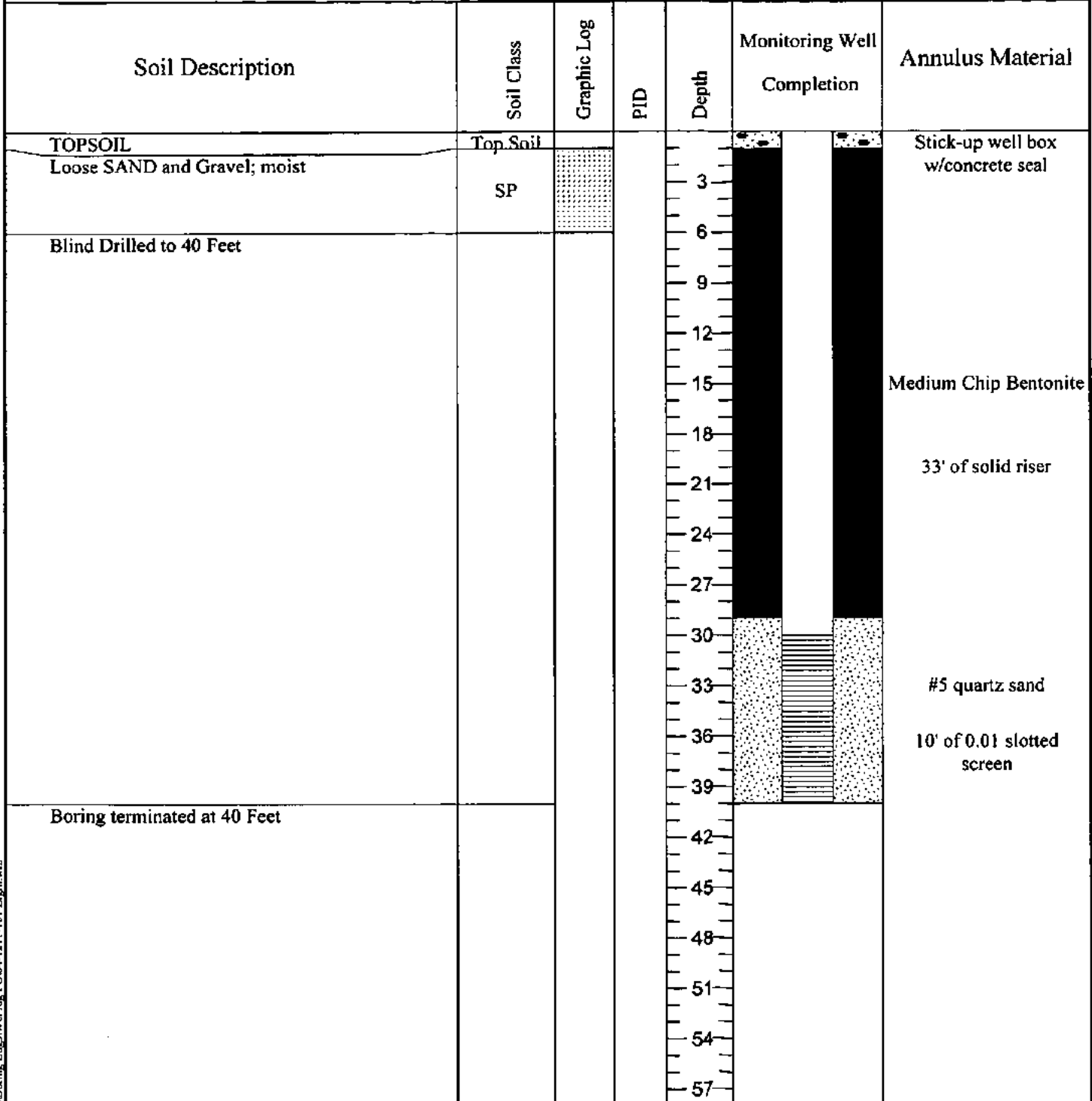
Site:

Southwest Corner of Route 20 and Route 31
Elgin, IL

Groundwater Monitoring Well ID:

MW-5

Project Number:	04-1211-101	Top of inner casing:	Feet
Geologist:	Tom Schwartzers	Ground elevation:	N/A Feet
Date Drilled:	8/25/2004	Total Depth of Borehole:	40 Feet
Borehole Diameter:	Inches	Depth to Water:	38 Feet



E:\User Files\Boring Logs\Well Log_PC004-1211-101_Elgin.w12

Notes:

2000 Census Population Compared to 1990: Illinois Municipalities

Source: Census 2000 Redistricting Data Summary File, PL 94-171

Municipality	2000 Census		1990 Census ¹		1990-2000		1990-2000	
	Total Pop	Rank	Total Pop	Rank	Change	Rank	% Change	Rank
Donnellson village	243	1131	167	1196	76	500	45.5%	99
Donovan village	351	1030	361	1008	(10)	881	-2.8%	949
Dorchester village	142	1229	145	1221	(3)	834	-2.1%	919
Dover village	172	1202	163	1202	9	750	5.5%	563
Dowell village	441	967	465	933	(24)	976	-5.2%	1052
Downers Grove village	48,724	28	46,858	23	1,866	126	4.0%	623
Downs village	776	768	620	827	156	390	25.2%	189
Du Bois village	222	1155	216	1150	6	769	2.8%	672
Dunfermlin village	262	1100	259	1108	3	785	1.2%	753
Duntap village	926	714	851	717	75	503	8.8%	425
Dupo village	3,933	363	3,164	381	769	211	24.3%	196
Du Quoin city	6,448	273	6,697	246	(249)	1243	-3.7%	989
Durand village	1,081	660	1,100	637	(19)	947	-1.7%	899
Dwight village	4,363	346	4,230	327	133	406	3.1%	660
Eagarville village	128	1246	127	1245	1	805	0.8%	774
Earlville city	1,778	527	1,435	556	343	292	23.9%	199
East Alton village	6,830	258	7,063	236	(233)	1240	-3.3%	973
East Brooklyn village	123	1254	80	1273	43	573	53.8%	80
East Cape Girardeau village	437	989	451	947	(14)	909	-3.1%	961
East Carondelet village	267	1092	630	823	(363)	1265	-57.6%	1297
East Dubuque city	1,995	502	1,914	479	81	487	4.2%	616
East Dundee village	2,955	418	2,721	411	234	344	8.6%	431
East Galesburg village	839	739	813	736	26	646	3.2%	657
East Gillespie village	234	1142	205	1167	29	633	14.1%	300
East Hazel Crest village	1,607	546	1,570	533	37	598	2.4%	688
East Moline city	20,333	111	20,147	92	186	367	0.9%	766
Easton village	373	1011	351	1017	22	668	6.3%	536
East Peoria city	22,638	93	21,378	83	1,260	167	5.9%	546
East St. Louis city	31,542	58	40,944	29	(9,402)	1302	-23.0%	1261
Eddyville village	153	1218	151	1213	2	793	1.3%	745
Edgewood village	527	906	502	907	25	651	5.0%	585
Edinburg village	1,135	648	982	675	153	393	15.6%	265
Edwardsville city	21,491	100	14,579	133	6,912	33	47.4%	92
Effingham city	12,384	178	11,851	160	533	252	4.5%	603
Elburn village	2,756	435	1,275	589	1,481	151	116.2%	21
El Dara village	89	1285	94	1267	(5)	850	-5.3%	1058
Eldorado city	4,534	338	4,536	310	(2)	819	0.0%	815
Eldred village	211	1168	254	1115	(43)	1075	-16.9%	1235
Elgin city	94,487	8	77,010	8	17,477	8	22.7%	210
Elizabeth village	682	816	641	818	41	580	6.4%	528
Elizabethtown village	348	1031	427	957	(79)	1155	-18.5%	1243
Elk Grove Village village	34,727	50	33,429	47	1,298	164	3.9%	629
Elkhart village	443	966	475	924	(32)	1028	-6.7%	1099
Elkville village	1,001	687	958	683	43	570	4.5%	604
Elliott village	341	1037	309	1054	32	616	10.4%	372
Ellis Grove village	381	1005	353	1016	28	642	7.9%	460
Ellisville village	87	1287	116	1257	(29)	1014	-25.0%	1269
Ellsworth village	271	1085	224	1141	47	562	21.0%	219
Elmhurst city	42,762	33	42,029	28	733	218	1.7%	714
Elmwood city	1,945	507	1,841	488	104	445	5.6%	559
Elmwood Park village	25,405	79	23,206	75	2,199	106	9.5%	402
El Paso city	2,695	441	2,499	434	196	366	7.8%	464
Elsah village	635	834	851	719	(216)	1237	-25.4%	1272
Elvaston village	152	1220	198	1176	(46)	1088	-23.2%	1263
Etwood village	1,620	545	951	685	669	226	70.3%	51
Emden village	515	914	459	937	56	540	12.2%	334
Emington village	120	1256	135	1229	(15)	917	-11.1%	1184
Energy village	1,175	640	1,106	635	69	515	6.2%	537
Enfield village	625	844	683	795	(58)	1115	-8.5%	1143
Equality village	721	798	748	770	(27)	994	-3.6%	983
Erle village	1,589	548	1,572	532	17	695	1.1%	761
Essex village	554	895	482	918	72	511	14.9%	293
Eureka city	4,871	324	4,435	314	436	276	9.8%	390



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 - (217) 782-3397
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 - (312) 814-6026

ROD R. BLAGOJEVICH, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

217/524-3290

February 7, 2007

7004 2510 0001 8616 2258

James Nicketta
John B. Sanfilipo & Son, Inc.
2299 Busse Road
Elk Grove Village, IL 60007

Re: LPC# 0894385115 - Kane County
Elgin/Elgin Mental Health Center
Site Remediation/Technical Reports

Dear Mr. Nicketta:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the *Response to IEPA Comments Letter*, dated May 23, 2006 (Log No. 06-29728), prepared by Pioneer Engineering & Environmental Services, Inc. for the Elgin Mental Health Center Site Remediation Project located at 750 South State Street, Elgin, IL. The document listed above and, by extension, the *Site Investigation Report - Comprehensive, Remediation Objectives Report & Remedial Action Completion Report* dated November 28, 2005 (Illinois EPA Log# 05-27410), have been conditionally approved with the following comment.

- 1. A draft No Further Remediation letter (NFR) is attached for your review and comment. The Illinois EPA will issue final approval of the *Remedial Action Completion Report* and issue a final NFR letter once any changes or comments to the NFR letter have been received.

If you have any questions I may be contacted at the address or telephone number above.

Sincerely,

Andrew M. Catlin, L.P.G.
Project Manager
Voluntary Site Remediation Unit
Remedial Project Management Section
Division of Remediation Management
Bureau of Land

RELEASABLE

JUN 15 2007

REVIEWER MD

**cc: Dakota Prentice
Pioneer Engineering and Environmental Services, Inc.
700 North Sacramento Boulevard, Suite 101
Chicago, IL 60612**

bcc: Bureau of Land

Attachment: Draft NFR Letter

(217) 782-6761

DATE

CERTIFIED MAIL

Mr. James Nicketta
John B. Sanfilippo & Son, Inc.
2299 Busse Road
Elk Grove Village, IL 60007

DRAFT

Re: 0894385115/Kane
Elgin/Elgin Mental Health Center
Site Remediation Program/Technical Reports

Dear Mr. Nicketta:

NOTICE: Remedial actions are not completed at this remediation site, and this draft No Further Remediation Letter does not release any person from further responsibility for remedial actions at the site in accordance with Section 58.10 of the Act. The terms and conditions contained in this draft No Further Remediation Letter are merely those proposed for inclusion in a final No Further Remediation Letter that may be issued by the Illinois Environmental Protection Agency. Until a final No Further Remediation Letter for this site is perfected as required under Illinois law (415 ILCS 58.7), the Illinois Environmental Protection Agency fully reserves its authority to take removal or remedial actions at the site in accordance with Section 4(s) of the Act and to seek recovery for remedial action costs incurred by the State of Illinois from all persons considered liable under Section 22.2(f) of the Act.

The Site Investigation Report - Comprehensive, Remedial Objectives Report & Remedial Action Completion Report (November 28, 2005/Log Number 05-27410), as prepared by Pioneer Engineering & Environmental Services, Inc. for the above referenced Remediation Site, has been reviewed by the Illinois Environmental Protection Agency ("Illinois EPA") and demonstrates that the remedial action was completed in accordance with 35 Illinois Administrative Code Parts 740 and 742.

The Remediation Site, consisting of approximately 87.81 acres, is located at 750 South State Street, Elgin, Illinois. Pursuant to Section 58.10 of the Illinois Environmental Protection Act ("Act") (415 ILCS 5/1 et seq.), your request for a no further remediation determination is granted under the conditions and terms specified in this letter. The Remediation Applicant, as identified on the Illinois EPA's Site Remediation Program DRM-1 Form received November 28, 2005 is Mr. James Nicketta.

DRAFT

This comprehensive No Further Remediation Letter ("Letter") signifies a release from further responsibilities under the Act for the performance of the approved remedial action. This Letter shall be considered prima facie evidence that the Remediation Site described in the attached Illinois EPA Site Remediation Program Environmental Notice and shown in the attached Site Base Map does not constitute a threat to human health and the environment and does not require further remediation under the Act if utilized in accordance with the terms and conditions of this Letter.

Conditions and Terms of Approval

Level of Remediation and Land Use Limitations

DRAFT

- 1) The land use specified in this Letter may be revised if:
 - a) Further investigation or remedial action has been conducted that documents the attainment of objectives appropriate for the new land use.
 - b) A new Letter is obtained and recorded in accordance with Title XVII of the Act and regulations adopted thereunder.
- 2) The Remediation Site is restricted to Industrial/Commercial land use.

Institutional Controls:

- 3) No person shall construct, install, maintain, or operate a well at the Remediation Site. All water supplies and water services for the Remediation Site must be obtained from a public water supply system. The provisions of this institutional control shall be applicable to all water usage (e.g., domestic, industrial/commercial uses and outdoor watering).

Other Terms

- 4) Where the Remediation Applicant is not the sole owner of the Remediation Site, the Remediation Applicant shall complete the attached *Property Owner Certification of the No Further Remediation Letter under the Site Remediation Program* Form. This certification, by original signature of each property owner, or the authorized agent of the owner(s), of the Remediation Site or any portion thereof who is not a Remediation Applicant shall be recorded along with this Letter.
- 5) Further information regarding this Remediation Site can be obtained through a written request under the Freedom of Information Act (5 ILCS 140) to:

Illinois Environmental Protection Agency
Attn: Freedom of Information Act Officer
Bureau of Land-#24
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

- 6) Pursuant to Section 58.10(f) of the Act (415 ILCS 5/58.10(f)), should the Illinois EPA seek to void this Letter, the Illinois EPA shall provide notice to the current titleholder and to the Remediation Applicant at the last known address. The notice shall specify the cause for the voidance, explain the provisions for appeal, and describe the facts in support of this cause. Specific acts or omissions that may result in the voidance of the Letter under Sections 58.10(e)(1)-(7) of the Act (415 ILCS 5/58.10(e)(1)-(7)) include, but shall not be limited to:
 - a) Any violation of institutional controls or the designated land use restrictions;
 - b) The failure to operate and maintain preventive or engineering controls or to comply with any applicable groundwater monitoring plan;

- c) The disturbance or removal of contamination that has been left in-place in accordance with the Remedial Action Plan. Access to soil contamination may be allowed if, during and after any access, public health and the environment are protected consistent with the Remedial Action Plan;
 - d) The failure to comply with the recording requirements for this Letter;
 - e) Obtaining the Letter by fraud or misrepresentation;
 - f) Subsequent discovery of contaminants, not identified as part of the investigative or remedial activities upon which the issuance of the Letter was based, that pose a threat to human health or the environment;
 - g) The failure to pay the No Further Remediation Assessment Fee within forty-five (45) days after receiving a request for payment from the Illinois EPA;
 - h) The failure to pay in full the applicable fees under the Review and Evaluation Services Agreement within forty-five (45) days after receiving a request for payment from the Illinois EPA.
- 7) Pursuant to Section 58.10(d) of the Act, this Letter shall apply in favor of the following persons:
- a) Mr. James Nicketta;
 - b) The owner and operator of the Remediation Site;
 - c) Any parent corporation or subsidiary of the owner of the Remediation Site;
 - d) Any co-owner, either by joint-tenancy, right of survivorship, or any other party sharing a relationship with the owner of the Remediation Site;
 - e) Any holder of a beneficial interest of a land trust or inter vivos trust, whether revocable or irrevocable, involving the Remediation Site;
 - f) Any mortgagee or trustee of a deed of trust of the owner of the Remediation Site or any assignee, transferee, or any successor-in-interest thereto;
 - g) Any successor-in-interest of the owner of the Remediation Site;
 - h) Any transferee of the owner of the Remediation Site whether the transfer was by sale, bankruptcy proceeding, partition, dissolution of marriage, settlement or adjudication of any civil action, charitable gift, or bequest;
 - i) Any heir or devisee of the owner of the Remediation Site;

DRAFT

cc: City of Elgin
City Manager Olufemi Folarin
150 Dexter Court
Elgin, IL 60120-5555

DRAFT

Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 North Sacramento Boulevard
Suite 101
Chicago, IL 60612

PREPARED BY:

Name: Mr. James Nicketta
John B. Sanfilippo & Son, Inc.

Address: 2299 Busse Road
Elk Grove Village, IL 60007

RETURN TO:

Name: Mr. James Nicketta
John B. Sanfilippo & Son, Inc.

Address: 2299 Busse Road
Elk Grove Village, IL 60007

DRAFT

THE ABOVE SPACE FOR RECORDER'S OFFICE

The remediation applicant must submit this Environmental No Further Remediation Letter within 45 days of its receipt, to the Office of the Recorder of Kane County.

Illinois State-EPA Number: 0894385115

Mr. James Nicketta, the Remediation Applicant, whose address is 2299 Busse Road, Elk Grove Village, IL 60007 has performed investigative and/or remedial activities for the remediation site depicted on the attached Site Base Map and identified by the following:

1. Legal description or Reference to a Plat Showing the Boundaries:

THAT PART OF THE SOUTHEAST QUARTER OF SECTION 23, TOWNSHIP 41 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE INTERSECTION OF THE WEST LINE OF THE AFORESAID SOUTHEAST QUARTER OF SECTION 23 WITH THE SOUTHERLY RIGHT OF WAY LINE OF THE U.S. ROUTE 20 BY-PASS; THENCE SOUTH 00 DEGREES 09 MINUTES 40 SECONDS WEST, ALONG AFORESAID WEST LINE OF THE SOUTHEAST QUARTER, A DISTANCE OF 797.77 FEET FOR THE POINT OF BEGINNING, THENCE SOUTH 86 DEGREES 33 MINUTES 51 SECONDS EAST A DISTANCE OF 564.68 FEET; THENCE NORTH 03 DEGREES 31 MINUTES 48 SECONDS EAST, A DISTANCE OF 820.00 FEET TO THE AFORESAID SOUTHERLY RIGHT OF WAY LINE OF U.S. ROUTE 20 BY-PASS; THENCE SOUTH 88 DEGREES 46 MINUTES 03 SECONDS EAST, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 1123.09 FEET; THENCE SOUTHEASTERLY, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, BEING ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 959.76 FEET, CHORD BEARING OF SOUTH 72 DEGREES 47 MINUTES 03 SECONDS EAST, AN ARC DISTANCE OF 208.78 FEET; THENCE SOUTH 66 DEGREES 33 MINUTES 09 SECONDS EAST, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, TANGENT TO THE LAST DESCRIBED CURVE, A DISTANCE OF 4.20 FEET; THENCE SOUTHEASTERLY, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, BEING A CURVE TO THE LEFT, HAVING A RADIUS OF 3029.48 FEET, CHORD BEARING OF SOUTH 70 DEGREES 50 MINUTES 57 SECONDS EAST, AN ARC DISTANCE OF 454.37 FEET TO THE WESTERLY RIGHT OF WAY LINE OF STATE ROUTE NO. 31; THENCE SOUTH 00 DEGREES 42 MINUTES 08 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 188.74 FEET; THENCE SOUTH 05 DEGREES 17 MINUTES 58 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 601.06 FEET; THENCE SOUTHWESTERLY, ALONG SAID WESTERLY RIGHT OF WAY LINE, BEING ALONG A CUREVE TO THE RIGHT, HAVING A RADIUS OF 3241.17 FEET, CHORD BEARING OF SOUTH 11 DEGREES 18 MINUTES 04

(Illinois EPA Site Remediation Program Environmental Notice)

SECONDS WEST, AN ARC DSITANCE OF 679.01 FEET; THENCE SOUTH 21 DEGREES 43 MINUTES 17 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 96.27 FEET; THENCE SOTH 20 DEGREES 14 MINUTES 40 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 68.38 FEET TO A JOG IN SAID WESTERLY LINE; THENCE NORTH 69 DEGREES 35 MINUTES 38 SECONDS WEST, ALONG SAID JOG, A DISTANCE OF 30.00 FEET; THENCE SOUTH 20 DEGREES 14 MINUTES 40 SECONDS WEST ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 20.00 FEET TO A JOG IN SAID WESTERLY RIGHT OF WAY LINE; THENCE SOUTH 69 DEGREES 35 MINUTES 38 SECONDS EAST, ALONG SAID JOG, A DISTANCE OF 30.00 FEET; THENCE SOUTH 20 DEGREES 14 MINUTES 40 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 95.40 FEET; THENCE SOUTH 40 DEGREES 51 MINUTES 13 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE A DISTANCE OF 49.38 FEET; THENCE SOUTH 65 DEGREES 11 MINUTES 41 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 27.00 FEET; THENCE SOUTH 22 DEGREES 31 MINUTES 54 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE A DISTANCE OF 107.73 FEET; THENCE SOUTH 28 DEGREES 49 MINUTES 52 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 32.11 FEET; THENCE NORTH 84 DEGREES 37 MINUTES 06 SECONDS WEST, A DISTANCE OF 1110.23 FEET TO A POINT HEREAFTER REFERRED TO AS POINT "A"; THENCE CONTINUING NORTH 84 DEGREES 37 MINUTES 06 SECONDS WEST A DISTANCE OF 557.75 FEET; THENCE NORTH 86 DEGREES 41 MINUTES 37 SECONDS WEST, A DISTANCE OF 344.06 FEET TO THE AFORESAID WEST LINE OF THE SOUTHEAST QUARTER OF SECTION 23; THENCE NORTH 00 DEGREES 09 MINUTES 40 SECONDS EAST, ALONG SAID WEST LINE, A DISTANCE OF 1165.55 FEET TO THE POINT OF BEGINNING, EXCEPTING THEREFROM THAT PART OF AFORESAID SOUTHEAST QUARTER OF SECTION 23 DESCRIBED AS FOLLOWS: COMMENCING AT THE AFORESAID POINT "A"; THENCE NORTH 05 DEGREES 22 MINUTES 54 SECONDS EAST, A DISTANCE OF 422.29 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 78.58 FEET FOR THE POINT OF BEGINNING OF EXCEPTION; THENCE NORTH 79 DEGREES 01 MINUTES 05 SECONDS WEST, ALONG THE LAST DESCRIBED COURSE AND SAID LINE EXTENDED WESTERLY, A DISTANCE OF 461.30 FEET; THENCE NORTH 10 DEGREES 58 MINUTES 55 SECONDS EAST, A DISTANCE OF 394.97 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 357.62 FEET; THENCE SOUTH 10 DEGREES 58 MINUTES 55 SECONDS WEST, A DISTANCE OF 284.28 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 103.68 FEET; THENCE SOUTH 10 DEGREES 58 MINUTES 55 SECONDS WEST, A DISTANCE OF 110.70 FEET TO THE POINT OF BEGINNING, CONTAINING 90.00 ACRES MORE OR LESS. ALSO A 66 FOOT WIDE INGRESS, EGRESS, AND UTILILITY EASEMENT OVER THAT PART OF AFORESAID SOUTHEAST QUARTER OF SECTION 23 DESCRIBED AS FOLLOWS: BEGINNING AT AFORESAID POINT "A"; THENCE NORTH 05 DEGREES 22 MINUTES 54 SECONDS EAST, A DISTANCE OF 422.29 FEET; THENCE NORTH 79 DEGREES 01 MINUTES 05 SECONDS WEST, A DISTANCE OF 428.76 FEET TO THE INTERSECTION WITH A LINE THAT BEARS NORTH 86 DEGREES 41 MINUTES 37 SECONDS EAST, ALONG SAID LINE, A DISTANCE OF 66.00 FEET TO THE POINT OF BEGINNING OF SAID EASEMENT. SITUATED IN THE CITY OF ELGIN, KANE COUNTY, ILLINOIS AND CONTAINING 90.00 ACRES MORE OR LESS.

