

**APPENDIX A**  
**SME PHASE I ESA**  
**DECEMBER 28, 2010**

**PHASE I  
ENVIRONMENTAL SITE ASSESSMENT  
REPORT**

**FORMER KLEIN TOOLS PROPERTY  
121 WATER STREET  
JONESVILLE, MICHIGAN**

**Prepared for:**

Village of Jonesville  
265 East Chicago Street  
Jonesville, Michigan 49250

SME Project Number: LE61837A

December 28, 2010

## TABLE OF CONTENTS

<b>1.0 SUMMARY .....</b>	<b>1</b>
<b>2.0 INTRODUCTION.....</b>	<b>5</b>
2.1 Purpose.....	5
2.2 Detailed Scope of Services .....	6
2.3 Significant Assumptions .....	6
2.4 Limitations and Exceptions .....	6
2.5 Special Terms and Conditions.....	6
2.6 Reliance .....	6
<b>3.0 PROPERTY DESCRIPTION.....</b>	<b>7</b>
3.1 Property Location and Legal Description.....	7
3.2 Property and Vicinity Characteristics .....	7
3.3 Current Use of the Property .....	8
3.4 Current Uses of the Adjoining Sites .....	8
<b>4.0 USER PROVIDED INFORMATION.....</b>	<b>10</b>
4.1 Reason for the Phase I ESA.....	10
4.2 Recorded Environmental Cleanup Liens and AULs.....	10
4.3 Specialized Knowledge and Experience.....	11
4.4 Relationship of Purchase Price to Value.....	11
4.5 Commonly Known or Reasonably Ascertainable Information.....	11
4.6 Proceedings Involving the Property.....	11
<b>5.0 RECORDS REVIEW .....</b>	<b>12</b>
5.1 Environmental Record Sources .....	12
5.2 Additional Environmental Record Sources .....	13
5.2.1 County Environmental Health Department.....	13
5.2.2 Fire Department.....	14
5.2.3 MDNRE Geological Survey Division.....	14
5.2.4 Other Record Sources.....	14
5.3 Physical Setting Source(s).....	14
5.3.1 USGS – Current 7.5 Minute Topographic Map .....	14
5.3.2 Other Non-Practice Physical Setting Sources .....	15
5.4 Historical Use Information for the Property .....	15
5.4.1 Standard Historical Sources .....	15
5.4.2 Historical Usage Summary.....	16
5.4.3 Historical Use Information About Proximate Sites.....	19
<b>6.0 SITE RECONNAISSANCE.....</b>	<b>21</b>
6.1 Methodology and Limitations.....	21
6.2 General Property Setting.....	21
6.3 Exterior Observations .....	21
6.3.1 Chemical Use and Storage .....	22
6.3.2 USTs/ASTs.....	22
6.3.3 PCB Containing Equipment .....	22
6.3.4 Pits, Ponds, and Lagoons.....	22
6.3.5 Waste Generation, Treatment, Storage, and Disposal.....	22

6.3.6 Other Exterior Features .....	22
6.4 Interior Observations .....	22
6.4.1 Chemical Use and Storage .....	23
6.4.2 USTs/ASTs.....	23
6.4.3 PCB Containing Equipment .....	23
6.4.4 Drains and Sumps.....	23
6.4.5 Waste Generation, Treatment, Storage, and Disposal.....	23
6.4.6 Heating/Cooling .....	23
6.4.7 Other Interior Features .....	24
6.5 Adjoining Sites Observations .....	24
<b>7.0 INTERVIEWS.....</b>	<b>25</b>
7.1 Interviews with Owner/Site Manager/Occupant.....	25
7.2 Interviews with Local Government Officials .....	26
7.3 Interviews with Others.....	26
<b>8.0 FINDINGS, OPINIONS, AND CONCLUSIONS .....</b>	<b>27</b>
<b>9.0 DEVIATIONS .....</b>	<b>31</b>
<b>10.0 ADDITIONAL SERVICES.....</b>	<b>31</b>
<b>11.0 REFERENCES.....</b>	<b>31</b>
<b>12.0 GENERAL COMMENTS.....</b>	<b>32</b>
<b>SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S).....</b>	<b>33</b>
<b>Appendix A:</b> Figures	
<b>Appendix B:</b> Photographs	
<b>Appendix C:</b> Historical Research Documentation	
<b>Appendix D:</b> User Questionnaire	
	Owner/Occupant Questionnaire
<b>Appendix E:</b> Regulatory Records Documentation	
<b>Appendix F:</b> Qualifications of Environmental Professional(s)	

## 1.0 SUMMARY

SME performed a Phase I Environmental Site Assessment (ESA) of the Former Klein Tools Property, located at 121 Water Street in the Village of Jonesville, Hillsdale County, Michigan, hereinafter referred to as “the Property,” in conformance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. A Property Location Map (Figure 1) is included in Appendix A.

The purpose of this Phase I ESA is to satisfy relevant All Appropriate Inquiry (AAI) requirements to qualify the Village of Jonesville (the User) for applicable landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act, as amended (CERCLA).

This Phase I ESA report is comprised of the following elements in support of AAI: 1) property description, 2) User-provided information, 3) records review, 4) site reconnaissance, 5) interviews, 6) findings, opinions, and conclusions.

The Property is comprised of four parcels, the main parcel is located along the St. Joseph River, a small parcel is located to the north of the main parcel, and two parcels are east of Water Street.

As of 1884, the earliest date of readily ascertainable historical records for the main parcel along the St. Joseph River, this parcel was occupied by the Jonesville Woolen Mill building located on the central portion of the parcel, as well as a restaurant, an engineering business, a steam printing business, and a meat market along Chicago Street. During the commercial/industrial history of this parcel, the following occupied the parcel after 1884: a fire house, hardware store, tin shop, photo shop, shed, ice house, agricultural implements store, wagon shop, bowling alley, paint shop, dwelling, machine shop, laundry cleaning and pressing business, printing business, carpenter shop, auto garage, hardware store, auto repair facility, hay rack factory, auto sales business, and lodge/hall. Vaco Products, a manufacturer of metal hand tools, operated on the Property from 1945 until 1986, when Klein purchased the Property and continued the manufacturing of hand tools until approximately 2008. Since 2008, a local manufacturer has leased the building for storage of idle manufacturing machinery.

As of 1892, the earliest date of readily ascertainable historical records for the northern parcel, this parcel on the west side of Water Street was a creamery. By 1907, the creamery was vacant and was demolished prior to 1913. After 1913, the parcel was occupied by a residence and a Baptist church. In 1972, this parcel is listed in a city directory as storage for Vaco Products and remained as such until sometime between 1984 and 1990.

The earliest date of readily ascertainable historical records for the eastern parcels, the portion of the Property on the east side of Water Street, was 1884. Since 1884, the parcels have been occupied by residences and a hotel. These buildings were demolished between 1968 and 1972 and the parcels were subsequently used as parking areas for the adjacent Vaco Products manufacturing facility.

The current building is heated with natural gas; however, some historical structures on the Property were documented to have used coal for heating. Additional undocumented heating sources may have been used in other historical structures on the Property.

At the time of SME's reconnaissance, the building on the Property was a vacant manufacturing facility which was being leased and used for machinery storage. A vacant lot and gravel driveway was located north of the manufacturing facility, and an asphalt parking lot was located on the east side of Water Street (eastern parcels). The remainder of the Property was paved with asphalt or concrete.

This assessment has revealed no evidence of recognized environmental conditions in connection with the Property, except for the following:

- Two previous environmental investigations were conducted on the Property. These investigations included soil borings and monitoring wells to evaluate some of the RECs listed below. Investigations by NTH Consultants, Ltd. in 2008 and ERM in 2010 indicated that volatile organic compounds (VOCs) (including toluene, ethylbenzene, xylenes, trichloroethylene, and vinyl chloride), PAHs (including benzo(a)pyrene, fluoranthene, and phenanthrene), and metals (including arsenic, copper, lead, mercury, selenium, silver, and zinc) were detected at concentrations exceeding Michigan's Generic Residential and Commercial I Cleanup Criteria established by under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act (NREPA) of 1994, PA 451, as amended (Part 201 criteria). Soil concentrations of VOCs, PAHs, and metals exceeded the drinking water protection (DWP) criteria, groundwater surface water interface protection (GSIP) criteria, and/or direct contact criteria (DCC). Groundwater concentrations exceeded the drinking water criteria (DWC) for trichloroethylene, vinyl chloride, and arsenic.
- The property was historically used for numerous commercial and industrial operations, many of which would have involved the storage and use of hazardous substances, as well as generation of waste materials. These historical commercial and industrial uses included, but are not limited to the following: a woolen mill, steam printing, agricultural implements store, tin shop, machine shop, bowling alley, auto repair facility, used car sales, photo finishing, printing, painting, wagon shop, hay rack factory, fire department, carpenter shop, and hand tool manufacturing. Limited information exists regarding hazardous substance use, handling, and disposal as part of these commercial/industrial applications.

- The current manufacturing building contains several areas in which hazardous substances were known to have been used or stored in significant quantities, including an oil drum overflow pit, two coolant catch pits, a trichloroethylene (TCE) vapor polisher area, a black oxide coating area, and several material storage areas. The unknown material handling procedures, significant hazardous substances used, and varying structural conditions of these areas constitute areas in which hazardous substances may have been released to the subsurface.
- A former employee at the Property filed a complaint report with the Hillsdale County Health Department and Michigan Department of Environmental Quality (MDEQ) in 2006. The complaint reported that a former employee had dumped spent TCE out the back loading dock door and that during installation of a storm sewer in this area, workers found odorous soils in this area at six to eight feet below grade. A subsequent Phase II ESA confirmed the presence of TCE in soil and groundwater in this area. The report also indicated that a hole was drilled through the floor of the black oxide area to drain accumulated liquids through the floor and that oil leaked through the floor in the draw furnace area.
- The owner questionnaire indicated the former presence of an on-site septic field or dry well; monitoring wells; underground sumps, lines, basins, or tanks; above ground and underground storage tank(s); and barrel or drum storage areas throughout the current building. Follow-up interviews of the owner's representative and former site manager indicated the specific locations of some of these structures or areas was not known; therefore, the potential exists for subsurface contamination throughout the manufacturing plant for the above noted items to impact soil and/or groundwater.
- A former gas station was located on the northwest corner of Chicago and Water Streets, which is within the footprint of the existing manufacturing building. Limited information is available regarding the soil and/or groundwater conditions in the area of this former gas station.
- Several pole mounted electrical transformers on the west side of the building were documented as formerly containing polychlorinated biphenyls (PCBs). The transformers were drained and filled with non-PCB oil in 1999; however, there is a potential that a historical release may have occurred.
- An open LUST site, a former manufacturing facility which produced automobile parts, and a former manufacturing facility which produced store display fixtures are located on the south side of Chicago Street, immediately south of the Property. Limited or no information regarding the conditions at these sites was available. Furthermore, three underground storage tanks are depicted in the Chicago Street right-of-way in historic Sanborn Fire Insurance Maps. If releases from these sources have occurred, impacted groundwater could migrate to the Property.

- The general soil profile from soil borings performed by others indicated that up to eight feet of fill material containing brick, slag, cinders, coal, and other debris exists across the Property. In addition, numerous structures were demolished at the Property since the late 1800's. The nature and extent of backfill material used is undocumented. Fill material of this nature commonly contains hazardous substances such as polynuclear aromatic hydrocarbons (PAHs) and metals.

The User acquiring the Property is the sole party responsible for complying with AAI requirements for Landowner Liability Protection (LLP) under CERCLA as an Innocent Purchaser, Bona Fide Prospective Purchaser, or Contiguous Property Owner, as applicable. The completion of a Phase I ESA, with statement by an Environmental Professional (EP) that it is compliant with AAI and/or the ASTM E 1527-05 Practice, may not be sufficient to provide CERCLA LLP.

SME's Project Team was as follows:

Preparer:	Casey E. Smith
Environmental Professional (EP):	Brian S. Trent, P.E.
Senior Technical Reviewer:	Keith Egan, Ohio CP#259



## 2.0 INTRODUCTION

SME performed a Phase I Environmental Site Assessment (ESA) of the Former Klein Tools property located at 121 Water Street in the Village of Jonesville, Hillsdale County, Michigan, hereinafter referred to as “the Property”. The Phase I ESA was conducted according to the ASTM International (ASTM) Practice E 1527-05 (Practice), which is accepted in the U.S. Environmental Protection Agency regulations as satisfying one component of the requirements of All Appropriate Inquiries (AAI) under the Comprehensive Environmental Response, Compensation and Liability Act, as amended (CERCLA).

Satisfying AAI is one component of the requirements for a Prospective Purchaser to qualify for the Bona Fide Prospective Purchaser (BFPP), Contiguous Property Owner, or Innocent Landowner defense to CERCLA liability. For properties known to be contaminated with hazardous substances, or petroleum, the Prospective Purchaser also must comply with the continuing obligations defined in CERCLA to maintain the landowner liability protection (LLP) to CERCLA.

Mr. Adam Smith, Village Manager, on behalf of the Village of Jonesville (the User), authorized the conduct of this Phase I ESA to identify and evaluate potential environmental concerns associated with the Property prior to purchase of the Property. SME was retained to conduct this Phase I ESA in accordance with our November 11, 2010, proposal number G10-0252.

### **2.1 Purpose**

The purpose of this Phase I ESA was to satisfy relevant AAI requirements for qualifying the User of this report for applicable landowner liability protections under CERCLA (42 U.S.C. 9601). One of the primary objectives was to identify recognized environmental conditions (RECs) in connection with the Property and assess the relative significance of the identified REC(s). The Practice defines a REC 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 a 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 in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.*

*\*For the purposes of this Phase I ESA, a hazardous substance is a substance as defined in the ASTM Practice E 1527-05.*

## **2.2 Detailed Scope of Services**

This Phase I ESA was conducted in conformance with the ASTM Standard Practice on Environmental Site Assessments for Commercial Real Estate designation E 1527-05, “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.” This Phase I ESA does not address the non-scope considerations as defined by Section 13 of the Practice.

## **2.3 Significant Assumptions**

Pursuant to the Practice, SME assumes that the information provided by all sources and parties, including the User, is accurate and complete, except where obvious inconsistencies or inaccuracies were identified.

## **2.4 Limitations and Exceptions**

One limitation was encountered during site reconnaissance activities. Idle machinery and supplies stored within the manufacturing building prevented observation of the floor. The Practice’s scope of services was implemented.

## **2.5 Special Terms and Conditions**

No special terms and conditions were imposed on SME as part of this Phase I ESA.

## **2.6 Reliance**

SME has prepared this report to be used and relied upon solely and exclusively by the Village of Jonesville (the User), in accordance with terms and conditions agreed upon for the project. No other party may rely upon SME’s opinions, conclusions or reports unless SME has agreed to such reliance in writing.

### **3.0 PROPERTY DESCRIPTION**

The following are descriptions of the Property, uses and conditions of the Property, and uses of the adjoining sites at the time of this Phase I ESA. Photographs of the Property and surrounding areas are included in Appendix B.

#### **3.1 Property Location and Legal Description**

The Property is collectively known as 121 Water Street in the Village of Jonesville, Hillsdale County, Michigan; however, the Property is comprised of four legal parcels, as follows:

- 06-060-001-038 - Main parcel which contains the factory building;
- 06-060-001-004 - Vacant parcel to the north of a Consumers Energy electrical substation and the main plant parcel;
- 06-060-001-036 - Northern parking lot parcel at the southeast corner of Water Street and North Street
- 06-060-001-034 – Southern parking lot parcel on the east side of Water Street, north of the unnamed alley.

The legal descriptions of the Property are attached in Appendix C.

#### **3.2 Property and Vicinity Characteristics**

The Property consists of four separate parcels of land. The main parcel comprises one industrial building, which was formerly used as a manufacturing facility and is currently used for storage of machinery and supplies. The remainder of this parcel is comprised of asphalt or concrete paved driveways. The building is primarily one story; however a second story office area is located on the northeast portion of the building. The main floor of the building is approximately 64,100 square feet, with an approximately 4,400 square foot second story office area. The northern parcel of the Property is a vacant lot, which is located north of a parcel owned by Consumers Energy. The Consumers Energy parcel is between the main parcel and the north parcel of the Property. The two parcels east of Water Street are asphalt paved parking lots. The surrounding area is comprised of primarily commercial properties to the east, west, and south and residential properties to the north.

A current Property Features Diagram was developed from the observations, field notes, photographs, and/or historical information collected during conduct of this Phase I ESA. It is included as Figure 2 in Appendix A.

**3.3 Current Use of the Property**

The Property is located adjacent to the St. Joseph River, north of Chicago Street/US-12 and on both the west and east sides of Water Street. The building on the main parcel is currently leased and used for storage of machinery and supplies. The remaining portions of the Property include a vacant lot and a parking lot.

The plant building is built slab-on-grade with steel and cinder block construction. The building is serviced by natural gas and electricity and by municipal storm and sanitary sewers and water service.

**3.4 Current Uses of the Adjoining Sites**

Known current uses of adjoining sites are summarized in the following table:

<b>Direction</b>	<b>Name Address</b>	<b>Activity</b>
North of parcel 06-060-001-038	Consumers Energy substation, then Klein Tools vacant parcel	Electrical Substation
North of parcel 06-060-001-004	Residential (205 Water Street)	Residential
East of parcels 06-060-001-038 and 06-060-001-004	Water Street, then a vacant lot to the east of parcel 06-060-001-004 and a Bar and Grill being rebuilt after a recent fire (205 East Chicago Street) to the east of parcel 06-060-001-038.	Restaurant, Offices, and Commercial
East of parcels 06-060-001-036 and 06-060-001-034	Unnamed building (206 North Street), Fayette Township Hall (211 North Street), and a Village Parking Lot.	Commercial, Offices, and Parking Lot
South of parcel 06-060-001-038	Mixed use commercial building (100 and 110 West Street)	Commercial
South of parcel 06-060-001-034	A Bar and Grill being rebuilt after a recent fire (205 East Chicago Street), then East Chicago Street.	Restaurant

West of parcels 06-060-001-036 and 06-060-001-034	Water Street, then Klein Tools main parcel with manufacturing building (121 Water Street)	Industrial
West of parcels 06-060-001-038 and 06-060-001-004	St. Joseph River then the Jonesville Lumber Company (108 West Chicago Street)	River and Lumber Yard

## 4.0 USER PROVIDED INFORMATION

As part of AAI the User has the statutory responsibility, above and beyond the Phase I ESA conducted under supervision of an EP, to provide information about the following issues in support of all appropriate inquiry into environmental conditions on the Property:

- Reason for this Phase I ESA;
- Environmental cleanup liens and activity/use limitations (AULs) recorded for the Property;
- Specialized knowledge and experience of the User indicative of potential RECs associated with the Property;
- Relationship of purchase price to market value;
- Commonly known or reasonably ascertainable information about environmental conditions on the Property; and
- Legal/administrative proceedings related to hazardous substances, petroleum products, or environmental compliance issues in, on or emanating from the Property.

The User information was provided through completion of the **User Questionnaire** attached in Appendix D. Information provided by Mr. Adam Smith, Village Manager for the Village of Jonesville (User's representative) is summarized in the following subsections.

### **4.1 Reason for the Phase I ESA**

Mr. Smith reported that the reason for this Phase I ESA of the Property was to support the User's all appropriate inquiry into environmental conditions of the Property, a component of the User's effort to qualify for one of the landowner liability protections to CERCLA applicable to the planned purchase of the Property.

### **4.2 Recorded Environmental Cleanup Liens and AULs**

Mr. Smith reported that a review of recorded land title records for the Property was not conducted. This represents a data gap with respect to AAI and is discussed in Section 8. The lack of review of land title records is not a suspect REC because other sources were available to determine RECs in connection with the Property.

#### **4.3 Specialized Knowledge and Experience**

Mr. Smith reported that he was aware through discussions with citizens that a gas station was historically located on the Property at the corner of Water Street and Chicago Street (US-12). The presence of a former gas station on the Property is a suspect REC in connection with the Property.

#### **4.4 Relationship of Purchase Price to Value**

Mr. Smith reported that the purchase price of the Property was significantly below fair market value. The reduced purchase price was reported to be the result of a tax benefit for the seller and that the property was being sold to a local unit of government.

#### **4.5 Commonly Known or Reasonably Ascertainable Information**

Mr. Smith reported that he has become aware of information indicating the Property is contaminated. Mr. Smith also indicated that a gas station was historically present along Chicago Street/US-12, as discussed in Section 4.3.

#### **4.6 Proceedings Involving the Property**

Mr. Smith, based on personal knowledge and experience related to the Property, reported one known pending, threatened, or past litigation, administrative proceedings, or violations of environmental laws and regulations related to hazardous substances or petroleum products in, on, or arising from the Property. The MDEQ investigated a complaint of chemical dumping from a former employee. This reported complaint is a suspect REC in connection with the Property, and is discussed in more detail in subsequent sections of this report.

## 5.0 RECORDS REVIEW

### 5.1 Environmental Record Sources

SME retained Environmental Data Resources, Inc. (EDR) to query the state, federal, and tribal regulatory agency databases described in the Practice to identify regulated and/or environmentally impacted sites within the specified approximate minimum search distances. EDR also queried other readily available regulatory agency databases beyond those required by the Practice. The queried databases and associated search radii are listed in the EDR report (Appendix E). The EDR report includes site maps indicating the location of these listed sites relative to the Property, and dates the lists were updated.

A summary of listed sites of concern determined by SME to be suspect RECs is presented in the table included in this subsection. Unmapped sites, as identified by EDR, are sites, which for various reasons cannot be mapped through the EDR query system. Where possible, SME attempted to locate the reported unmapped sites. Unmapped sites determined by SME to be within the applicable approximate minimum search distance(s) and to be suspect RECs are also included in the table. Acronyms used in the table are defined in the EDR report.

Based on their distance from the Property, the groundwater flow direction, and the presence of a regional groundwater discharge location (the St. Joseph River) adjoining the Property to the west, the remaining sites do not appear to represent suspect RECs in connection with the Property. In SME's opinion, based on environmental data already available for the Property, it was not necessary to review records for these sites.

#### LISTED SITES OF CONCERN (SUSPECT RECS)

Site Name and Address	Approximate Distance and Direction from Property <sup>1</sup>	Name of List <sup>2</sup>
Klein Tools (121 Water Street)	Subject Property	AIRS, PCB Transformer, RCRA- NonGen, FINDS
Pipeline Oil Sales (100 East Chicago Street)	100 feet South	LUST, UST

<sup>1</sup>EDR sites are mapped by address. Distances and/or site directions listed above may be adjusted from those reported by EDR to better represent field conditions and potential site boundaries.

<sup>2</sup>Definitions of acronyms and lists are presented in the EDR report.



**Klein Tools**, located at 121 Water Street, the Property, is listed in the **AIRS, PCB Transformer, RCRA-NonGen, and FINDS** databases. The database report indicates that the AIRS and FINDS database inclusions are due to its former permitted coating operation, which required an air permit. No violations were listed in the database search. Information in the database report and available records for the PCB transformer indicates that PCB-containing transformers were present on the Property, but the oil was replaced with non-PCB-containing oil in 1999. The transformers were retested in 2000 and were shown to be free of detectable concentrations of PCBs. Due to the potential for historic leakage, the former PCB-containing transformers are a suspect REC in connection with the Property. The RCRA-NonGen inclusion in the database report is due to Klein's former large quantity generator status. Several minor violations were filed relating to paperwork requirements; however, there were no indications that Klein handled hazardous waste in a manner that would create a potential for subsurface contamination.

**Pipeline Oil Sales**, located at 100 East Chicago Street (south of the Property across Chicago Street), is listed in the **UST and LUST** databases. This site is an open leaking underground storage tank (LUST) site and was formerly the Jonesville Marathon gas station, Facility ID #00002099. This site has since been redeveloped as a mixed use commercial building. The database report indicates that one 4,000-gallon gasoline UST was removed from the ground on December 1, 1988, and four 4,000-gallon gasoline USTs were removed from the ground on December 1, 1989. A release report was filed December 24, 1989. An MDEQ file review completed by others in November 2008 indicated that the MDEQ sent a letter to Pipeline Oil Sales in 2002 requesting to receive a copy of a hydrogeological report when completed. No report was on file at that time. Due to this site's close proximity to the subject Property and unknown conditions at this site, SME considers the former Jonesville Marathon LUST site a suspect REC in connection with the Property.

## **5.2 Additional Environmental Record Sources**

### **5.2.1 County Environmental Health Department**

On December 20, 2010, SME contacted the Hillsdale County Environmental Health Department via facsimile transmission and requested all available information pertaining to environmental concerns associated with the Property and surrounding area, including information on septic systems and water wells, if any, located on the Property.

The Hillsdale County Environmental Health Department provided a notice of migration of contamination and related site maps for the Property. The notice is dated May 13, 2010, and is for a trichloroethylene and vinyl chloride release on the western side of the manufacturing building. The available information in the Health Department file indicates that trichloroethylene and vinyl chloride are migrating to the St. Joseph River; however, the concentrations were below the MDNRE Part 201 generic groundwater surface water interface criterion.

### **5.2.2 Fire Department**

On December 20, 2010, SME contacted the Village of Jonesville Fire Department via telephone to request all available records associated with the Property. A Fire Department representative was not available at that time and SME left a telephone voicemail message. SME made several attempts to connect with the Fire Department; however, as of the time of this report, the Fire Department had not responded to the message.

### **5.2.3 MDNRE Geological Survey Division**

EDR queried the MDNRE-Geological Survey Division's (GSD) Oil and Gas Information System – Online Data Query for oil and gas permits/wells within a one-mile radius of the Property. According to the EDR report, no known oil and/or gas well permits were recorded within a one-mile radius of the Property.

### **5.2.4 Other Record Sources**

No other record sources were contacted as part of this Phase I ESA.

## **5.3 Physical Setting Source(s)**

### **5.3.1 USGS – Current 7.5 Minute Topographic Map**

SME reviewed a United States Geological Survey (USGS) topographic map to evaluate the physical setting of the Property. According to the USGS 7.5 minute series Topographic Map Hillsdale Quadrangle, Michigan, compiled in 1959, photorevised 1979, the Property is shown as generally flat with a steep downward slope toward the St. Joseph River, located along the western Property boundary. The site is at an elevation of approximately 1,070 feet above mean sea level (MSL). The Property was located in an urban area within the Village of Jonesville.

### 5.3.2 Other Non-Practice Physical Setting Sources

Based on previous soil borings performed at the Property by others, the general soil profile consists of up to eight feet of surficial fill material containing brick, slag, cinders, coal, and other debris, which overlies a gravel unit of unknown thickness, but extends to at least 16 feet below ground surface. At some locations, an organic silt and/or peat layer was reported at an elevation appearing slightly higher than the St. Joseph River elevation. Groundwater was reportedly encountered on the Property at approximately 10 feet below ground surface and flows to the west-northwest toward the St. Joseph River.

The documented presence of fill material containing brick, slag, cinders, coal, and other debris is a suspect REC in connection with the Property.

## 5.4 Historical Use Information for the Property

The objective of consulting historical record sources is to develop a history of the Property's previous uses to help identify the likelihood of past uses having led to RECs in connection with the Property. The information reviewed was from reasonably ascertainable standard sources, defined in the Practice as publicly available, obtainable from its source within reasonable time and cost constraints, and practicably reviewable.

Data failures encountered, as defined by the Practice, are described under each appropriate Practice historical source. The Practice requires review of only as many of the standard historical sources as are reasonably ascertainable and likely to be useful.

### 5.4.1 Standard Historical Sources

The sources reviewed to determine the historical uses of the Property and related environmental issues are summarized below. Copies of source documents are included in Appendix C. A summary of findings from these reviews is presented in section 5.4.2.

- **Aerial Photographs:** SME reviewed aerial photographs, obtained from EDR, dated 1938, 1950, 1955, 1963, 1969, 1978, 1992, and 1997.
- **Fire Insurance Maps:** SME obtained Sanborn® Fire Insurance Maps of the Property area, obtained from EDR, dated 1884, 1892, 1897, 1907, 1913, 1922, and 1938.
- **Property Tax Files:** SME visited the Hillsdale County website and requested all available records pertaining to the Property. SME reviewed the provided records, which were comprised of parcel summaries, legal descriptions, and limited tax assessment information.
- **Recorded Land Title Records:** SME did not review land title records because information regarding the history of the Property was obtained from other historical

sources identified herein. In addition, land title records typically provide information regarding ownership, but not use, of a property.

- **USGS Topographic Maps:** SME reviewed the USGS 7.5 minute series Topographic Map Hillsdale Quadrangle, Michigan, compiled in 1959 and 1959, photorevised 1979.
- **Local Street Directories:** SME reviewed local Robinson’s and Bresser’s street directories, obtained by EDR, for the years 1961, 1963, 1968, 1972, 1976, 1980, 1984, 1990, 1994, 1998, 2003, and 2008.
- **Building Department Records:** SME obtained building records from Klein Tools’ on site library of building and property information. SME reviewed the provided records, which were comprised of site drawings, building layouts, correspondence, and area maps.
- **Zoning/Land Use Records:** SME reviewed a zoning map on the Village of Jonesville website. According to the zoning map, the Property was zoned I-1, Light Industrial on the west side of Water Street and CBD, Central Business District on the east side of Water Street.
- **Other Historical Sources:** SME did not review other historical sources because sufficient information regarding the history of the Property was obtained from the aforementioned historical sources.

#### 5.4.2 Historical Usage Summary

A summary of historical usage of the Property, back to 1884, the date of earliest readily available records as described above, is presented in the following table:

**HISTORICAL USAGE SUMMARY**

<b>Year / Period</b>	<b>Identified / Inferred Use</b>	<b>Source (Date)</b>
1884	Jonesville Woolen Mill (labeled as old and unoccupied) on center of property; restaurant, hand engineering, steam printing, and meat market along Chicago Street; dwelling and hotel on east side of Water Street.	Sanborn Map (1884)
1892	Old Woolen Mill now labeled as “vacant – ruin of fire”; restaurant, fire house, steam printing, hardware store, and tin shop along Chicago Street; two dwellings on east side of Water Street (former hotel was converted into a dwelling); and a creamery shown on the northernmost parcel.	Sanborn Map (1892)

<b>Year / Period</b>	<b>Identified / Inferred Use</b>	<b>Source (Date)</b>
1897	A photo shop was added along Chicago Street and a steam laundry is present at the location of the former Woolen Mill.	Sanborn Map (1897)
1907	The creamery on the northernmost parcel and the steam laundry are vacant. A shed, ice house, agricultural implements store, wagon shop, bowling alley, paint shop, and a dwelling are present on the Property. The restaurant, tin shop, and hardware shop are gone.	Sanborn Map (1907)
1913	A dwelling is now present on the northernmost parcel; a machine shop was erected in the central portion of the parcel in the location of the former shed. The dwelling along Chicago Street is now a laundry cleaning and pressing business, a town hall is now located with the fire department, and a tin shop and printing shop are now located at the corner of Chicago Street and Water Street.	Sanborn Map (1913)
1922	A carpenter shop and auto garage are now located along the St. Joseph River; a hardware shop is located at the corner of Chicago Street and Water Street along with the tin shop; agricultural implements shop is gone; wagon shop is vacant; machine shop became an auto repair shop on Water Street.	Sanborn Map (1922)
1938	A hay rack factory is located in the north-central portion of the property, a machine shop occupies the former auto repair shop on Water Street; along Chicago Street is an auto sales business, auto repair garage, fire department, and lodge/hall.	Sanborn Maps (1938)
1945-1962	Original Vaco Products building was built and became operational in 1945 in the central portion of the Property.	Aerial Photographs (1950, 1955)  City Directory (1961)  Building Records (dated 9/1973)
1961 - 1968	The northernmost parcel is listed as Jonesville Baptist Church.	City Directory (1961, 1963, 1968)

<b>Year / Period</b>	<b>Identified / Inferred Use</b>	<b>Source (Date)</b>
1962 - 1967	A large building addition was added on the north side of the Vaco Products building.	Aerial Photograph (1963)  Building Records (dated 9/1973)
1967	A large building addition was added on the south side of the Vaco Products building.	Building Records (dated 9/1973)
1968	A building addition was added on the northeast side of the Vaco Products building and the southernmost parcel on the east side of Water Street was used as a parking lot for Vaco Products (residence demolished).	Building Records (dated 9/1973)  City Directory (1968)  Aerial Photograph (1969)
1969	A building addition was added on the central portion of the Vaco Products building along Water Street.	Building Records (dated 9/1973)  Aerial Photograph (1969)
1972	The northernmost parcel on the east side of Water Street was no longer listed (formerly listed as a residence); the northern parcel is listed as storage for Vaco Products; and the fire department along Chicago Street was now listed as Vaco Products storage.	City Directory (1972)
1973-1986	The final large building addition was added in 1973 on the Vaco Products building along Chicago Street. The building was not significantly altered beyond this final addition.	Aerial Photograph (1978)  Building Records (dated 9/1973)

Year / Period	Identified / Inferred Use	Source (Date)
1986 - 2010	Klein Tools, Inc. purchased, and operated, the Property from 1986 until 2008. In 2008, the building became vacant; however, Klein Tools, Inc. continued to own the Property. No additions or demolitions of structures occurred during this time.	Property Tax Information  City Directories (1990, 1994, 1998, 2003, 2008)  Aerial Photograph (1992, 1997)

The property was historically used for numerous commercial and industrial operations, many of which would have involved the storage and use of hazardous substances, as well as generation of waste materials. These historical commercial and industrial uses included, but are not limited to the following: a woolen mill, steam printing, agricultural implements store, tin shop, machine shop, bowling alley, auto repair facility, used car sales, photo finishing, printing, painting, wagon shop, hay rack factory, fire department, carpenter shop, and hand tool manufacturing. Limited information exists regarding hazardous substance use, handling, and disposal as part of these commercial/industrial applications; therefore, SME considers this a REC in connection with the Property.

One data failure/data gap was encountered during the historical property research. The first known use of the Property prior to 1884 could not be identified; however, historic Property uses prior to 1884 are unlikely to reveal additional RECs that would change the conclusion of this Phase I ESA.

The current building is heated with natural gas; however, some historical structures on the Property were documented to have used coal for heating. Additional undocumented heating sources may have been used in other historical structures on the Property.

### 5.4.3 Historical Use Information About Proximate Sites

An attempt was made to assess the historical uses of proximate sites by reviewing records referenced in Section 5.4. A summary of proximate sites of concern (suspect RECs), as identified only to the extent that this information was revealed in the course of researching the Property itself, is presented in the table below:

<b>Year / Period</b>	<b>Identified / Inferred Use (Relationship to Property)</b>	<b>Source (Date)</b>
1922	Universal Body Company – manufactured automobile parts (South adjoining property across Chicago Street from the main parcel #06-060-001-038)	Sanborn Map (1922)
1938	Varnum Manufacturing Company – manufactured store display fixtures (South adjoining property across Chicago Street from the main parcel #06-060-001-038)	Sanborn Map (1938)



## **6.0 SITE RECONNAISSANCE**

The site reconnaissance was conducted to identify evidence of the presence of suspect RECs in connection with the Property. Descriptions of the current Property use and conditions, including the use, storage, and/or treatment of hazardous substances and/or petroleum products and the generation, storage/accumulation, and/or disposal of chemical, petroleum or other contaminated wastes are presented in the following sections.

### **6.1 Methodology and Limitations**

On November 24, 2010, Mr. Casey Smith of SME conducted a reconnaissance of the Property to observe Property conditions and features in an effort to identify RECs in connection with the Property. SME was accompanied by Mr. Russell Winnie and Mr. Robert Newton of Klein Tools, Inc. during the reconnaissance. SME walked the interior of the building and the exterior portions of the property, where accessible. Photographs taken during the reconnaissance, which illustrate observed Property conditions and surrounding areas, are contained in Appendix B. One limitation was encountered during the site reconnaissance. Industrial machinery and other supplies stored within the building prevented observation of much of the floor area.

### **6.2 General Property Setting**

The Property is located on Water Street, north of Chicago Street/US-12. A majority of the Property was encompassed by a large manufacturing building on the west side of Water Street. The remaining portions of the Property include parcels that are either vacant (north parcel) or asphalt-paved parking lots (on the east side of Water Street). The surrounding area is predominately retail and commercial use to the east, west, and south, and predominately residential use to the north.

### **6.3 Exterior Observations**

The exterior grounds were comprised of an asphalt paved parking lot east of Water Street, a vacant lot and gravel drive north of the Consumers Energy electrical substation, and a large one story manufacturing building with a partial second floor office area on the main portion of the Property. Several loading docks were present on the north and west sides of the building and access doors were present on all sides of the building. The exterior of the building was comprised of brick and cinder block construction. During the Property reconnaissance, SME

observed no evidence of stained soils or pavements, or areas of stressed vegetation. In addition, SME observed no evidence of septic systems or water supply wells on the Property.

#### **6.3.1 Chemical Use and Storage**

SME observed no exterior use and/or storage of chemicals.

#### **6.3.2 USTs/ASTs**

SME observed no exterior evidence of USTs or ASTs.

#### **6.3.3 PCB Containing Equipment**

SME observed several pole mounted electrical transformers on the west side of the building. SME was provided documentation which indicated that these transformers formerly contained oil containing polychlorinated biphenyls (PCBs). The transformers were reportedly drained and filled with non-PCB oil.

#### **6.3.4 Pits, Ponds, and Lagoons**

SME observed no visual evidence of pits, ponds, or lagoons.

#### **6.3.5 Waste Generation, Treatment, Storage, and Disposal**

SME observed no exterior visual evidence of the generation, treatment, storage, or disposal of liquid or solid wastes.

#### **6.3.6 Other Exterior Features**

SME observed no other exterior features indicative of suspect RECs.

### **6.4 Interior Observations**

The building interior was comprised of second floor offices and main floor break rooms, restrooms, supervisor's offices, and manufacturing areas. The manufacturing area was subdivided based on former operations that included grinding and lathe areas, machine repair areas, metal finishing areas, plastic injection molding and finishing areas, and warehousing/storage areas. Oil staining from historical industrial activities was observed on the concrete floors and cinder block walls at numerous locations throughout the building. Currently, the building is used to store idle manufacturing machinery and supplies from a nearby manufacturing facility.

#### **6.4.1 Chemical Use and Storage**

SME observed the storage of manufacturing equipment containing oils throughout the building. Several machines were oily, with some oil-dripping to the concrete floor observed at the time of the reconnaissance. However, pooled liquids were not observed on the building floor and the machines were not in use. SME considers the presence of the machinery and minimal oil-dripping a *de minimis* condition.

#### **6.4.2 USTs/ASTs**

SME observed no evidence of USTs or ASTs in the building.

#### **6.4.3 PCB Containing Equipment**

SME observed no visual evidence of PCB containing equipment in the building.

#### **6.4.4 Drains and Sumps**

SME observed several in-floor pits/sumps in the building. However, a significant area of the building's floor was covered with machinery and supplies, therefore, additional drains and/or sumps may be present in the building. One pit was observed in the northern portion of the building, which was described by Klein Tools representatives as an oil drum overflow pit to catch excess spillage of cutting oil from 55-gallon drums within the manufacturing area. The pit was topped with an open metal grate and appeared to contain a concrete bottom. A second pit was observed in the west-central portion of the building and reportedly held an electric draw furnace. No oils were reportedly used in this pit and the furnace was entirely controlled using electricity. Two additional pits were observed in the central portion of the building that contained coolant splash and spray from machinery in this area. The pits were topped with open grates and appeared to each contain one sump open to the underlying soil. The oil drum overflow pit and the coolant catch pits are suspect RECs due to the potential for chemicals within these pits to migrate into soil and groundwater beneath the building.

#### **6.4.5 Waste Generation, Treatment, Storage, and Disposal**

SME observed no visual evidence of the generation, treatment, storage, or disposal of liquid or solid wastes, in the building.

#### **6.4.6 Heating/Cooling**

The building is heated using overhead natural gas-fired, forced-air furnaces and air handling units. Cooling in the office areas is through roof-mounted electric air conditioning units. Air conditioning is not present in the manufacturing area.

#### **6.4.7 Other Interior Features**

SME observed two other areas indicative of suspect RECs in the building, based on observations and discussions with Klein-Tools representatives during the reconnaissance. The first area was the former vapor polisher area. This area was in the southern portion of the building; however, the only remaining portion of this operation is a roof vent. The vapor polisher used TCE to chemically melt the surface of plastic screwdriver handles to create a glossy surface. The second area of concern was the former black oxide finishing area which was identified by an approximately one-foot high concrete containment wall. This area was immediately north of the southern loading docks against the western building wall. The containment area was reportedly used to contain fluids from the black oxide process, which included acid and salt etching of metal parts, followed by caustic neutralization.

#### **6.5 Adjoining Sites Observations**

SME observed adjoining sites from the Property boundaries and public right-of-ways for evidence of RECs. The reconnaissance did not include physically accessing the adjoining sites; therefore, SME was unable to view all portions of adjoining sites. SME observed no evidence of suspect RECs on adjoining properties. While a Consumers Energy substation is present north of the main parcel, the transformer equipment was on a pad in the central portion of the parcel, and SME did not observe any surface staining. Therefore, the substation was not identified as a REC.

## 7.0 INTERVIEWS

As part of the conduct of this Phase I ESA, SME interviewed the following pertinent individuals other than the User of this report:

- Current Property owner (or representative) – Russell Winnie; Director of Loss Prevention for Klein Tools, Inc.
- Current Property key site manager – Robert Newton; Former Jonesville Plant Manager for Klein Tools, Inc.