2. Common Address: 750 South State Street, Elgin, IL
3. Real Estate Tax Index/Parcel Index Numbers: 06-23-400-002
06-23-400-010
4. Remediation Site Owner: Olufemi Folarin
5. Land Use: Industrial/Commercial
6. Site Investigation: Comprehensive

DRAFT

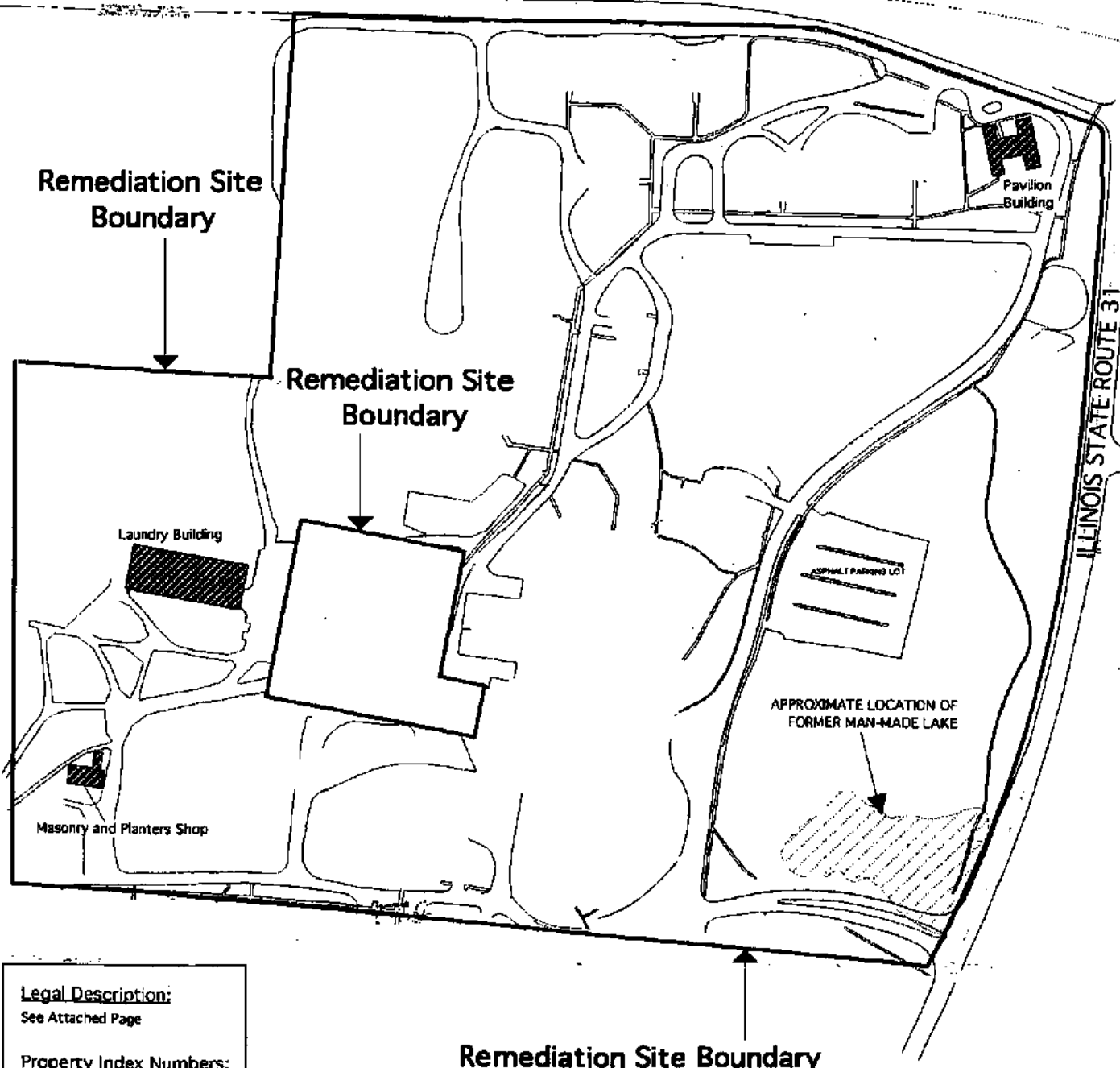
Site Base Map
0894385115/Kane
Elgin/Elgin Mental Health Center
Site Remediation Program



DRAFT

Figure 4: Site Base Map SWC of Route 20 and Route 31 Elgin, IL	
Scale:	1" = 350'
Drawn by:	Anatolij Strangar
Job No.:	04-1211-101
Date:	November 2005
Checked by:	J. McClelland
PIONEER Engineering & Environmental Services, Inc.	

U.S. ROUTE 20



Legal Description:
See Attached Page

Property Index Numbers:
See Attached Page

Remediation Site Boundary

**PROPERTY OWNER CERTIFICATION OF THE NFR LETTER
UNDER THE SITE REMEDIATION PROGRAM**

Where the Remediation Applicant (RA) is not the sole owner of the remediation site, the RA shall obtain the certification by original signature of each owner, or authorized agent of the owner(s), of the remediation site or any portion thereof who is not an RA. The property owner(s), or the duly authorized agent of the owner(s) must certify, by original signature, the statement appearing below. This certification shall be recorded in accordance with Illinois Administrative Code 740.620.

Include the full legal name, title, the company, the street address, the city, the state, the ZIP code, and the telephone number of all other property owners. Include the site name, street address, city, ZIP code, county, Illinois inventory identification number and real estate tax index/parcel index number.

A duly authorized agent means a person who is authorized by written consent or by law to act on behalf of a property owner including, but not limited to:

1. For corporations, a principal executive officer of at least the level of vice-president;
2. For a sole proprietorship or partnership, the proprietor or a general partner, respectively; and
3. For a municipality, state or other public agency, the head of the agency or ranking elected official.

For multiple property owners, attach additional sheets containing the information described above, along with a signed, dated certification for each. All property owner certifications must be recorded along with the attached NFR letter.

Property Owner Information	
Owner's Name:	_____
Title:	_____
Company:	_____
Street Address:	_____
City:	State: _____ Zip Code: _____ Phone: _____
Site Information	
Site Name:	_____
Site Address:	_____
City:	State: _____ Zip Code: _____ County: _____
Illinois inventory identification number:	_____
Real Estate Tax Index/Parcel Index No.	_____
I hereby certify that I have reviewed the attached No Further Remediation Letter and that I accept the terms and conditions and any land use limitations set forth in the letter.	
Owner's Signature:	Date: _____
SUBSCRIBED AND SWORN TO BEFORE ME this _____ day of _____, 20____	
_____ Notary Public	

The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/58 - 58.12 of the Environmental Protection Act and regulations promulgated thereunder. If the Remediation Applicant is not also the sole owner of the remediation site, this form must be completed by all owners of the remediation site and recorded with the NFR Letter. Failure to do so may void the NFR Letter. This form has been approved by the Forms Management Center. All information submitted to the Site Remediation Program is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines.

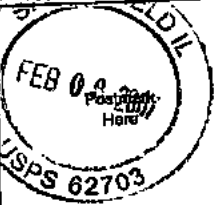
8522 9199 1000 0152 4004 7004

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James Nicketta
 John B. Sanfilipo & Son, Inc.
 2299 Busse Road
 Elk Grove Village, IL 60007

PS Form 3800, June 2007. See back for instructions

07-33269

PIONEER
Engineering & Environmental Services, Inc.

700 N Sacramento Blvd Suite 101
Chicago IL 60612
Phone: 773-722-9200 - Fax: 773-722-9201
www.pioneerEES.com

March 30, 2007

0894385115
Elgin Mental Health
Center
SR Tech

Illinois Environmental Protection Agency
Bureau of Land
Remedial Project Management Section
Voluntary Site Remediation Unit B
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276
Attn: Andrew Catlin

RE: 0894385115 - Kane County
Elgin/Elgin Mental Health Center
Final NFR Letter Request
Pioneer Project No: 05-1080-103

ORIGINAL

Dear Mr. Catlin:

Pioneer received the IEPA's comment and Draft NFR letter, dated February 7, 2007. Based on Pioneer's review and that of the Remediation Applicant, James Nicketta, Pioneer requests on behalf of the Remediation Applicant that the final NFR letter be issued without any changes from the draft.

Please contact me at (773) 722-9200 if you have any questions.

Sincerely,
PIONEER ENGINEERING &
ENVIRONMENTAL SERVICES, INC.



Dakota Prentice
Project Manager

RELEASEABLE

APR 17 2007

REVIEWER MD

RECEIVED

APR 06 2007

IEPA/BOL

Site Remediation Program Project Summary

LPC# 0894385115 - Kane County
Elgin/Elgin Mental Health
Site Remediation/Technical Reports

Date: April 18, 2007

1. Reason for Participation in the SRP (e.g., property transfer pending, Illinois determination on remediation activity conducted at the site, Brownfields, etc.), description of recognized environmental conditions and related contaminants of concern at the site, site history, and assurances sought from the Illinois EPA (e.g., comprehensive NFR letter, focused NFR letter, or 4(y) letter):

The remedial applicant is seeking a comprehensive NFR letter for the approximately 88 acre Remediation Site. Since about 1872, with construction of the administration building, the site has been occupied by a Mental Health Hospital. Prior to the hospital the site was occupied by agricultural farmland and associated homesteads. Future plans include redevelopment of the site for industrial/commercial use.

RECs associated with the site include the following:

- A manmade lake was constructed for storage of water for fire protection in 1886. This lake was filled in the early 1900s with fill material from an unknown source.
 - The administration building was found to have had coal fired boilers and coal storage.
 - An oil house and a disinfecting house were located in the northwest portion of the site.
 - The historic presence of ASTs and USTs containing heating oil, diesel fuel and gasoline.
 - One gasoline and one diesel UST that were still in use at the site.
 - The historic presence of PCB containing transformers at the site.
 - The site has a current laundry building and historical laundry building.
 - 55-gallon drums of waste chloroethylene observed at the site. These drums were associated with the laundries.
2. Site Description (i.e., description of the regional location and land uses of the surrounding areas adjacent to the remediation site):

The site is rectangular in shape and is approximately 87.81 acres in size. There is an area of about 3.62 acres located in the south-central portion of the site that is not included in the Remediation Site Boundary and was not investigated. The site is located at the southwest corner of Route 20 and Route 31 in Elgin, Ill. It is bounded by Middle Road to the south, Route 20 to the North, Route 31 to the east and extends 1,700 to 2,000 feet west along a stepped property line. There are three remaining structures on-site. The balance of the structures historically located on the site were demolished in the early 1990s. The area is zoned as Planned Office Research Industrial (PORI) District.

The surrounding land use was noted as follows. To the north are single-family residential dwellings. There is one single-family residence, a state of Illinois Regional Office Building and undeveloped wooded land to the east. South of the site is Middle Road and the remaining portion of the Elgin Mental Health Facility not being entered in the program. Westerly of the site is the Larkin Center Rankow Campus (school) and undeveloped wooded land. The nearest surface water is the Fox River approximately 1000 feet east-southeast of the site.

RELEASABLE

APR 26 2007

3. Groundwater Class and general geology:

Regional Geology:

The ISGS map dated 1984 and title "Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Wastes" was reviewed by the consultant and described the area as "A2" type soils. A2 is described as thick permeable sand and gravel within 20 feet of the land surface.

Site Geology:

Site specific geology consists of brown silt or silty clay with trace sand and gravel from below the topsoil to 6 to 12 feet below ground surface. Underlying the silt and silty clay is medium to course grained sand and gravel to the maximum extent of the borings (40 ft bgs). Boring logs are found in Appendix C of the *Site Investigation Report-Comprehensive, Remediation Objectives Report and Remedial Action Completion Report* (November 28, 2005/Illinois EPA Log# 05-27410).

Groundwater:

Five groundwater-monitoring wells were installed at the site. Depths to groundwater ranged from approximately 26 feet to 49 feet below ground surface. The well elevations were surveyed and the apparent groundwater flow direction was determined to be in an easterly direction with a gradient of 0.006 ft/ft. Slug tests were not completed on the monitoring wells. However, based on the sandy and gravel soils it is expected the groundwater would meet Class I criteria.

4. Description of how the remediation objectives meet the Tiered Approach to Corrective Action Objectives ("TACO") criteria (35 Ill. Adm. Code 742):

Exceedences of the soil component of groundwater and groundwater Tier I remediation objectives were addressed through the development of Tier II objectives which rely on the use of an on-site groundwater use restriction. There were no soil ingestion or soil inhalation Tier I remediation objective exceedences identified on-site (PNA area background numbers were implemented).

5. Remedial Action(s) performed:

Approximately 12.3 tons of remnant coal was excavated and removed from the site.

6. Applicable Engineered Barriers and Institutional Controls proposed/implemented:

An Industrial/Commercial land use restrictions and an on-site groundwater use restriction will be put in place on-site.

7. Post-remediation requirements: NA

8. Other environmental determinations or actions: NA

9. Other services requested by the RA under the SRP: NA

10. Services provided by the Review and Evaluation Licensed Professional Engineer ("RELPE"): NA



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 - (217) 782-3397
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 - (312) 814-6026

(217) 782-6761 ROD R. BLACOJEVICH, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

April 25, 2007

CERTIFIED MAIL

7004 2510 0001 8615 7346

Mr. James Nicketta
John B. Sanfilippo & Son, Inc.
2299 Busse Road
Elk Grove Village, IL 60007

RELEASABLE

MAY 11 2007

Re: 0894385115/Kane
Elgin/Elgin Mental Health Center
Site Remediation Program/Technical Reports

REVIEWER MD

Dear Mr. Nicketta:

The *Site Investigation Report - Comprehensive, Remedial Objectives Report & Remedial Action Completion Report* (November 28, 2005/Log Number 05-27410), as prepared by Pioneer Engineering & Environmental Services, Inc. for the above referenced Remediation Site, has been reviewed by the Illinois Environmental Protection Agency ("Illinois EPA") and demonstrates that the remedial action was completed in accordance with 35 Illinois Administrative Code Parts 740 and 742.

The Remediation Site, consisting of approximately 87.81 acres, is located at 750 South State Street, Elgin, Illinois. Pursuant to Section 58.10 of the Illinois Environmental Protection Act ("Act") (415 ILCS 5/1 et seq.), your request for a no further remediation determination is granted under the conditions and terms specified in this letter. The Remediation Applicant, as identified on the Illinois EPA's Site Remediation Program DRM-1 Form received November 28, 2005 is Mr. James Nicketta.

This comprehensive No Further Remediation Letter ("Letter") signifies a release from further responsibilities under the Act for the performance of the approved remedial action. This Letter shall be considered prima facie evidence that the Remediation Site described in the attached Illinois EPA Site Remediation Program Environmental Notice and shown in the attached Site Base Map does not constitute a threat to human health and the environment and does not require further remediation under the Act if utilized in accordance with the terms and conditions of this Letter.

Conditions and Terms of Approval

Level of Remediation and Land Use Limitations

- 1) The land use specified in this Letter may be revised if:
 - a) Further investigation or remedial action has been conducted that documents the attainment of objectives appropriate for the new land use.
 - b) A new Letter is obtained and recorded in accordance with Title XVII of the Act and regulations adopted thereunder.
- 2) The Remediation Site is restricted to Industrial/Commercial land use.

Institutional Controls:

- 3) No person shall construct, install, maintain, or operate a well at the Remediation Site. All water supplies and water services for the Remediation Site must be obtained from a public water supply system. The provisions of this institutional control shall be applicable to all water usage (e.g., domestic, industrial/commercial uses and outdoor watering).

Other Terms

- 4) Where the Remediation Applicant is not the sole owner of the Remediation Site, the Remediation Applicant shall complete the attached *Property Owner Certification of the No Further Remediation Letter under the Site Remediation Program Form*. This certification, by original signature of each property owner, or the authorized agent of the owner(s), of the Remediation Site or any portion thereof who is not a Remediation Applicant shall be recorded along with this Letter.
- 5) Further information regarding this Remediation Site can be obtained through a written request under the Freedom of Information Act (5 ILCS 140) to:

Illinois Environmental Protection Agency
Attn: Freedom of Information Act Officer
Bureau of Land-#24
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

- 6) Pursuant to Section 58.10(f) of the Act (415 ILCS 5/58.10(f)), should the Illinois EPA seek to void this Letter, the Illinois EPA shall provide notice to the current titleholder and to the Remediation Applicant at the last known address. The notice shall specify the cause for the voidance, explain the provisions for appeal, and describe the facts in support of this cause. Specific acts or omissions that may result in the voidance of the Letter under Sections 58.10(e)(1)-(7) of the Act (415 ILCS 5/~~58~~.10(e)(1)-(7)) include, but shall not be limited to:
 - a) Any violation of institutional controls or the designated land use restrictions;
 - b) The failure to operate and maintain preventive or engineering controls or to comply with any applicable groundwater monitoring plan;

- c) The disturbance or removal of contamination that has been left in-place in accordance with the Remedial Action Plan. Access to soil contamination may be allowed if, during and after any access, public health and the environment are protected consistent with the Remedial Action Plan;
 - d) The failure to comply with the recording requirements for this Letter;
 - e) Obtaining the Letter by fraud or misrepresentation;
 - f) Subsequent discovery of contaminants, not identified as part of the investigative or remedial activities upon which the issuance of the Letter was based, that pose a threat to human health or the environment;
 - g) The failure to pay the No Further Remediation Assessment Fee within forty-five (45) days after receiving a request for payment from the Illinois EPA;
 - h) The failure to pay in full the applicable fees under the Review and Evaluation Services Agreement within forty-five (45) days after receiving a request for payment from the Illinois EPA.
- 7) Pursuant to Section 58.10(d) of the Act, this Letter shall apply in favor of the following persons:
- a) Mr. James Nicketta;
 - b) The owner and operator of the Remediation Site;
 - c) Any parent corporation or subsidiary of the owner of the Remediation Site;
 - d) Any co-owner, either by joint-tenancy, right of survivorship, or any other party sharing a relationship with the owner of the Remediation Site;
 - e) Any holder of a beneficial interest of a land trust or inter vivos trust, whether revocable or irrevocable, involving the Remediation Site;
 - f) Any mortgagee or trustee of a deed of trust of the owner of the Remediation Site or any assignee, transferee, or any successor-in-interest thereto;
 - g) Any successor-in-interest of the owner of the Remediation Site;
 - h) Any transferee of the owner of the Remediation Site whether the transfer was by sale, bankruptcy proceeding, partition, dissolution of marriage, settlement or adjudication of any civil action, charitable gift, or bequest;
 - i) Any heir or devisee of the owner of the Remediation Site;

cc: City of Elgin
City Manager Olufemi Folarin
150 Dexter Court
Elgin, IL 60120-5555

Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 North Sacramento Boulevard
Suite 101
Chicago, IL 60612

PREPARED BY:

Name: Mr. James Nicketta
John B. Sanfilippo & Son, Inc.

Address: 2299 Busse Road
Elk Grove Village, IL 60007

RETURN TO:

Name: Mr. James Nicketta
John B. Sanfilippo & Son, Inc.

Address: 2299 Busse Road
Elk Grove Village, IL 60007

THE ABOVE SPACE FOR RECORDER'S OFFICE

The remediation applicant must submit this Environmental No Further Remediation Letter within 45 days of its receipt, to the Office of the Recorder of Kane County.

Illinois State EPA Number: 0894385115

Mr. James Nicketta, the Remediation Applicant, whose address is 2299 Busse Road, Elk Grove Village, IL 60007 has performed investigative and/or remedial activities for the remediation site depicted on the attached Site Base Map and identified by the following:

1. Legal description or Reference to a Plat Showing the Boundaries:

THAT PART OF THE SOUTHEAST QUARTER OF SECTION 23, TOWNSHIP 41 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE INTERSECTION OF THE WEST LINE OF THE AFORESAID SOUTHEAST QUARTER OF SECTION 23 WITH THE SOUTHERLY RIGHT OF WAY LINE OF THE U.S. ROUTE 20 BY-PASS; THENCE SOUTH 00 DEGREES 09 MINUTES 40 SECONDS WEST, ALONG AFORESAID WEST LINE OF THE SOUTHEAST QUARTER, A DISTANCE OF 797.77 FEET FOR THE POINT OF BEGINNING, THENCE SOUTH 86 DEGREES 33 MINUTES 51 SECONDS EAST A DISTANCE OF 564.68 FEET; THENCE NORTH 03 DEGREES 31 MINUTES 48 SECONDS EAST, A DISTANCE OF 820.00 FEET TO THE AFORESAID SOUTHERLY RIGHT OF WAY LINE OF U.S. ROUTE 20 BY-PASS; THENCE SOUTH 88 DEGREES 46 MINUTES 03 SECONDS EAST, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 1123.09 FEET; THENCE SOUTHEASTERLY, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, BEING ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 959.76 FEET, CHORD BEARING OF SOUTH 72 DEGREES 47 MINUTES 03 SECONDS EAST, AN ARC DISTANCE OF 208.78 FEET; THENCE SOUTH 66 DEGREES 33 MINUTES 09 SECONDS EAST, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, TANGENT TO THE LAST DESCRIBED CURVE, A DISTANCE OF 4.20 FEET; THENCE SOUTHEASTERLY, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, BEING A CURVE TO THE LEFT, HAVING A RADIUS OF 3029.48 FEET, CHORD BEARING OF SOUTH 70 DEGREES 50 MINUTES 57 SECONDS EAST, AN ARC DISTANCE OF 454.37 FEET TO THE WESTERLY RIGHT OF WAY LINE OF STATE ROUTE NO. 31; THENCE SOUTH 00 DEGREES 42 MINUTES 08 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 188.74 FEET; THENCE SOUTH 05 DEGREES 17 MINUTES 58 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 601.06 FEET; THENCE SOUTHWESTERLY, ALONG SAID WESTERLY RIGHT OF WAY LINE, BEING ALONG A CUREVE TO THE RIGHT, HAVING A RADIUS OF 3241.17 FEET, CHORD BEARING OF SOUTH 11 DEGREES 18 MINUTES 04

(Illinois EPA Site Remediation Program Environmental Notice)

SECONDS WEST, AN ARC DISTANCE OF 679.01 FEET; THENCE SOUTH 21 DEGREES 43 MINUTES 17 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 96.27 FEET; THENCE SOUTH 20 DEGREES 14 MINUTES 40 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 68.38 FEET TO A JOG IN SAID WESTERLY LINE; THENCE NORTH 69 DEGREES 35 MINUTES 38 SECONDS WEST, ALONG SAID JOG, A DISTANCE OF 30.00 FEET; THENCE SOUTH 20 DEGREES 14 MINUTES 40 SECONDS WEST ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 20.00 FEET TO A JOG IN SAID WESTERLY RIGHT OF WAY LINE; THENCE SOUTH 69 DEGREES 35 MINUTES 38 SECONDS EAST, ALONG SAID JOG, A DISTANCE OF 30.00 FEET; THENCE SOUTH 20 DEGREES 14 MINUTES 40 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 95.40 FEET; THENCE SOUTH 40 DEGREES 51 MINUTES 13 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE A DISTANCE OF 49.38 FEET; THENCE SOUTH 65 DEGREES 11 MINUTES 41 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 27.00 FEET; THENCE SOUTH 22 DEGREES 31 MINUTES 54 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE A DISTANCE OF 107.73 FEET; THENCE SOUTH 28 DEGREES 49 MINUTES 52 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 32.11 FEET; THENCE NORTH 84 DEGREES 37 MINUTES 06 SECONDS WEST, A DISTANCE OF 1110.23 FEET TO A POINT HEREAFTER REFERRED TO AS POINT "A"; THENCE CONTINUING NORTH 84 DEGREES 37 MINUTES 06 SECONDS WEST A DISTANCE OF 557.75 FEET; THENCE NORTH 86 DEGREES 41 MINUTES 37 SECONDS WEST, A DISTANCE OF 344.06 FEET TO THE AFORESAID WEST LINE OF THE SOUTHEAST QUARTER OF SECTION 23; THENCE NORTH 00 DEGREES 09 MINUTES 40 SECONDS EAST, ALONG SAID WEST LINE, A DISTANCE OF 1165.55 FEET TO THE POINT OF BEGINNING, EXCEPTING THEREFROM THAT PART OF AFORESAID SOUTHEAST QUARTER OF SECTION 23 DESCRIBED AS FOLLOWS: COMMENCING AT THE AFORESAID POINT "A"; THENCE NORTH 05 DEGREES 22 MINUTES 54 SECONDS EAST, A DISTANCE OF 422.29 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 78.58 FEET FOR THE POINT OF BEGINNING OF EXCEPTION; THENCE NORTH 79 DEGREES 01 MINUTES 05 SECONDS WEST, ALONG THE LAST DESCRIBED COURSE AND SAID LINE EXTENDED WESTERLY, A DISTANCE OF 461.30 FEET; THENCE NORTH 10 DEGREES 58 MINUTES 55 SECONDS EAST, A DISTANCE OF 394.97 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 357.62 FEET; THENCE SOUTH 10 DEGREES 58 MINUTES 55 SECONDS WEST, A DISTANCE OF 284.28 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 103.68 FEET; THENCE SOUTH 10 DEGREES 58 MINUTES 55 SECONDS WEST, A DISTANCE OF 110.70 FEET TO THE POINT OF BEGINNING, CONTAINING 90.00 ACRES MORE OR LESS. ALSO A 66 FOOT WIDE INGRESS, EGRESS, AND UTILITY EASEMENT OVER THAT PART OF AFORESAID SOUTHEAST QUARTER OF SECTION 23 DESCRIBED AS FOLLOWS: BEGINNING AT AFORESAID POINT "A"; THENCE NORTH 05 DEGREES 22 MINUTES 54 SECONDS EAST, A DISTANCE OF 422.29 FEET; THENCE NORTH 79 DEGREES 01 MINUTES 05 SECONDS WEST, A DISTANCE OF 428.76 FEET TO THE INTERSECTION WITH A LINE THAT BEARS NORTH 86 DEGREES 41 MINUTES 37 SECONDS EAST, ALONG SAID LINE, A DISTANCE OF 66.00 FEET TO THE POINT OF BEGINNING OF SAID EASEMENT. SITUATED IN THE CITY OF ELGIN, KANE COUNTY, ILLINOIS AND CONTAINING 90.00 ACRES MORE OR LESS.

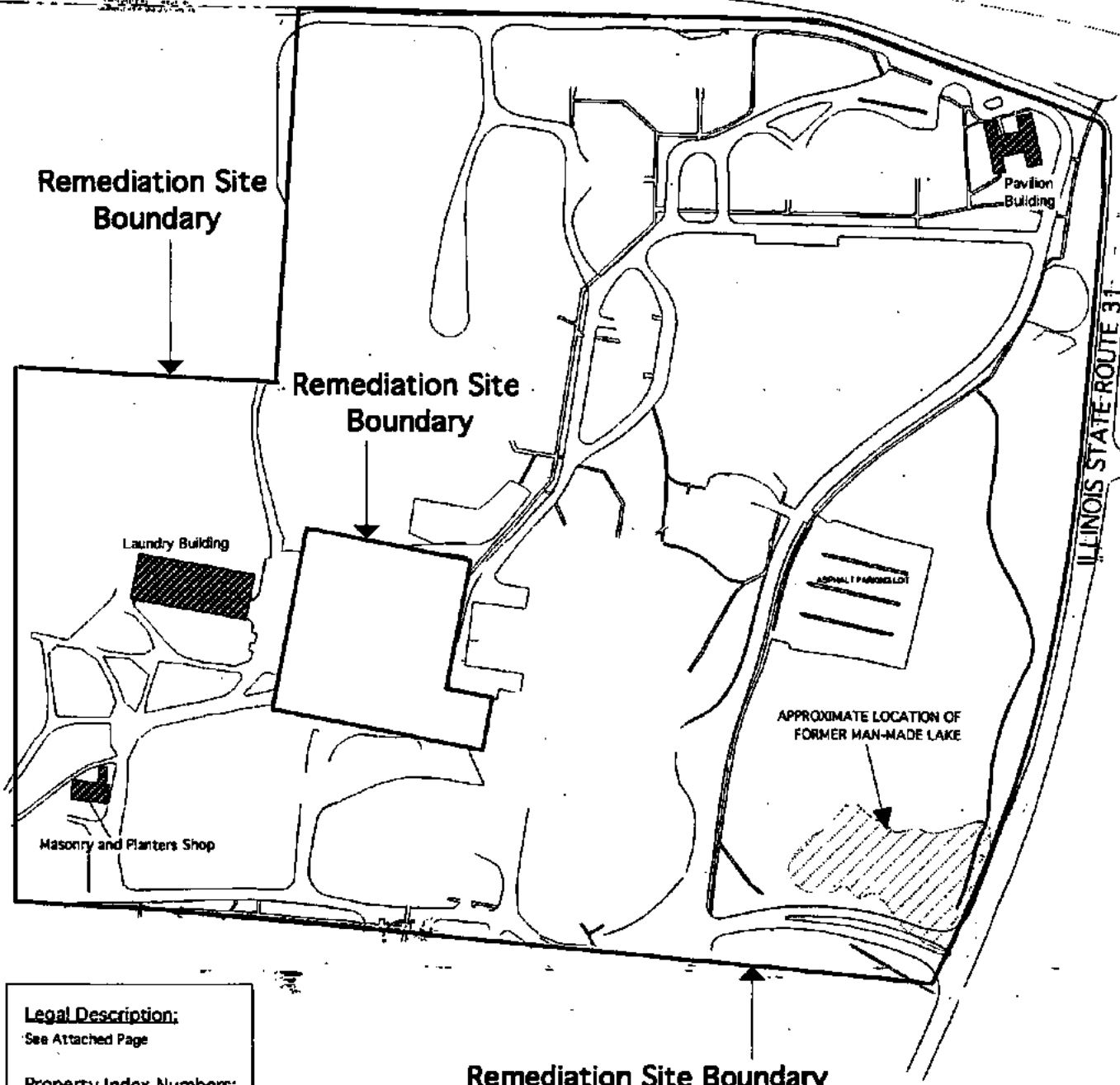
2. Common Address: 750 South State Street, Elgin, IL
3. Real Estate Tax Index/Parcel Index Numbers: 06-23-400-002
06-23-400-010
4. Remediation Site Owner: City of Elgin
5. Land Use: Industrial/Commercial
6. Site Investigation: Comprehensive

**Site Base Map
0894385115/Kane
Elgin/Elgin Mental Health Center
Site Remediation Program**



Figure 4: Site Base Map SWC of Route 20 and Route 31 Elgin, IL	
Scale:	1" = 350'
Drawn by:	Anatoli Strangar
Job No.:	04-1211-101
Date:	November 2004
Checked by:	J. McClelland
PIONEER Engineering & Environment Services, Inc.	