### **7.1 Interviews with Owner/Site Manager/Occupant**

A copy of SME's Property Owner/Occupant Questionnaire completed by Mr. Russell Winnie, Director of Loss Prevention for Klein Tools, Inc., is included in Appendix D. The Owner/Occupant Questionnaire was the primary source of interview information for this Phase I ESA. SME identified the following suspect RECs based on review of the Owner/Occupant Questionnaire.

- The former presence of an on-site septic field or dry well; monitoring wells; underground sumps, lines, basins, or tanks; above ground and underground storage tank(s); and barrel or drum storage areas.
- The current presence of transformers or capacitors containing PCB oils. No releases were reported.
- Former vapor polishing and black oxide coating processes.
- Use of trichloroethylene (TCE), anhydrous ammonia, lead, acids, caustics, cutting oils, lubrication oils, and rust preventative oils on the Property.
- A former "Sinclair Gas Station" was located on the corner of Chicago and Water Streets, under what is now the southeast corner of the manufacturing building.
- Former use or storage of damaged 55-gallon drums on the Property.
- Oil-stained floors and walls in the manufacturing building.
- Former completion of Phase I and II ESA on the property, which confirmed hazardous substances in excess of Part 201 Generic Residential Cleanup Criteria in soil and/or groundwater.

In addition, SME concurrently interviewed Mr. Russell Winnie and Mr. Robert Newton in person, seeking the following information:

- Whether Mr. Winnie or Mr. Newton knew of existence of environmental reports and permits; UST, AST, and underground injection system registrations; material safety data sheets; community right-to-know plans; safety and spill prevention plans; hydrogeologic reports; notices of past or current violations of environmental laws; hazardous waste generator notices or reports; geotechnical studies; risk assessments; and, recorded activity and use limitations.
- If Mr. Winnie or Mr. Newton had knowledge regarding historical use, occupants, and operations.
- Whether Mr. Winnie or Mr. Newton knew of any pending, threatened, or past litigation and/or administrative proceedings; or governmental notices regarding any possible violation of environmental laws or possible liability related to hazardous substances or petroleum products in, on, or from the Property.

Both Mr. Winnie and Mr. Newton knew of the suspect RECs identified previously in this section. In addition, they informed SME that a report was filed with the MDEQ several years prior, which reported that a former employee had dumped spent TCE out the back loading dock door. Mr. Winnie and Mr. Newton informed SME that a Phase II ESA was completed to investigate the TCE dumping allegation and that TCE was found in soil and groundwater; however, they recalled that the concentrations detected were not a concern. No other environmental information indicative of suspect RECs was obtained through the interviews.

### **7.2 Interviews with Local Government Officials**

SME telephoned the Village of Jonesville Fire Department; however, a Fire Department representative had not responded to SME's request for an interview by the time this report was published.

### **7.3 Interviews with Others**

No other interviews were performed as part of this Phase I ESA.

## 8.0 FINDINGS, OPINIONS, AND CONCLUSIONS

The Property is comprised of four parcels, the main parcel west of Water Street along the St. Joseph River, a small parcel to the north of the main parcel, and two parcels east of Water Street.

As of 1884, the earliest date of readily ascertainable historical records for the main parcel along the St. Joseph River, this parcel was occupied by the Jonesville Woolen Mill building located on the central portion of the parcel, as well as a restaurant, an engineering business, a steam printing business, and a meat market along Chicago Street. During the commercial/industrial history of this parcel, the following occupied the parcel after 1884: a fire house, hardware store, tin shop, photo shop, shed, ice house, agricultural implements store, wagon shop, bowling alley, paint shop, dwelling, machine shop, laundry cleaning and pressing business, printing business, carpenter shop, auto garage, hardware store, auto repair facility, hay rack factory, auto sales business, and lodge/hall. Vaco Products, a manufacturer of metal hand tools, operated on the Property from 1945 until 1986, when Klein purchased the Property and continued the manufacturing of hand tools until approximately 2008. Since 2008, a local manufacturer has leased the building for storage of idle manufacturing machinery.

As of 1892, the earliest date of readily ascertainable historical records for the northern parcel, this parcel on the west side of Water Street was a creamery. By 1907, the creamery was vacant and was demolished prior to 1913. After 1913, the parcel was occupied by a residence and a Baptist church. In 1972, this parcel is listed in a city directory as storage for Vaco Products and remained as such until sometime between 1984 and 1990.

The earliest date of readily ascertainable historical records for the eastern parcels, the portion of the Property on the east side of Water Street, was 1884. Since 1884, the parcels have been occupied by residences and a hotel. These buildings were demolished between 1968 and 1972 and the parcels were subsequently used as parking areas for the adjacent Vaco Products manufacturing facility.

The current building is heated with natural gas; however, some historical structures on the Property were documented to have used coal for heating. Additional undocumented heating sources may have been used in other historical structures on the Property.

At the time of SME's reconnaissance, the building on the Property was a vacant manufacturing facility which was being leased and used for machinery storage. A vacant lot and gravel driveway was located north of the manufacturing facility, and an asphalt parking lot was located on the east side of Water Street (eastern parcels). The remainder of the Property was paved with asphalt or concrete.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of the Former Klein Tools property, located at 121 Water Street, in the Village of Jonesville, Hillsdale County, Michigan, the Property. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Property, except for the following:

- Two previous environmental investigations were conducted on the Property. These investigations included soil borings and monitoring wells to evaluate some of the RECs listed below. Investigations by NTH Consultants, Ltd. in 2008 and ERM in 2010 indicated that volatile organic compounds (VOCs) (including toluene, ethylbenzene, xylenes, trichloroethylene, and vinyl chloride), PAHs (including benzo(a)pyrene, fluoranthene, and phenanthrene), and metals (including arsenic, copper, lead, mercury, selenium, silver, and zinc) were detected at concentrations exceeding Michigan's Generic Residential and Commercial I Cleanup Criteria established by under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act (NREPA) of 1994, PA 451, as amended (Part 201 criteria). Soil concentrations of VOCs, PAHs, and metals exceeded the drinking water protection (DWP) criteria, groundwater surface water interface protection (GSIP) criteria, and/or direct contact criteria (DCC). Groundwater concentrations exceeded the drinking water criteria (DWC) for trichloroethylene, vinyl chloride, and arsenic.
- The property was historically used for numerous commercial and industrial operations, many of which would have involved the storage and use of hazardous substances, as well as generation of waste materials. These historical commercial and industrial uses included, but are not limited to the following: a woolen mill, steam printing, agricultural implements store, tin shop, machine shop, bowling alley, auto repair facility, used car sales, photo finishing, printing, painting, wagon shop, hay rack factory, fire department, carpenter shop, and hand tool manufacturing. Limited information exists regarding hazardous substance use, handling, and disposal as part of these commercial/industrial applications.
- The current manufacturing building contains several areas in which hazardous substances were known to have been used or stored in significant quantities, including an oil drum overflow pit, two coolant catch pits, a trichloroethylene (TCE) vapor polisher area, a black oxide coating area, and several material storage areas. The unknown material handling procedures, significant hazardous substances used, and varying structural conditions of these areas constitute areas in which hazardous substances may have been released to the subsurface.
- A former employee at the Property filed a complaint report with the Hillsdale County Health Department and Michigan Department of Environmental Quality (MDEQ) in 2006. The complaint reported that a former employee had dumped spent TCE out the



back loading dock door and that during installation of a storm sewer in this area, workers found odorous soils in this area at six to eight feet below grade. A subsequent Phase II ESA confirmed the presence of TCE in soil and groundwater in this area. The report also indicated that a hole was drilled through the floor of the black oxide area to drain accumulated liquids through the floor and that oil leaked through the floor in the draw furnace area.

- The owner questionnaire indicated the former presence of an on-site septic field or dry well; monitoring wells; underground sumps, lines, basins, or tanks; above ground and underground storage tank(s); and barrel or drum storage areas throughout the current building. Follow-up interviews of the owner's representative and former site manager indicated the specific locations of some of these structures or areas was not known; therefore, the potential exists for subsurface contamination throughout the manufacturing plant for the above noted items to impact soil and/or groundwater.
- A former gas station was located on the northwest corner of Chicago and Water Streets, which is within the footprint of the existing manufacturing building. Limited information is available regarding the soil and/or groundwater conditions in the area of this former gas station.
- Several pole mounted electrical transformers on the west side of the building were documented as formerly containing polychlorinated biphenyls (PCBs). The transformers were drained and filled with non-PCB oil in 1999; however, there is a potential that a historical release may have occurred.
- An open LUST site, a former manufacturing facility which produced automobile parts, and a former manufacturing facility which produced store display fixtures are located on the south side of Chicago Street, immediately south of the Property. Limited or no information regarding the conditions at these sites was available. Furthermore, three underground storage tanks are depicted in the Chicago Street right-of-way in historic Sanborn Fire Insurance Maps. If releases from these sources have occurred, impacted groundwater could migrate to the Property.
- The general soil profile from soil borings performed by others indicated that up to eight feet of fill material containing brick, slag, cinders, coal, and other debris exists across the Property. In addition, numerous structures were demolished at the Property since the late 1800's. The nature and extent of backfill material used is undocumented. Fill material of this nature commonly contains hazardous substances such as polynuclear aromatic hydrocarbons (PAHs) and metals.

SME identified three data gaps in connection with this Phase I ESA. A chain-of-title search was not completed prior to the Phase I ESA completion, the first known use of the Property was not identified, and a local unit of government official was not interviewed. Several sources of information were used to compile a detailed history of the site; therefore, these data gaps did not impair SME's ability to identify RECs in connection with the Property.

SME identified one limitation in connection with this Phase I ESA. The building floor was substantially covered with machinery and supplies currently being stored in the building, which prevented observations of much of the building's floor. SME performed the site reconnaissance with a Klein staff member knowledgeable of the processes formerly employed and structures currently and formerly present in the building floor; therefore, this limitation did not significantly impair SME's ability to identify RECs in connection with the Property. Further, due to the historic industrial activities and other RECs identified in connection with the Property, it is unlikely that significant additional RECs would have been identified if the building's floor was not covered.

## 9.0 DEVIATIONS

No deviations occurred as part of this Phase I ESA.

## 10.0 ADDITIONAL SERVICES

No additional services were provided in conjunction with this Phase I ESA.

## 11.0 REFERENCES

ASTM International, **Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process**, November 1, 2005.

## 12.0 GENERAL COMMENTS

SME conducted this Phase I ESA to identify RECs in connection with the Property and to assess the relative significance of the identified RECs. The findings, opinions, conclusions, and recommendations presented in this report are based upon observations noted during the site visit, and information obtained during the performance of the scope of services on the dates indicated. In the process of obtaining the field and historical information in preparation of this report, procedures were followed that represent reasonable and accepted environmental practices and principles, in a manner consistent with that level of care and skill ordinarily exercised by members of these professions currently practicing under similar conditions. Records reviewed at various locations as identified within the text of this report, include only those records that were provided to SME by the referenced department on the date indicated. As such, the records provided to SME may not represent all records available at a given source. Appropriate inquiry was made into the past uses of the Property consistent with good commercial or customary practice. As is typical with Phase I ESAs, SME conducted no testing or subsurface evaluation for this assessment.

Due to unknown or latent conditions on the Property, or on adjacent or nearby properties, which may become evident in the future, SME does not represent the Property is free of contamination or hazardous waste material. It should also be noted the Property conditions may change over time. Should additional surface, subsurface, chemical, or other data become available after the date of issue of this report, the findings, conclusions and recommendations contained in this report may have to be modified. SME should be retained to review the new information and adjust our opinion and recommendations accordingly.

All reports, field data, field notes, laboratory test data, calculations, estimates and other documents prepared by SME as instruments of service are the property of SME. No parties other than those specifically identified in this report may rely upon SME's opinions, conclusions or reports unless SME has agreed to such reliance in writing. In any event, any reliance will be subject to the terms and conditions set forth in SME's General Conditions (01/09).

### SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

The Environmental Professional responsible for the conduct of this Phase I ESA was Mr. Brian S. Trent, P.E. The site reconnaissance and interviews were performed by Casey E. Smith. Senior review was performed by Mr. Keith Egan, Ohio CP#259. Resumes of the above are attached in Appendix F.

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

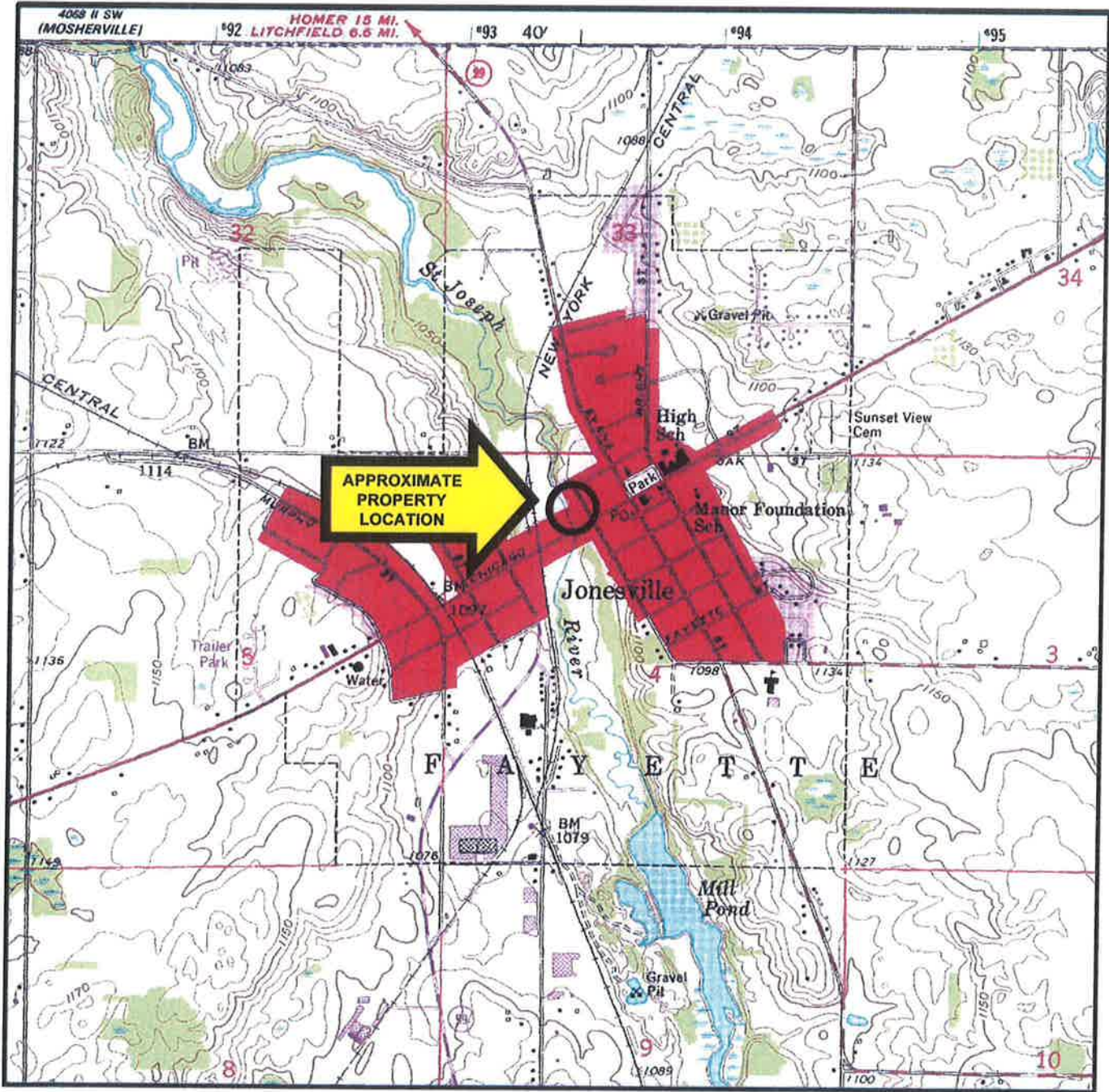


---

Brian S. Trent, P.E.  
Project Engineer

**APPENDIX A**

**FIGURES**



Base map obtained from USGS.

USGS QUADRANGLE(S) REFERENCED  
HILLSDALE (1979)



R:\61000\LE61837\DWGS\LE61837-Fig 1-topo.dwg

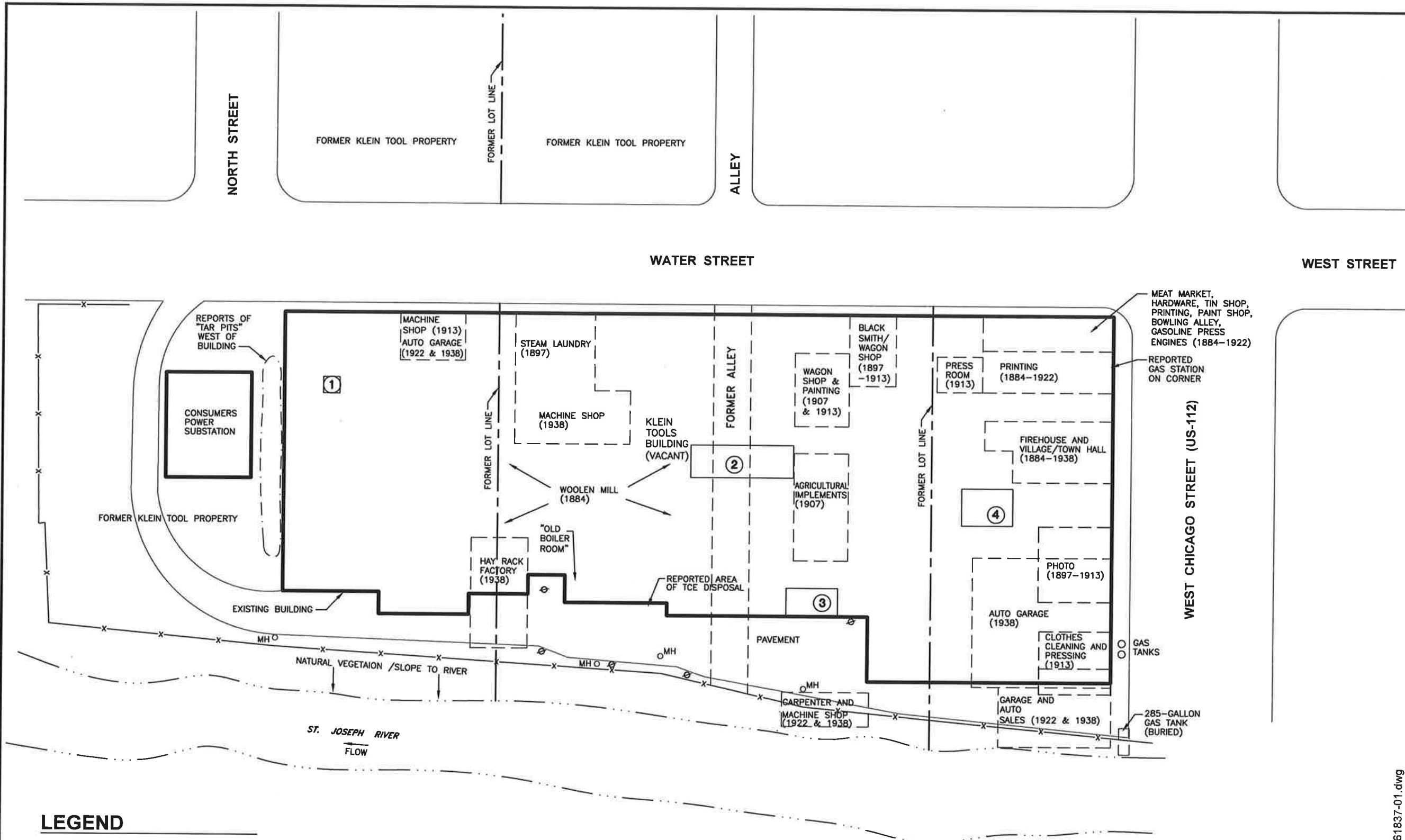


Indiana  
Michigan  
Ohio

Drawn By	JAB
Scale	1" = 2000'
Project	LE61837A

**USGS 7.5 MINUTE TOPOGRAPHIC MAP  
FORMER KLEIN TOOL PROPERTY  
121 WATER STREET  
JONESVILLE, MICHIGAN**

Figure No. 1

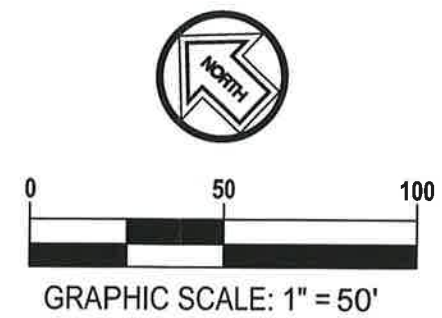


**LEGEND**

- x—x— FENCE
- - - - - EDGE OF WATER
- ⊕ POWER POLE
- MH○ STORM WATER MANHOLE

- ① OIL PIT
- ② COOLANT CATCH PITS
- ③ BLACK OXIDE AREA
- ④ FORMER TCE VAPOR POLISHER

NOTE:  
 1. DRAWING INFORMATION TAKEN FROM SOIL BORING/MONITORING WELL LOCATION MAP (DATED 4-13-10) PREPARED BY ERM AND BORING LOCATION PLAN (DATED 9-5-08) PREPARED BY NTH CONSULTANTS, LTD.



No.	Revision Date

**PROPERTY FEATURES DIAGRAM**  
**FORMER KLEIN TOOL PROPERTY**  
**121 WATER STREET**  
**JONESVILLE, MICHIGAN**

Date	12-28-10
Drawn By	JAB
Designed By	CES
Scale	1" = 50'
Project	LE 61837A

- plymouth
- bay city
- grand rapids
- indianapolis
- kalamazoo
- lansing
- shelby twp.
- toledo
- traverse city



Dec 28, 2010 - 10:51am - jblake  
 R:\61000\LE61837\DWGS\rev03\LE61837-01.dwg

Figure No. 2



**APPENDIX B**  
**PHOTOGRAPHS**



**PHOTO NO. 1:** View of east side of building.



**PHOTO NO. 2:** View of west side of building

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>



**PHOTO NO. 3:** View of north side of building.



**PHOTO NO. 4:** View of east parking lot parcels on Property and east adjoining properties (in background).

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>



**PHOTO NO. 5:** View of north parcel on Property



**PHOTO NO. 6:** View of north Property parcel and adjoining property (in background).

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>



**PHOTO NO. 7:** View of south adjoining property.



**PHOTO NO. 8:** View of west adjoining property (across St. Joseph River)

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>



**PHOTO NO. 9:** Pole-mounted transformers on west side of Property.



**PHOTO NO. 10:** Interior second floor office space.

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>



**PHOTO NO. 11:** Oil catch pit (north end of building).



**PHOTO NO. 12:** Coolant catch pits.

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>



**PHOTO NO. 13:** Former draw furnace area, with in ground pit.



**PHOTO NO. 14:** Machine repair area.

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>





**PHOTO NO. 15:** Oily machinery stored in building.



**PHOTO NO. 16:** Former oil drum storage area, area beneath floor is former boiler room, door to left is alleged TCE dumping area.

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>



**PHOTO NO. 17:** Machinery and supplies stacked in building.



**PHOTO NO. 18:** Southern loading dock area.

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>



**PHOTO NO. 19:** Catch basins that drain to St. Joseph River (to left).



**PHOTO NO. 20:** Reported trichloroethylene dumping area (adjacent to loading dock).

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>



**PHOTO NO. 21:** Water-filled former boiler room area.



**PHOTO NO. 22:** Monitoring well installed by others.

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>



**PHOTO NO. 23:** Mezzanine area and former vapor polisher area.



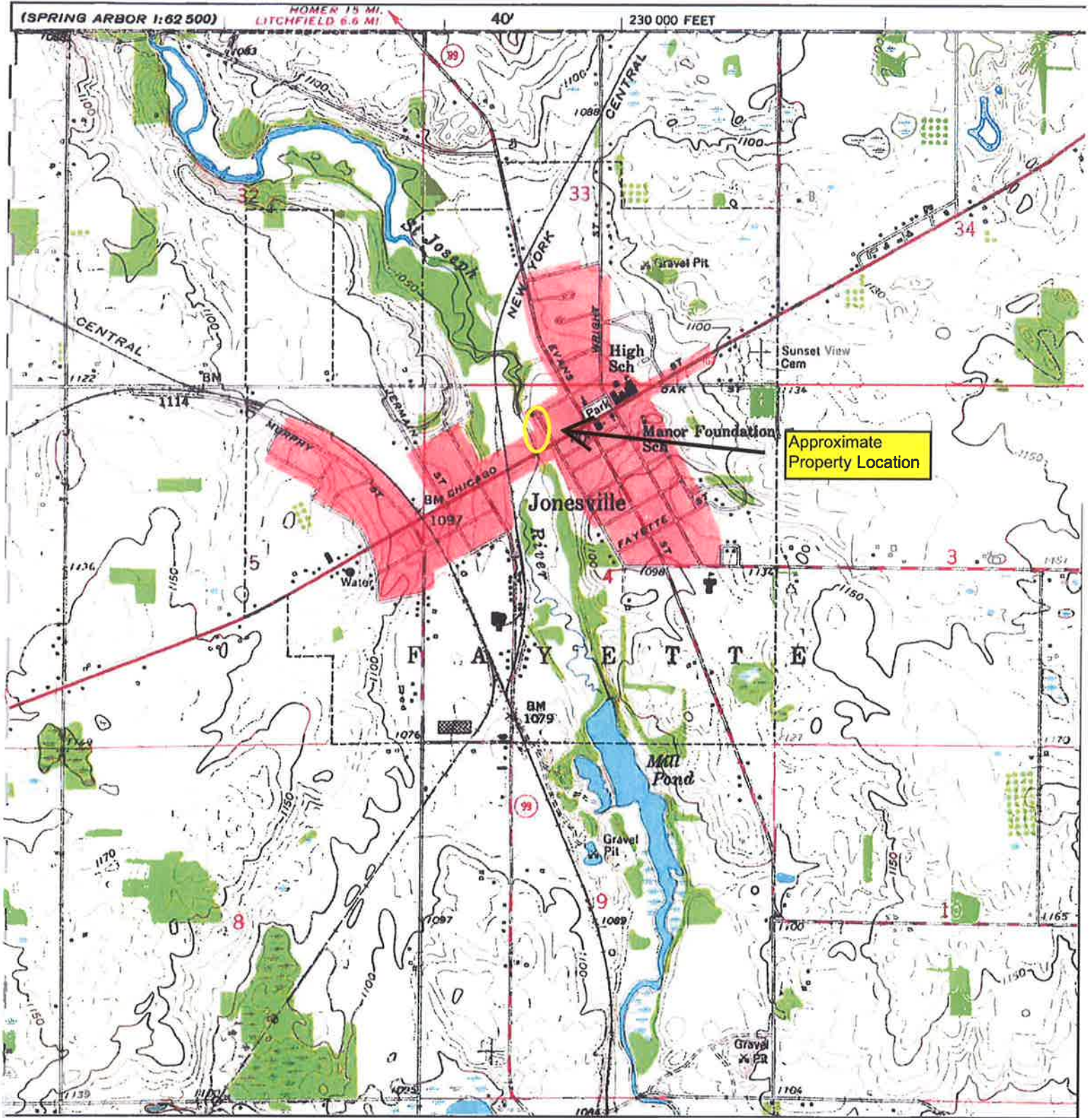
**PHOTO NO. 24:** Former manufacturing area.

<b>SME Project No.:</b>	<b>LE61837A</b>
<b>Photographs by:</b>	<b>Casey Smith</b>
<b>Date:</b>	<b>11/24/10</b>
<b>Project:</b>	<b>Former Klein Tools Property</b>
<b>Location:</b>	<b>Jonesville, Michigan</b>

**APPENDIX C**  
**HISTORICAL RESEARCH DOCUMENTATION**

**USGS TOPOGRAPHIC MAPS**

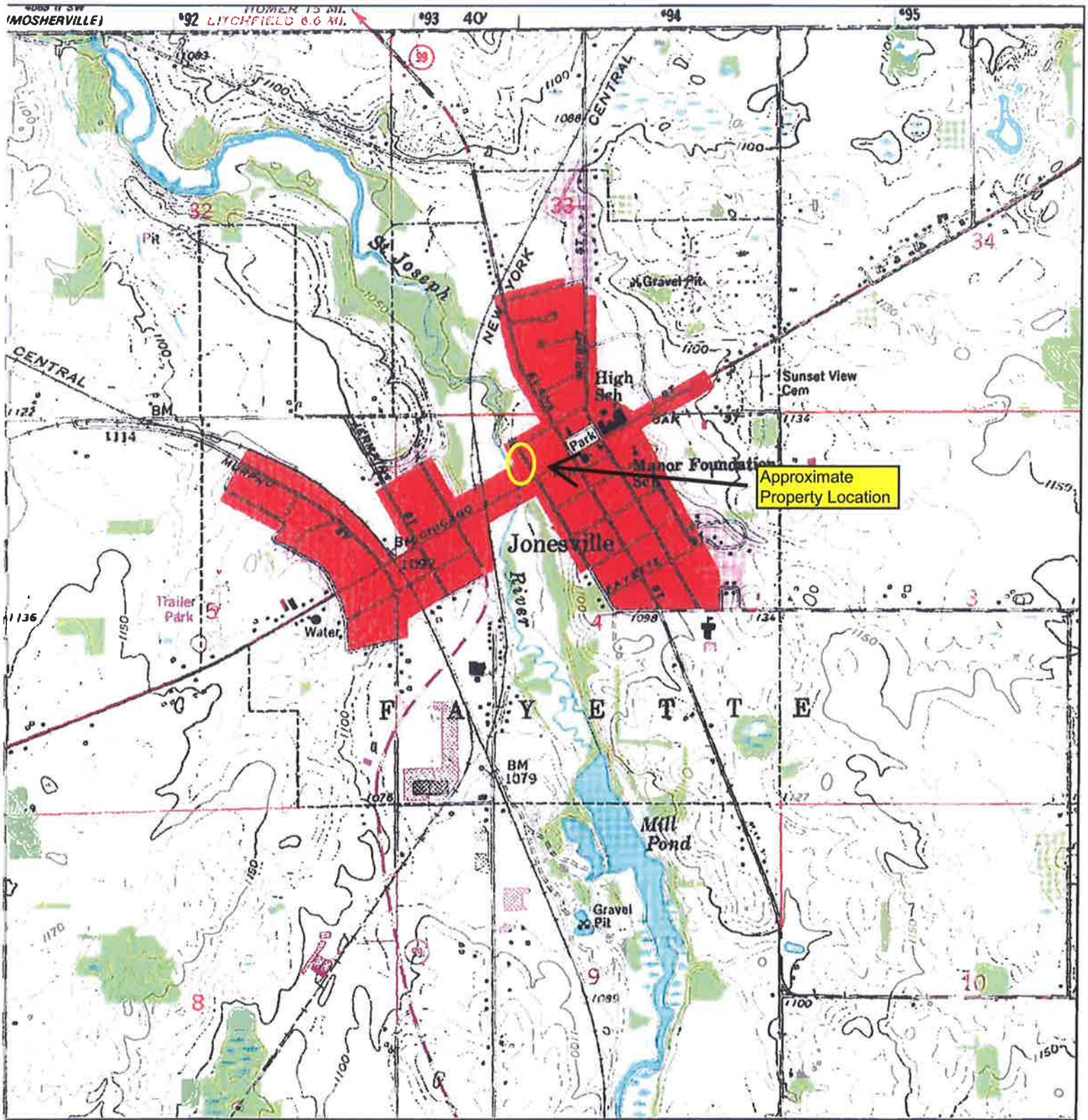
# Historical Topographic Map



<b>N</b> ↑	<b>TARGET QUAD</b> NAME: HILLSDALE MAP YEAR: 1959	<b>SITE NAME:</b> Klein Tools <b>ADDRESS:</b> 121 Water Street Jonesville, MI 49250
	<b>SERIES:</b> 7.5 <b>SCALE:</b> 1:24000	



# Historical Topographic Map



	TARGET QUAD	SITE NAME:	Klein Tools
	NAME: HILLSDALE	ADDRESS:	121 Water Street
	MAP YEAR: 1979		Jonesville, MI 49250
	PHOTOREVISED FROM: 1959		
	SERIES: 7.5		
	SCALE: 1:24000		

**AERIAL PHOTOGRAPHS**

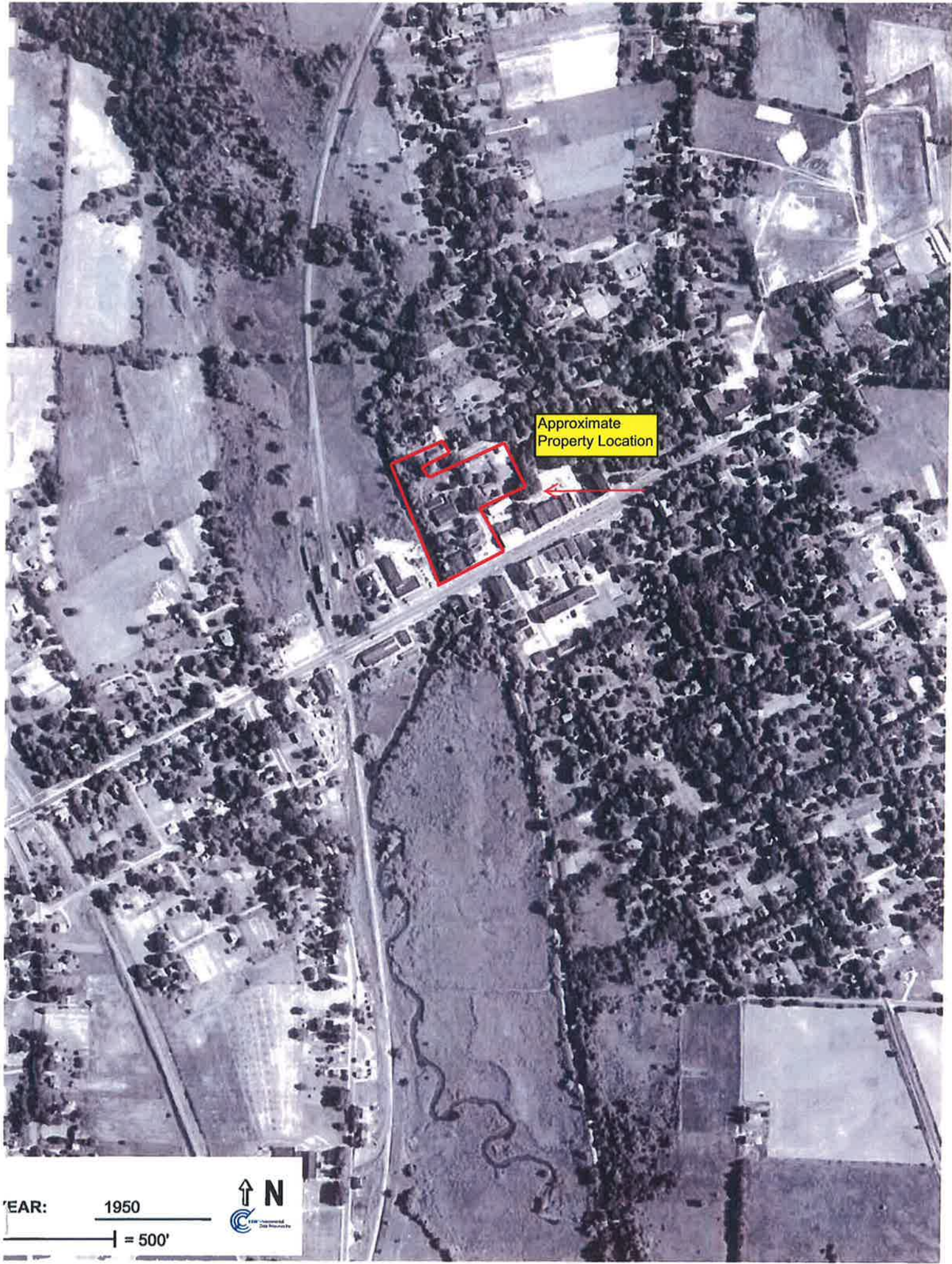


Approximate  
Property Location

YEAR: 1938

↑ N

500'



Approximate  
Property Location

YEAR: 1950

↑ N

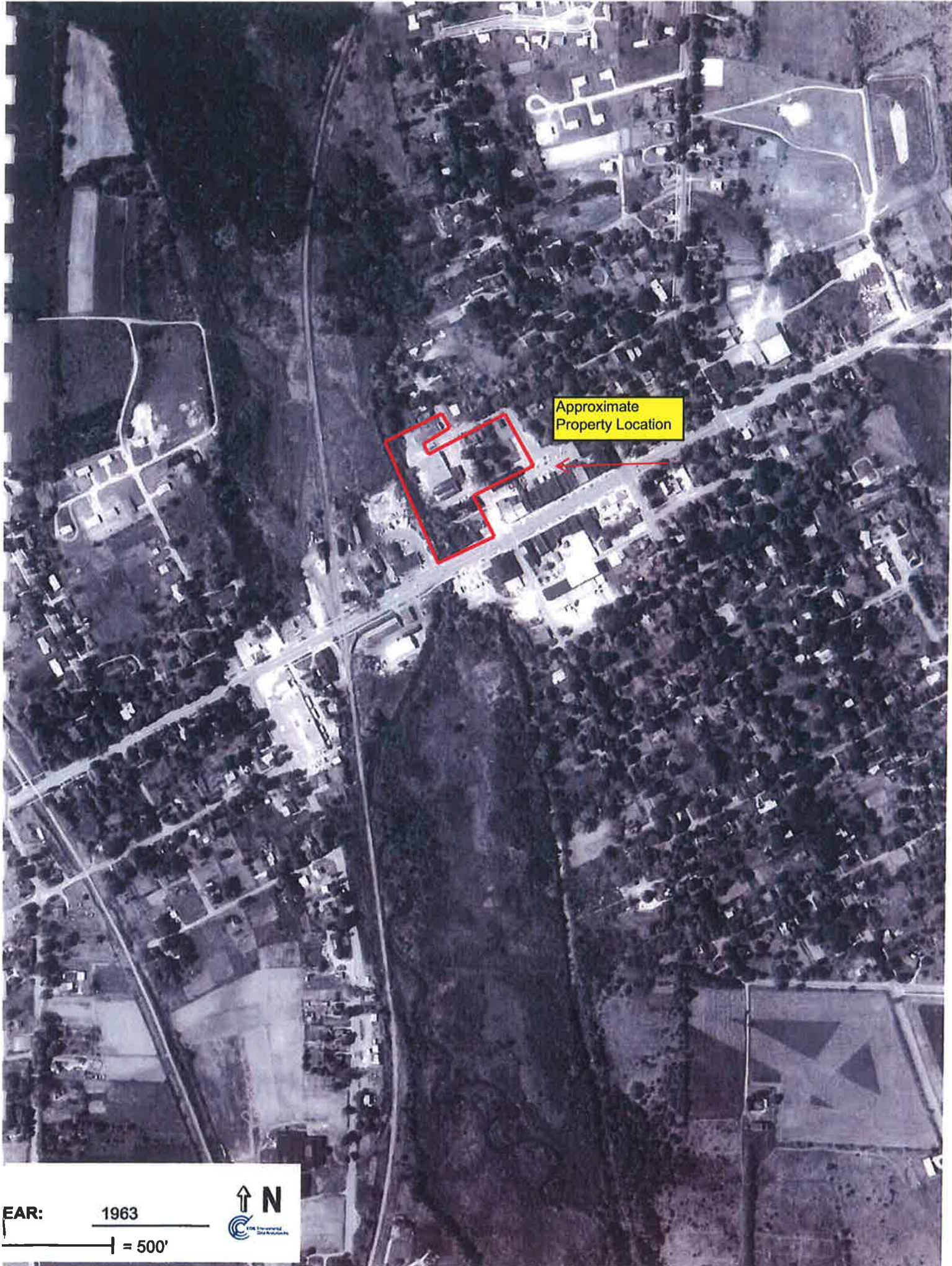
1" = 500'



Approximate  
Property Location

YEAR: 1955  
| = 500'