U.S. ROUTE 20



Legal Description:
See Attached Page

Property Index Numbers:
See Attached Page

Remediation Site Boundary

**PROPERTY OWNER CERTIFICATION OF THE NFR LETTER
UNDER THE SITE REMEDIATION PROGRAM**

Where the Remediation Applicant (RA) is not the sole owner of the remediation site, the RA shall obtain the certification by original signature of each owner, or authorized agent of the owner(s), of the remediation site or any portion thereof who is not an RA. The property owner(s), or the duly authorized agent of the owner(s) must certify, by original signature, the statement appearing below. This certification shall be recorded in accordance with Illinois Administrative Code 740.620.

Include the full legal name, title, the company, the street address, the city, the state, the ZIP code, and the telephone number of all other property owners. Include the site name, street address, city, ZIP code, county, Illinois inventory identification number and real estate tax index/parcel index number.

A duly authorized agent means a person who is authorized by written consent or by law to act on behalf of a property owner including, but not limited to:

1. For corporations, a principal executive officer of at least the level of vice-president;
2. For a sole proprietorship or partnership, the proprietor or a general partner, respectively; and
3. For a municipality, state or other public agency, the head of the agency or ranking elected official.

For multiple property owners, attach additional sheets containing the information described above, along with a signed, dated certification for each. All property owner certifications must be recorded along with the attached NFR letter.

Property Owner Information	
Owner's Name: _____	
Title: _____	
Company: _____	
Street Address: _____	
City: _____	State: _____ Zip Code: _____ Phone: _____
Site Information	
Site Name: _____	
Site Address: _____	
City: _____	State: _____ Zip Code: _____ County: _____
Illinois inventory identification number: _____	
Real Estate Tax Index/Parcel Index No. _____	
<p>I hereby certify that I have reviewed the attached No Further Remediation Letter and that I accept the terms and conditions and any land use limitations set forth in the letter.</p>	
Owner's Signature: _____	Date: _____
SUBSCRIBED AND SWORN TO BEFORE ME this _____ day of _____, 20__	
_____ Notary Public	

The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/58 - 58.12 of the Environmental Protection Act and regulations promulgated thereunder. If the Remediation Applicant is not also the sole owner of the remediation site, this form must be completed by all owners of the remediation site and recorded with the NFR Letter. Failure to do so may void the NFR Letter. This form has been approved by the Forms Management Center. All information submitted to the Site Remediation Program is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines.

Notice to Remediation Applicant

Please follow these instructions when filing the NFR letter with the County Recorder's Office

Instructions for Filing the NFR Letter

The following documents must be filed:

- A. Body of the NFR Letter (contains appropriate terms and conditions, tables, etc.)
 - B. Attachments to NFR letter
 - Illinois EPA Site Remediation Program Environmental Notice (Legal Description and PIN of property)
 - Maps of the site
 - Table A: Regulated Substances of Concern (if applicable.)
 - Property Owner Certification
 - C. A copy of the ordinance, if applicable, used to address groundwater contamination
1. Place the Illinois EPA Site Remediation Program Environmental Notice on top of the NFR prior to giving it to the Recorder.
 2. If you are not the owner (record title holder) of the property on the date of filing of this NFR, you must attach a **completed** owner's certification form signed by the owner of the property at the time of filing (e.g., if the property recently sold, the new owner must sign).
 3. If any of the terms and conditions of the NFR letter references a groundwater ordinance, you must record a copy of the groundwater ordinance with the NFR letter.
 4. If any of the terms and conditions of the NFR letter references a highway agreement, you must record the highway agreement if specifically required by the municipality granting the agreement.
 5. Within thirty (30) days of this NFR Letter being recorded by the Office of the Recorder of the County in which the property is located, a certified copy of this Letter, as recorded, shall be obtained and submitted to the Illinois EPA to:

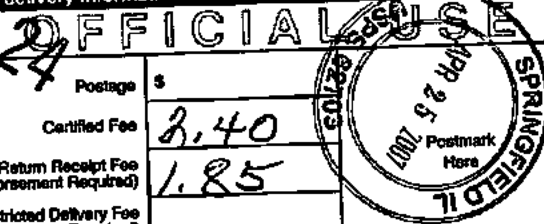
Robert E. O'Hara
Illinois Environmental Protection Agency
Bureau of Land/RPMS
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276
 6. **Remove this page from the NFR letter, prior to recording.**

If you have any questions call (217) 782-6761 and speak with the "project manager on-call" in the Site Remediation Program.

7004 2510 0001 8615 7346

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Restricted Delivery Fee (Endorsement Required)	
TOTAL	

Mr. James Nicketta
 John B. Sanfilippo & Son, Inc.
 2299 Busse Road
 Elk Grove Village, IL 60007

089438515 Kame Co

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mail piece or on the front if space permits.

1. Article Addressed to:

Mr. James Nicketta
 John B. Sanfilippo & Son, Inc.
 2299 Busse Road
 Elk Grove Village, IL 60007

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Tronica Pittman*

B. Received by (Printed Name)

C. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below

3. Service Type
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 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number
 (Transfer from service label) 7004 2510 0001 8615 7346

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Illinois Environmental Protection Agency

P.O. Box 19276 Mail Code #

24

Springfield, IL 62794-9276



Right-to-Know Evaluation

The Bureau of Land site identified above has been reviewed. A check mark next to any one of the following criteria indicates further evaluation of the site is necessary.

Criteria:

- Contaminated soil has been measured off-site to exceed the appropriate Tier 1 remediation objectives based on the current use of the off-site property. For purposes of this procedure, soils beneath publicly owned roadways should not be considered off-site when making this determination; or
- Groundwater contamination is measured or modeled to exceed, within the setback zone or regulated recharge area of a potable Community Water Supply (CWS) well, or setback zone of a private well or non-CWS well, either TACO Tier 1 groundwater remediation objectives under Part 742, Appendix B, Table E or Class I groundwater standards under Part 620, whichever is applicable to the BOL program with lead responsibility for the site; or
- Groundwater contamination from a site for which a BOL program has lead responsibility is measured in a well used as a drinking water supply; or
- Evidence of a release of liquids or dumping of waste in either such quantities or with such toxic leaching potential that off site groundwater contamination is suspected; or
- Waste management sites (e.g. regulated landfills) with groundwater monitoring programs that are in corrective action; or
- Other site specific information regarding the release, such as site geology allowing excessive movement of contaminants or the presence of non-aqueous phase liquids (free product) in groundwater, that may increase the potential threat to humans; or
- BOL refers a matter to the Division of Legal Counsel for enforcement under Section 43(a) of the Act; or
- BOL refers a site to the Division of Legal Counsel for issuance of a seal order under Section 34(a) of the Act; or
- The Agency, U.S. EPA, or a third party under Agency or U.S. EPA oversight performs an immediate removal under federal CERCLA, as amended

Comments:

- One of the above criteria has been met and the above-identified site must be further evaluated.
- None of the above criteria have been met and the above-identified site does not warrant any further evaluation.

Project Manager Signature: Andrew Cotton

Date of Review:

RELEASABLE

APR 25 2007

RELEASABLE



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 - (217) 782-3397
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 - (312) 814-6026

217/782-6760

ROD R. BLAGOJEVICH, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

July 24, 2007

Certified Mail

7007 0220 0000 0040 8077

James Nicketta
John B. Sanfilippo & Son, Inc.
2299 Busse Road
Elk Grove Village, IL 60007

Re: ~~08/433115 - Kato Garage~~
Elgin/Elgin Mental Health Center
Site Remediation/Technical Reports

RELEASABLE

AUG 08 2007

REVIEWER MD

Dear Mr. Nicketta:

On April 25, 2007, the Illinois Environmental Protection Agency ("Illinois EPA") issued to you as the Remediation Applicant of record a No Further Remediation Letter for the above referenced site pursuant to Section 58.10 of the Environmental Protection Act ("Act") and implementing regulations found at 35 Illinois Administrative Code Part 740, Subpart F. Please be advised that Section 58.8 of the Act requires that a Remediation Applicant receiving a No Further Remediation Letter submit the Letter to the Office of Recorder or Registrar of Titles of the county in which the site is located within 45 days of receipt of the Letter. Otherwise, the No Further Remediation Letter is not effective.

Additionally, 35 Illinois Administrative Code Part 740.620(b) requires a Remediation Applicant receiving a No Further Remediation Letter to provide to the Illinois EPA within 30 days after recordation a copy of the Letter and property owner certification. Failure to provide the Illinois EPA with a copy of the Letter as recorded constitutes an omission which may result in voidance of the Letter pursuant to 35 Illinois Administrative Code 740.625(a)(4).

Our records indicate that, as of this date, the Illinois EPA has not received the required copy of the April 25, 2007 No Further Remediation Letter. Therefore, the Illinois EPA requests that you provide the required copy of the No Further Remediation Letter as recorded within 30 days of the date of this letter to the following address:

ROCKFORD - 4302 North Main Street, Rockford, IL 61103 - (815) 987-7760 • DES PLAINES - 9511 W. Harrison St., Des Plaines, IL 60016 - (847) 294-4000
ELGIN - 595 South State, Elgin, IL 60123 - (847) 608-3131 • PEORIA - 5415 N. University St., Peoria, IL 61614 - (309) 693-5463
BUREAU OF LAND - PEORIA - 7620 N. University St., Peoria, IL 61614 - (309) 693-5462 • CHAMPAIGN - 2125 South First Street, Champaign, IL 61820 - (217) 278-5800
SPRINGFIELD - 4500 S. Sixth Street Rd., Springfield, IL 62706 - (217) 786-6892 • COLLINSVILLE - 2009 Mall Street, Collinsville, IL 62234 - (618) 346-5120
MARION - 2309 W. Main St., Suite 116, Marion, IL 62959 - (618) 993-7200

Illinois Environmental Protection Agency
Bureau of Land
Remedial Project Management Section
Site Remediation Program
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

If the required copy of the No Further Remediation Letter as recorded is not received by this office by the date requested, the Illinois EPA may seek to void the Letter. If you have already mailed the copy, have any questions or need any assistance in this matter, please contact Robert O'Hara of my staff at the above address or at 217/524-5533.

Sincerely,



Rick D. Lucas, P.E., Manager
Voluntary Site Remediation Unit
Remedial Project Management Section
Bureau of Land

cc: Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 North Sacramento Boulevard
Suite 101
Chicago, IL, 60612-


bcc: Division File
Andrew Catlin
Bob O'Hara

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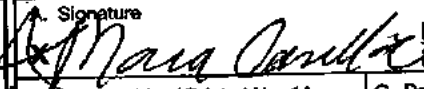
Sent To: **James Nicketta**
John B. Sanfilippo & Son, Inc
 Street, Ap or PO Box: **2299 Busse Road**
 City, State: **Elk Grove Village, IL 60007**

Instructions

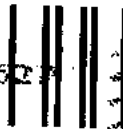
PS Form

7007 0220 0000 0040 8077

089438 5115

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. <p>1. Article Addressed to:</p> <p style="text-align: center; margin-left: 40px;">James Nicketta John B. Sanfilippo & Son, Inc 2299 Busse Road Elk Grove Village, IL 60007</p> <p>2. Article Number <i>(Transfer from service label)</i></p>	<p>A. Signature </p> <p>B. Received by (Printed Name) MARIA CASILLAS</p> <p>C. Date of Delivery 7/28/07</p> <p>D. Is Delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>7007 0220 0000 0040 8077</p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

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Illinois Environmental Protection Agency

P.O. Box 19276 Mail Code #

Springfield, IL 62794-9276



**STAHL
COWEN
CROWLEY LLC**

ATTORNEYS AT LAW

55 WEST MONROE STREET SUITE 1200 CHICAGO, ILLINOIS 60603-5001 312 641 0060 FAX 312 641 6959

07-34644

0894385115
Elgin Mental
Health Center
SR/tech

RAYMOND H. PRUCHNICKI
rpruchnicki@stahlcowen.com
Direct Dial: (312) 377-7866
Direct Fax: (312) 423-8183

August 2, 2007

Via FedEx

Robert E. O'Hara
Illinois Environmental Protection Agency
Bureau of Land/RPMS
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Re: Illinois State EPA Number 0894385115/Kane

Dear Mr. O'Hare:

Enclosed please find a certified copy of the above-referenced No Further Remediation Letter.

Very truly yours,

STAHL COWEN CROWLEY LLC

Raymond H. Pruchnicki

Enclosure

cc: Chuck Nicketta (via e-mail w/o enclosure)
Lauane Addis (via e-mail w/o enclosure)

RECEIVED

AUG 03 2007

IEPA/BOL

RELEASABLE

AUG 03 2007

REVIEWER MD



PREPARED BY:

Name: Mr. James Nicketta
John B. Sanfilippo & Son, Inc.

2007K059392

Address: 2299 Busse Road
Elk Grove Village, IL 60007

SANDY WEGMAN
RECORDER - KANE COUNTY, IL

RECORDED: 6/5/2007 2:01 PM
REC FEE: 30.00 ANSPS FEE: 10.00
PAGES: 9

RETURN TO:

Name: Mr. James Nicketta
John B. Sanfilippo & Son, Inc.

Address: 2299 Busse Road
Elk Grove Village, IL 60007

*pdj
fern* Stahl Cower Crowley LLC
55 W. Monroe St. Ste. 1200
Chicago, IL 60603

THE ABOVE SPACE FOR RECORDER'S OFFICE

The remediation applicant must submit this Environmental No Further Remediation Letter within 45 days of its receipt, to the Office of the Recorder of Kane County.

Illinois State EPA Number: 0894385115

Mr. James Nicketta, the Remediation Applicant, whose address is 2299 Busse Road, Elk Grove Village, IL 60007 has performed investigative and/or remedial activities for the remediation site depicted on the attached Site Base Map and identified by the following:

1. Legal description or Reference to a Plat Showing the Boundaries:

THAT PART OF THE SOUTHEAST QUARTER OF SECTION 23, TOWNSHIP 41 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE INTERSECTION OF THE WEST LINE OF THE AFORESAID SOUTHEAST QUARTER OF SECTION 23 WITH THE SOUTHERLY RIGHT OF WAY LINE OF THE U.S. ROUTE 20 BY-PASS; THENCE SOUTH 00 DEGREES 09 MINUTES 40 SECONDS WEST, ALONG AFORESAID WEST LINE OF THE SOUTHEAST QUARTER, A DISTANCE OF 797.77 FEET FOR THE POINT OF BEGINNING, THENCE SOUTH 86 DEGREES 33 MINUTES 51 SECONDS EAST A DISTANCE OF 564.68 FEET; THENCE NORTH 03 DEGREES 31 MINUTES 48 SECONDS EAST, A DISTANCE OF 820.00 FEET TO THE AFORESAID SOUTHERLY RIGHT OF WAY LINE OF U.S. ROUTE 20 BY-PASS; THENCE SOUTH 88 DEGREES 46 MINUTES 03 SECONDS EAST, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 1123.09 FEET; THENCE SOUTHEASTERLY, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, BEING ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 959.76 FEET, CHORD BEARING OF SOUTH 72 DEGREES 47 MINUTES 03 SECONDS EAST, AN ARC DISTANCE OF 208.78 FEET; THENCE SOUTH 66 DEGREES 33 MINUTES 09 SECONDS EAST, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, TANGENT TO THE LAST DESCRIBED CURVE, A DISTANCE OF 4.20 FEET; THENCE SOUTHEASTERLY, ALONG SAID SOUTHERLY RIGHT OF WAY LINE, BEING A CURVE TO THE LEFT, HAVING A RADIUS OF 3029.48 FEET, CHORD BEARING OF SOUTH 70 DEGREES 50 MINUTES 57 SECONDS EAST, AN ARC DISTANCE OF 454.37 FEET TO THE WESTERLY RIGHT OF WAY LINE OF STATE ROUTE NO. 31; THENCE SOUTH 00 DEGREES 42 MINUTES 08 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 188.74 FEET; THENCE SOUTH 05 DEGREES 17 MINUTES 58 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 601.06 FEET; THENCE SOUTHWESTERLY, ALONG SAID WESTERLY RIGHT OF WAY LINE, BEING ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 3241.17 FEET, CHORD BEARING OF SOUTH 11 DEGREES 18 MINUTES 04

(Illinois EPA Site Remediation Program Environmental Notice)

RELEASABLE

AUG 03 2007

REVIEWER MD

SECONDS WEST, AN ARC DISTANCE OF 679.01 FEET; THENCE SOUTH 21 DEGREES 43 MINUTES 17 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 96.27 FEET; THENCE SOUTH 20 DEGREES 14 MINUTES 40 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 68.38 FEET TO A JOG IN SAID WESTERLY LINE; THENCE NORTH 69 DEGREES 35 MINUTES 38 SECONDS WEST, ALONG SAID JOG, A DISTANCE OF 30.00 FEET; THENCE SOUTH 20 DEGREES 14 MINUTES 40 SECONDS WEST ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 20.00 FEET TO A JOG IN SAID WESTERLY RIGHT OF WAY LINE; THENCE SOUTH 69 DEGREES 35 MINUTES 38 SECONDS EAST, ALONG SAID JOG, A DISTANCE OF 30.00 FEET; THENCE SOUTH 20 DEGREES 14 MINUTES 40 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 95.40 FEET; THENCE SOUTH 40 DEGREES 51 MINUTES 13 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE A DISTANCE OF 49.38 FEET; THENCE SOUTH 65 DEGREES 11 MINUTES 41 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 27.00 FEET; THENCE SOUTH 22 DEGREES 31 MINUTES 54 SECONDS WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE A DISTANCE OF 107.73 FEET; THENCE SOUTH 28 DEGREES 49 MINUTES 52 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 32.11 FEET; THENCE NORTH 84 DEGREES 37 MINUTES 06 SECONDS WEST, A DISTANCE OF 1110.23 FEET TO A POINT HEREAFTER REFERRED TO AS POINT "A"; THENCE CONTINUING NORTH 84 DEGREES 37 MINUTES 06 SECONDS WEST A DISTANCE OF 557.75 FEET; THENCE NORTH 86 DEGREES 41 MINUTES 37 SECONDS WEST, A DISTANCE OF 344.06 FEET TO THE AFORESAID WEST LINE OF THE SOUTHEAST QUARTER OF SECTION 23; THENCE NORTH 00 DEGREES 09 MINUTES 40 SECONDS EAST, ALONG SAID WEST LINE, A DISTANCE OF 1165.55 FEET TO THE POINT OF BEGINNING, EXCEPTING THEREFROM THAT PART OF AFORESAID SOUTHEAST QUARTER OF SECTION 23 DESCRIBED AS FOLLOWS: COMMENCING AT THE AFORESAID POINT "A"; THENCE NORTH 05 DEGREES 22 MINUTES 54 SECONDS EAST, A DISTANCE OF 422.29 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 78.58 FEET FOR THE POINT OF BEGINNING OF EXCEPTION; THENCE NORTH 79 DEGREES 01 MINUTES 05 SECONDS WEST, ALONG THE LAST DESCRIBED COURSE AND SAID LINE EXTENDED WESTERLY, A DISTANCE OF 461.30 FEET; THENCE NORTH 10 DEGREES 58 MINUTES 55 SECONDS EAST, A DISTANCE OF 394.97 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 357.62 FEET; THENCE SOUTH 10 DEGREES 58 MINUTES 55 SECONDS WEST, A DISTANCE OF 284.28 FEET; THENCE SOUTH 79 DEGREES 01 MINUTES 05 SECONDS EAST, A DISTANCE OF 103.68 FEET; THENCE SOUTH 10 DEGREES 58 MINUTES 55 SECONDS WEST, A DISTANCE OF 110.70 FEET TO THE POINT OF BEGINNING, CONTAINING 90.00 ACRES MORE OR LESS. ALSO A 66 FOOT WIDE INGRESS, EGRESS, AND UTILITY EASEMENT OVER THAT PART OF AFORESAID SOUTHEAST QUARTER OF SECTION 23 DESCRIBED AS FOLLOWS: BEGINNING AT AFORESAID POINT "A"; THENCE NORTH 05 DEGREES 22 MINUTES 54 SECONDS EAST, A DISTANCE OF 422.29 FEET; THENCE NORTH 79 DEGREES 01 MINUTES 05 SECONDS WEST, A DISTANCE OF 428.76 FEET TO THE INTERSECTION WITH A LINE THAT BEARS NORTH 86 DEGREES 41 MINUTES 37 SECONDS EAST, ALONG SAID LINE, A DISTANCE OF 66.00 FEET TO THE POINT OF BEGINNING OF SAID EASEMENT. SITUATED IN THE CITY OF ELGIN, KANE COUNTY, ILLINOIS AND CONTAINING 90.00 ACRES MORE OR LESS.

2. Common Address: 750 South State Street, Elgin, IL
3. Real Estate Tax Index/Parcel Index Numbers: 06-23-400-002
06-23-400-010
4. Remediation Site Owner: City of Elgin
5. Land Use: Industrial/Commercial
6. Site Investigation: Comprehensive

(Illinois EPA Site Remediation Program Environmental Notice)

Page 7



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 - (217) 782-3397

JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 - (312) 814-6026

(217) 782-6761 ROD R. BLAGOJEVICH, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

April 25, 2007

CERTIFIED MAIL

7004 2510 0001 8615 7346

Mr. James Nicketta
John B. Sanfilippo & Son, Inc.
2299 Busse Road
Elk Grove Village, IL 60007

Re: 0894385115/Kane
Elgin/Elgin Mental Health Center
Site Remediation Program/Technical Reports

Dear Mr. Nicketta:

The Site Investigation Report - Comprehensive, Remedial Objectives Report & Remedial Action Completion Report (November 28, 2005/Log Number 05-27410), as prepared by Pioneer Engineering & Environmental Services, Inc. for the above referenced Remediation Site, has been reviewed by the Illinois Environmental Protection Agency ("Illinois EPA") and demonstrates that the remedial action was completed in accordance with 35 Illinois Administrative Code Parts 740 and 742.

The Remediation Site, consisting of approximately 87.81 acres, is located at 750 South State Street, Elgin, Illinois. Pursuant to Section 58.10 of the Illinois Environmental Protection Act ("Act") (415 ILCS 5/1 et seq.), your request for a no further remediation determination is granted under the conditions and terms specified in this letter. The Remediation Applicant, as identified on the Illinois EPA's Site Remediation Program DRM-1 Form received November 28, 2005 is Mr. James Nicketta.

This comprehensive No Further Remediation Letter ("Letter") signifies a release from further responsibilities under the Act for the performance of the approved remedial action. This Letter shall be considered prima facie evidence that the Remediation Site described in the attached Illinois EPA Site Remediation Program Environmental Notice and shown in the attached Site Base Map does not constitute a threat to human health and the environment and does not require further remediation under the Act if utilized in accordance with the terms and conditions of this Letter.

ROCKFORD - 4302 North Main Street, Rockford, IL 61103 - (815) 987-7760 • DES PLAINES - 9511 W. Harrison St., Des Plaines, IL 60016 - (847) 294-4000
ELGIN - 595 South State, Elgin, IL 60123 - (847) 608-3131 • PEORIA - 5415 N. University St., Peoria, IL 61614 - (309) 693-5463
BUREAU OF LAND - PEORIA - 7620 N. University St., Peoria, IL 61614 - (309) 693-5462 • CHAMPAIGN - 2125 South First Street, Champaign, IL 61820 - (217) 278-5800
SPRINGFIELD - 4500 S. Sixth Street Rd., Springfield, IL 62706 - (217) 786-6892 • COLLINSVILLE - 2009 Mall Street, Collinsville, IL 62234 - (618) 346-5120
MARION - 2309 W. Main St., Suite 116, Marion, IL 62959 - (618) 993-7200

PRINTED ON RECYCLED PAPER

Conditions and Terms of Approval

Level of Remediation and Land Use Limitations

- 1) The land use specified in this Letter may be revised if:
 - a) Further investigation or remedial action has been conducted that documents the attainment of objectives appropriate for the new land use.
 - b) A new Letter is obtained and recorded in accordance with Title XVII of the Act and regulations adopted thereunder.
- 2) The Remediation Site is restricted to Industrial/Commercial land use.

Institutional Controls:

- 3) No person shall construct, install, maintain, or operate a well at the Remediation Site. All water supplies and water services for the Remediation Site must be obtained from a public water supply system. The provisions of this institutional control shall be applicable to all water usage (e.g., domestic, industrial/commercial uses and outdoor watering).