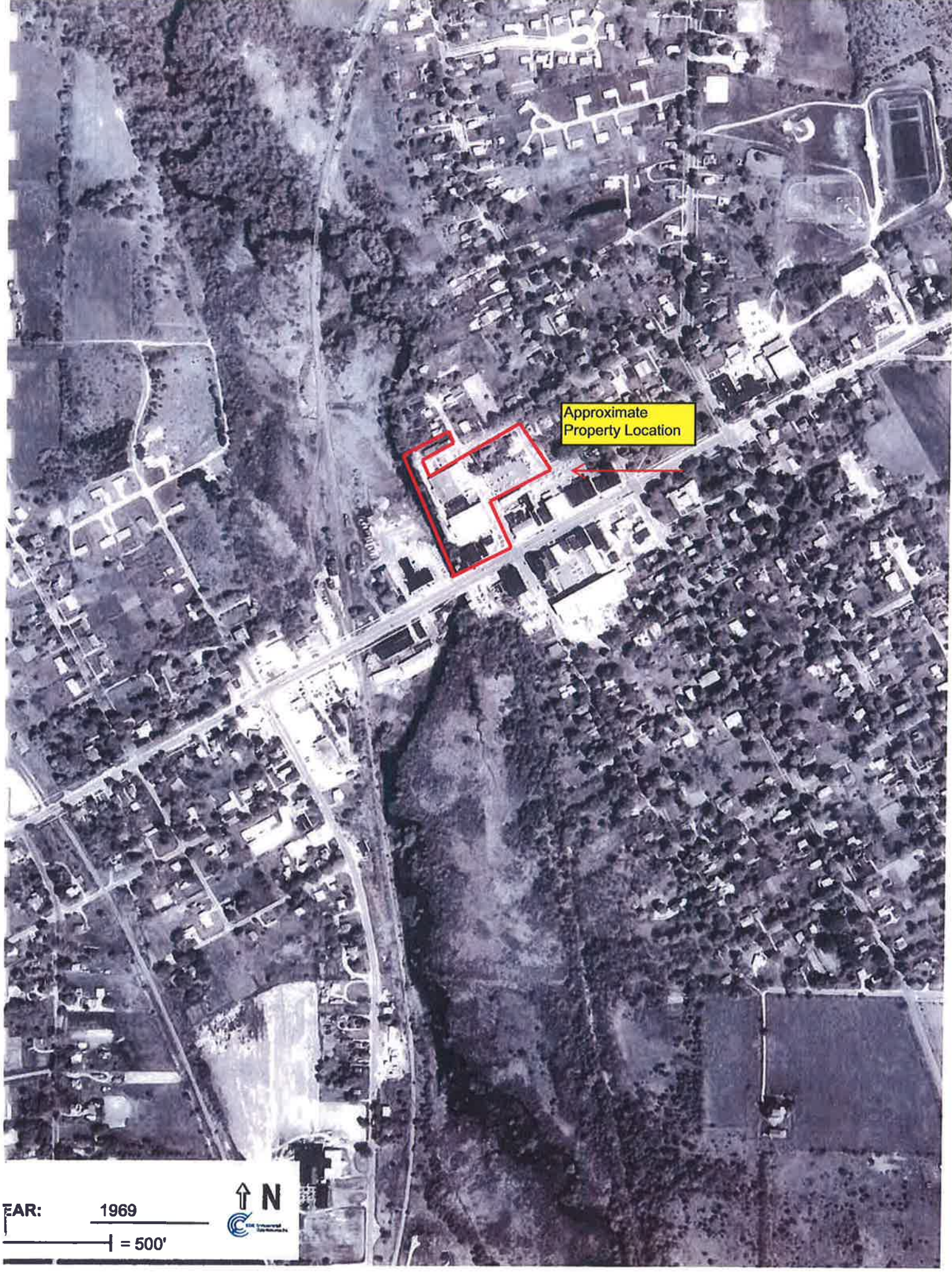




Approximate  
Property Location

EAR: 1963  
| = 500'



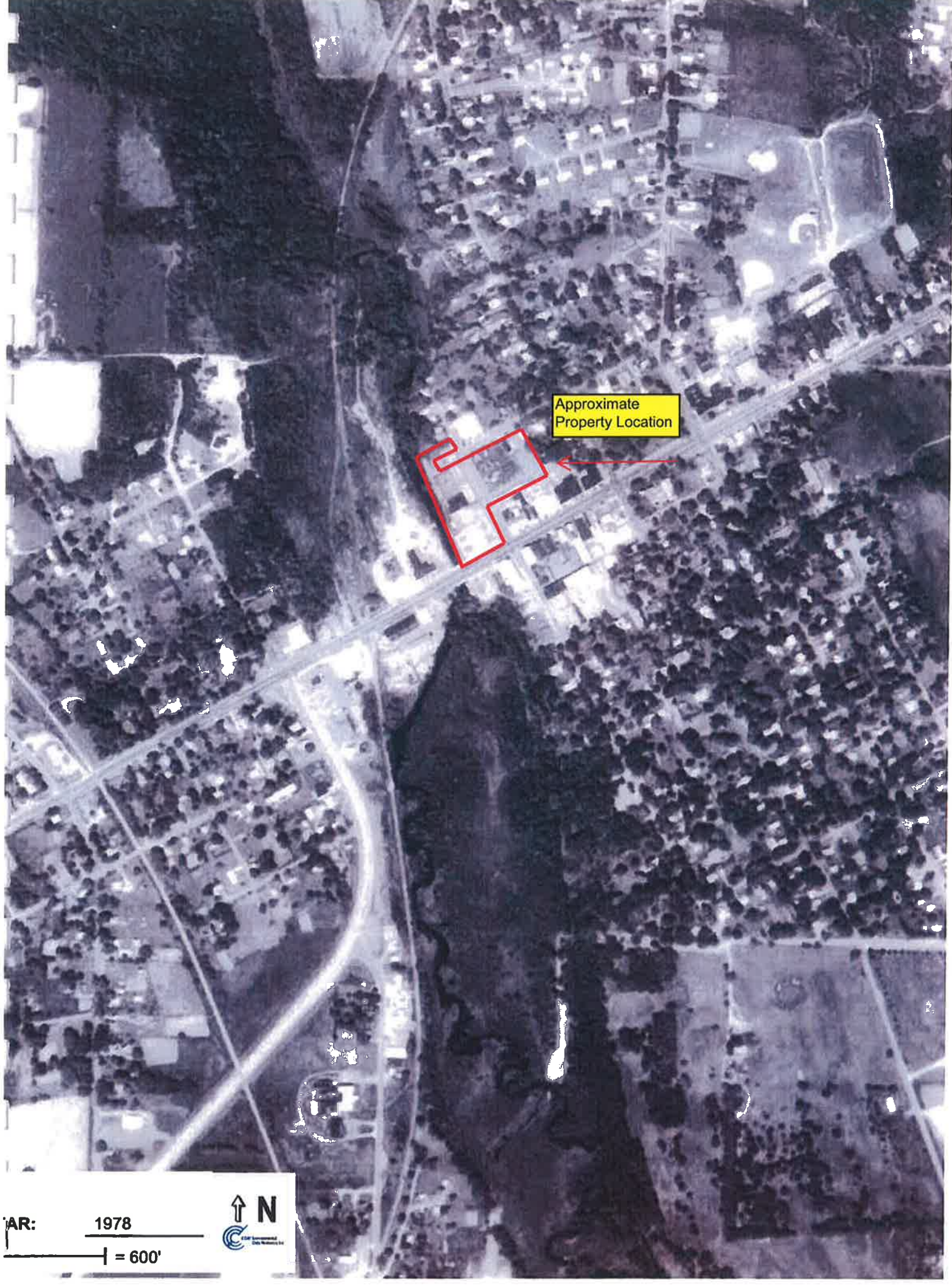


Approximate  
Property Location

YEAR: 1969

| = 500'





Approximate  
Property Location

AR: 1978  
= 600'






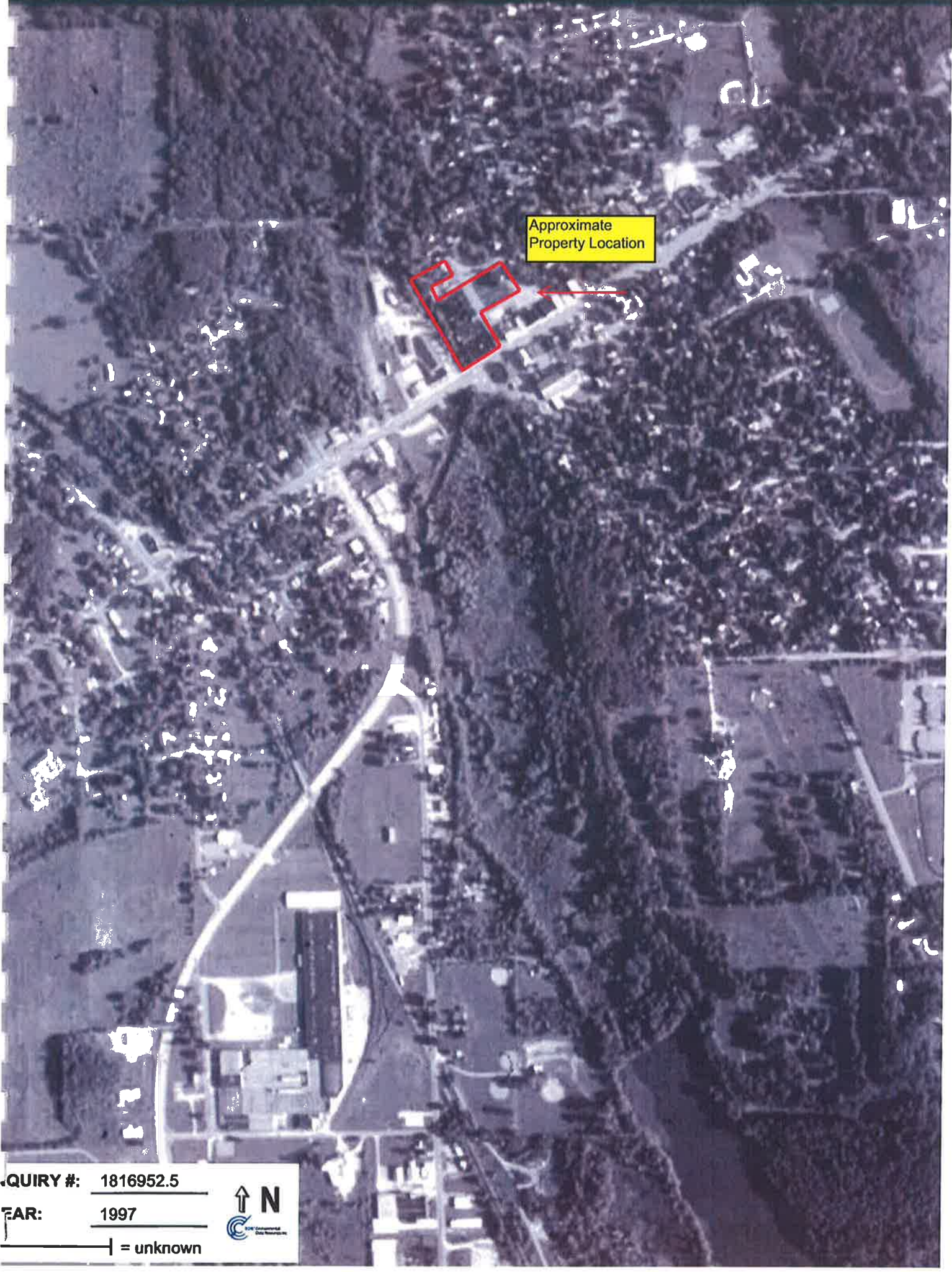


Approximate  
Property Location

YEAR: 1992

↑ N

 = unknown



Approximate  
Property Location

QUERY #: 1816952.5

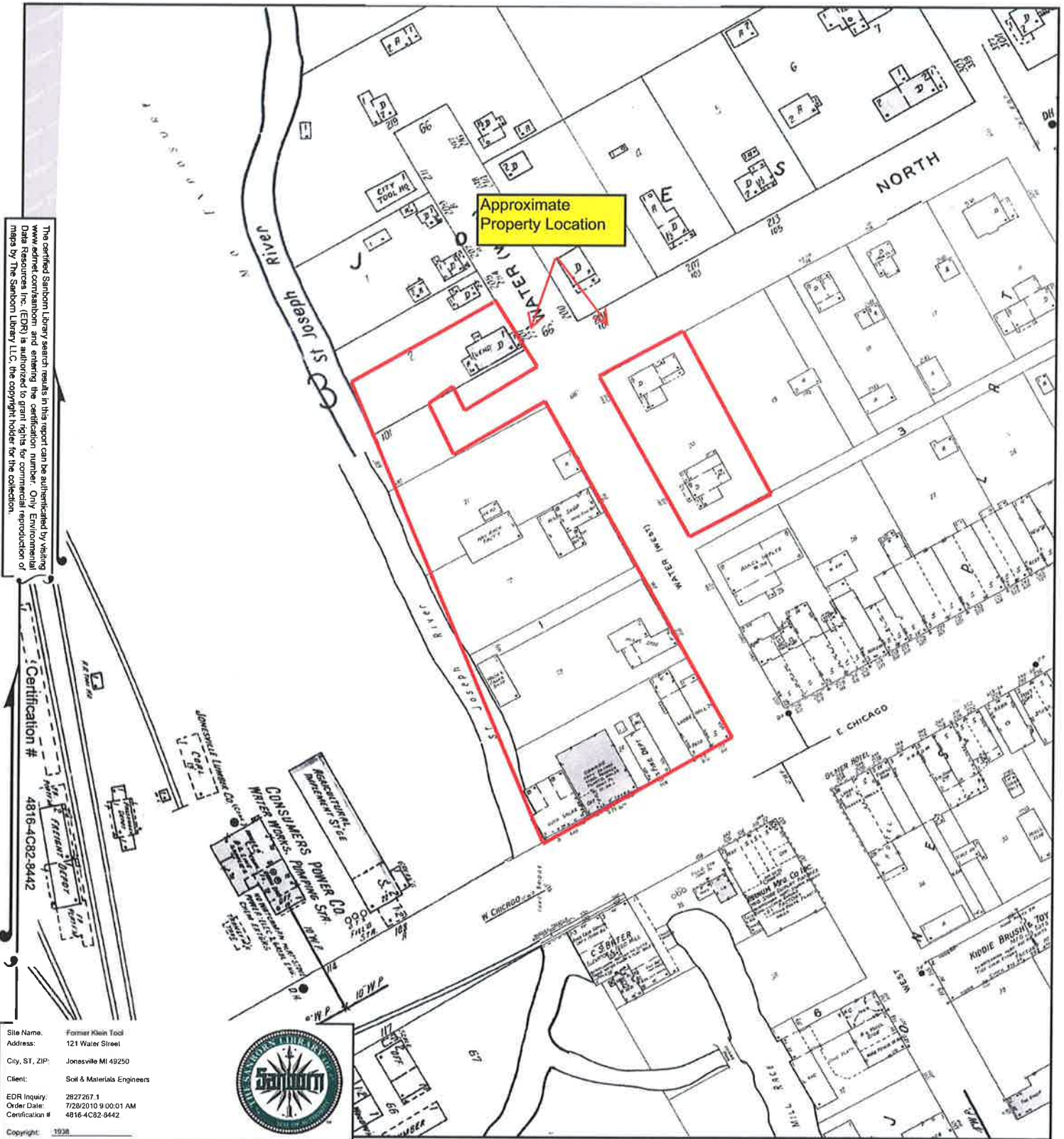
YEAR: 1997

| = unknown



**SANBORN FIRE INSURANCE MAPS**

# 1938 Certified Sanborn Map



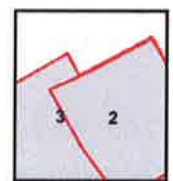
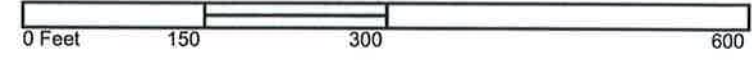
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4816-4C82-8442

Site Name: Former Klein Tool  
 Address: 121 Water Street  
 City, ST, ZIP: Jonesville MI 49250  
 Client: Soil & Materials Engineers  
 EDR Inquiry: 2827267.1  
 Order Date: 7/28/2010 9:00:01 AM  
 Certification #: 4816-4C82-8442



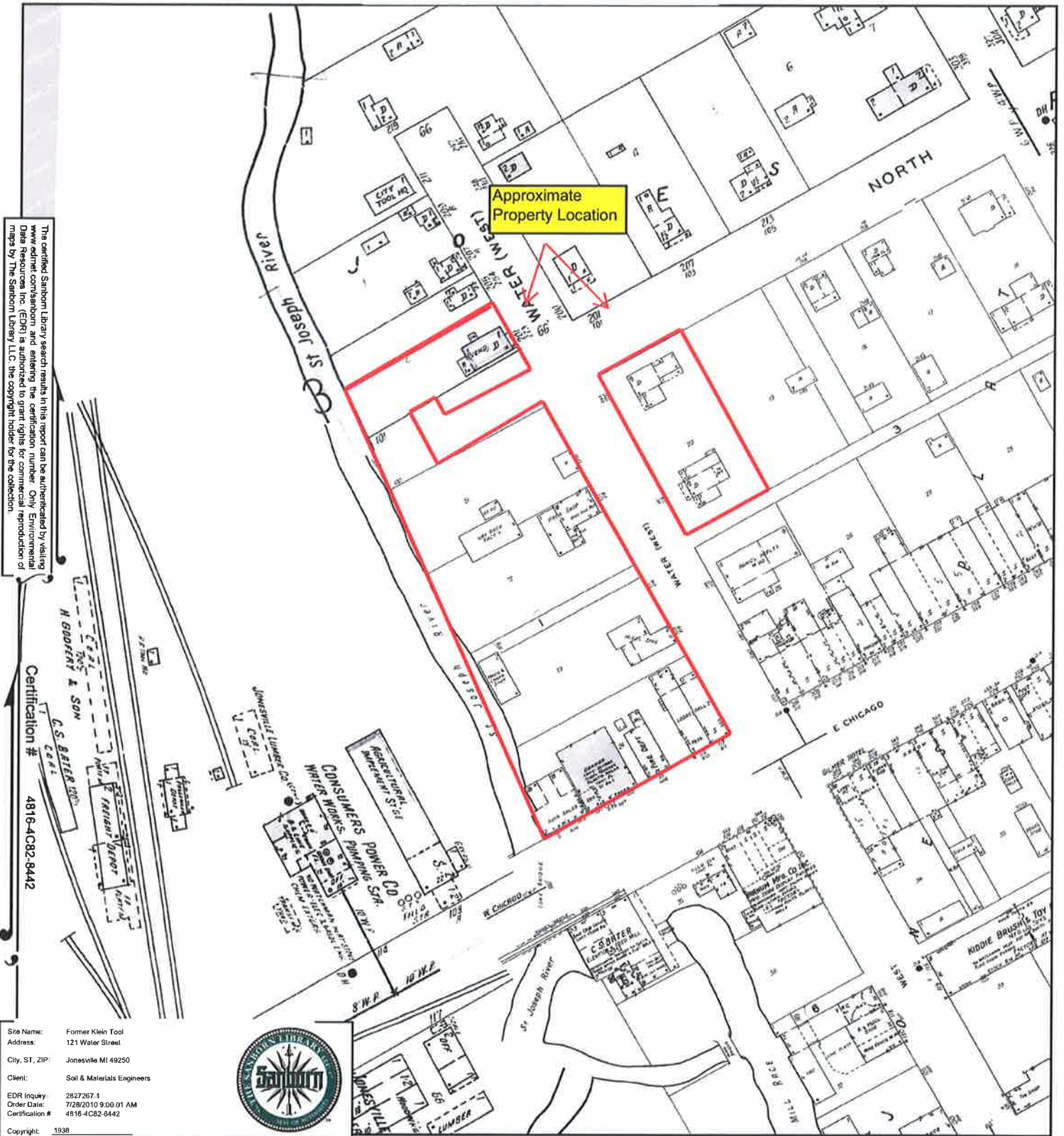
This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 2
- Volume 1, Sheet 3
- Volume 1, Sheet 3
- Volume 1, Sheet 2



# 1938 Certified Sanborn Map



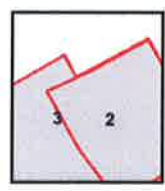
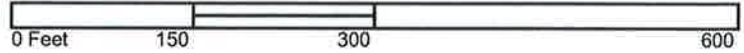
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4816-4C82-8442

Site Name: Former Klein Tool  
 Address: 121 Water Street  
 City, ST, ZIP: Jonesville MI 49250  
 Client: Soil & Materials Engineers  
 EDR Inquiry: 2827267.1  
 Order Date: 7/28/2010 9:00:01 AM  
 Certification #: 4816-4C82-8442



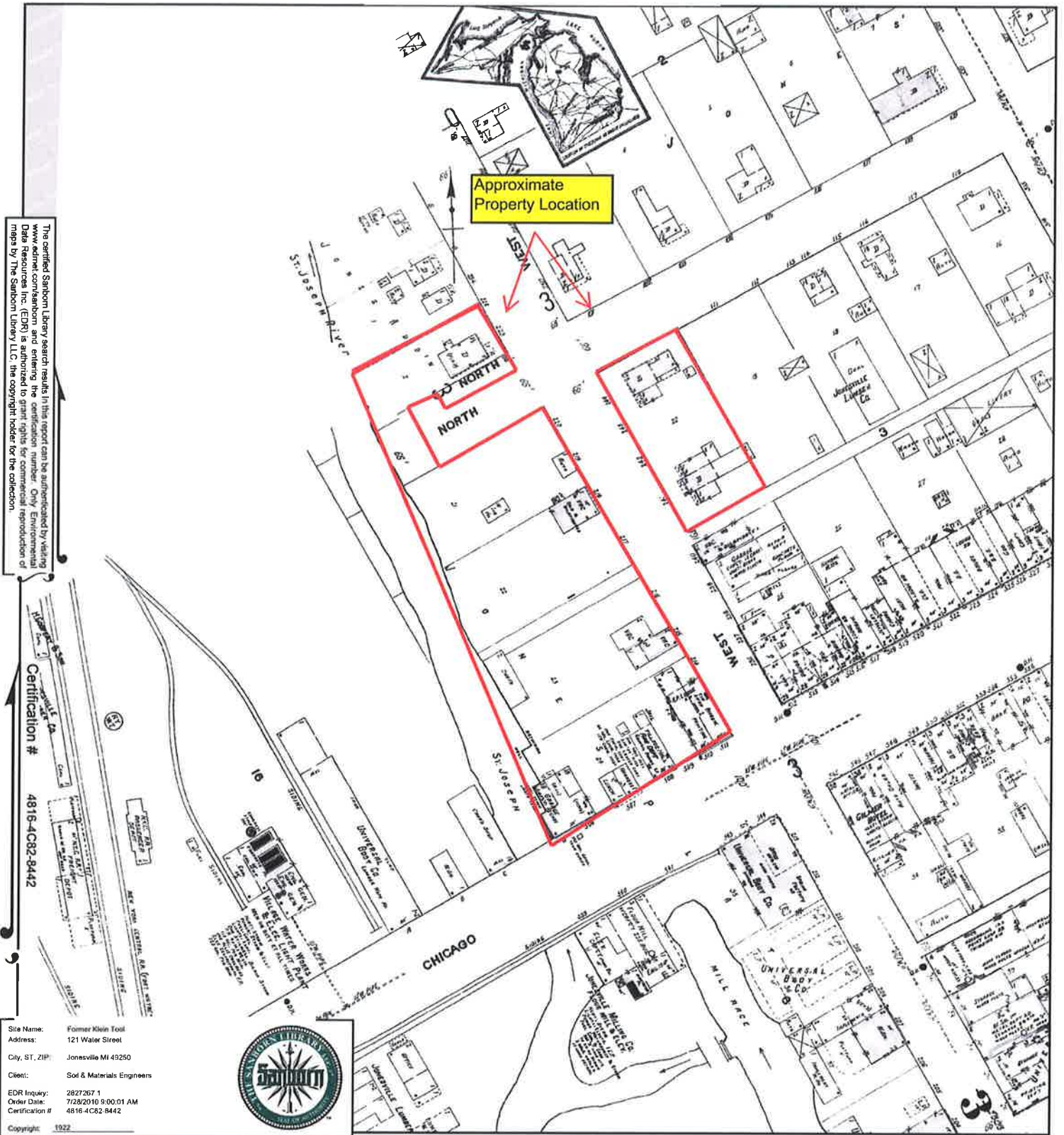
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 2
- Volume 1, Sheet 3
- Volume 1, Sheet 3
- Volume 1, Sheet 2



# 1922 Certified Sanborn Map



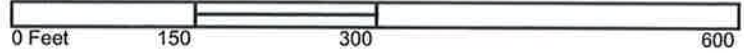
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4816-4C82-8442

Site Name: Former Klein Tool  
 Address: 121 Water Street  
 City, ST, ZIP: Jonesville MI 49250  
 Client: Sol & Materials Engineers  
 EDR Inquiry: 2827267-1  
 Order Date: 7/28/2010 9:00:01 AM  
 Certification #: 4816-4C82-8442



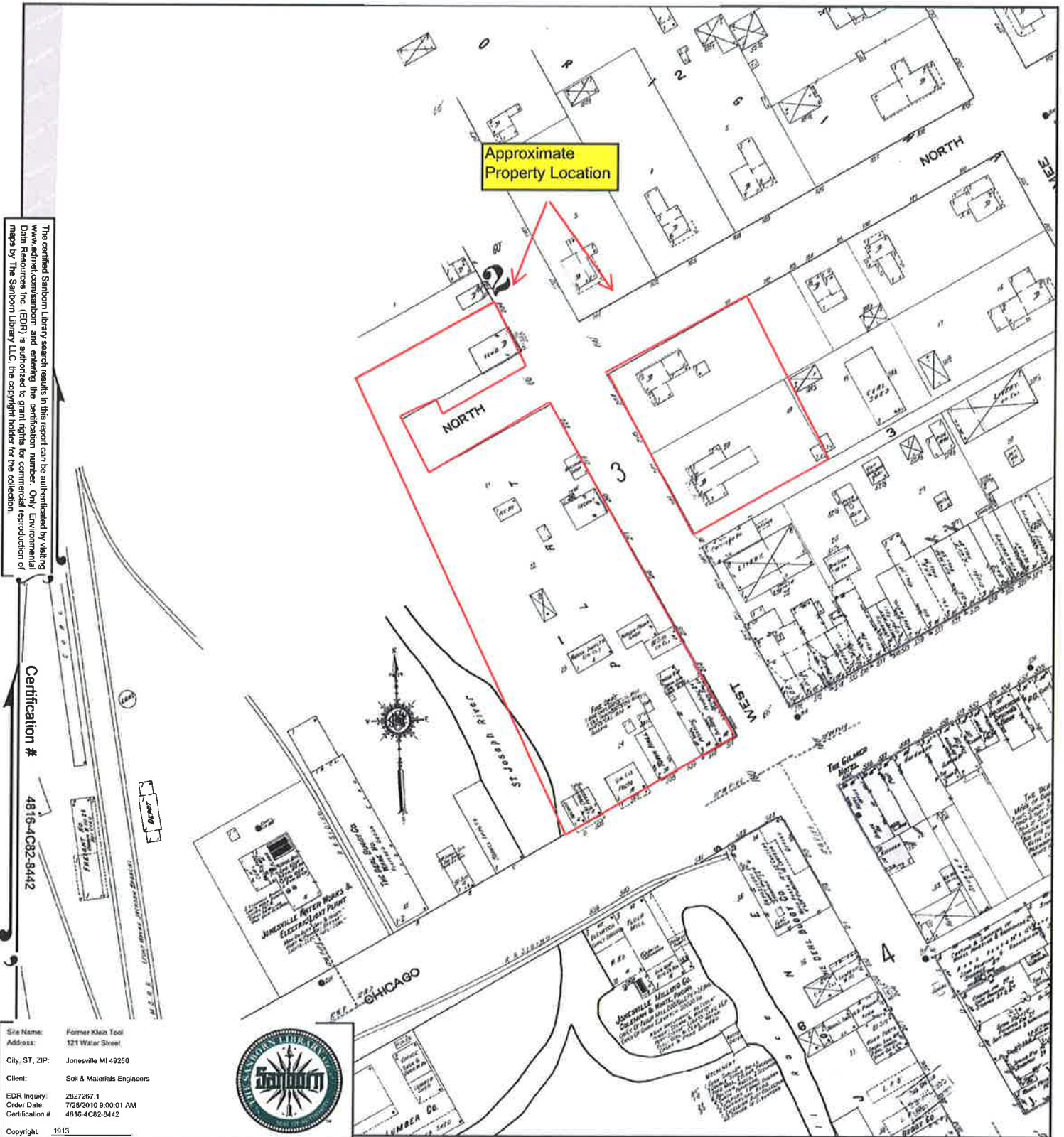
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 3  
 Volume 1, Sheet 4



# 1913 Certified Sanborn Map



The certified Sanborn Library search results in this report can be substantiated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

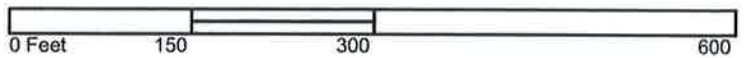
Certification # 4816-4C82-8442

Site Name: Former Klein Tool  
 Address: 121 Water Street  
 City, ST, ZIP: Jonesville MI 49250  
 Client: Soil & Materials Engineers  
 EDR Inquiry: 2827267.1  
 Order Date: 7/28/2010 9:00:01 AM  
 Certification #: 4816-4C82-8442



Copyright: 1913

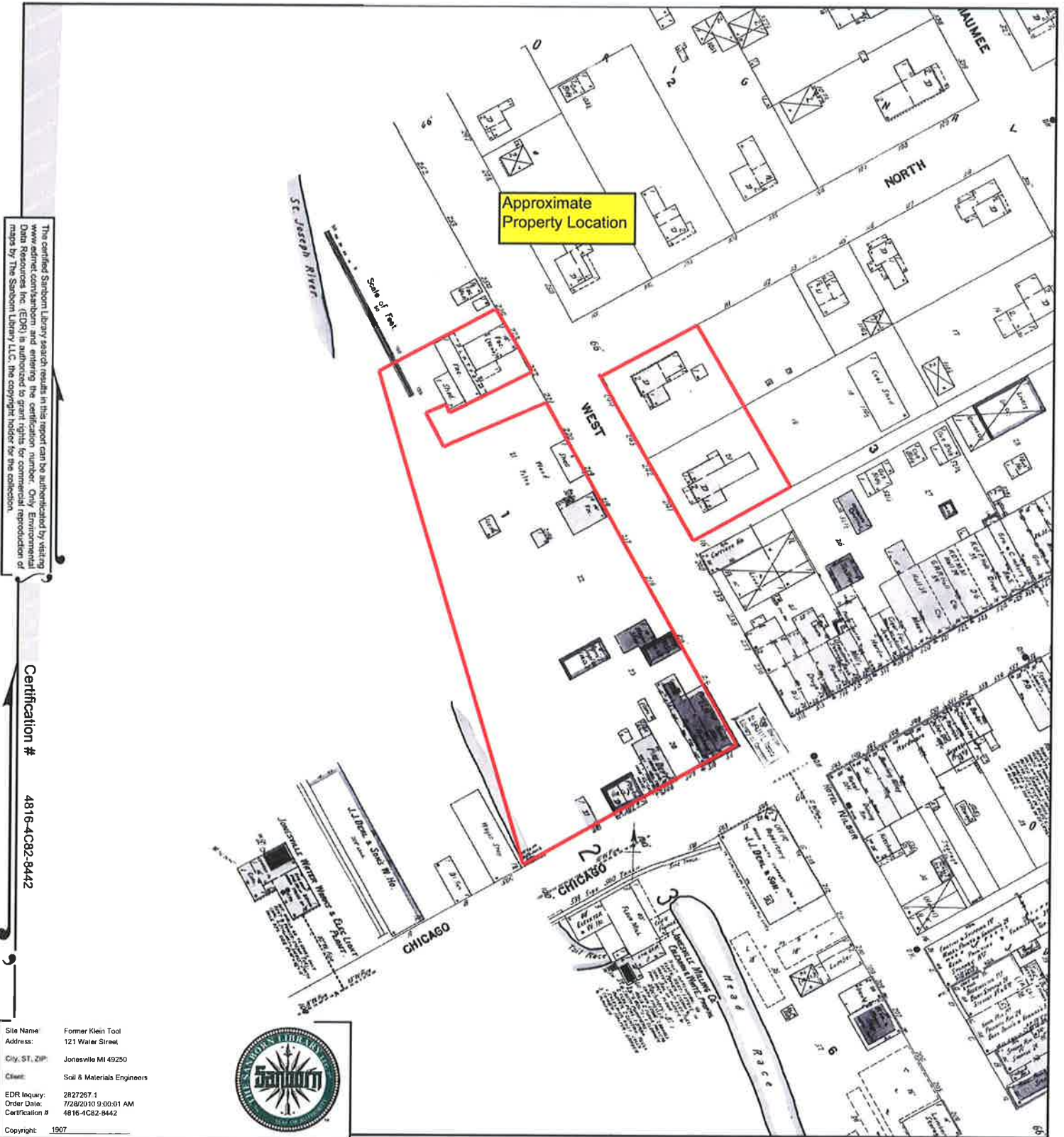
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 2
- Volume 1, Sheet 3
- Volume 1, Sheet 4



# 1907 Certified Sanborn Map



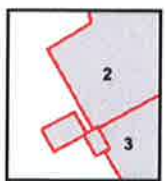
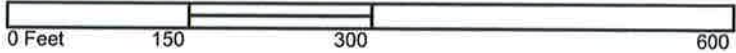
The certified Sanborn Library search results in this report can be authorized by visiting [www.edri.com/sanborn](http://www.edri.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDRI) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4816-4C82-8442

Site Name: Former Klein Tool  
 Address: 121 Water Street  
 City, ST, ZIP: Jonesville MI 49250  
 Client: Soil & Materials Engineers  
 EDR Inquiry: 2827267.1  
 Order Date: 7/28/2010 9:00:01 AM  
 Certification #: 4816-4C82-8442  
 Copyright: 1907



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.

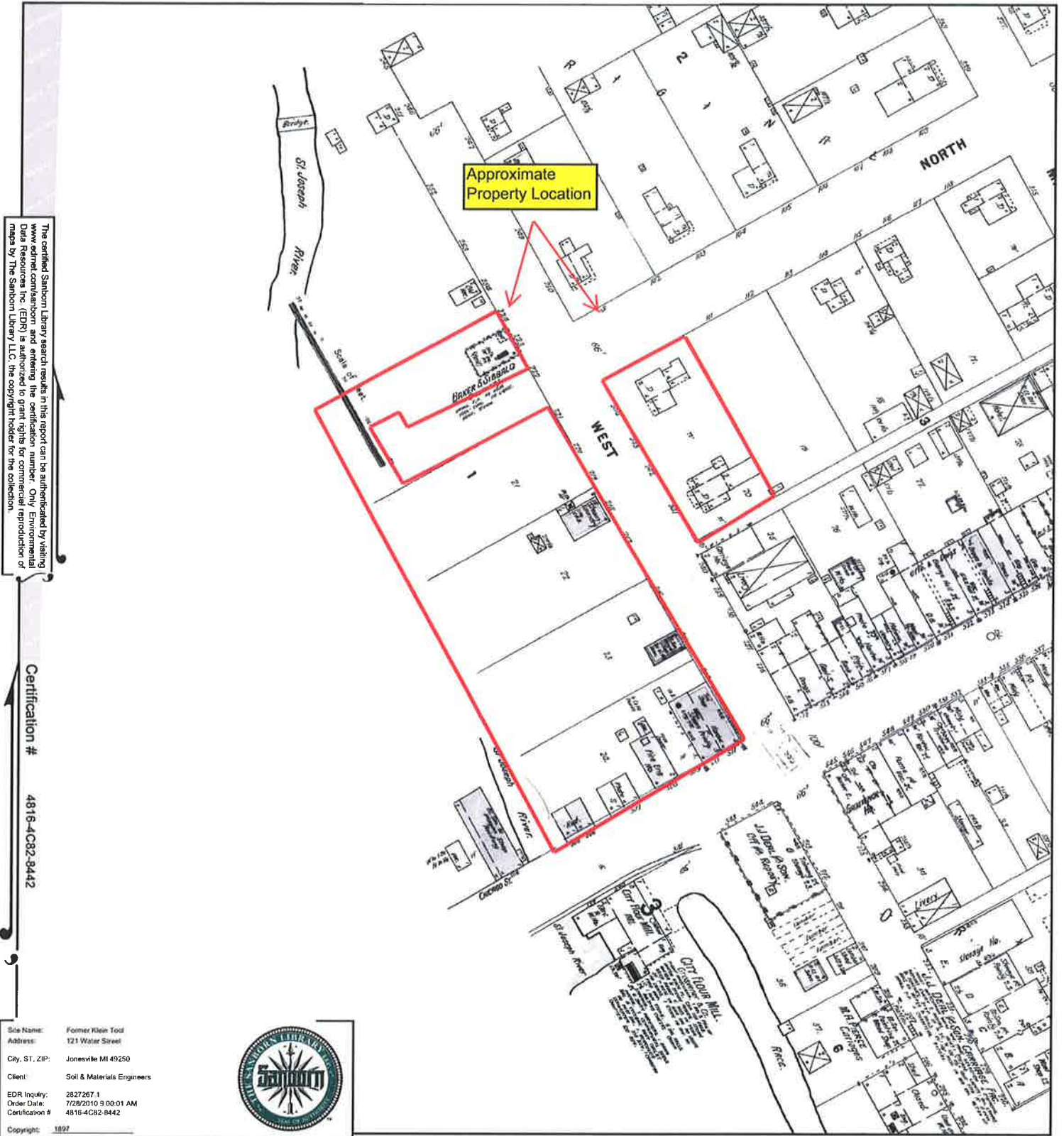


Volume 1, Sheet 2  
 Volume 1, Sheet 3





# 1897 Certified Sanborn Map



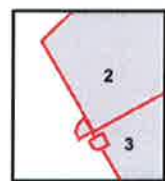
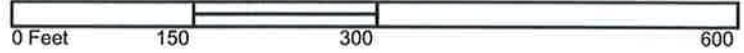
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4816-4C82-8442

Site Name: Former Klein Tool  
 Address: 121 Water Street  
 City, ST, ZIP: Jonesville MI 49250  
 Client: Soil & Materials Engineers  
 EDR Inquiry: 2827267.1  
 Order Date: 7/28/2010 9:00:01 AM  
 Certification #: 4816-4C82-8442  
 Copyright: 1897



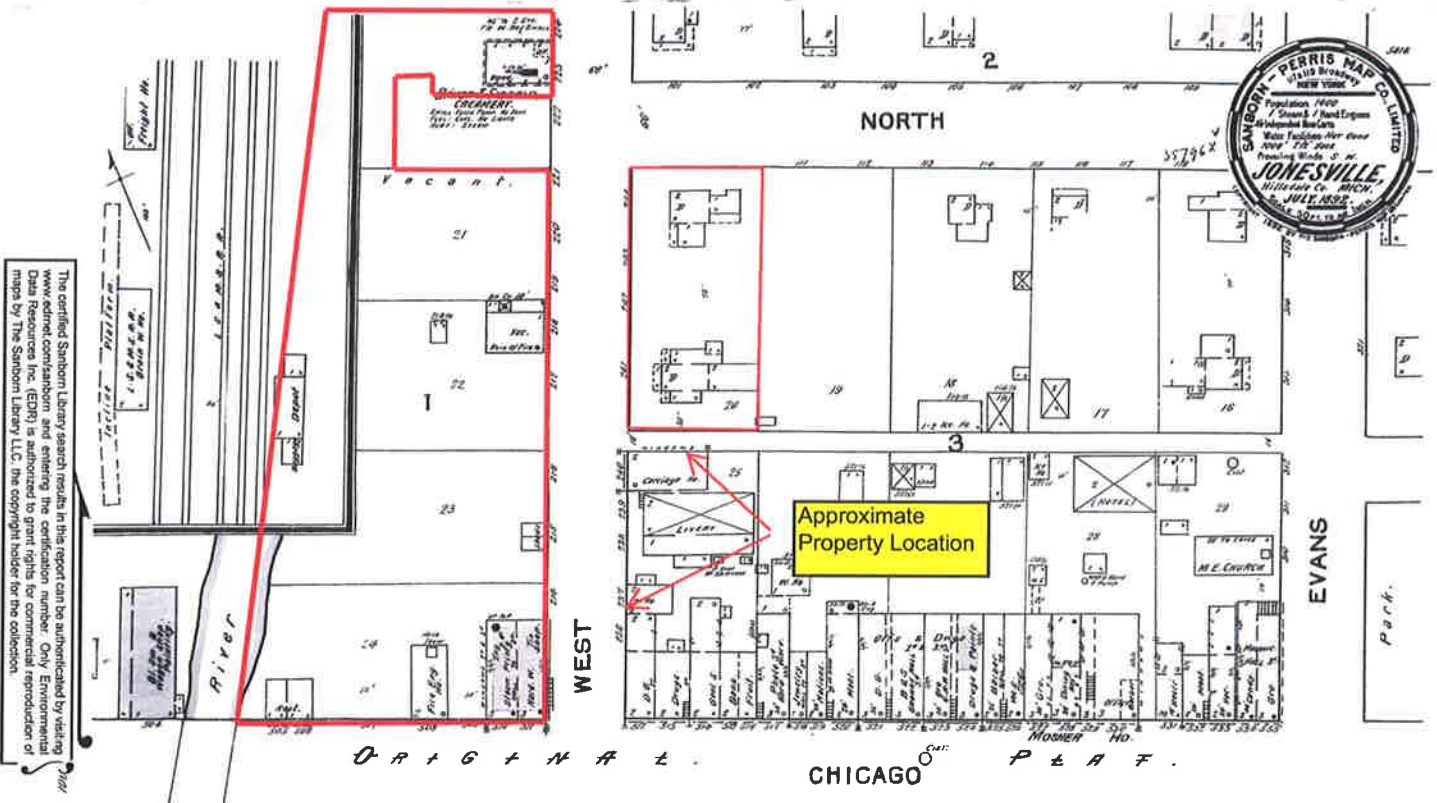
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