Other Terms

- 4) Where the Remediation Applicant is not the sole owner of the Remediation Site, the Remediation Applicant shall complete the attached *Property Owner Certification of the No Further Remediation Letter under the Site Remediation Program* Form. This certification, by original signature of each property owner, or the authorized agent of the owner(s), of the Remediation Site or any portion thereof who is not a Remediation Applicant shall be recorded along with this Letter.
- 5) Further information regarding this Remediation Site can be obtained through a written request under the Freedom of Information Act (5 ILCS 140) to:

Illinois Environmental Protection Agency
Attn: Freedom of Information Act Officer
Bureau of Land-#24
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

- 6) Pursuant to Section 58.10(f) of the Act (415 ILCS 5/58.10(f)), should the Illinois EPA seek to void this Letter, the Illinois EPA shall provide notice to the current titleholder and to the Remediation Applicant at the last known address. The notice shall specify the cause for the voidance, explain the provisions for appeal, and describe the facts in support of this cause. Specific acts or omissions that may result in the voidance of the Letter under Sections 58.10(e)(1)-(7) of the Act (415 ILCS 5/58.10(e)(1)-(7)) include, but shall not be limited to:
 - a) Any violation of institutional controls or the designated land use restrictions;
 - b) The failure to operate and maintain preventive or engineering controls or to comply with any applicable groundwater monitoring plan;

- c) The disturbance or removal of contamination that has been left in-place in accordance with the Remedial Action Plan. Access to soil contamination may be allowed if, during and after any access, public health and the environment are protected consistent with the Remedial Action Plan;
 - d) The failure to comply with the recording requirements for this Letter;
 - e) Obtaining the Letter by fraud or misrepresentation;
 - f) Subsequent discovery of contaminants, not identified as part of the investigative or remedial activities upon which the issuance of the Letter was based, that pose a threat to human health or the environment;
 - g) The failure to pay the No Further Remediation Assessment Fee within forty-five (45) days after receiving a request for payment from the Illinois EPA;
 - h) The failure to pay in full the applicable fees under the Review and Evaluation Services Agreement within forty-five (45) days after receiving a request for payment from the Illinois EPA.
- 7) Pursuant to Section 58.10(d) of the Act, this Letter shall apply in favor of the following persons:
- a) Mr. James Nicketta;
 - b) The owner and operator of the Remediation Site;
 - c) Any parent corporation or subsidiary of the owner of the Remediation Site;
 - d) Any co-owner, either by joint-tenancy, right of survivorship, or any other party sharing a relationship with the owner of the Remediation Site;
 - e) Any holder of a beneficial interest of a land trust or inter vivos trust, whether revocable or irrevocable, involving the Remediation Site;
 - f) Any mortgagee or trustee of a deed of trust of the owner of the Remediation Site or any assignee, transferee, or any successor-in-interest thereto;
 - g) Any successor-in-interest of the owner of the Remediation Site;
 - h) Any transferee of the owner of the Remediation Site whether the transfer was by sale, bankruptcy proceeding, partition, dissolution of marriage, settlement or adjudication of any civil action, charitable gift, or bequest;
 - i) Any heir or devisee of the owner of the Remediation Site;

- j) Any financial institution, as that term is defined in Section 2 of the Illinois Banking Act and to include the Illinois Housing Development Authority, that has acquired the ownership, operation, management, or control of the Remediation Site through foreclosure or under the terms of a security interest held by the financial institution, under the terms of an extension of credit made by the financial institution, or any successor-in-interest thereto; or
 - k) In the case of a fiduciary (other than a land trustee), the estate, trust estate, or other interest in property held in a fiduciary capacity, and a trustee, executor, administrator, guardian, receiver, conservator, or other person who holds the remediated site in a fiduciary capacity, or a transferee of such party.
- 8) This letter, including all attachments, must be recorded as a single instrument within forty-five (45) days of receipt with the Office of the Recorder of Kane County. For recording purposes, the Illinois EPA Site Remediation Program Environmental Notice attached to this Letter should be the first page of the instrument filed. This Letter shall not be effective until officially recorded by the Office of the Recorder of Kane County in accordance with Illinois law so that it forms a permanent part of the chain of title for the Remediation Site.
- 9) Within thirty (30) days of this Letter being recorded by the Office of the Recorder of Kane County, a certified copy of this Letter, as recorded, shall be obtained and submitted to the Illinois EPA to:

Robert E. O'Hara
Illinois Environmental Protection Agency
Bureau of Land/RPMS
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

- 10) In accordance with Section 58.10(g) of the Act, a No Further Remediation Assessment Fee based on the costs incurred for the Remediation Site by the Illinois EPA for review and evaluation services will be applied in addition to the fees applicable under the Review and Evaluation Services Agreement. Request for payment of the No Further Remediation Assessment Fee will be included with the billing statement.

If you have any questions regarding this correspondence, you may contact the Illinois EPA project manager, Mr. Andrew Catlin at (217) 524-3290.

Sincerely,



Joyce L. Muniz, P.E., Manager
Remedial Project Management Section
Division of Remediation Management
Bureau of Land

Attachments(2): Property Owner Certification of No Further Remediation Letter under the Site Remediation Program Form
Notice to Remediation Applicant

cc: City of Elgin
City Manager Olufemi Folarin
150 Dexter Court
Elgin, IL 60120-5555

Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 North Sacramento Boulevard
Suite 101
Chicago, IL 60612

**Site Base Map
0894385115/Kane
Elgin/Elgin Mental Health Center
Site Remediation Program**

Figure 4:
Site Base Map
SWC of Route 20 and
Route 31
Elgin, IL

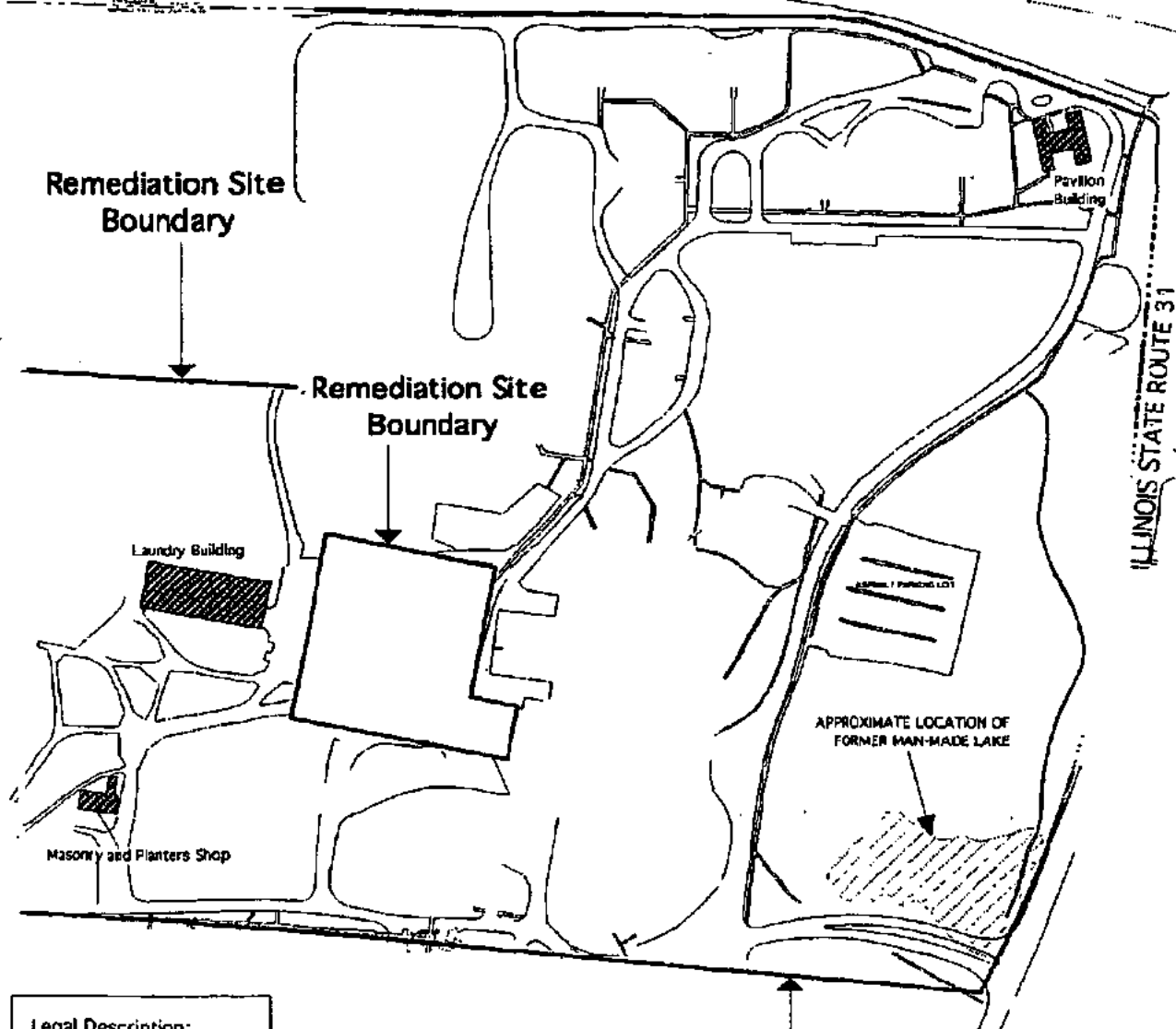
Scale:	1" = 350'
Drawn by:	Anatoli Strangar
Job No.:	04-1211-101
Date:	November 2004
Checked by:	J. McClelland

PIONEER Engineering & Environmental Services, Inc.



U.S. ROUTE 20

ILLINOIS STATE ROUTE 31



Legal Description:
See Attached Page

Property Index Numbers:
See Attached Page

Remediation Site Boundary

**POOR ORIGINAL
Recorder Not Responsible
For Reproductions**

**PROPERTY OWNER CERTIFICATION OF THE NFR LETTER
UNDER THE SITE REMEDIATION PROGRAM**

Where the Remediation Applicant (RA) is not the sole owner of the remediation site, the RA shall obtain the certification by original signature of each owner, or authorized agent of the owner(s), of the remediation site or any portion thereof who is not an RA. The property owner(s), or the duly authorized agent of the owner(s) must certify, by original signature, the statement appearing below. This certification shall be recorded in accordance with Illinois Administrative Code 740.620.

Include the full legal name, title, the company, the street address, the city, the state, the ZIP code, and the telephone number of all other property owners. Include the site name, street address, city, ZIP code, county, Illinois inventory identification number and real estate tax index/parcel index number.

A duly authorized agent means a person who is authorized by written consent or by law to act on behalf of a property owner including, but not limited to:

1. For corporations, a principal executive officer of at least the level of vice-president;
2. For a sole proprietorship or partnership, the proprietor or a general partner, respectively; and
3. For a municipality, state or other public agency, the head of the agency or ranking elected official.

For multiple property owners, attach additional sheets containing the information described above, along with a signed, dated certification for each. All property owner certifications must be recorded along with the attached NFR letter.

Property Owner Information

Owner's Name: Chuck Nicketta
Title: Vice President
Company: John B. Sanfilippo & Son, Inc.
Street Address: 1703 N. Randall Road, Mail Code: 2-NW-EX
City: Elgin State: IL Zip Code: 60123 Phone: 847-289-1800

Site Information

Site Name: Elgin Mental Health Center
Site Address: 750 South State Street
City: Elgin State: IL Zip Code: 60123 County: Kane
Illinois inventory identification number: 0894385115/Kane
Real Estate Tax Index/Parcel Index No. 06-23-400-002, 06-23-400-010

I hereby certify that I have reviewed the attached No Further Remediation Letter and that I accept the terms and conditions and any land use limitations set forth in the letter.

Owner's Signature: *Chuck Nicketta* Date: 5/22/07

SUBSCRIBED AND SWORN TO BEFORE ME
this 22nd day of MAY, 2007

Carol C. Howarth
Notary Public



The Illinois EPA is authorized to require this information under Sections 415 ILCS 9/38 - 98.12 of the Environmental Protection Act and regulations promulgated thereunder. If the Remediation Applicant is not also the sole owner of the remediation site, this form must be completed by all owners of the remediation site and recorded with the NFR Letter. Failure to do so may void the NFR Letter. This form has been approved by the Form Management Center. All information submitted to the Site Remediation Program is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(s) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines.



Sandy Wegman

Sandy Wegman
Kane County Recorder

CERTIFICATION

I, Sandy Wegman, Recorder for the County of Kane, State of Illinois, hereby certify this to be a true and correct copy of Document Number **2007K059392** recorded **June 5th, 2007** as it appears from the records and microfilm in my office.

DATE: August 1, 2007

Sandy Wegman

By *J. J. Gonnell*
Deputy, Recorder's Office

Sandy Wegman
Kane County Recorder

719 S. Batavia Avenue
Building C
Geneva, Illinois 60134
630-232-5935 Fax 630-232-5945

Certified Copy

**Sandy Wegman
Kane County Recorder
719 S. Batavia Avenue
Building C
Geneva, Illinois 60134
630-232-5935**



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-2829

PAT QUINN, GOVERNOR

JOHN KIM, DIRECTOR

NFR INSPECTION EVALUATION DOCUMENT

DATE: January 31, 2013

TO: BUREAU of LAND File

FROM: Thomas Rivera, Des Plaines BOL

SUBJECT: 0894385115 – Kane County
Elgin – Elgin Mental Health Center
Site Remediation/Technical Reports

Date of NFR Letter: April 25, 2007

Address: 750 S State Street (IL Route 31)

Inspection Date: January 31, 2013

Time: 2:00 PM – 2:30 PM

Weather: Cloudy/10s

	Consistent	Inconsistent	Further Determination	NA
Barrier:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Land Use:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater Use:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recorders Office:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

The site layout is the same as what's depicted in the NFR Letter's Site Base Map and the Elgin Mental Health Center still occupied the site.

c: Region File
RPMS – Greg Dunn, Neelu Lowder, Bob O'Hara

IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

APR 04 2013

REVIEWER JZJ

**Bureau of Land – Field Operations Section
NFR Inspection Evaluation Document**

Document Details	
Date:	June 24, 2019
To:	Bureau of Land File
From:	Rivera, Thomas, BOL/Des Plaines Region
Subject:	Site Remediation/Technical File

Site Information	
Site ID:	0894385115
Site Name:	Elgin Mental Health Center
Address:	750 S State St-a
City/State/Zip:	Elgin, IL 60123
County:	Kane

Inspection Details	
Inspection Type:	SRP NFR Letter Inspection
Inspection Date:	6/6/2019
Inspector(s):	Rivera, Thomas

Restrictions			
Restriction Type	Consistent	Inconsistent	Further Determination
Groundwater Use	Yes	No	No
Land Use	Yes	No	No

Observations	
Time	1030
Date of NFR Letter	April 25, 2007
Land Use Restriction Type (Description)	Industrial/Commercial
Groundwater Use Restriction (Yes/No)	Yes
Groundwater Use Restriction Type (Ordinance/On-Site)	On-Site
Potable Wells on Property (Yes/No)	No
Current Property Business Name	Elgin Mental Health Center

IEPA - DIVISION OF RECORDS MANAGEMENT
RELEASABLE

OCT 02 2019

REVIEWER: RDH

NFR Comments

The 0.7-acre remediation site is in-compliance with the NFR Letter requirements pertaining to Land Use and Groundwater Use. The Recorders Office requirements were not reviewed as part of the inspection.



Related Topics: [Envirofacts](#)

FRS

FRS Facility Detail Report

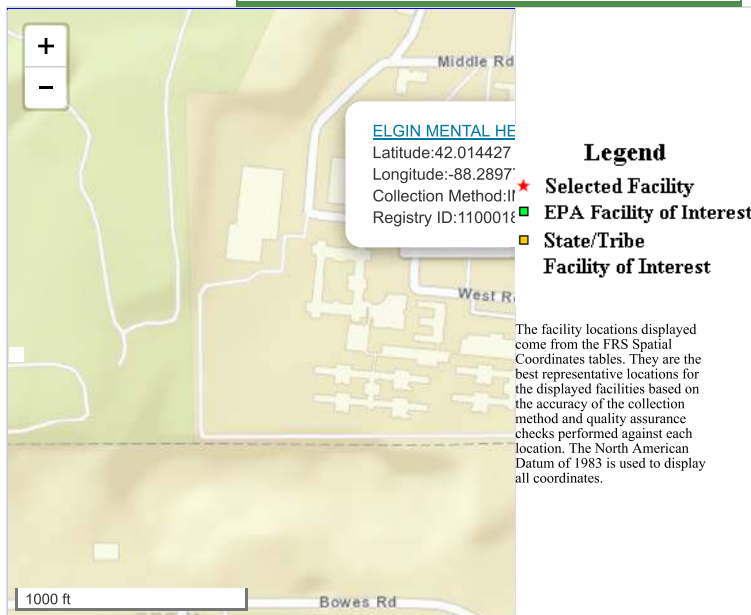
ELGIN MENTAL HEALTH CENTER

EPA Registry Id:
110001814582
750 S STATE ST
ELGIN, IL 60123-7692

Facility Registry Service Links:

- [Facility Registry Service \(FRS\) Overview](#)
- [FRS Facility Query](#)
- [FRS Organization Query](#)
- [EZ Query](#)
- [FRS Physical Data Model](#)
- [FRS Geospatial Model](#)

[Report an Error](#)



Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Update
NATIONAL COMPLIANCE DATABASE	ELGIN MENTAL HEALTH CENTER	105#19940228IL018 2	COMPLIANCE ACTIVITY	NCDB	
NATIONAL COMPLIANCE DATABASE	ELGIN MENTAL HEALTH CENTER	D05#TSCA-V-C-006-88	COMPLIANCE ACTIVITY	NCDB	
EMISSION INVENTORY SYSTEM (EIS)	ELGIN MENTAL HEALTH CENTER	1787311	AIR EMISSIONS CLASSIFICATION UNKNOWN	EIS	07/25/20
AIR FACILITY SYSTEM	ELGIN MENTAL HEALTH CENTER	1708900111	AIR MINOR (OPERATING)	AIRS/AFS	05/16/20
NATIONAL COMPLIANCE DATABASE	ELGIN MENTAL HEALTH CENTER	105#1986021990000 1	COMPLIANCE ACTIVITY	NCDB	
INTEGRATED COMPLIANCE INFORMATION SYSTEM	ELGIN MENTAL HEALTH CENTER	27614	FORMAL ENFORCEMENT ACTION	ICIS	12/11/19
AGENCY COMPLIANCE AND ENFORCEMENT SYSTEMS	ELGIN MENTAL HEALTH CENTER	170000093832	STATE MASTER	ACES	
ICIS-AIR (AIR)	ELGIN MENTAL HEALTH CENTER	IL000089438AAH	AIR MINOR	ICIS	11/12/20
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	ELGIN MENTAL HEALTH CENTER	ILD082050543	SQG (Y)	RCRAINFO	

Additional EPA Reports: [MyEnvironment](#) [Enforcement and Compliance](#) [Site Demographics](#) [Facility Coordinates Viewer](#) [Environmental Justice Map Viewer](#) [Watershed Report](#)

Standard Industrial Classification Codes (SIC)			
Data Source	SIC Code	Description	Primary
ICIS	8063	PSYCHIATRIC HOSPITALS	
AIR	8063	PSYCHIATRIC HOSPITALS	
NCDB	GS		
AIRS/AFS	8063	PSYCHIATRIC HOSPITALS	
NCDB	PCB		

National Industry Classification System Cod			
Data Source	NAICS Code	Description	
AIRS/AFS	622210	PSYCHIATRIC AND SUBSTANCE ABU	
AIR	622210	PSYCHIATRIC AND SUBSTANCE ABU	
EIS	622210	PSYCHIATRIC AND SUBSTANCE ABU	

Facility Codes and Flags	
EPA Region:	05
Duns Number:	
Congressional District Number:	08
Legislative District Number:	
HUC Code/Watershed:	07120007 / LOWER FOX
US Mexico Border Indicator:	
Federal Facility:	NO
Tribal Land:	NO

Facility Mailing Addresses			
Affiliation Type	Delivery Point	City Name	Stat
FACILITY MAILING ADDRESS	750 S STATE	ELGIN	IL
REGULATORY CONTACT	750 S STATE	ELGIN	IL
FACILITY MAILING ADDRESS	750 S STATE ST	ELGIN	IL

Contacts			
Affiliation Type	Full Name	Office Phone	Infor
REGULATORY CONTACT	BILL CLANIN	708-342-1040	RCR/
REGULATORY CONTACT	BILL CLANIN	708-342-1040	RCR/

Alternative Names			
No Alternative Names returned.			

Organizations			
Affiliation Type	Name	DUNS Number	Information System Mailing Address
OWNER	IL DEPT MENTAL HEALTH STATE OF		RCRAINFO

Query executed on: JUL-23-2020

Last updated on September 24, 2015

IncidentsId	Incident	LpcNum	lemaDate	SiteName
28965	20190547	894385115	5/31/2019	Elgin Mental Health Center
6524	891217	894385115	7/12/1989	Elgin Mental Health Ctr.
16475	940022	894385115	1/4/1994	Elgin Mental Health Center
21958	981344	894385115	6/5/1998	Elgin Mental Health Dept. Human Services
22157	981699	894385115	7/13/1998	DHS Elgin Mental Health Ctr.

SiteStreet	SiteCity	SiteState	SiteZip	SiteCounty	PrimaryRe:	PrimaryRe:	PrimaryRe:	PrimaryRe:	PrimaryRe:
750 South	Elgin	IL	60123	Kane	Elgin Ment	750 South	Elgin	IL	60123
750 South	Elgin	IL	60123	Kane	Elgin Ment	750 South	Elgin	IL	60123
750 South	Elgin	IL	60123	Kane	Elgin Ment	750 South	Elgin	IL	60123
750 South	Elgin	IL	60123	Kane	Elgin Ment	750 South	Elgin	IL	60123
750 South	Elgin	IL	60123	Kane	DHS Elgin I	750 South	Elgin	IL	60123

PrimaryRe: PrimaryResponsiblePartyContact
(847) 613- David Arvans
 Bill Clapin
 Bob Zoller
8.48E+09 Bob Zoller
8.48E+09 Mike Berlin

Gasoline	UnLeaded	Diesel	FuelOil	JetFule
FALSE	FALSE	TRUE	FALSE	FALSE
TRUE	FALSE	FALSE	FALSE	FALSE
FALSE	FALSE	FALSE	FALSE	FALSE
FALSE	FALSE	TRUE	FALSE	FALSE
FALSE	FALSE	TRUE	FALSE	FALSE

UsedOil	NonPetrol	OtherPetrol	Regulation	ProjectMa	ProjectMa	ProjectMa	ProjectManagerEmail
FALSE	FALSE	FALSE	734	Scott	McGill	(217) 524-	Scott.McGill@illinois.gov
FALSE	FALSE	FALSE	731				NOT ASSIGNED
FALSE	FALSE	FALSE	732	Brian	Bauer	(217) 782-	Brian.Bauer@illinois.gov
FALSE	FALSE	FALSE	732	Dawn	Ingold		
FALSE	FALSE	FALSE	732	Dawn	Ingold		

NonLustDa	C20DayReportDate	C45DayReportDate	NfrDate	NfrRecordedDate	Pre74Date
		7/26/2019			
			9/4/2012		
	2/22/1994				
		7/28/1998	3/22/1999		7/9/1999
#####	8/10/1998				

FreeProductDiscoveryDate

HeatingOilLetterDate

NonLustLetterDate

12/27/1994

11/30/1998

Division of Petroleum & Chemical Safety

Facility Details

Facility Number:	2008097
Status:	Active
Facility Name:	Elgin Mental Health Ctr
Address:	750 S. State Street Elgin, IL 60123
County:	Kane
Property Parcel:	
Facility Type:	State
Owner Type:	State
Green Tag Decal:	U005234
Green Tag Issue Date:	5/17/2019
Green Tag Expiration Date:	12/31/2021

Owner Details

Owner Name:	Elgin Mental Health Center
Owner Address:	750 S State St Elgin, IL 60123
Owner Status:	Current Owner
Purchase Date:	
Type of Financial Responsibility:	Self-Insurance
Financial Responsibility Reporting Due Date:	6/7/2021

Motor Fuel Dispensing Permits

No MFD Permits Found

Owner Summary

[Click for Facility/Tank Ownership history](#)

Owner Number	Owner Name	Owner Status	Purchase Date
U0023324	Elgin Mental Health Center	Current Owner	
U0007330	State of Illinois Department of Human Services	Former Owner	12/31/1967

Permits (Unexpired)

[Click for permit history](#)

No Active Permits Found

Deficiencies (Current)

No Deficiencies Found

IEMA Numbers Associated with the Facility

IEMA Number	Inspection Date	Inspection Type	Permit Number
94-0022	1/3/1994	Removal Log	1969-94
981	5/27/1998	Removal Log	3077-97

LUST Fund Eligibility and Deductibility Determinations

No Applications Found

Tank Information

Tank Number 1

Capacity:	2000	Petroleum Use:	
Product:	Diesel Fuel	CERCLA Substance:	
Status:	Removed	CAS Code:	
Regulated Status:	Federal	Removed Date:	5/27/1998
OSFM First Notify Date:	4/28/1986	Abandoned Material:	

Current Age:	32		Abandoned Date:	
Install Date:	1/1/1966		Red Tag Issue Date:	
Last Used Date:			Fee Due:	\$0.00
Product Date:	1/1/1966			
Equipment Type	Equipment	Last Passing Date	Test Expire Date	

Tank Number 2

Capacity:	500		Petroleum Use:	
Product:	Diesel Fuel		CERCLA Substance:	
Status:	Removed		CAS Code:	
Regulated Status:	Federal		Removed Date:	5/27/1998
OSFM First Notify Date:	4/28/1986		Abandoned Material:	
Current Age:	32		Abandoned Date:	
Install Date:	1/1/1966		Red Tag Issue Date:	
Last Used Date:			Fee Due:	\$0.00
Product Date:	1/1/1966			
Equipment Type	Equipment	Last Passing Date	Test Expire Date	

Tank Number 3

Capacity:	500		Petroleum Use:	
Product:	Diesel Fuel		CERCLA Substance:	
Status:	Removed		CAS Code:	
Regulated Status:	Federal		Removed Date:	
OSFM First Notify Date:	4/28/1986		Abandoned Material:	
Current Age:			Abandoned Date:	
Install Date:			Red Tag Issue Date:	
Last Used Date:	9/1/1989		Fee Due:	\$0.00
Product Date:				
Equipment Type	Equipment	Last Passing Date	Test Expire Date	

Tank Number 4

Capacity:	500		Petroleum Use:	
Product:	Gasoline		CERCLA Substance:	
Status:	Removed		CAS Code:	
Regulated Status:	Federal		Removed Date:	
OSFM First Notify Date:	4/28/1986		Abandoned Material:	
Current Age:			Abandoned Date:	
Install Date:			Red Tag Issue Date:	
Last Used Date:	9/1/1989		Fee Due:	\$0.00
Product Date:				
Equipment Type	Equipment	Last Passing Date	Test Expire Date	