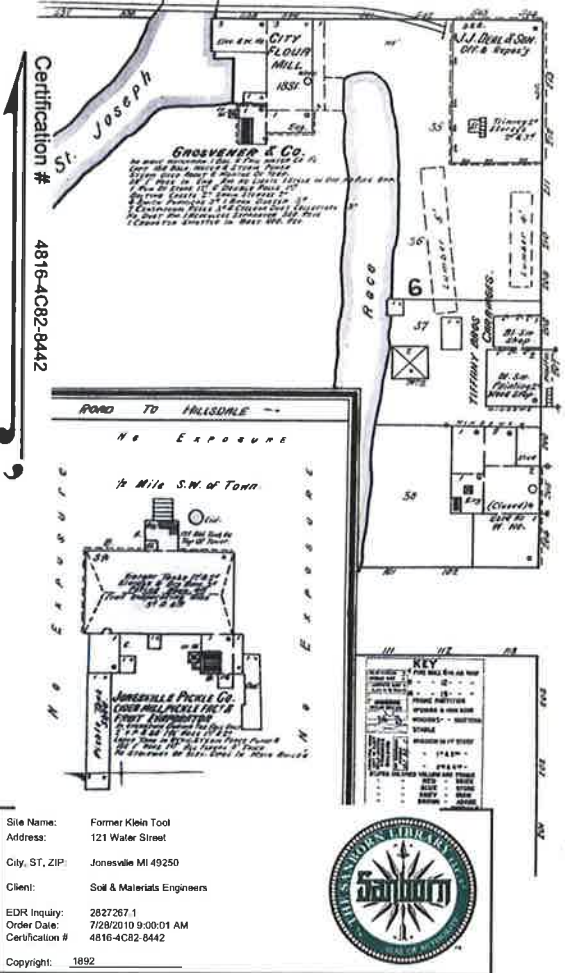
Volume 1, Sheet 2  
 Volume 1, Sheet 3



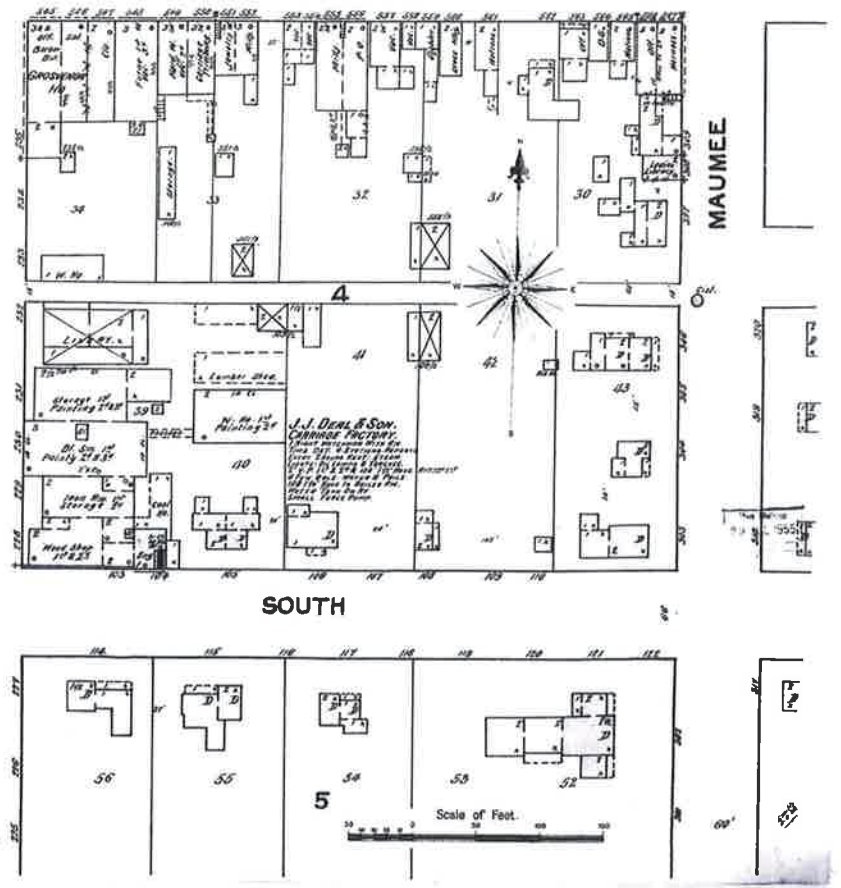
# 1892 Certified Sanborn Map



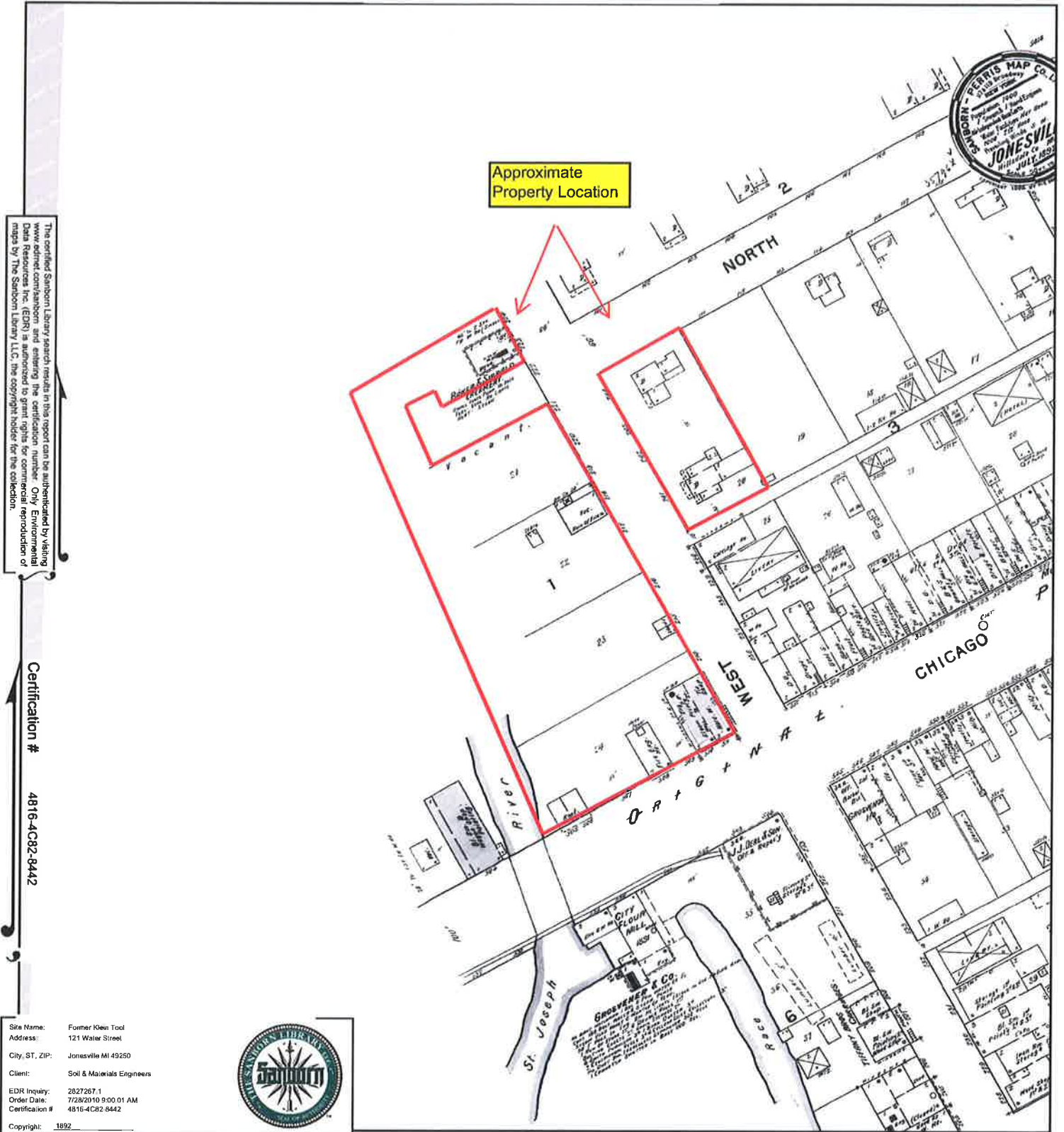
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.



Site Name: Former Klein Tool  
 Address: 121 Water Street  
 City, ST, ZIP: Jonesville MI 49250  
 Client: Soil & Materials Engineers  
 EDR Inquiry: 28272671  
 Order Date: 7/28/2010 9:00:01 AM  
 Certification #: 4816-4C82-8442  
 Copyright: 1892



# 1892 Certified Sanborn Map



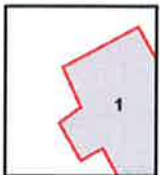
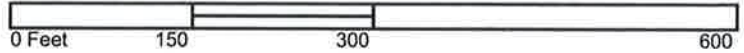
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4816-4C82-8442

Site Name: Former Klein Tool  
 Address: 121 Water Street  
 City, ST, ZIP: Jonesville MI 49250  
 Client: Soil & Materials Engineers  
 EDR Inquiry: 2827267.1  
 Order Date: 7/28/2010 9:00:01 AM  
 Certification #: 4816-4C82-8442  
 Copyright: 1892



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 1



# 1884 Certified Sanborn Map

The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #

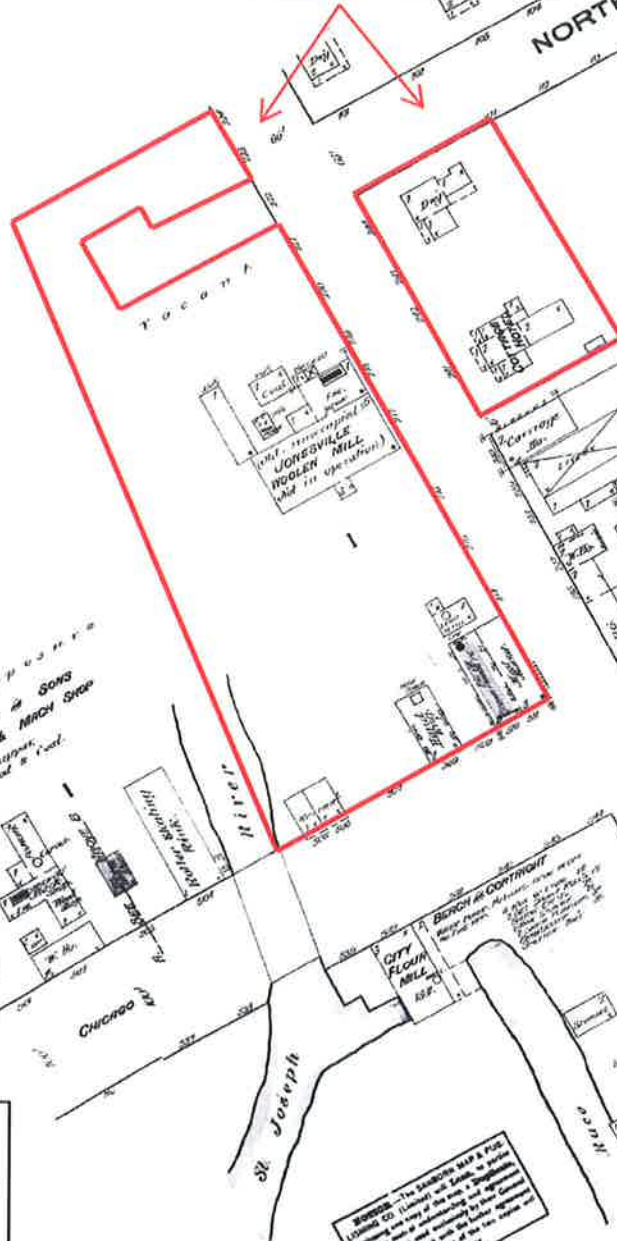
4816-4C82-8442

Site Name: Former Klein Tool  
 Address: 121 Water Street  
 City, ST, ZIP: Jonesville MI 49250  
 Client: Soil & Materials Engineers  
 EDR Inquiry: 2827267.1  
 Order Date: 7/28/2010 9:00:01 AM  
 Certification #: 4816-4C82-8442

Copyright: 1884



Approximate Property Location



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 1

**CITY DIRECTORIES**

**Former Klein Tool Property**  
121 Water Street  
Jonesville, MI 49250

## The EDR-City Directory Abstract

## **SUMMARY**

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1961 through 2008. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Address not listed in research source (Unnumbered)	Robinson's City Directory
	Jonesville Baptist Church (201)	Robinson's City Directory
	Residence (205)	Robinson's City Directory
	Residence (207)	Robinson's City Directory
	Residence (209)	Robinson's City Directory
	-No Addresses Listed Before 105 Water Street	Robinson's City Directory
	<b><u>**E. CHICAGO STREET**</u></b>	Robinson's City Directory
	Address not listed in research source (108)	Robinson's City Directory
	Jonesville Fire Dept (111)	Robinson's City Directory
	Jonesville Medico-Dental Office (112)	Robinson's City Directory
	Address not listed in research source (116)	Robinson's City Directory
	Bud's Sinclair Service (117)	Robinson's City Directory
	Family Cafe (201)	Robinson's City Directory
	<b><u>**NORTH STREET**</u></b>	Robinson's City Directory
	Residence (201)	Robinson's City Directory
	Address not listed in research source (206)	Robinson's City Directory
1963	<b><u>**WATER STREET**</u></b>	Robinson's City Directory
	Robert J. Fogg Industries (105)	Robinson's City Directory
	Address not listed in research source (110)	Robinson's City Directory
	Robert J. Fogg Industries (111)	Robinson's City Directory
	Residence (118)	Robinson's City Directory
	Residence (126)	Robinson's City Directory
	Address not listed in research source (Unnumbered)	Robinson's City Directory
	Jonesville Baptist Church (201)	Robinson's City Directory



<u>Year</u>	<u>Uses</u>	<u>Source</u>
1968	-No Addresses Listed Before 105 Water Street	Robinson's City Directory
	<b><u>**E. CHICAGO STREET**</u></b>	Robinson's City Directory
	Jonesville Products Extension, Inc. (108)	Robinson's City Directory
	Jonesville Fire Dept (111)	Robinson's City Directory
	H.W. Sterling DDS (112)	Robinson's City Directory
	Address not listed in research source (116)	Robinson's City Directory
	Vacant Bldg. (117)	Robinson's City Directory
	Penrod's Barber Shop (201)	Robinson's City Directory
	<b><u>**NORTH STREET**</u></b>	Robinson's City Directory
	Residence (201)	Robinson's City Directory
	Address not listed in research source (206)	Robinson's City Directory
1972	<b><u>**WATER STREET**</u></b>	Robinson's City Directory
	Vacant Building (105)	Robinson's City Directory
	Address not listed in research source (110)	Robinson's City Directory
	Vaco Parking Lot (118)	Robinson's City Directory
	Vaco Products Storage (201)	Robinson's City Directory
	Residence (205)	Robinson's City Directory
	Residence (207)	Robinson's City Directory
	Residence (209)	Robinson's City Directory
	-No Addresses Listed Before 105 Water Street	Robinson's City Directory
	<b><u>**E. CHICAGO STREET**</u></b>	Robinson's City Directory
	Jonesville Products Extension, Inc. (108)	Robinson's City Directory
	Vaco Products Storage (111)	Robinson's City Directory
	H.W. Sterling DDS (112)	Robinson's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	No Return (205)	Robinson's City Directory
	Residence (207)	Robinson's City Directory
	Vacant House (209)	Robinson's City Directory
	-No Addresses Listed Before 110 Water Street	Robinson's City Directory
	<b><u>**E. CHICAGO STREET**</u></b>	Robinson's City Directory
	Address not listed in research source (108)	Robinson's City Directory
	H.W. Sterling DDS (112)	Robinson's City Directory
	Flair With Hair Beauty Salon (201)	Robinson's City Directory
	<b><u>**NORTH STREET**</u></b>	Robinson's City Directory
	Address not listed in research source (206)	Robinson's City Directory
1984	<b><u>**WATER STREET**</u></b>	Robinson's City Directory
	Family Bargain Den Auctions (110)	Robinson's City Directory
	Vasco Products Parking Lot (118)	Robinson's City Directory
	Vasco Products Storage Bldg. (201)	Robinson's City Directory
	Residence (205)	Robinson's City Directory
	Residence (207)	Robinson's City Directory
	Vacant (209)	Robinson's City Directory
	-No Addresses Listed Before 110 Water Street	Robinson's City Directory
	<b><u>**E. CHICAGO STREET**</u></b>	Robinson's City Directory
	Address not listed in research source (108)	Robinson's City Directory
	H.W. Sterling DDS (112)	Robinson's City Directory
	Flair With Hair Beauty Salon (201)	Robinson's City Directory
	<b><u>**NORTH STREET**</u></b>	Robinson's City Directory
	Address not listed in research source (206)	Robinson's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	No Return (205)	Robinson's City Directory
	Residence (207)	Robinson's City Directory
	Residence (209)	Robinson's City Directory
	-No Addresses Listed Before 110 Water Street	Robinson's City Directory
	<b><u>**E. CHICAGO STREET**</u></b>	Robinson's City Directory
	Video Connection (108)	Robinson's City Directory
	Vacant (201)	Robinson's City Directory
	<b><u>**NORTH STREET**</u></b>	Robinson's City Directory
	Ameritech Office (206)	Robinson's City Directory
2003	<b><u>**WATER STREET**</u></b>	Bresser's Criss-Cross Directory
	No Return (205)	Bresser's Criss-Cross Directory
	No Return (207)	Bresser's Criss-Cross Directory
	Residence (209)	Bresser's Criss-Cross Directory
	-No Addresses Listed Before 121 Water Street	Bresser's Criss-Cross Directory
2008	<b><u>**WATER STREET**</u></b>	Bresser's Criss-Cross Directory
	Residence (205)	Bresser's Criss-Cross Directory
	No Return (207)	Bresser's Criss-Cross Directory
	Residence (209)	Bresser's Criss-Cross Directory
	-No Addresses Listed Before 121 Water Street	Bresser's Criss-Cross Directory

## PROPERTY TAX INFORMATION

Hillsdale County Community Center

**Parcel Number 06 060 001 004**

[Close This Window](#) | [<Previous](#) | [Next>](#) | [Find Location on Map](#) | [300 Foot Radial Search](#)

Fayette Township - 2007 Assessment Year

**Parcel:** 06 060 001 004

**Property Address:** 121 WATER ST

**Mailing Address:** 450 BOND ST  
LINCOLNSHIRE, IL 60069-1418

Property Information

**Assessment:** \$4,950

**Taxable Value:** \$4,950

**Homestead Percent:** 0%

**Qualified Ag.:** No

**Front Footage:** 64.5

**Average Lot Depth:** 159.07

Property School Information

**School District Code:** 30030

Property Sale Information

**Sale Date:** 5/1/1986

**Sale Price:** \$10

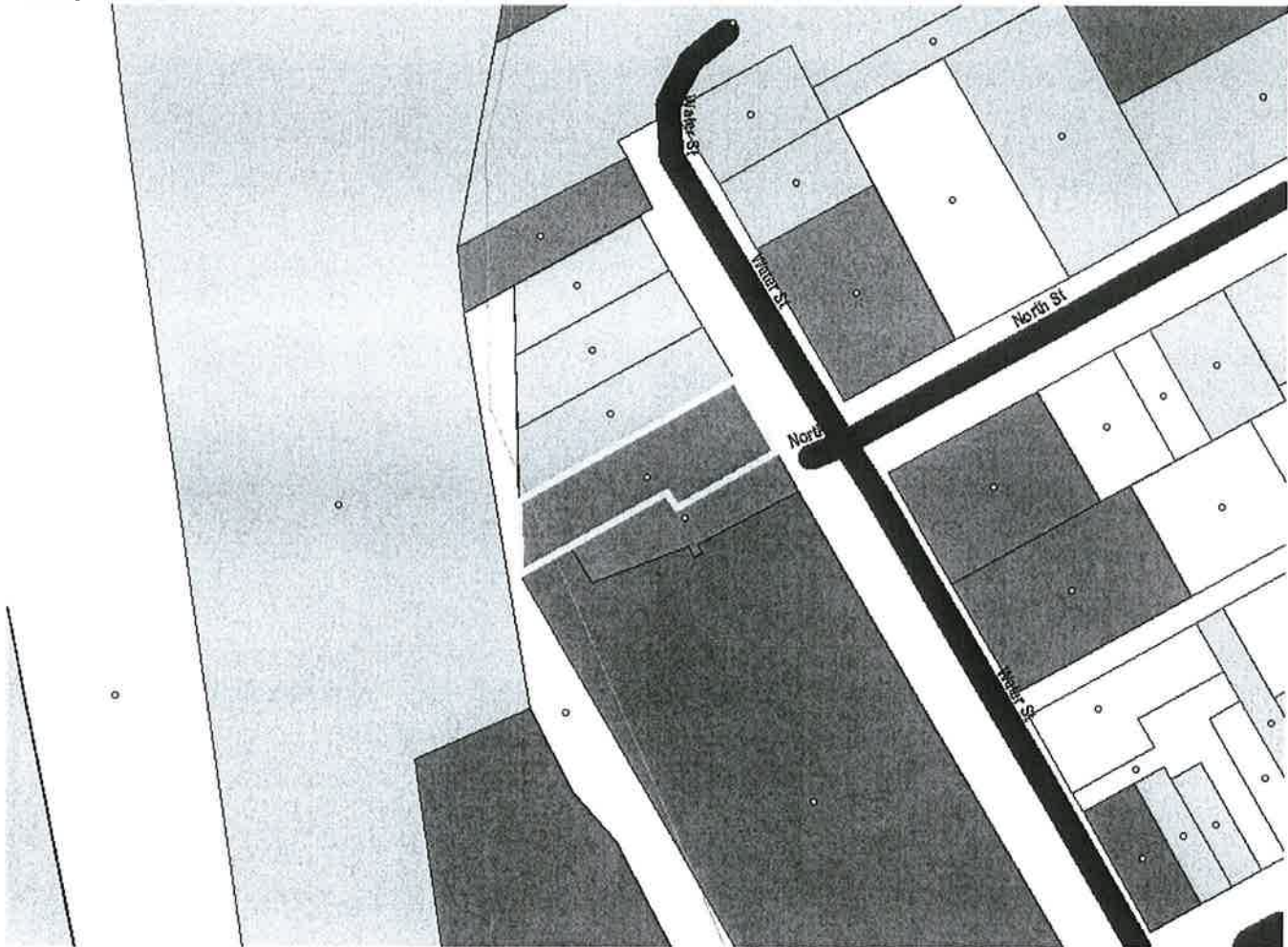
Legal Description

S1/2 LOT 2 ALSO PCL COM AT SE COR LOT 2, WLY 90 FT SLY PERP TO S LN LOT 2, 15 FT ELY & PAR TO S LN SD LOT 90 FT NLY 15 FT TO POB ALSO THAT PRT N1/2 NORTH ST AS LIES CONTIGUOUS TO SLY LN LOT 2 L.405 P.97 & L.405 P.95 IFT #30-06-020-000-010 IFT #30-06-025-000-013 IFT #30-06-025-000-027 DDA JONES PLAT SEC 4 T6S R3W VILLAGE OF JONESVILLE

Powered by Community Center™ software from the Land Information Access Association

**Assessed Value**  
Showing Parcel Lines

[Print This Page](#) | [Close](#)

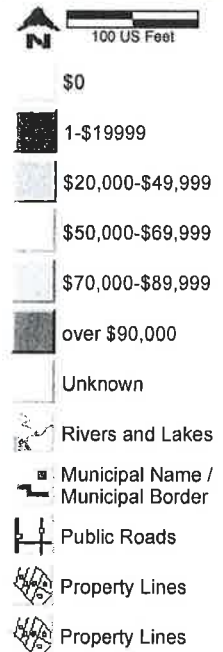


**Current Assessed Value (2007 Assessment Year)**

The property assessed value information was obtained from the tax parcel database provided by the Hillsdale County Equalization Department.