Tank Number 5

Capacity:	1000		Petroleum Use:	
Product:	Diesel Fuel		CERCLA Substance:	
Status:	Moved		CAS Code:	
Regulated Status:	Federal		Removed Date:	
OSFM First Notify Date:	8/17/1993		Abandoned Material:	
Current Age:	30		Abandoned Date:	
Install Date:	8/1/1989		Red Tag Issue Date:	
Last Used Date:			Fee Due:	\$0.00
Product Date:	8/1/1989			
Equipment Type	Equipment	Last Passing Date	Test Expire Date	

Tank Number 6

Capacity:	1000		Petroleum Use:	
Product:	Gasoline		CERCLA Substance:	
Status:	Moved		CAS Code:	
Regulated Status:	Federal		Removed Date:	
OSFM First Notify Date:	8/17/1993		Abandoned Material:	
Current Age:	30		Abandoned Date:	
Install Date:	8/1/1989		Red Tag Issue Date:	
Last Used Date:			Fee Due:	\$0.00
Product Date:	8/1/1989			
Equipment Type	Equipment	Last Passing Date	Test Expire Date	

Tank Number 7

Capacity:	1000		Petroleum Use:	Consumptive Use on Premises
Product:	Heating Oil		CERCLA Substance:	
Status:	Removed		CAS Code:	
Regulated Status:	Exempt		Removed Date:	1/3/1994
OSFM First Notify Date:	10/4/1994		Abandoned Material:	
Current Age:			Abandoned Date:	
Install Date:			Red Tag Issue Date:	
Last Used Date:	12/31/1973		Fee Due:	
Product Date:				
Equipment Type	Equipment	Last Passing Date	Test Expire Date	

Tank Number 8

Capacity:	1000		Petroleum Use:	Back-up Generator
Product:	Diesel Fuel		CERCLA Substance:	
Status:	Removed		CAS Code:	
Regulated Status:	Federal		Removed Date:	5/17/2019

OSFM First Notify Date:	8/8/2000		Abandoned Material:	
Current Age:	20		Abandoned Date:	
Install Date:	6/5/1998		Red Tag Issue Date:	
Last Used Date:	12/31/2005		Fee Due:	\$0.00
Product Date:	10/1/1998			

Equipment Type	Equipment	Last Passing Date	Test Expire Date
Corrosion Prot - Piping	Composite Secondary Containment	N/A	N/A
Corrosion Prot - Tank	Fiberglass Non-Corrosive	N/A	N/A
Leak Detect - Piping	Non-Discriminating Sump Sensor	3/6/2019	3/6/2020
Leak Detect - Piping	European with No Test Req Suction	N/A	N/A
Leak Detect - Tank	Automatic Tank Gauging Omntec OEL 8000 II	3/6/2019	3/6/2020
Leak Detect - Tank	Non-Discriminating Sensors Interstitial Monitoring	3/6/2019	3/6/2020
Overfill Prev Device	Overfill Drop Tube Valve		
Piping	Single Wall STP/Tanktop Sump	8/21/2018	8/21/2021
Piping	Fiberglass Secondary Containment Steel primary	N/A	N/A
Spill Contain Device	Single Wall Spill Bucket	8/21/2018	8/21/2021
Tank	Fiberglass Double Wall XERXES	N/A	N/A

Tank Number 9

Capacity:	1000		Petroleum Use:	Back-up Generator
Product:	Diesel Fuel		CERCLA Substance:	
Status:	Currently in use		CAS Code:	
Regulated Status:	Federal		Removed Date:	
OSFM First Notify Date:	8/8/2000		Abandoned Material:	
Current Age:	21		Abandoned Date:	
Install Date:	6/5/1998		Red Tag Issue Date:	
Last Used Date:			Fee Due:	\$0.00
Product Date:	10/1/1998			

Equipment Type	Equipment	Last Passing Date	Test Expire Date
Corrosion Prot - Piping	Composite Secondary Containment	N/A	N/A
Corrosion Prot - Tank	Fiberglass Non-Corrosive	N/A	N/A
Leak Detect - Piping	European with No Test Req Suction	N/A	N/A
Leak Detect - Tank	Automatic Tank Gauging Omntec OEL 8000 II	4/6/2020	4/6/2021
Leak Detect - Tank	Non-Discriminating Sensors Interstitial Monitoring	4/6/2020	4/6/2021
Overfill Prev Device	Overfill Drop Tube Valve	8/21/2018	8/21/2021
Piping	Single Wall STP/Tanktop Sump	8/21/2018	8/21/2021
Piping	Fiberglass Secondary Containment Steel primary	N/A	N/A
Spill Contain Device	Single Wall Spill Bucket	8/21/2018	8/21/2021
Tank	Fiberglass Double Wall XERXES	N/A	N/A

Dispenser Information

MFD Motorfuel Dispensing Forms

No Forms Found

Appendix E

EDR Historic Use Information

Elgin MHC

700 S State St

Elgin, IL 60123

Inquiry Number: 06121464.2r

July 16, 2020

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
State- and tribal - equivalent NPL	not searched	-	-	-
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	0	0
State and tribal registered storage tank lists	0.25	0	0	0
State and tribal institutional control / engineering control registries	0.5	0	0	0
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	0.001	0	0	-
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	0.001	0	0	-
Records of Emergency Release Reports	0.001	0	0	-
Other Ascertainable Records	1.0	0	0	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

ELIGN MHC
700 S STATE ST
ELGIN, IL 60123

COORDINATES

Latitude (North):	42.016017 - 42° 0' 57.66449"
Longitude (West):	88.287434 - 88° 17' 14.77478"
Elevation:	739 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

ADDITIONAL ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

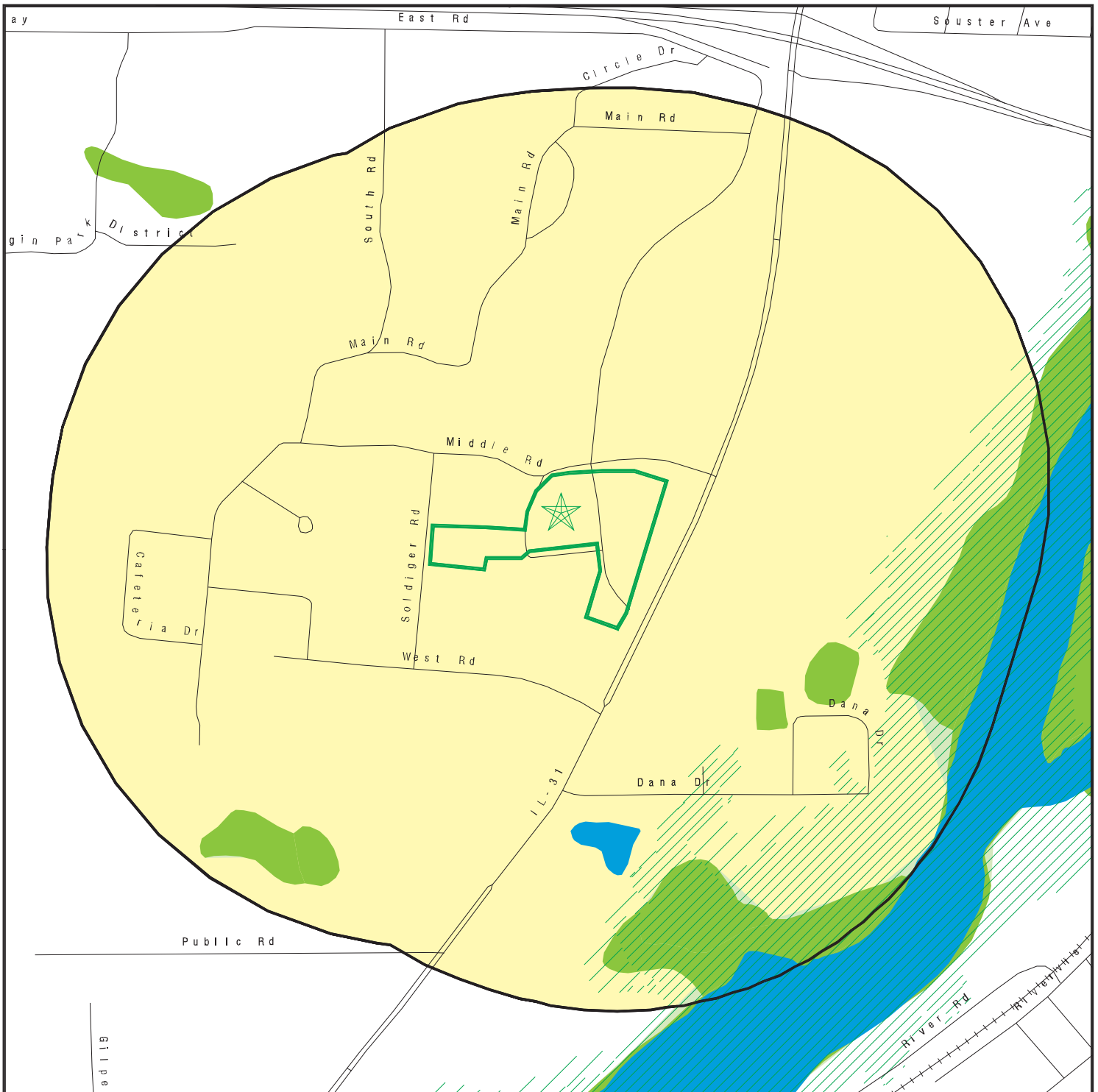
EDR HIGH RISK HISTORICAL RECORDS







<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

EDR RECOVERED GOVERNMENT ARCHIVES

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

PRIMARY MAP - 06121464.2R



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

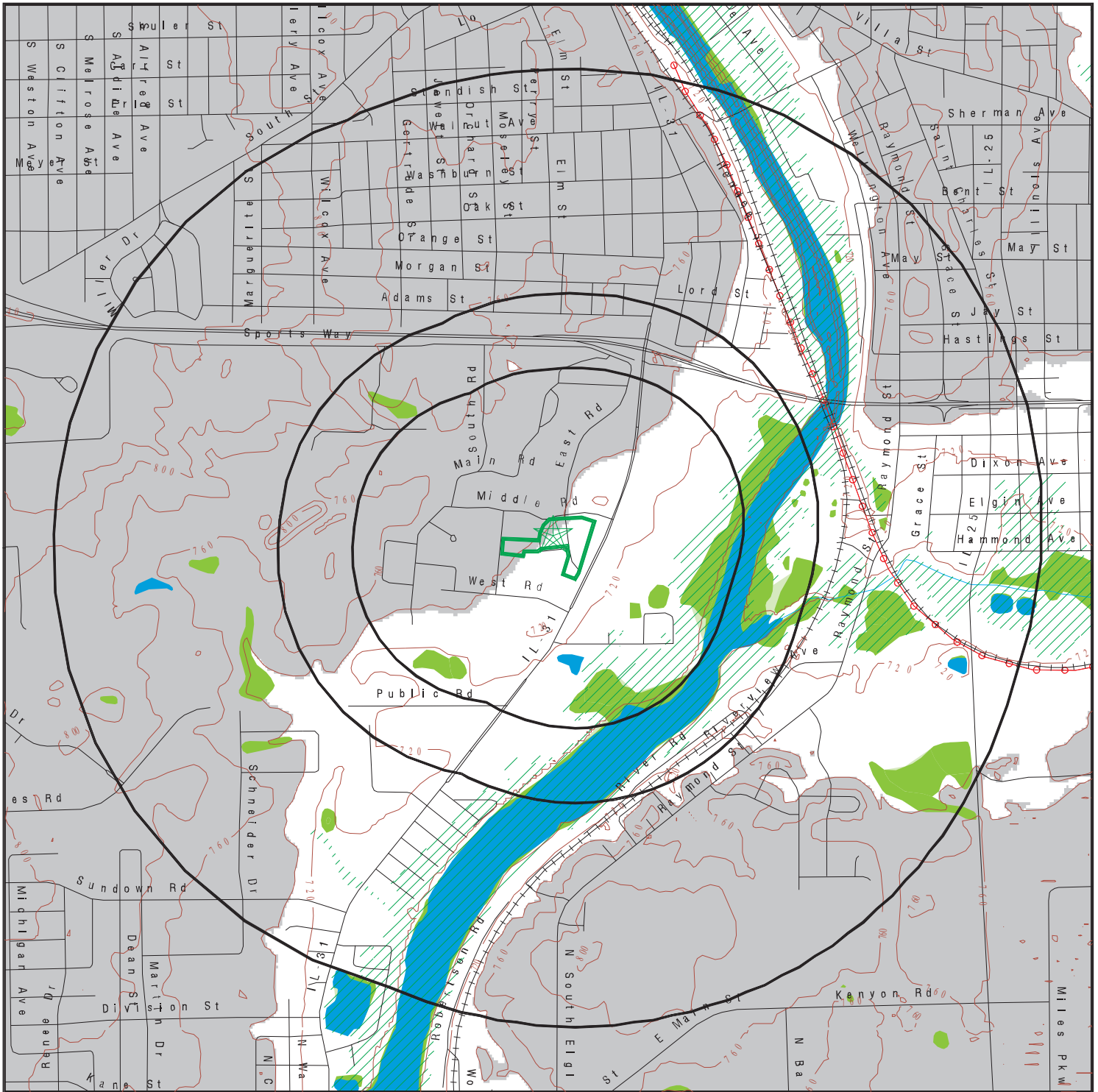
-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands

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

SITE NAME: Elgin MHC
 ADDRESS: 700 S State St
 Elgin IL 60123
 LAT/LONG: 42.016017 / 88.287434

CLIENT: Stanley Consultants
 CONTACT: Jimmy Wiesbrock
 INQUIRY #: 06121464.2r
 DATE: July 14, 2020 4:58 pm

SECONDARY MAP - 06121464.2R



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Upgradient Area

0 1/3 1/2 1 Miles



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

SITE NAME: Elgin MHC
 ADDRESS: 700 S State St
 Elgin IL 60123
 LAT/LONG: 42.016017 / 88.287434

CLIENT: Stanley Consultants
 CONTACT: Jimmy Wiesbrock
 INQUIRY #: 06121464.2r
 DATE: July 14, 2020 4:58 pm

MAP FINDINGS

LEGEND

FACILITY NAME		FACILITY ADDRESS, CITY, ST, ZIP		EDR SITE ID NUMBER
◆ MAP ID#	Direction	Distance Range	(Distance feet / miles)	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
	Relative Elevation	Feet Above Sea Level		
Worksheet:				
Comments: Comments may be added on the online Vapor Encroachment Worksheet.				

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
<i>Federal NPL site list</i>						
US	NPL	National Priority List	EPA	04/27/2020	05/06/2020	05/28/2020
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/27/2020	05/06/2020	05/28/2020
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
<i>Federal CERCLIS list</i>						
US	SEMS	Superfund Enterprise Management System	EPA	04/27/2020	05/06/2020	05/28/2020
<i>Federal RCRA CORRACTS facilities list</i>						
US	CORRACTS	Corrective Action Report	EPA	03/23/2020	03/25/2020	05/21/2020
<i>Federal RCRA TSD facilities list</i>						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
<i>Federal RCRA generators list</i>						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
<i>Federal institutional controls / engineering controls registries</i>						
US	LUCIS	Land Use Control Information System	Department of the Navy	05/15/2020	05/19/2020	06/18/2020
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2020	02/20/2020	05/15/2020
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/13/2020	02/20/2020	05/15/2020
<i>Federal ERNS list</i>						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/22/2020	03/24/2020	06/18/2020
<i>State and tribal - equivalent CERCLIS</i>						
IL	SSU	State Sites Unit Listing	Illinois Environmental Protection Agency	03/17/2020	03/18/2020	05/29/2020
<i>State and tribal landfill / solid waste disposal</i>						
IL	SWF/LF	Available Disposal for Solid Waste in Illinois - Solid Waste	Illinois Environmental Protection Agency	12/31/2018	10/29/2019	12/13/2019
IL	LF WMRC	Waste Management & Research Center Landfill Database	Department of Natural Resources	12/31/2001	10/06/2006	11/06/2006
IL	IL NIPC	Solid Waste Landfill Inventory	Northeastern Illinois Planning Commission	08/01/1988	08/01/1994	08/12/1994
IL	LF SPECIAL WASTE	Special Waste Site List	Illinois EPA	01/01/1990	06/17/2009	07/15/2009
IL	CCDD	Clean Construction or Demolition Debris	Illinois EPA	04/11/2018	05/01/2018	05/30/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal leaking storage tank lists						
IL	LUST	Leaking Underground Storage Tank Sites	Illinois Environmental Protection Agency	04/20/2020	04/21/2020	06/30/2020
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/10/2019	12/05/2019	02/10/2020
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/11/2019	12/04/2019	02/10/2020
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/04/2019	12/04/2019	02/27/2020
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/03/2019	12/04/2019	02/14/2020
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/01/2019	12/04/2019	02/10/2020
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/02/2019	12/04/2019	02/10/2020
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/15/2019	12/17/2019	02/10/2020
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/01/2019	12/04/2019	02/10/2020
IL	LUST TRUST	Underground Storage Tank Fund Payment Priority List	Illinois EPA	06/06/2016	07/27/2016	10/18/2016
State and tribal registered storage tank lists						
IL	UST	Underground Storage Tank Facility List	Illinois State Fire Marshal	04/20/2020	04/21/2020	06/30/2020
IL	AST	Above Ground Storage Tanks	State Fire Marshal	01/07/2020	03/05/2020	05/15/2020
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/02/2019	12/04/2019	02/10/2020
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/01/2019	12/04/2019	02/10/2020
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/04/2019	12/04/2019	02/27/2020
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/01/2019	12/04/2019	02/10/2020
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/11/2019	12/04/2019	02/10/2020
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/10/2019	12/05/2019	02/10/2020
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/03/2019	12/04/2019	02/14/2020
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/11/2019	12/04/2019	02/10/2020
US	FEMA UST	Underground Storage Tank Listing	FEMA	02/01/2020	03/19/2020	06/09/2020
State and tribal institutional control / engineering control registries						
IL	ENG CONTROLS	Sites with Engineering Controls	Illinois Environmental Protection Agency	03/30/2020	03/31/2020	06/17/2020
IL	Inst Control	Institutional Controls	Illinois Environmental Protection Agency	03/30/2020	03/31/2020	06/17/2020
State and tribal voluntary cleanup sites						
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
IL	SRP	Site Remediation Program Database	Illinois Environmental Protection Agency	03/30/2020	03/31/2020	06/17/2020
US	INDIAN VCP R7	Voluntary Cleanup Priority Listing	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
State and tribal Brownfields sites						
IL	BROWNFIELDS	Municipal Brownfields Redevelopment Grant Program Project De	Illinois Environmental Protection Agency	02/11/2010	07/31/2014	09/08/2014
IL	BROWNFIELDS	Redevelopment Assessment Database	Illinois Environmental Protection Agency	04/20/2020	04/21/2020	07/07/2020
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2019	01/17/2020	03/06/2020
US	ROD	Records Of Decision	EPA	04/27/2020	05/06/2020	05/28/2020
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/27/2020	05/06/2020	05/28/2020
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2018	12/04/2019	01/15/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	04/27/2020	05/06/2020	05/28/2020
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/23/2020	03/24/2020	06/18/2020
US	Delisted NPL	National Priority List Deletions	EPA	04/27/2020	05/06/2020	05/28/2020
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/27/2020	05/06/2020	05/28/2020
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	02/27/2020	03/24/2020	06/18/2020
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/01/2020	06/02/2020	06/09/2020
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/28/2020	02/19/2020	05/14/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	03/31/2020	04/01/2020	05/21/2020
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/11/2020	02/25/2020	05/21/2020
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/16/2018	02/28/2020	05/22/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	04/27/2020	05/06/2020	06/09/2020
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	02/05/2020	04/24/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	05/01/2019	10/23/2019	01/15/2020
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	10/09/2019	10/11/2019	12/20/2019
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/25/2019	10/25/2019	01/15/2020
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	02/03/2020	03/03/2020	05/28/2020
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	11/05/2019	11/20/2019	04/17/2020
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/05/2020	03/06/2020	05/29/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
IL	AIRS	Air Inventory Listing	Illinois EPA	02/20/2020	04/03/2020	06/18/2020
IL	ASBESTOS	ASBESTOS	Illinois EPA	03/04/2020	03/26/2020	06/12/2020
IL	BOL	Bureau of Land Inventory Database	Illinois Environmental Protection Agency	02/26/2020	02/28/2020	05/05/2020
IL	CDL	Meth Drug Lab Site Listing	Department of Public Health	06/20/2019	10/08/2019	12/05/2019
IL	CHICAGO ENV	Environmental Records Dataset	Chicago Department of Public Health	03/04/2020	03/17/2020	05/29/2020
IL	COAL ASH	Coal Ash Site Listing	Illinois EPA	10/01/2011	03/09/2012	04/10/2012
IL	DRYCLEANERS	Illinois Licensed Drycleaners	Drycleaner Environmental Response Trust Fund	11/17/2019	11/19/2019	01/09/2020
IL	Financial Assurance	Financial Assurance Information Listing	Illinois Environmental Protection Agency	12/14/2017	02/22/2018	03/12/2018
IL	HWAR	Hazard Waste Annual Report	Illinois EPA	12/31/2017	02/08/2019	04/04/2019
IL	IMPDMENT	Surface Impoundment Inventory	Illinois Waste Management & Research Center	12/31/1980	03/08/2002	06/03/2002
IL	NPDES	A Listing of Active Permits	Illinois EPA	04/16/2014	04/18/2014	05/20/2014
IL	PIMW	Potentially Infectious Medical Waste	Illinois EPA	03/17/2020	03/18/2020	05/29/2020
IL	SPILLS	State spills	Illinois EPA	02/28/2020	04/15/2020	04/22/2020
IL	IEMA SPILLS	Illinois Emergency Management Agency Spills	Illinois Emergency Management Agency	01/27/2020	01/28/2020	04/14/2020
IL	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	07/18/2012	01/03/2013	03/15/2013
IL	TIER 2	Tier 2 Information Listing	Illinois Emergency Management Agency	12/31/2018	05/14/2019	05/24/2019
IL	UIC	Underground Injection Wells	Illinois EPA	06/25/2018	09/04/2018	09/11/2018
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	04/04/2020	04/07/2020	06/26/2020
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
IL	CHICAGO TANKS	CDPH Storage Tanks Listing	Department of Public Health	03/04/2020	03/17/2020	05/29/2020
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2017	01/17/2019	04/01/2019
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/18/2020	02/19/2020	05/14/2020
HISTORICAL USE RECORDS						
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
IL	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Natural Resources		07/01/2013	12/30/2013
IL	RGA LF	Recovered Government Archive Solid Waste Facilities List	Illinois Environmental Protection Agency		07/01/2013	01/10/2014
IL	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Illinois Environmental Protection Agency		07/01/2013	12/30/2013

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Elign MHC
700 S State St
Elgin, IL 60123

Inquiry Number: 6121464.3

July 14, 2020

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

07/14/20

Site Name:

Elgin MHC
700 S State St
Elgin, IL 60123
EDR Inquiry # 6121464.3

Client Name:

Stanley Consultants
2658 Crosspark Road
Coralville, IA 52241
Contact: Jimmy Wiesbrock



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

Certified Sanborn Results:

Certification # 5B3E-40ED-A288
PO # 29851.01
Project Elgin MHC

UNMAPPED PROPERTY

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



Sanborn® Library search results

Certification #: 5B3E-40ED-A288

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

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Elign MHC
700 S State St
Elgin, IL 60123

Inquiry Number: 6121464.4

July 14, 2020

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

07/14/20

Site Name:

Elgin MHC
700 S State St
Elgin, IL 60123
EDR Inquiry # 6121464.4

Client Name:

Stanley Consultants
2658 Crosspark Road
Coralville, IA 52241
Contact: Jimmy Wiesbrock



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stanley Consultants were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	29851.01	Latitude:	42.016017 42° 0' 58" North
Project:	Elgin MHC	Longitude:	-88.287434 -88° 17' 15" West
		UTM Zone:	Zone 16 North
		UTM X Meters:	393403.57
		UTM Y Meters:	4652356.25
		Elevation:	739.00' above sea level

Maps Provided:

2012
1998
1980
1972
1962, 1964
1940
1925

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

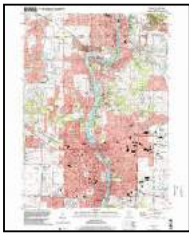


Geneva
2012
7.5-minute, 24000

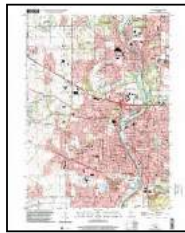


Elgin
2012
7.5-minute, 24000

1998 Source Sheets



Geneva
1998
7.5-minute, 24000
Aerial Photo Revised 1998



Elgin
1998
7.5-minute, 24000
Aerial Photo Revised 1998

1980 Source Sheets



Elgin
1980
7.5-minute, 24000
Aerial Photo Revised 1978



Geneva
1980
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



Elgin
1972
7.5-minute, 24000
Aerial Photo Revised 1972



Geneva
1972
7.5-minute, 24000
Aerial Photo Revised 1972

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1962, 1964 Source Sheets



Elgin
1962
7.5-minute, 24000
Aerial Photo Revised 1958



Geneva
1964
7.5-minute, 24000
Aerial Photo Revised 1963

1940 Source Sheets

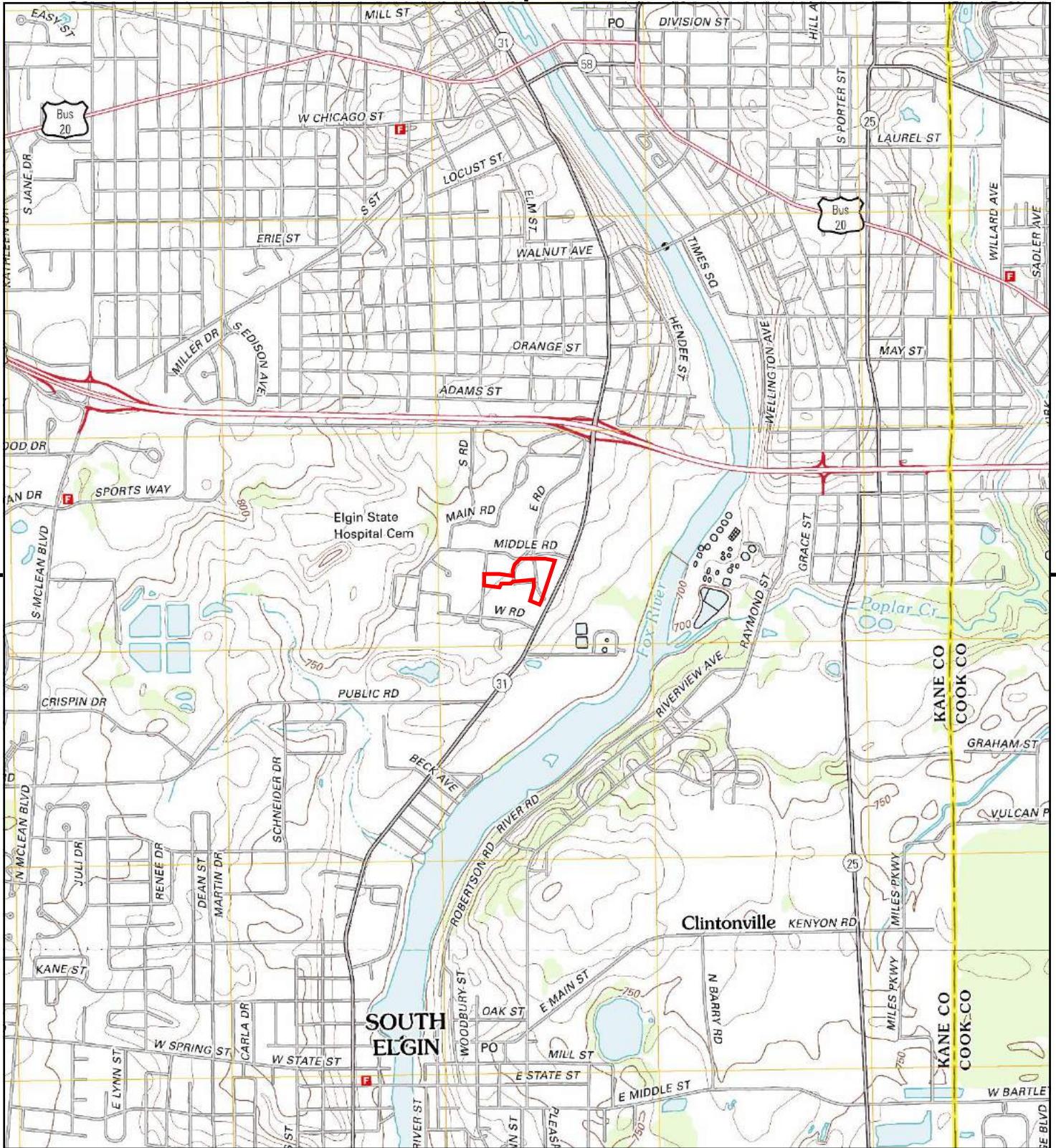


Elgin
1940
15-minute, 62500

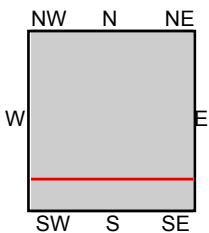
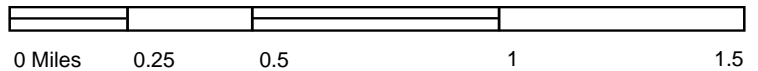
1925 Source Sheets



Elgin
1925
15-minute, 62500



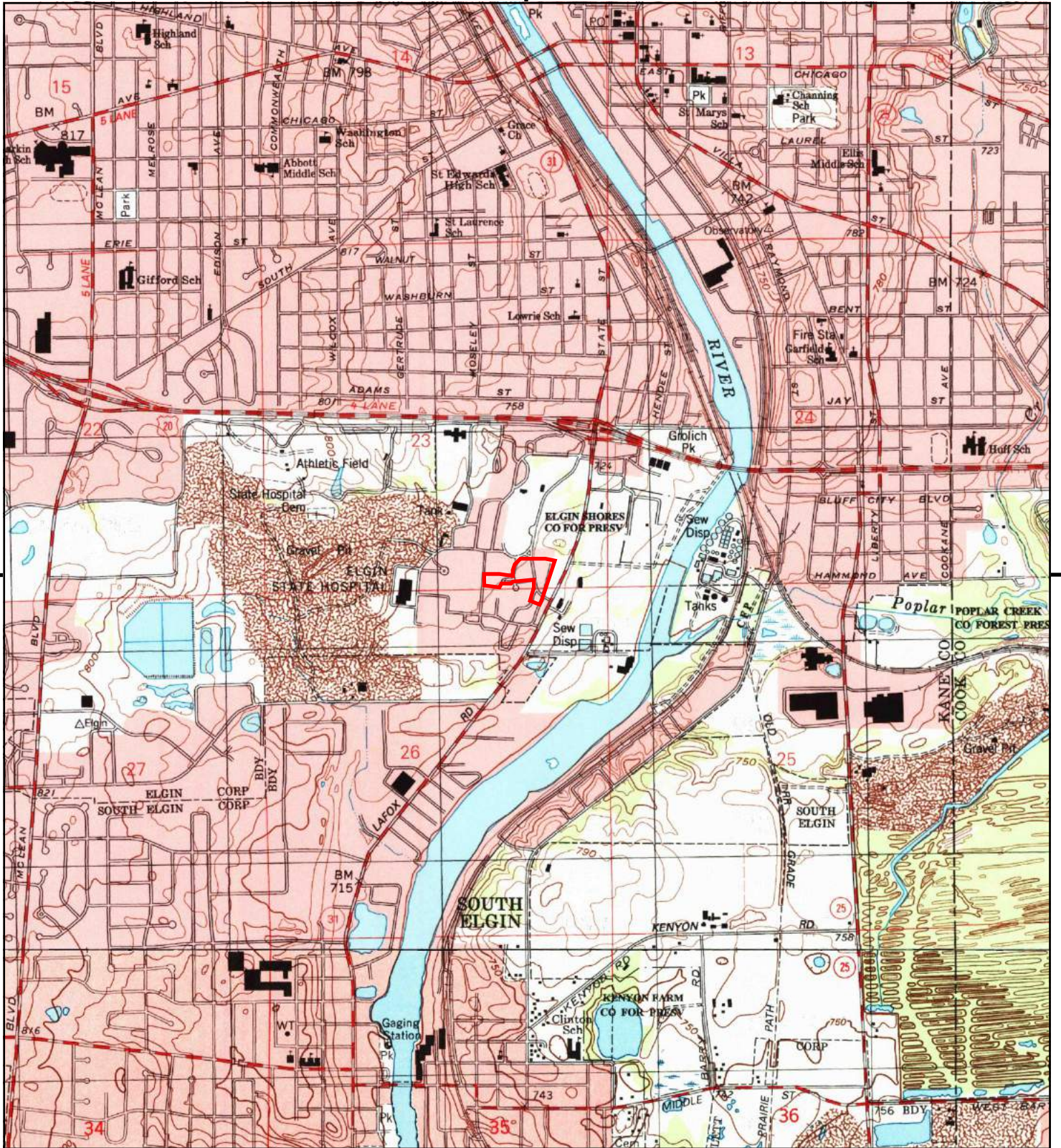
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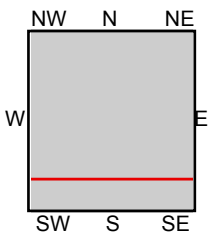
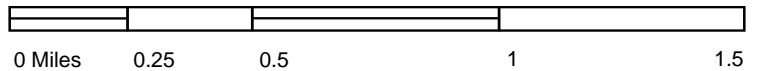
TP, Elgin, 2012, 7.5-minute
S, Geneva, 2012, 7.5-minute

SITE NAME: Elgin MHC
ADDRESS: 700 S State St
Elgin, IL 60123
CLIENT: Stanley Consultants





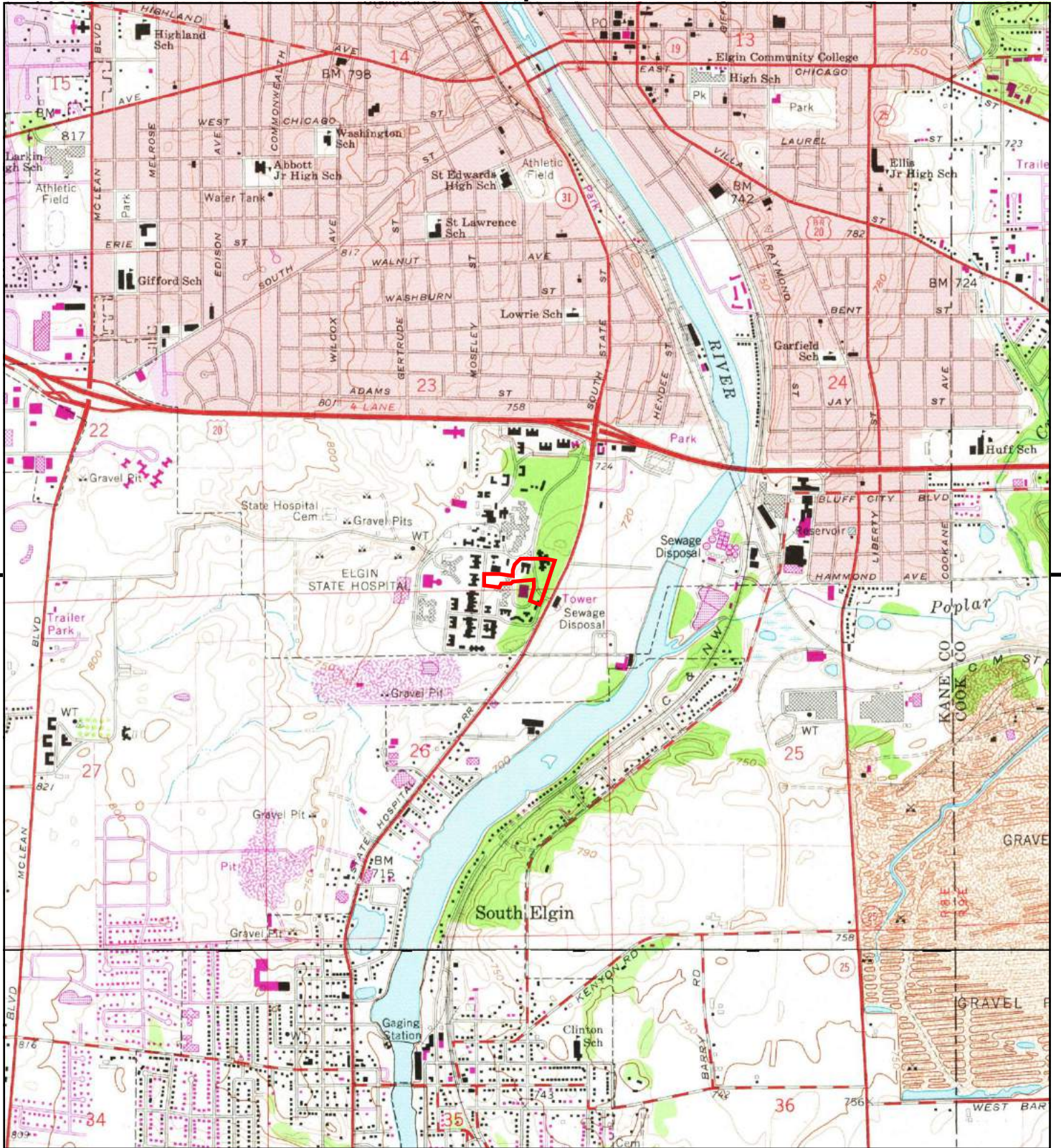
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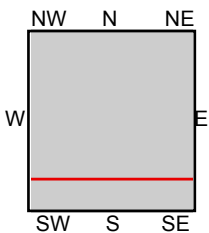
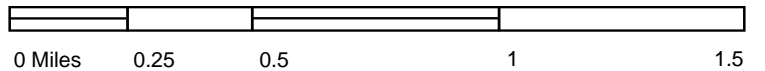
TP, Elgin, 1998, 7.5-minute
S, Geneva, 1998, 7.5-minute

SITE NAME: Elgin MHC
ADDRESS: 700 S State St
Elgin, IL 60123
CLIENT: Stanley Consultants





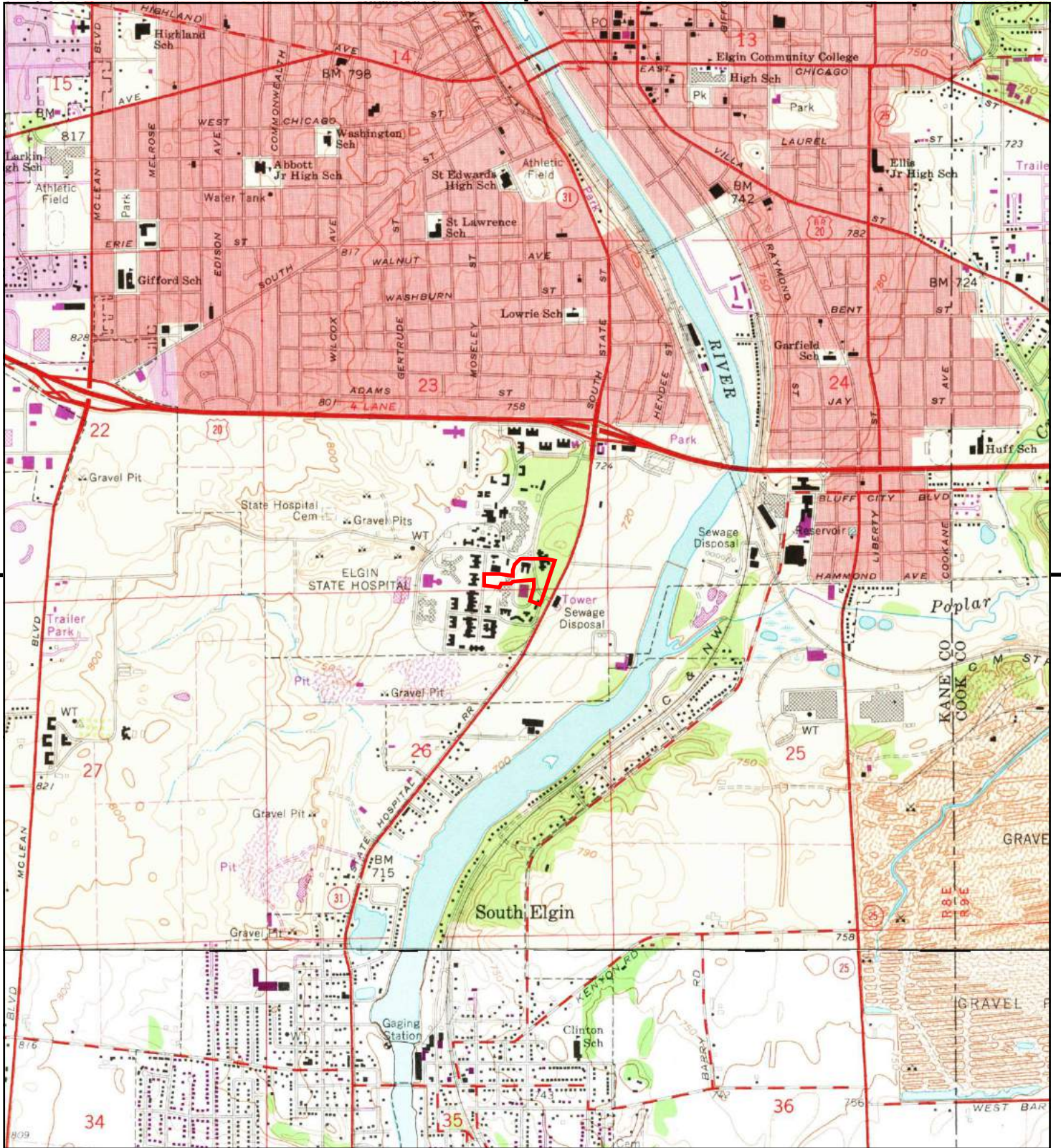
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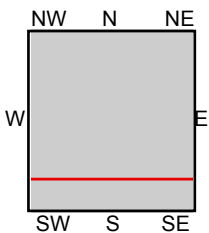
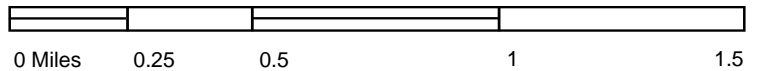
TP, Elgin, 1980, 7.5-minute
S, Geneva, 1980, 7.5-minute

SITE NAME: Elgin MHC
ADDRESS: 700 S State St
Elgin, IL 60123
CLIENT: Stanley Consultants





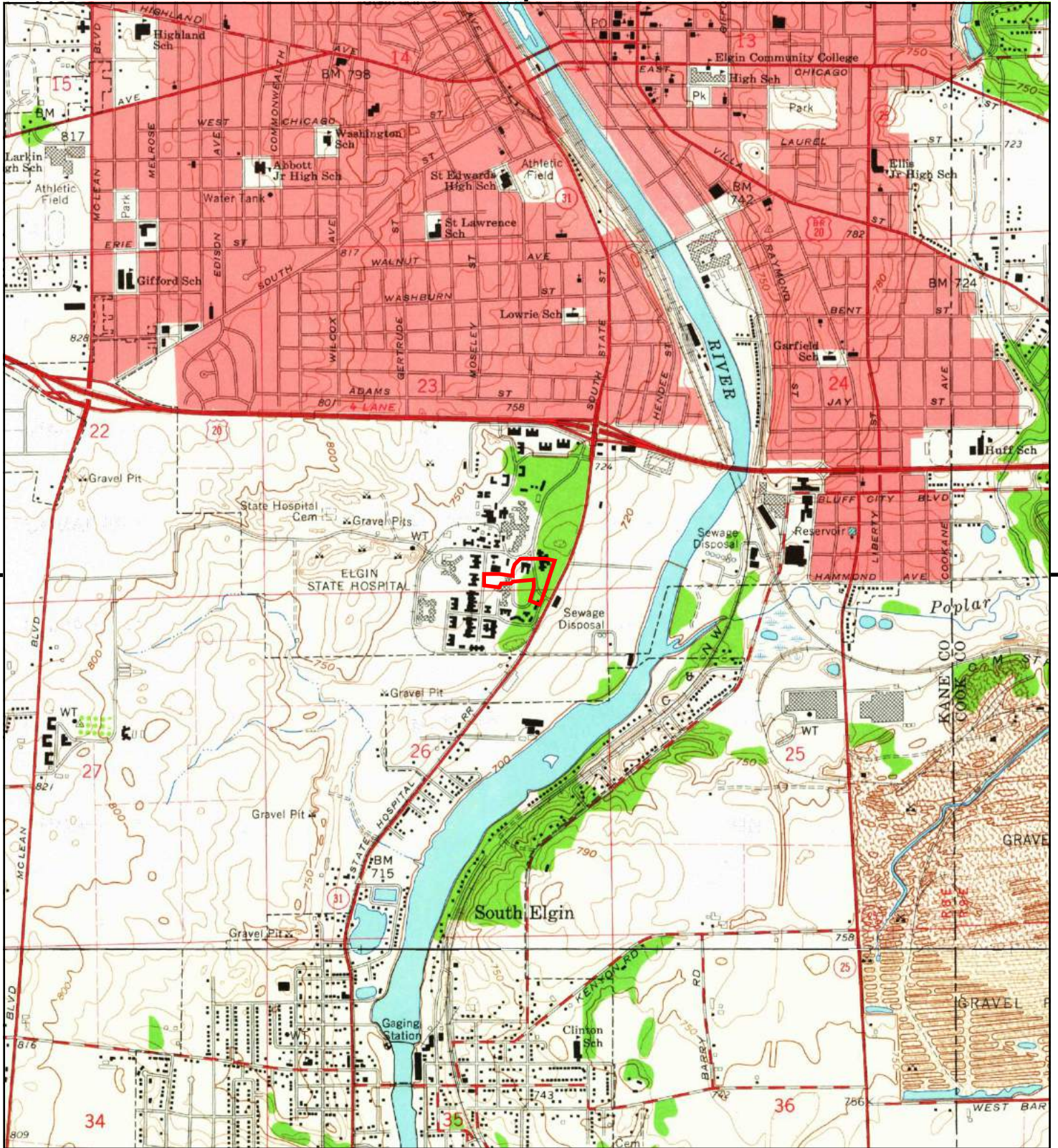
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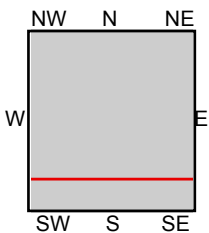
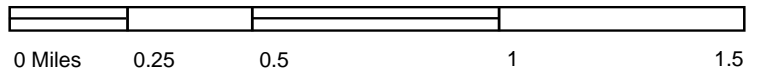
TP, Elgin, 1972, 7.5-minute
S, Geneva, 1972, 7.5-minute

SITE NAME: Elgin MHC
ADDRESS: 700 S State St
Elgin, IL 60123
CLIENT: Stanley Consultants





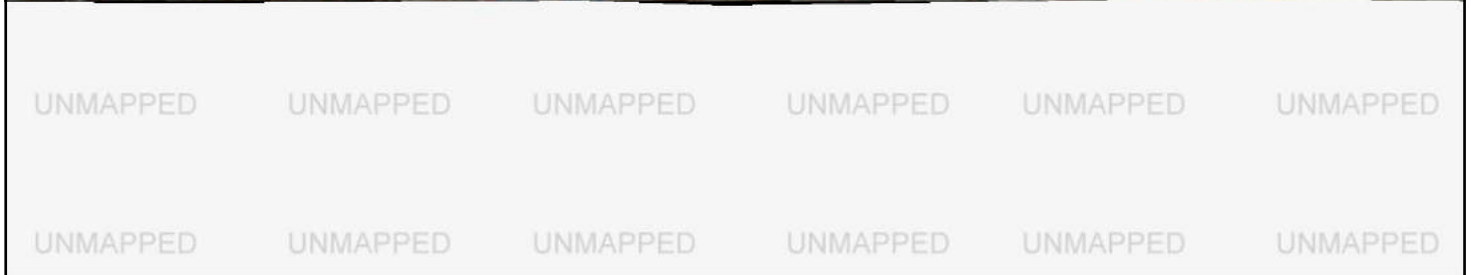
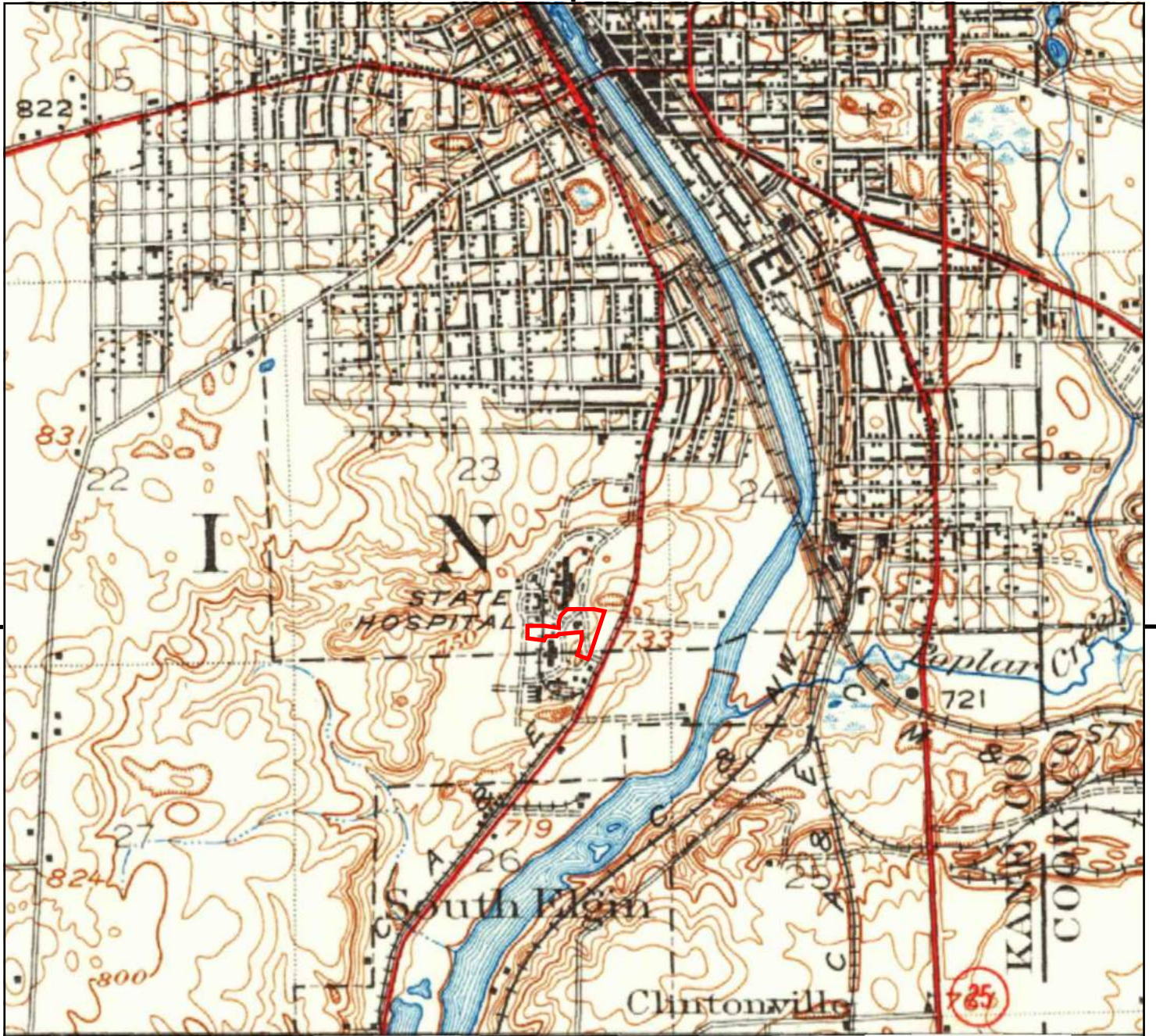
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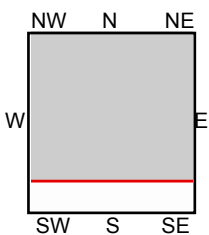
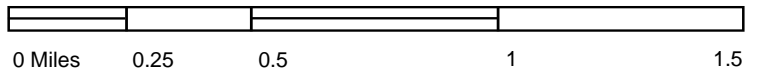
TP, Elgin, 1962, 7.5-minute
S, Geneva, 1964, 7.5-minute

SITE NAME: Elgin MHC
ADDRESS: 700 S State St
Elgin, IL 60123
CLIENT: Stanley Consultants





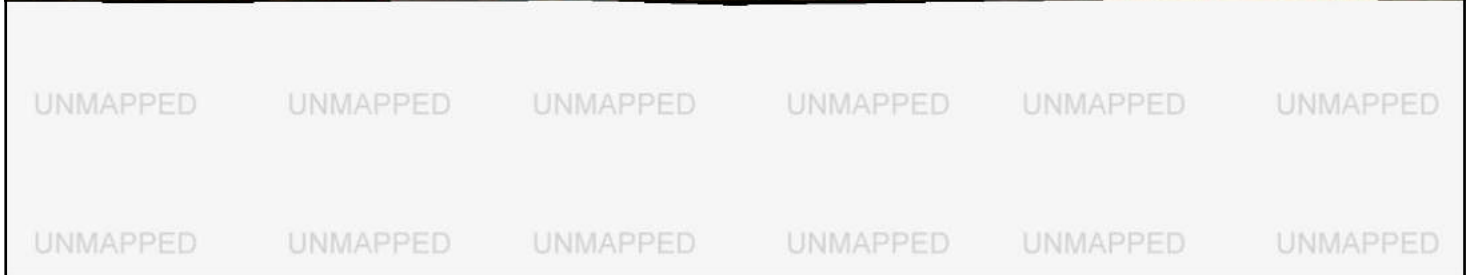
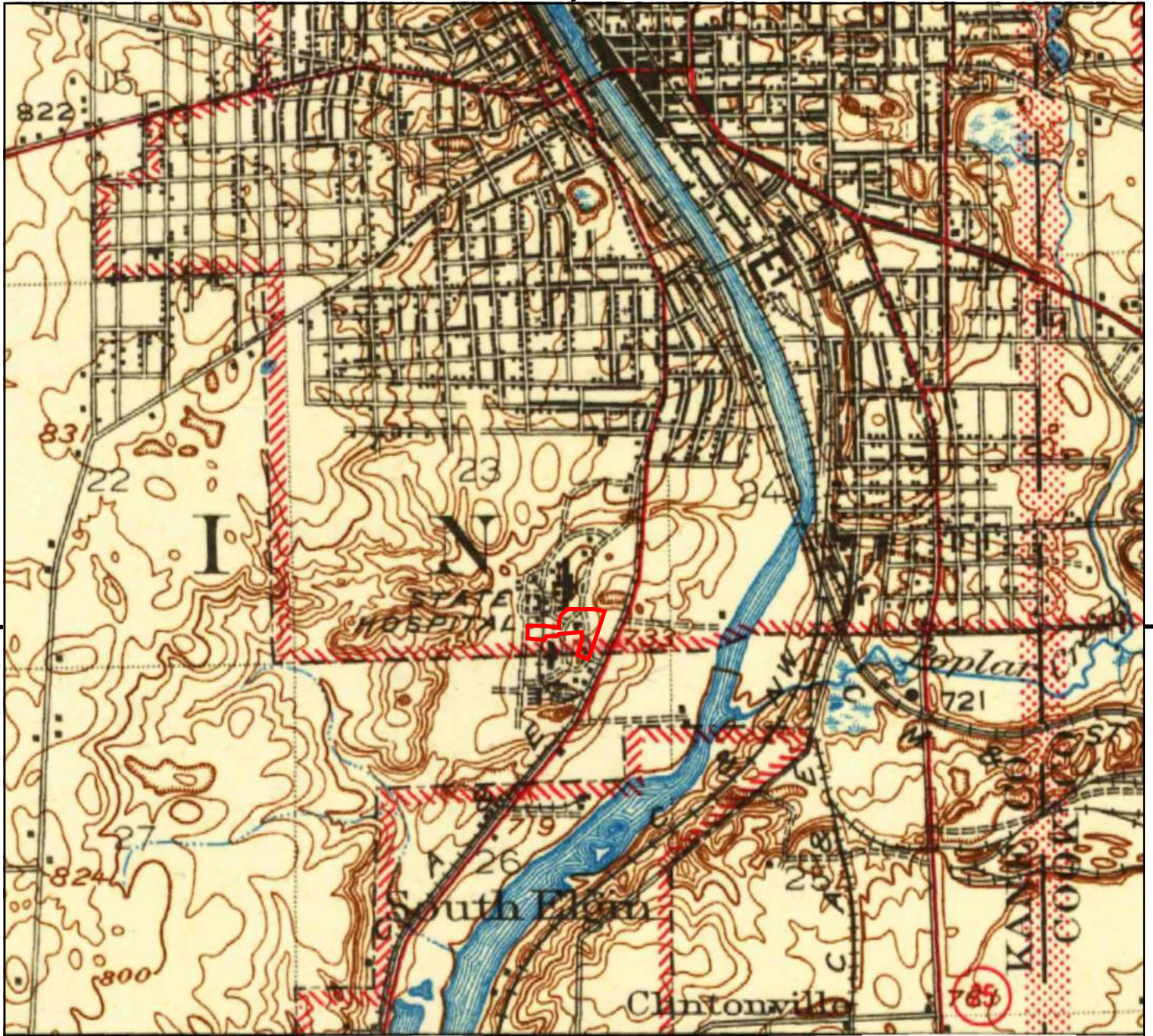
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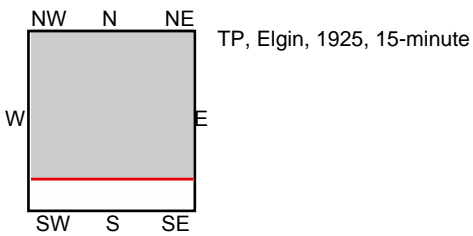
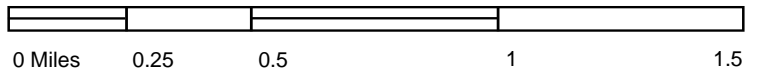
TP, Elgin, 1940, 15-minute

SITE NAME: Elgin MHC
 ADDRESS: 700 S State St
 Elgin, IL 60123
 CLIENT: Stanley Consultants





This report includes information from the following map sheet(s).



SITE NAME: Elgin MHC
 ADDRESS: 700 S State St
 Elgin, IL 60123
 CLIENT: Stanley Consultants





Elign MHC

700 S State St

Elgin, IL 60123

Inquiry Number: 6121464.8

July 14, 2020

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

07/14/20

Site Name:

Elgin MHC
700 S State St
Elgin, IL 60123
EDR Inquiry # 6121464.8

Client Name:

Stanley Consultants
2658 Crosspark Road
Coralville, IA 52241
Contact: Jimmy Wiesbrock



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Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
1999	1"=500'	Acquisition Date: March 22, 1999	USGS/DOQQ
1994	1"=500'	Flight Date: March 31, 1994	NAPP
1988	1"=500'	Flight Date: April 29, 1988	NAPP
1980	1"=500'	Flight Date: October 21, 1980	NHAP
1974	1"=500'	Flight Date: October 10, 1974	USDA
1972	1"=500'	Flight Date: October 26, 1972	USGS
1962	1"=500'	Flight Date: July 01, 1962	USGS
1958	1"=500'	Flight Date: May 29, 1958	USGS
1953	1"=500'	Flight Date: April 20, 1953	USGS
1946	1"=500'	Flight Date: July 04, 1946	USGS
1938	1"=500'	Flight Date: November 20, 1938	ILGS

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INQUIRY #: 6121464.8

YEAR: 2017

— = 500'





INQUIRY # 6121464.8

YEAR: 2014

— = 500'





INQUIRY # 6121464.8

YEAR: 2011

— = 500'





INQUIRY #: 6121464.8

YEAR: 2007

— = 500'





INQUIRY #: 6121464.8

YEAR: 1999

— = 500'



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



INQUIRY #: 6121464.8

YEAR: 1994

— = 500'





INQUIRY #: 6121464.8

YEAR: 1988

— = 500'





INQUIRY #: 6121464.8

YEAR: 1980

— = 500'



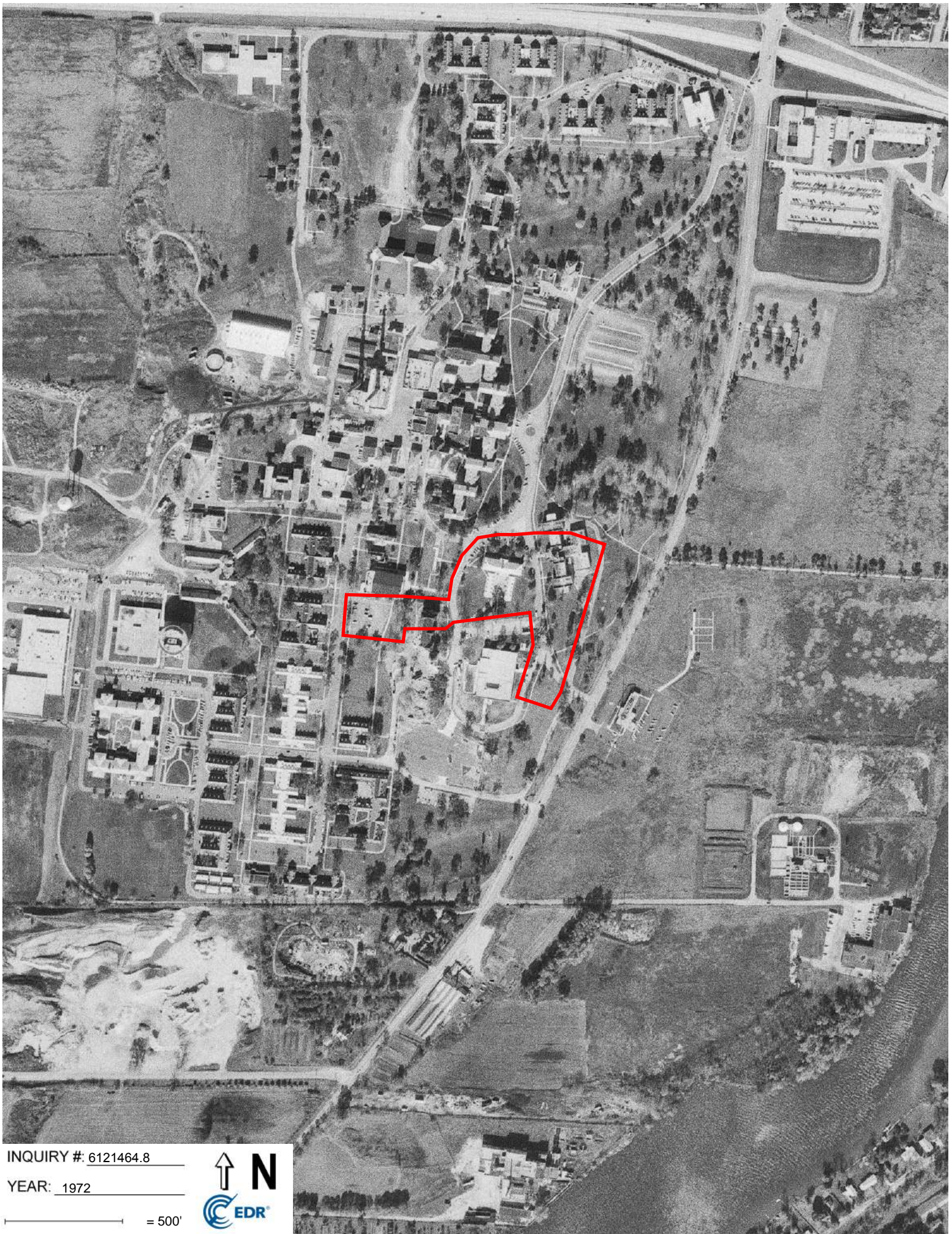


INQUIRY #: 6121464.8

YEAR: 1974

— = 500'



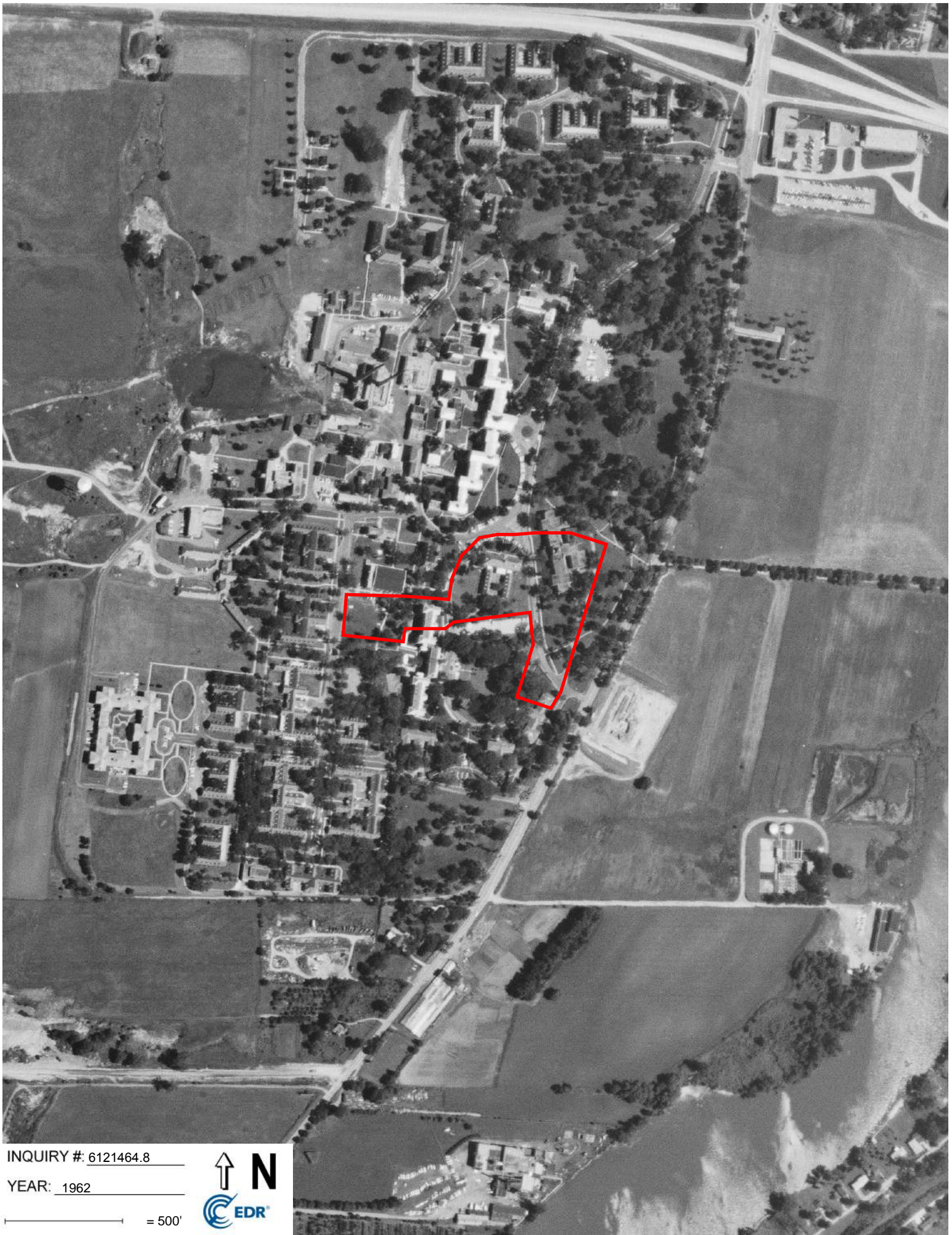


INQUIRY # 6121464.8

YEAR: 1972

— = 500'



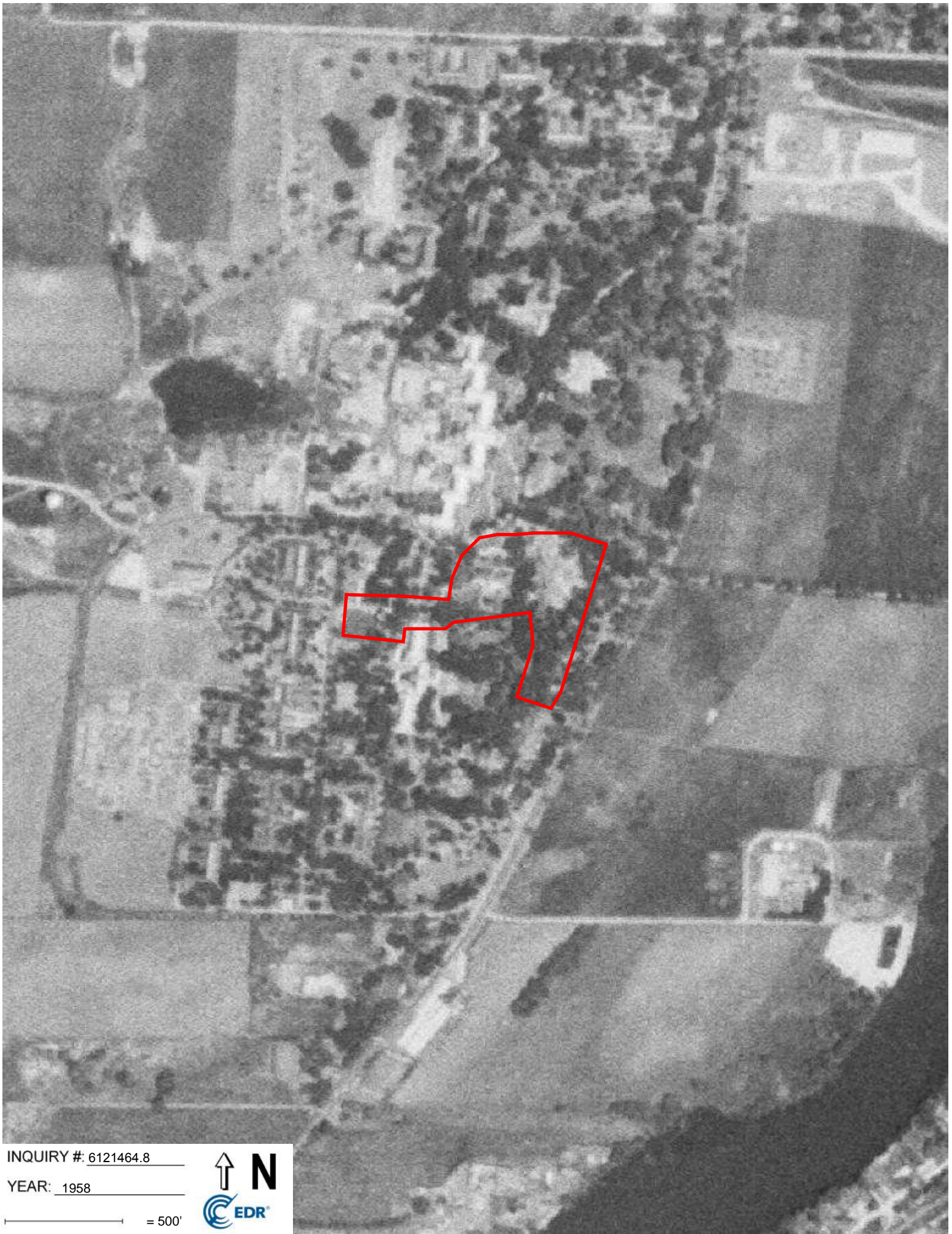


INQUIRY # 6121464.8

YEAR: 1962

 = 500'





INQUIRY #: 6121464.8

YEAR: 1958

 = 500'





INQUIRY #: 6121464.8

YEAR: 1953

— = 500'





INQUIRY #: 6121464.8

YEAR: 1946

— = 500'





INQUIRY #: 6121464.8

YEAR: 1938

— = 500'



Elgin MHC

700 S State St
Elgin, IL 60123

Inquiry Number: 6121464.5
July 17, 2020

The EDR-City Directory Image Report

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EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1986	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1981	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1976	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1972	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1971	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1966	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1962	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1959	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

EXECUTIVE SUMMARY

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
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FINDINGS

TARGET PROPERTY STREET

700 S State St
Elgin, IL 60123

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
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S STATE ST

2017	pg A2	EDR Digital Archive
2014	pg A4	EDR Digital Archive
2010	pg A6	EDR Digital Archive
2005	pg A9	EDR Digital Archive
2000	pg A12	EDR Digital Archive
1995	pg A14	EDR Digital Archive
1992	pg A17	EDR Digital Archive
1986	pg A19	Polk's City Directory
1981	pg A20	Polk's City Directory
1976	pg A21	Polk's City Directory
1972	pg A22	Polk's City Directory
1966	pg A23	Polk's City Directory
1962	pg A24	Polk's City Directory
1959	pg A25	Polk's City Directory
1959	pg A26	Polk's City Directory

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CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>US HIGHWAY 20</u>			
2017	-	EDR Digital Archive	Target and Adjoining not listed in Source
2014	-	EDR Digital Archive	Target and Adjoining not listed in Source
2010	-	EDR Digital Archive	Target and Adjoining not listed in Source
2005	-	EDR Digital Archive	Target and Adjoining not listed in Source
2000	-	EDR Digital Archive	Target and Adjoining not listed in Source
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source
1986	-	Polk's City Directory	Target and Adjoining not listed in Source
1981	-	Polk's City Directory	Target and Adjoining not listed in Source
1976	-	Polk's City Directory	Target and Adjoining not listed in Source
1971	-	Polk's City Directory	Target and Adjoining not listed in Source
1966	-	Polk's City Directory	Target and Adjoining not listed in Source
1962	-	Polk's City Directory	Target and Adjoining not listed in Source
1959	-	Polk's City Directory	Target and Adjoining not listed in Source

City Directory Images

S STATE ST 2017

245 CASTILLO, MARY A
 257 KOVAR, KRISTEN
 267 FELICIANO, ALFREDO
 271 PAPA SMOKE
 300 SHELL
 310 DONALD FUNRL LAIRD DIR
 LAIRD FUNERAL HOME
 334 MAYES, DREW A
 340 SCOTT TS AUTO REPAIR
 352 SMID, JANE A
 361 GIERENS, MARSHALL D
 365 ARIZA, FERNANDO
 PEREZ, JORGE E
 ZEPEDA, REYNALDO A
 366 CERVANTES, JAIME S
 370 CERVANTES, JAMES F
 DOHERTY, MICHAEL P
 MACKENZIE, CONSTANCE
 PETTY, CHIRSTOPHER
 371 SHROPSHIRE, COURTNEY W
 YESULIS, CHERYL
 375 LADICK, ROBERT J
 376 REEDY, LUKE T
 379 LOPEZ, ROBINSON S
 402 JIMENEZ, EILEEN R
 403 GRAFF, JOHN K
 417 SWEENEY, RICHARD C
 420 JONES, JEANNETTE M
 424 LESNIK, JEFF I
 432 FLORYPEUR, MARK F
 437 HOMFELDT, ROBERT
 438 KATZ AUTOMOTIVE INC
 445 MCKINZIE, JAMES E
 449 SMEENGE, PAUL M
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 454 BOLTON, TIMOTHY
 455 ALEXANDER, DAWNICE A
 456 STIVALET, GEMA
 460 CARRILLO, AIDA
 461 CANTON, ROMAN
 DISMUKE, KEVONDRIA P
 HINDS, CURLETTE
 464 KAISER, KEELAN P
 469 DOMINGUEZ, GREGORIO G
 470 JONES, PHILIP J
 473 KASTNER, REBECCA
 483 SANTOYO, MARCIANO L
 500 MOORE, ELLEN
 503 CORCORAN, MATTHEW J
 506 DEJOURNETTE, ODIS E

S STATE ST 2017 (Cont'd)

506	SAWTELL, WILLIAM F
511	DELEON, VICTOR M
514	SWIMLEY, DUANE A
519	NUNEZ, JOHNNY
524	CURCE, CHRISA
525	VALDERRABANO, JOSE M
531	STROUP, SANDRA L
555	LOOK, RYAN V
559	STONE, JOSEPH P
576	RODRIGUEZ, MARIA A
595	ILLINOIS STATE OF DRIVERS FACILITY
	STATE OF ILLINOIS
600	STATE OF ILLINOIS
750	STATE OF ILLINOIS
975	PACE TRANSIT RIVER DIVISION
980	JOHN R ROSSER DC
	RYCHLIK, JOANNE M
990	MORALES, SANDRA

S STATE ST 2014

245	CASTRO, GERARDO
267	LOPEZ, ANTONIO Z
268	PLS
271	ACOSTA, MARIA C
	PAPA SMOKE
300	ELGIN CITGO
310	LAIRD DONALD FUNRL DIR
	LAIRD FUNERAL HOME
	LAIRD ROBERT
	LAIRD STEPHEN
334	MAYES, DREW A
340	SCOTT AUTO REPAIR
352	SMID, JANE A
354	MEGUINNESS, MARTHA
361	GIERENS, MARSHALL D
365	ARIZA, REYNALDO
	ZEPEDA, REYNALDO A
366	CERVANTES, JAIME J
	SUSTAITA, ERNESTO
370	DOHERTY, GREGORY J
	INTUD, FREDDIE
	NEUBAUER, KATHRYN L
	PEDRAZA, JORGE
	PEDRAZA, MIGUEL
	WILSON, LATRESSA
371	MALKOWSKI, DENNIS D
	WILLIAMS, CHARLES N
375	DELGADO, SAIRA
376	GRAVES, ZACHARY A
379	SANCHEZ, ROBINSON
402	JIMENEZ, EILEEN R
403	GRAFF, JOHN K
406	SLAVICEK, JOSEPH J
412	PALKOVIC, DAVE H
413	OCCUPANT UNKNOWN,
416	BRANDON, BLAINE
	DANIEL, NORMA J
	MARRERO, DEBBIE
417	SWEENEY, RICHARD C
420	CRUZ, CONSTANTINO
	JONES, ANTHONY L
424	LESNIK, JEFF I
432	FLORY, MARY J
437	HOMFELDT, ROBERT
438	KATZ AUTOMOTIVE INC
445	MCKINZIE, JAMES E
449	SMEENGE, PAUL M
452	GUTIERREZ, GLORIA M
453	SKRZYPCZYNSKI, ERICA
454	BOLTON, TIMOTHY

S STATE ST 2014 (Cont'd)

455	OCCUPANT UNKNOWN,
456	PRESTIDGE, CHERYL L
	STIVALET, GEMA
460	CARRILLO, AIDA
461	TYLER, CODY
464	KAISER, KEELAN P
469	DOMINGUEZ, GREGORIO G
470	WAPOLE, FRANK W
473	OCCUPANT UNKNOWN,
483	SANTOYO, YOLANDA D
500	BIERE, JOSHUA
	BLOOD, BRADLEY
	MOORE, ELLEN
503	CORCORAN, MARTIN J
506	ANDERSON, ANDRE L
	DAVIS, ALICE J
	DEJOURNETTE, ODIS E
	RAWLINSON, GEORGE E
	SAWTELL, WILLIAM F
511	DELEON, VICTOR M
512	LAM, DAN
514	MARTINEZ, RITO
518	BOBAK, DENNIS M
519	NUNEZ, JOHNNY
524	DIECKMAN, VICKI S
525	VALDERRABANO, JOSE M
531	STROUP, SANDRA L
555	LOOK, RYAN A
559	STONE, JOSEPH P
565	PORTIES, TERRY C
	WALKER, LAMONT
595	STATE OF ILLINOIS
600	STATE OF ILLINOIS
712	PAKOVIC, JOSEPH
750	ELGIN MENTAL HEALTH CENTER
	PIAZZA, GERALD
	STATE OF ILLINOIS
	VOCATIONAL REHABILITATION SERV
975	PACE TRANSIT RIVER DIVISION
990	KOSSAKOWSKI, ANTON C

S STATE ST 2010

245	CASTRO, GERARDO
257	LINSTAD, MELISSA M
268	PLS LOAN STORE
271	PAPA SMOKE
300	ELGIN CITGO
310	LAIRD FUNERAL HOME
334	MAYES, DREW
340	SCOTT TS AUTO REPAIR
352	SMID, JAN A
361	GIERENS, MARSHALL D
365	ARIZA, REYNALDO
	PEREZ, ROSA I
370	INTUD, FREDDIE
	MCKENZIE, CONSTANCE
	NEUBAUER, KATHRYN L
	NICHOLS, SHAYLA C
371	MALKOWSKI, DENNIS D
	WILLIAMS, CHARLES N
376	GRAVES, JILL A
379	SANCHEZ, ROBINSON
402	JIMENEZ, EILEEN R
403	SWEETIE, KIMBERLY
406	SLAVICEK, JOSEPH J
407	ARAGON, JOSIAS R
412	PALKOVIC, JOSEPH E
416	DANIEL, NORMA J
	DONALD, WILLIE
	KORTH, JESSICA
	MARRERO, DEBBIE
417	SWEENEY, RICHARD E
424	LESNIK, JEFF I
437	MOORE, STEVEN H
438	KATZ AUTOMOTIVE INC
439	CARTER, JOHN P
445	MCKINZIE, JAMES E
449	SMEENGE, PAUL M
452	GUTIERREZ, MANUAL
455	AINSWORTH, VICKI L
460	BARRON, ARTURO
464	KAISER, KEELAN P
469	DOMINGUEZ, GREGORIO G
470	WAPOLE, FRANK W
473	FLORES, BAUDELIO
483	LIBBY, TANYA
488	DOMINGUEZ, GREGORIO
500	JAKL, PAUL
	MESIANO, MICHELE
	MOORE, ELLEN
	SMITH, TAMIKA
503	CORCORAN, MARTIN J

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506	BARNES, F RAWLINSON, GEORGE E
511	DELEON, VICTOR M
514	AUSTIN, JASON
518	BOBAK, DENNIS M
519	NUNEZ, DAREO
524	DIECKMAN, JOSEPH R
525	VALDERRABANO, JOSE M
531	STROUP, WILLIAM R
555	RICHARDS, LYNN A
565	PORTIES, LANCE L PORTIES, MANUEL T
576	DOUGLAS, ANTHONY
595	DEPT OF CHILDREN & FAMILY SVC ENVIRONMENTAL PROTECTION AGCY IDOT ELGIN SIGN SHOP IL STATE POLICE SECRETARY OF STATE
712	PAKOVIC, JOSEPH
750	AHMAD NAVEED MD BLACKWELL, LEONARD M CHANG DOUGLAS MD CHAWLA AMAR MD CRISOSTOMO POMPOSA L MD DINWIDDIE STEPHEN H MD ELGIN MENTAL HEALTH CTR ELGIN MENTAL HEALTH CTR CU ELGIN MHC HARDY DANIEL MD HOSAIN MOHAMMAD S MD HUMAN SERVICES DEPT HUSAIN FARZANA MD HUSSAIN SYED M MD JAVED HASINA MD JORDAN JACQUELINE DO KANG CHANGGEUN MD KAREEMI FAIZA MD MARTIN ALICIA S MD MEISZNER JOHN W MD NAGARAKANTI NAGESWARA R MD NAZARENO ROMULO A MD NIDEA ANTHONY A MD ONG ALEJANDRO Y MD PATEL MALINI MD ROSANOVA CAROLE ANN MD SATAYANARAYANA GADDIPATI MD SINGH HARGURMUKH MD STATEIL ELGIN MENTAL HEALTH SUSNJAR MIRELLA MD VERBANAC PATRICIA A MD

S STATE ST

2010

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750	VOCATIONAL REHABILITATION SVC
777	STATE POLICE
980	GHOSH, DIBYAVA N
990	TURNER, SUSAN M

S STATE ST 2005

245 CASTRO, JOSIE C
 267 FELICIANO, ALFREDO
 268 INSURANCE PLUS
 271 ACOSTA, MARIA
 ADECCO
 LUIS, AYALA
 MILLER INSURANCE SERVICES INC
 VALENTE, M
 310 LAIRD FUNERAL HOME
 340 BRADLEY
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 352 SMID, JAN A
 354 BURNETT, GREGORY T
 360 LOPEZ, CLAUDIA
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 361 GIERENS, MARSHALL D
 365 ARIZA, REYNALDO
 PEREZ, VERONICA
 ZEPEDA, REYNALDO A
 366 CERVANTES, ELIA
 SPANTIKO, CLARENCE
 370 DOHERTY, MICHAEL P
 JIMENEZ, JOSEFINA
 KHAN, RIYAZ
 MORALES, WILSON
 371 MALKOWSKI, DENNIS D
 WILLIAMS, CHARLES N
 375 SLOVINEC, DINA
 376 OCCUPANT UNKNOWN,
 379 SANCHEZ, ROBINSON
 402 RODRIGUEZ, ARTURO S
 403 KRUEGER, LORRAINE E
 PRIGGE, JOHN H
 406 SLAVICEK, JOSEPH J
 407 CHAGOYA, ISAIAS
 412 PALKOVIC, JOSEPH E
 413 OCCUPANT UNKNOWN,
 416 DANIEL, NORMA J
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 417 SWEENEY, RICHARD E
 420 CRUZ, CONSTANTINO
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 424 LESNIK, JEFF I
 432 RANDALL, MARIAN M
 437 OCCUPANT UNKNOWN,
 438 KATZ AUTOMOTIVE INC
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439	BURLEY, KEVIN M MACK, THADDEUS
445	MCKINZIE, JAMES E
449	SMEENGE, PAUL M
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500	HORN, SEBRINA Y MOORE, ELLEN MOSLEY, CAROL D STANBACK, SHAVON
503	CORCORAN, MARTIN J
506	BARBER, ANGELA M DEJOURNETTE, ODIS E GARDNER, CONNIE HAYES, DEVERY L PREMIER CARPET CLEANING SPECIALIST RAWLINSON, GEORGE E SWANSON, MARY
511	DELEON, VICTOR M
512	SCOTT, SYRIDER
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524	OCCUPANT UNKNOWN, VAO ELECTRIC
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531	STROUP, WILLIAM R
559	STONE, JOSEPH P
565	BLALARK, TERRANCE GJOEN, GREGORY J GORDON, LUMUMBA E PORTIES, TERRY
576	DOMINGUEZ, PEDRO DOUGLAS, ANTHONY
595	ELGIN SIGN SHOP
600	ILLINOIS FAMILY COMMUNITY RESRC CENT PUBLIC AID ILLINOIS DEPARTMENT
695	OCCUPANT UNKNOWN,

S STATE ST

2005

(Cont'd)

750	ELGIN MENTAL HEALTH CENTER VOCATIONAL REHABILITATION SERVICE WEBTOWNS
975	PACE SUBURBAN BUS SERVICE
980	GHOSH, DIBYAVA
990	HARRIS, ARTHUR M

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245	CORCORAN, KEN
252	FOX VALLEY CREMATION SOCIETY MADISON SEAN FUNL DIR STOUT MADISON FUNERAL HOME
267	JOHNSON, BRIAN
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452	GUTIERREZ, MANUAL
453	VILLANUEVA, RAFAEL
460	HOULBERG, DENNIS M

S STATE ST

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461	MURZYN, CHARLES
464	HEIN, K
469	TATGE, ELROY C
470	SPICER, EVERETT
473	WALTERS, WILBUR
483	DELAROSA, TOMASA
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518	BOBAK, DENNIS
519	HARRIS, BEN J
524	VAO ELECTRIC
525	CHAMBERLAIN, JAMES E
	ODLE, KENNETH S
	WILLIAMS, LARASHA
531	STROUP, WILLIAM R
555	MADES, BOB
559	REIDL, GERALD
560	HAMPSHIRE MIDDLE & HIGH SCHOOL
565	GARTLAND, EILEEN
576	CRUZ, JUAN C
	DOUGLAS, ANTHONY
595	DRIVERS LICENSE-STATE OF ILLINOIS
	ILL STATE OF DEPARTMENT OF LAW ENFORCEMENT
	ILLINOIS STAT OF SECY OF STAT INVESTIGATION OFFICE
	ILLINOIS STATE OF CENTRAL MANAGEMENT SERVICES
	ILLINOIS STATE OF ENVIRONMENTAL PROTECTION AGENCY
	ILLINOIS STATE OF FAR NORTHWEST
601	ELGIN CONTINENTAL LITTLE LEAGUE
695	ECKER CENTER FOR MENTAL HEALTH FAR NORTHWEST
750	AMER FEDRN OF STAT CNTY & MNCPL EMPLOYEES LCL 26
	ELGIN MENTAL HEALTH CENTER
	ILLINOIS STATE OF FAR NORTHWEST
	VFP 413
	VOCATIONAL REHABILITATION SERVICE
777	ILLINOIS STATE OF
975	PACE SUBURBAN BUS SERVICE ELGIN
990	PHILLIPS, GEORGE W

S STATE ST 1995

245 CORCORAN, KEN
 252 FOX VALLEY CREMATION SOCIETY
 STOUT MADISON FUNERAL HOME
 257 GONZALEZ, MARTIN F
 267 JOHNSON, BRIAN
 268 PIT STOP
 269 HABIA, UNA V
 271 MILLER INSURANCE INC
 300 STATE & WALNUT KWIK MART
 310 LAIRD FUNERAL HOME
 LAIRD, ROBERT
 ROB LAIRD
 STEVE LAIRD
 322 OCCUPANT UNKNOWNNN
 334 BROWN, JUDITH J
 340 BRADLEYS SERVICE
 352 OCCUPANT UNKNOWNNN
 354 PODEN, THOMAS
 360 CORDERO, L
 LOWERY, RUBY
 365 WALLACE, RANDY L
 366 DRMOLKA, DOUGLAS J
 WILLIAMS, KRISTIN
 370 GAY, C
 GILDURT, STEVEN J
 SILL, GLADYS
 371 WILLIAMS, CHARLES
 376 GRUENEWALD, PHILIP
 379 OCCUPANT UNKNOWNNN
 402 WISE, MELINDA M
 403 AINSWORTH, WILLIAM S
 CASSEDY, JULIE
 KRUEGER, EDWARD A
 OSTWALD, RAY E
 406 SLAVICEK, JOSEPH J
 407 GANTZ, MICHAEL
 412 PALKOVIC, JOSEPH E
 413 OCCUPANT UNKNOWNNN
 416 CRUSE, HARLENE
 DANIEL, N J
 JONES, DOLENA A
 417 CAPES, DAVID
 420 BUCKMASTER, C
 COY, ANGELA
 HEIN, PAUL
 424 OCCUPANT UNKNOWNNN
 432 OCCUPANT UNKNOWNNN
 437 OCCUPANT UNKNOWNNN
 438 KATZ & SONS WEST
 445 KUBIAK, T

S STATE ST

1995

(Cont'd)

445	MCKINZIE, JAMES H OHLINGER, T
449	SMEENGE, PAUL
452	MADLE, DENISE M
453	YATES, MARK D
454	OCCUPANT UNKNOWNN
455	OCCUPANT UNKNOWNN
456	PRESTIDGE, CHERYL
460	MCDONALD, MICHAEL
461	MURZYN, CHARLES ROGERS, LISA SCALET, S
464	CANTRELL, JOE I
469	TATGE, ELROY C
470	SPICER, EVERETT
473	WALTERS, WILBUR
483	OCCUPANT UNKNOWNN
500	BLOOD, BRADLEY LYTINEN, SUSAN L
503	CORCORAN, MARTIN
506	SIMMONS, MARIE A SPLINTER, MICHAEL
512	HOGAN, PAUL E
514	HESS, DAVID
518	OCCUPANT UNKNOWNN
524	OCCUPANT UNKNOWNN VAO ELECTRIC
525	DIAZ, EDDIE
531	STROUP, WILLIAM R
555	OCCUPANT UNKNOWNN
559	OCCUPANT UNKNOWNN
565	SCHABERT, JEFFREY J
576	WILLNER, K WOODS, SAMMY L
595	CHILDREN & FAMILY SVC DEPT CNETRAL MANAGEMENT GARAGE CRIMINAL INVESTIGATIONS ENVIRONMENTAL PROTECTION AGCY ILL TRAFFIC BUR SIGN SHOP ILLINOIS HWY DIV LABORATOR SECRETARY OF STATE WELDING SHOP
601	ELGIN CONTINENTAL LITTLE LG
695	ECKER CENTER FOR MENTAL HEALTH
750	AMER FEDERATION OF STATE CNTY ELGIN MENTAL HEALTH CTR ELGIN MENTAL HEALTH CTR CU VHMI VENDING OFFICE VOCATIONAL REHABILITATION SVC
777	POLICE DEPT STATE

S STATE ST

1995

(Cont'd)

777 STATE POLICE
975 DIAL A RIDE
PACE SUBURBAN BUS SVC

S STATE ST 1992

245 CORCORAN, KEN
 252 STOUT F FUNERAL HME
 260 FOX VLY CREMATN SOC
 267 HARRIS, SYLVIA
 268 PIT STOP THE
 271 MILLER INS AGNCY
 310 COLONIAL FUNERAL HM
 322 SOWER, M B
 340 L&M FOREIGN AUTO SV
 352 TUCKER, D
 360 NOTO, JOHN
 361 NELL, ROBERT H
 365 STRUBLE, WARREN
 370 SILL, GLADYS
 WATGEN, PHILIP J
 371 WILLIAMS, CHARLES
 376 GRUENEWALD, PHILIP
 402 WISE, MELINDA M
 403 KRUEGER, EDWARD A
 OSTWALD, RAY E
 406 SLAVICEK, JOSEPH J
 407 HIPKINS, TODD
 412 PALKOVIC, JOSEPH E
 413 GARVIN, JOHN J
 416 CRUSE, HARLENE
 JONES, DOLENA A
 417 CAPES, DAVID
 420 BATES, J
 DANIEL, NORMA J
 432 RANDALL, C
 437 STAFFORD, GLENN M
 438 KATZ&SONS WEST
 439 WALTERS, SANDRA
 445 SURBER, THELMA J
 449 SMEENGE, PAUL
 452 SURVANT, DAVID R
 453 YATES, MARK D
 455 SOTO, GLADYS
 460 MCDONALD, MICHAEL
 461 MURZYN, CHARLES
 SCALET, S
 464 CANTRELL, JOE I
 469 TATGE, ELROY C
 470 SPICER, EVERETT
 473 WALTERS, WILBUR
 500 LYTINEN, SUSAN L
 503 CORCORAN, MARTIN
 511 GRAEFF, DONALD
 512 HOGAN, PAUL E
 514 HESS, DAVID

S STATE ST 1992 (Cont'd)

524	VAO ELECTRIC
531	STROUP, WILLIAM R
559	GRUPE, MILTON W
576	CELESTINO, SALAS SR
595	ENVIRONMTL RSRC TRN
601	ELGIN CONTL LTL LGE
750	A D D CNTR SOCL SRV
	AMER FED ST EMP 26
	ECKER CTR MNTL HLTH
	ELGIN MENTAL HEALTH
	IL RACING BOARD LAB
	RESIDENCE WEST
	V H M I VENDING OFC
	VOCATIONAL REHAB SV
990	VUGRINCIC, CHED

S STATE ST 1986

LORD ENDS

- 511 Holm Richd
 512 Hogan Paul E © 741-2598
 514 Medicaland Graphic Illustration coml art
 work 888-2206
 Mc Dermott Teri J Mrs 888-2206
 518 Bobak Dennis
 519 Hipkins Gary E 888-3951
 524 Dieckman Joseph R © 695-5270
 Thornton John 697-8266
 Woehrle Charlotte B 697-8266

ADAMS BEGINS

- 525 Harris Shirley Mrs
 525½ Stage Mark 931-1713
 531 Hollenstein Clara M Mrs © 741-0235
 555 Thurn Terry N © 741-2740
 559 Grupe Eloise Mrs © 742-6372
 565 No Return
 Walsh Michl P 741-1022
 576 An Kevn Soon 695-3350

27

ROUTE 20 BY-PASS INTERSECTS

- 595 State Driver License Exam Sta 697-2100
 Dept Of State Police (Area I Regl Ofc)
 Dept Of State Police div of criminal
 investigation 697-7185
 Dept Of State Police (Polygraph)
 888-2565
 Dept Of Trans (Bridge Mtce Field Ofc)
 741-5304
 Guardianship & Advisory Comn Ofc
 742-2724
 Illinois Environmental Protection Agcy
 741-7771
 Illinois Dept Of Children & Family Servs
 741-3190
 Dept Of Rehabilitation Servs 741-9350
 695 Passage Program social serv 888-8315
 Alcohol Traffic Educ Rehabilitation (A
 L T E R) d u i assessment & educ
 888-8372
 Court School For Traffic Offenders (C S
 T O) 888-4470
 Dept Of Trans (Sign Shop)
 750 Elgin Mental Health Center 742-1040
 American Federation Of State Cnty Mun
 Emp Loc 26 695-7090
 Residence West halfway hse 697-7705
 Residential Rehabilitation Program
 alcoholism treatment 741-2600
 State Racing Bd Laby 695-0336
 777 State Police Headquarters 742-3553
 State Police (Weather & Rd Info)
 742-7642

N LA FOX ST BEGINS

S STATE ST 1981

511 Holm Richd A © 697-4495

512 Hogan Paul E © 741-2598

514 Holzman Tom 888-3737

518 Bobak Dennis

519 Porenta Monte A

524 Dieckman Joseph R ©

ADAMS BEGINS

525 Harris Shirley A Mrs ©

531 Hollenstein Geo J © 741-0235

555 Shorey James N 697-4153

559 Grupe Milton W © 742-6372

565 Pollack Thos G

★Reinking S 888-8207

576 An Kevn Soon © 695-3350

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ROUTE 20 BY-PASS INTERSECTS

595 State Driver License Exam Sta 697-2100

State Dept Of Law 697-7185

Dept Of General Services 741-1135

Secretary Of State (Investigation Office)
697-2100

Department Of Rehabilitation 741-9350

695 Passage Program day care cntr 888-8315

750 Elgin Mental Health Center 742-1040

Northeastern Illinois Special Olympics
741-8063

American Federation Of State Cnty Mun
Emp Loc 26 695-7090

777 State Police Headquarters 742-7642

975 Morgan's Flowers & Greenhouses Inc
741-1080

S EL BEGINS

S STATE ST 1976

S STATE ST—Contd

445 Worm Kath J Mrs 695-3485
 ★Tuttle Susanna 741-6431
 449 Barnes Gathel R Mrs © 741-2267
 452 Sanders Stanley B © OW5-0893
 453 Maki
 454 Mathis Grace Mrs 695-7948
 455★Brown Barbara 741-1713
 456★Bohnenkamp Robt L ©
 460 Gage Clara J © 742-6422
 461 Crain Jeffrey K © 742-8867
 464 Cantrell Joe I © SH1-4767
 469 Tatge Elroy C © 742-2871
 470 Spicer Gladys M Mrs © SH1-1996

MORGAN BEGINS

473 Walters Wilbur F © SH2-7650
 483 Webb Florence I © 742-1165
 500 Mc Broom Steven D 697-8698
 503★Camarillo Castulo Jr 697-4643
 506 Apartments
 1 Washington Eliz Mrs 695-2231
 2★Green Jay L
 3★Higdon Robt
 4 Goin Gladys M Mrs 695-6223
 5 Lanton Beatrice G Mrs 742-3798

LORD ENDS

511 Pagle Harry A © SH1-2822
 512 Hogan Paul E © 741-2598
 514 Welch Richd D
 Mercer Dave K
 518★Van Keuren Kenneth G © 742-5137
 519 Meyer Lydia M Mrs © SH2-9507
 524★Dieckman Joseph R 695-3421

ADAMS BEGINS

525★Harris Shirley A Mrs ©
 531 Hollenstein Geo J © 741-0235
 555★Cordero Benj
 559 Grupe Milton W © SH2-6372
 565 Vacant

SOUSTER AV ENDS

576 Souster Eliz K © SH1-0162

27

ROUTE 20 BY-PASS INTERSECTS

595 State Driver License Exam Sta 741-5780
 695 Elders United Way Agcy 741-0404
 750 Elgin Mental Health Center 742-1040
 777 State Police 742-3553
 975 Morgan's Flowers & Greenhouses Inc
 741-1080

S EL BEGINS

97

S STATE ST 1972

464 Cantrell Joe I © SH1-4767
 469 Tage Leroy C © 742-2871
 470 Spicer Gladys M Mrs © SH1-1996
 MORGAN BEGINS
 473 Walters Wilbur F © SH2-7650
 483 Webb Florence I © 742-1165
 500 Powell Jonathan
 ★Dennis Clinton L
 ★Hilger Mary
 503 No Return
 506 Apartments
 1 Hight Edna M 695-9746
 2★Washington Eliz Mrs
 3★Lewellyn Lester E
 4 Goin Gladys M
 5 Lanton Beatrice G 742-3798
 LORD ENDS
 511 Pagle Harry A © SH1-2822
 512 Hogan Paul E © 741-2598
 514★Young Edith B Mrs SH1-4381
 Pera Jo Ann M 742-2761
 Israel Zelda Mrs 741-4381
 518 Jones Howard J © 741-5065
 519 Meyer Lydia M © SH2-9507
 524 Hollestein Geo J furn rms 741-0235
 ADAMS BEGINS
 525 Hobarth Robt J
 Skelly Louis M SH2-9637
 531 Hollenstein Geo J © 741-0235
 555 Taylor Robt H 695-5235
 559 Grupe Milton W © SH2-6372
 565 Leitner Joseph N © 697-1478
 SOUSTER AV ENDS
 576 Souster Eliz K © SH1-0162

27

ROUTE 20 BY-PASS INTERSECTS

595 State Div Of Highways 741-5300
 750 Aurora Elgin & Fox River Electric Co
 Inc 742-2494
 Mendel L B Research Laboratory
 SH?-1233
 State Hosp SH2-1040
 State Veterans Service Div 742-1355
 777 State Police 742-3553
 975 Morgan's Flowers & Greenhouses Inc
 741-1080

S STATE ST 1966

453 Frick Christine M SH1-3573
 454 Snyder Chas E
 455 Becker Minnie C @ SH2-8178
 456 Lalley Donald P @ 695-1460
 460 Upchurch Lemuel P @ SH2-6072
 461 Bolerjack Jas H @ SH1-1340
 Neal John 742-8637
 464 Cantrell Joe I @ SH1-4767
 469 Tatge Leroy C @ 742-2871
 470 Spicer Everett S @ SH1-1996
Morgan begins
 473 Walters Wilber F @ SH2-7650
 483 Webb Florence I @ 742-1165
 500 Holtzhouser Donald G 695-4752
 503 DeRueda Ronald
Lord ends
 511 Pagle Harry A @ SH1-2822
 512 Ellett Jas R @ SH2-6741
 514 Weidner Michl J @ SH1-4381
 Zarecor Robt 742-2761
 518 Jones Howard J @ 741-5065
 519 Meyer Paul W @ SH2-9507
 524 Hollenstein Geo J @ 741-0235
Adams begins
 525 Skelly Louis SH2-9637
 Langan Lucille Mrs
 531 Krause Walter F @ SH2-1833
 555 Shales Nettie Mrs @ SH2-3047
 559 Grupe Milton W @ SH2-6372
 565 Engelmann Lorenz @ 742-6824
Souster av ends
 576 Souster Eliz K @ SH1-0162
 750 Elgin State Hosp SH2-1040
 Aurora Elgin Fox River Elec Co Inc
 railroad 742-2494

S STATE ST 1962

461 Bolerjack James H SH1-1340

Booth Jack L SH1-4218

464 Cantrell Joe I © SH1-4767

469 Christensen Leslie E SH2-2628

470 Spicer Everett S © SH1-1996

Morgan begins

473 Walters Wilbur F © SH1-7650

483 Webb Florence I © SH2-1165

500 No Return

503 Cook Chas R © SH2-5886

Lord ends

511 Pagle Harry A © SH1-2822

512 Vacant

514 Weidner Michl J © SH1-4381

Zarecor Bobbie SH2-2761

518 Jones Howard J © SH1-5065

519 Meyer Paul W © SH2-9507

524 Hollenstein Geo J © SH1-0235

Adams begins

525 Steen Harvey C SH1-9264

Skelly Louis SH2-9637

531 Krause Walter F © SH2-1833

555 Shales Nettie Mrs © SH2-3047

559 Grupe Milton © SH2-6372

565 Engelman Lerenz © 742-6824

Leitner Joseph 741-6840

Souster av ends

576 Souster Eliz K © SH1-0162

750 Elgin State Hosp SH2-1040

Haffron Danl SH2-4722

S STATE ST 1959

- 461 Cruse Rooney O © ΔSH1-6361
- 469 Mick Everett C window cln
Δ SH2-2628
Christansen Leslie E
ΔSH2-2628
- 470 Spicer Everett S © ΔSH1-1996
Morgan begins
- 473 Walters Wilbur F © ΔSH1-7650
- 483 Webb Selma M Mrs © ΔSH2-1165
- 500 Lemke Walter F ΔSH2-4053
Guier Troy
- 503 Vane Terence G © ΔSH2-4908
Lord ends
- 511 Pagle Harry A © ΔSH2-8222
- 512 Howard Harold O © ΔSH1-5227
- 514 Weidner Michl J © ΔSH1-4481
Zarecor Bobbie ΔSH2-2761
- 518 Jones Howard J © ΔSH1-5065
- 519 Meyer Paul W ΔSH2-9507
- 524 Hollenstein Geo J © ΔSH1-0235
Adams begins
- 525 Henke Wayne C
Stevens Harry M
- 531 Krause Walter F © ΔSH2-1833
- 555 Shales Reubin S © ΔSH2-3047
- 559 Wright Marjorie H © ΔSH2-6372
- 565 Wahl Jos © ΔSH1-2528
Souster av ends

S STATE ST 1959

28

576 Hamilton © ΔSH1-0162

750 Elgin State Hosp ΔSH2-1040

Hasfron Danl ΔSH2-4722

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