The property line data for Hillsdale County was provided by the Equalization Department. The parcel areas shown are meant to represent ownership parcels as described by the TAX ID number (each parcel area should correspond to a single TAX ID number, except where a road or other area splits the parcel into multiple areas). Where possible, the parcel map was adjusted to "fit" the database. However, there remains parcels on the map for which no data is attached, and database records for which no mapped parcel could be identified.

The computerized version of the tax parcel map seen here has NOT been VERIFIED as being correct and accurate, and inconsistencies between the parcel data and data sets provided by other agencies (e.g., the MDNR) do exist. This parcel information is included for general reference purposes only and should only be used to identify the general vicinity of a particular piece of property.



**Detailed Tax Information**

[Back to Non-Printer Friendly Version] [Send To Printer]

Parcel: 06 060 001 004 Data Current As Of: 5/25/2010 3:52:59 PM

<b>Property Address</b>	[collapse]
121 WATER ST	

<b>Owner Information</b>	[collapse]
KLEIN TOOLS INC	
450 BOND ST	<b>Unit:</b> 06
LINCOLNSHIRE, IL 60069-1418	

<b>Taxpayer Information</b>	[collapse]
SEE OWNER INFORMATION	

<b>Legal Information for 06 060 001 004</b>	[collapse]
S1/2 LOT 2 ALSO PCL COM AT SE COR LOT 2, WLY 90 FT SLY PERP TO S LN LOT 2, 15 FT ELY & PAR TO S LN SD LOT 90 FT NLY 15 FT TO POB ALSO THAT PRT N1/2 NORTH ST AS LIES CONTIGUOUS TO SLY LN LOT 2 L.405 P.97 & L.405 P.95 IFT #30-06-020-000-010 IFT #30-06-025-000-013 IFT #30-06-025-000-027 DDA JONES PLAT SEC 4 T6S R3W VILLAGE OF JONESVILLE	

Use the +/- button to expand and collapse the Tax Detail Information.

Year / Season	Total Amt	Total Paid	Last Paid	Total Due
[-] 2010, Village	\$21.28	\$21.28	09/15/2010	\$0.00

<b>General Information for 2010 Village</b>			
<b>School District:</b>	30030	<b>PRE/MBT %:</b>	0.0000
<b>Taxable Value:</b>	\$1,286	<b>Assessed Value:</b>	\$1,290
<b>Property Class:</b>	301		
<b>Tax Bill Number</b>	00238	<b>Last Receipt Number:</b>	00000826
<b>Last Payment Date:</b>	09/15/2010	<b>Number Of Payments</b>	1
<b>Base Tax:</b>	\$21.07	<b>Base Paid:</b>	\$21.07
<b>Admin Fees:</b>	\$0.21	<b>Admin Fees Paid:</b>	\$0.21
<b>Interest Fees:</b>	\$0.00	<b>Interest Fees Paid</b>	\$0.00
<b>Total Tax &amp; Fees:</b>	\$21.28	<b>Total Paid:</b>	\$21.28

**Tax Bill Breakdown for 2010 Village**

Taxing Authority	Millage Rate	Amount	Amount Paid
VILLAGE OPERATE	11.705700	\$15.05	\$15.05
VILLAGE STREETS	4.682300	\$6.02	\$6.02
Admin Fees:		\$0.21	\$0.21
Interest Fees:		\$0.00	\$0.00
<b>Totals:</b>	<b>16.388000</b>	<b>\$21.28</b>	<b>\$21.28</b>

[Print Tax Bill/Receipt](#)

2009, Village \$21.35 \$21.35 09/14/2009 \$0.00

**General Information for 2009 Village**

<b>School District:</b>	30030	<b>PRE/MBT %:</b>	0.0000
<b>Taxable Value:</b>	\$1,290	<b>State Equalized Value:</b>	\$1,290
<b>Property Class:</b>	301	<b>Assessed Value:</b>	\$1,290
<b>Tax Bill Number</b>	00236	<b>Last Receipt Number:</b>	00000765
<b>Last Payment Date:</b>	09/14/2009	<b>Number Of Payments</b>	1
<b>Base Tax:</b>	\$21.14	<b>Base Paid:</b>	\$21.14
<b>Admin Fees:</b>	\$0.21	<b>Admin Fees Paid:</b>	\$0.21
<b>Interest Fees:</b>	\$0.00	<b>Interest Fees Paid</b>	\$0.00
<b>Total Tax &amp; Fees:</b>	\$21.35	<b>Total Paid:</b>	\$21.35

**Tax Bill Breakdown for 2009 Village**

Taxing Authority	Millage Rate	Amount	Amount Paid
VILLAGE OPERATE	11.705700	\$15.10	\$15.10
VILLAGE STREETS	4.682300	\$6.04	\$6.04
Admin Fees:		\$0.21	\$0.21
Interest Fees:		\$0.00	\$0.00
<b>Totals:</b>	<b>16.388000</b>	<b>\$21.35</b>	<b>\$21.35</b>

[Print Tax Bill/Receipt](#)

**\*\*Disclaimer:** BS&A Software provides this Web Site as a way for municipalities to display information online and is not responsible for the content or accuracy of the data herein. This data is provided for reference only and WITHOUT WARRANTY of any kind, expressed or inferred. Please contact your local municipality if you believe there are errors in the data.

[Privacy Policy](#)



Hillsdale County Community Center

**Parcel Number 06 060 001 034**

[Close This Window](#) | [<Previous](#) | [Next>](#) | [Find Location on Map](#) | [300 Foot Radial Search](#)

Fayette Township - 2007 Assessment Year

**Parcel:** 06 060 001 034

**Property Address:** WATER ST

**Mailing Address:** 450 BOND ST  
LINCOLNSHIRE, IL 60069-1418

Property Information

**Assessment:** \$16,740

**Taxable Value:** \$16,740

**Homestead Percent:** 0%

**Qualified Ag.:** No

**Front Footage:** 0

**Average Lot Depth:** 0

Property School Information

**School District Code:** 30030

Property Sale Information

**Sale Date:** 5/1/1986

**Sale Price:** \$10

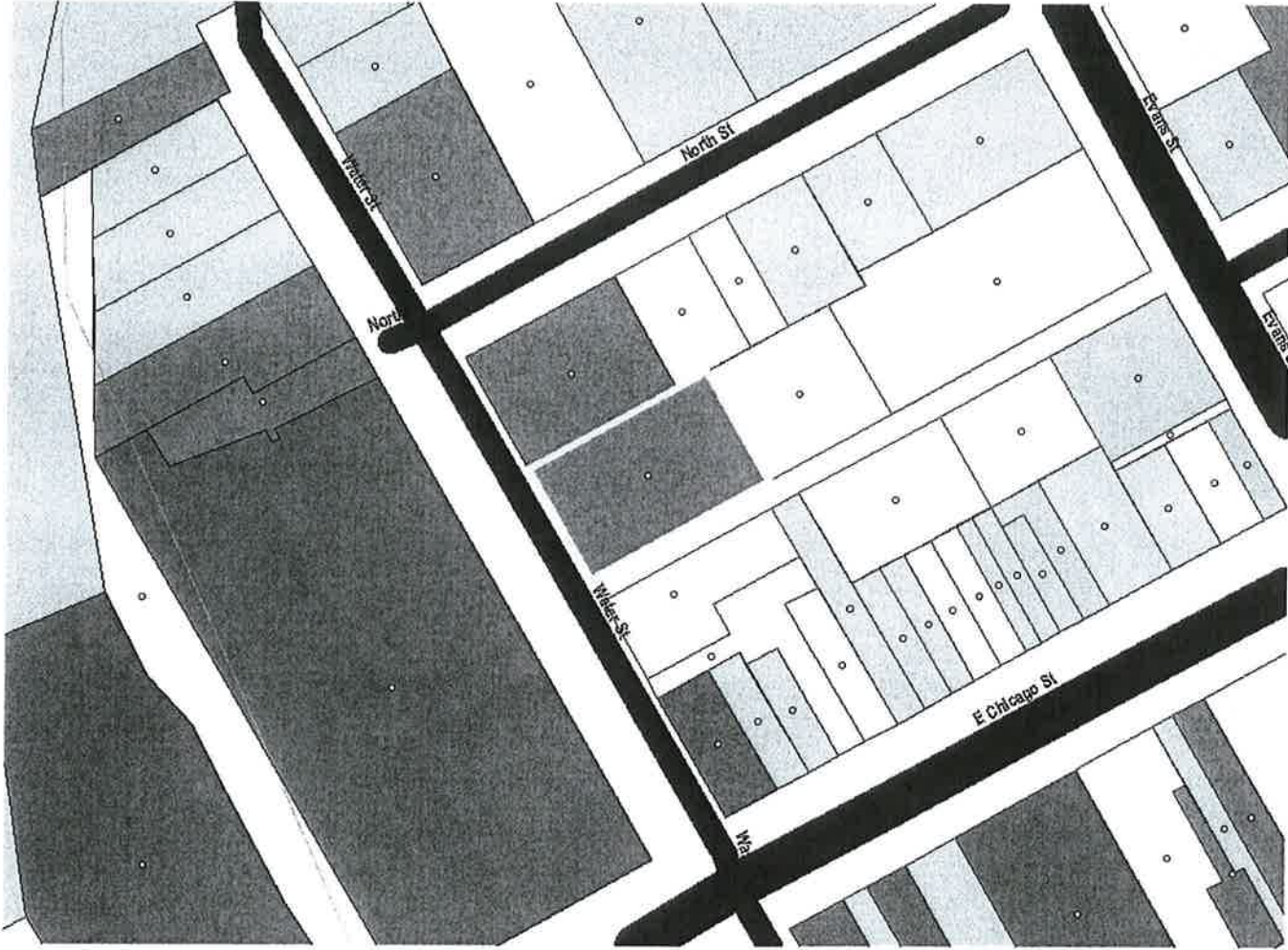
Legal Description

WLY 67.5 OF SLY 1/2 LOT 19 & SLY 1/2 OF LOT 20 IFT #30-06-020-000-002 IFT #30-06-020-000-010 IFT #30-06-025-000-005 IFT #30-06-025-000-013 IFT #30-06-025-000-027 DDA  
JONES PLAT SEC 4 T6S R3W VILLAGE OF JONESVILLE

Powered by Community Center™ software from the Land Information Access Association

**Assessed Value**  
Showing Parcel Lines

[Print This Page](#) | [Close](#)

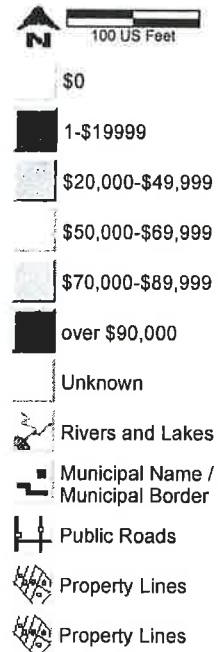


**Current Assessed Value (2007 Assessment Year)**

The property assessed value information was obtained from the tax parcel database provided by the Hillsdale County Equalization Department.

The property line data for Hillsdale County was provided by the Equalization Department. The parcel areas shown are meant to represent ownership parcels as described by the TAX ID number (each parcel area should correspond to a single TAX ID number, except where a road or other area splits the parcel into multiple areas). Where possible, the parcel map was adjusted to "fit" the database. However, there remains parcels on the map for which no data is attached, and database records for which no mapped parcel could be identified.

The computerized version of the tax parcel map seen here has NOT been VERIFIED as being correct and accurate, and inconsistencies between the parcel data and data sets provided by other agencies (e.g., the MDNR) do exist. This parcel information is included for general reference purposes only and should only be used to identify the general vicinity of a particular piece of property.



Hillsdale County Community Center

**Parcel Number 06 060 001 036**

[Close This Window](#) | [<Previous](#) | [Next>](#) | [Find Location on Map](#) | [300 Foot Radial Search](#)

Fayette Township - 2007 Assessment Year

**Parcel:** 06 060 001 036

**Property Address:** WATER ST

**Mailing Address:** 450 BOND ST  
LINCOLNSHIRE, IL 60069-1418

Property Information

**Assessment:** \$13,270

**Taxable Value:** \$13,270

**Homestead Percent:** 0%

**Qualified Ag.:** No

**Front Footage:** 0

**Average Lot Depth:** 0

Property School Information

**School District Code:** 30030

Property Sale Information

**Sale Date:** 5/1/1986

**Sale Price:** \$10

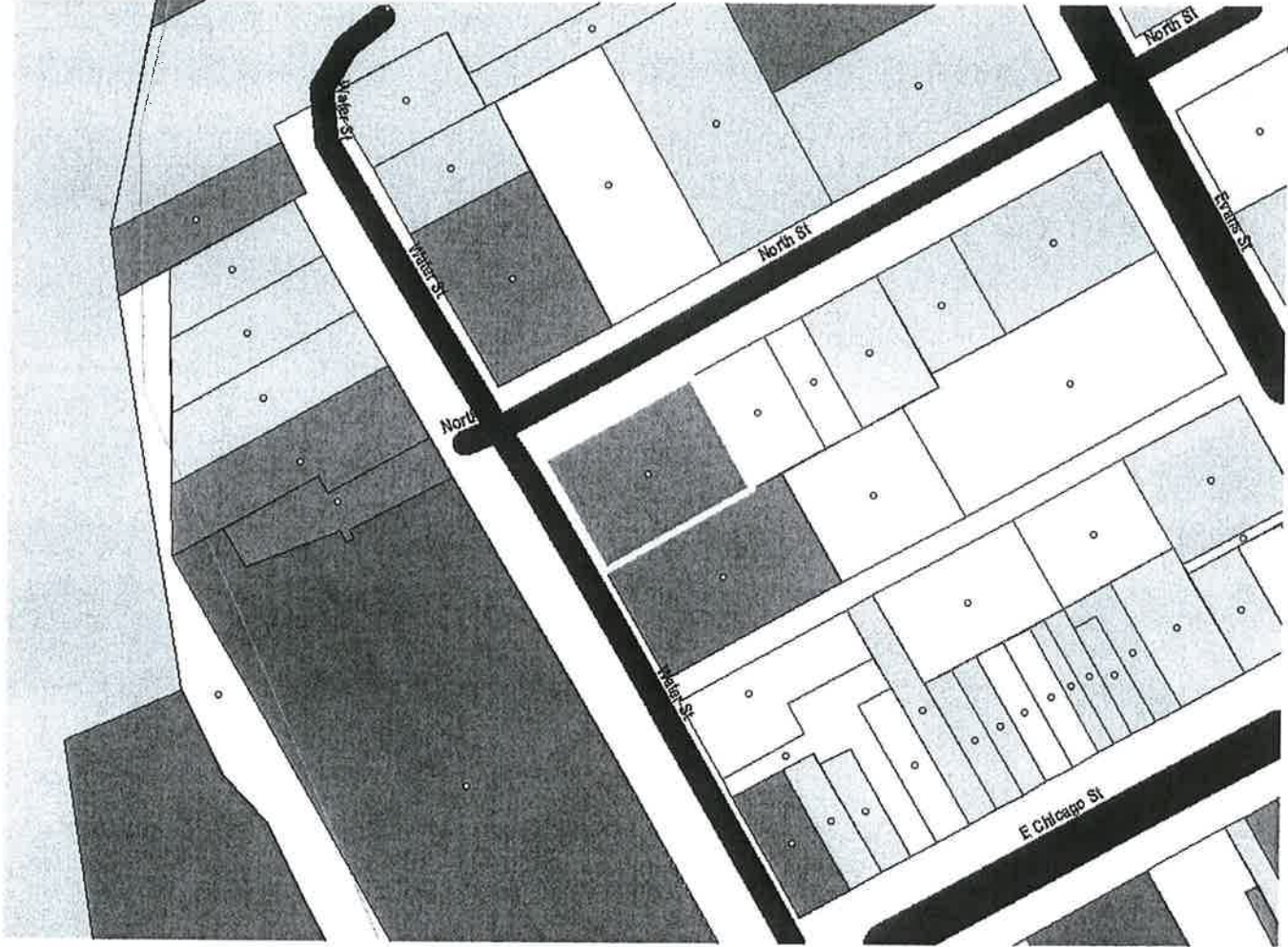
Legal Description

W 2 RD OF N1/2 OF LOT 19 & NLY 1/2 OF LOT 20 IFT #30-06-020-000-002 IFT #30-06-020-000-010 IFT #30-06-025-000-005 IFT #30-06-025-000-013 IFT #30-06-025-000-027 DDA JONES PLAT SEC 4 T6S R3W VILLAGE OF JONESVILLE

Powered by Community Center™ software from the Land Information Access Association

**Assessed Value**  
Showing Parcel Lines

[Print This Page](#) | [Close](#)

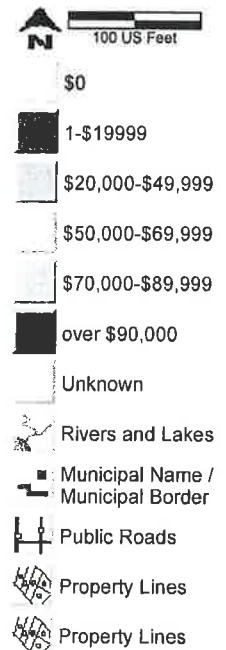


**Current Assessed Value (2007 Assessment Year)**

The property assessed value information was obtained from the tax parcel database provided by the Hillsdale County Equalization Department.

The property line data for Hillsdale County was provided by the Equalization Department. The parcel areas shown are meant to represent ownership parcels as described by the TAX ID number (each parcel area should correspond to a single TAX ID number, except where a road or other area splits the parcel into multiple areas). Where possible, the parcel map was adjusted to "fit" the database. However, there remains parcels on the map for which no data is attached, and database records for which no mapped parcel could be identified.

The computerized version of the tax parcel map seen here has NOT been VERIFIED as being correct and accurate, and inconsistencies between the parcel data and data sets provided by other agencies (e.g., the MDNR) do exist. This parcel information is included for general reference purposes only and should only be used to identify the general vicinity of a particular piece of property.



Hillsdale County Community Center

**Parcel Number 06 060 001 038**

[Close This Window](#) | [<Previous](#) | [Next>](#) | [Find Location on Map](#) | [300 Foot Radial Search](#)

Fayette Township - 2007 Assessment Year

**Parcel:** 06 060 001 038

**Property Address:** 121 WATER ST

**Mailing Address:** 450 BOND ST  
LINCOLNSHIRE, IL 60069-1418

Property Information

**Assessment:** \$366,365

**Taxable Value:** \$366,365

**Homestead Percent:** 0%

**Qualified Ag.:** No

**Front Footage:** 445

**Average Lot Depth:** 225

Property School Information

**School District Code:** 30030

Property Sale Information

**Sale Date:** 5/1/1986

**Sale Price:** \$10

Legal Description

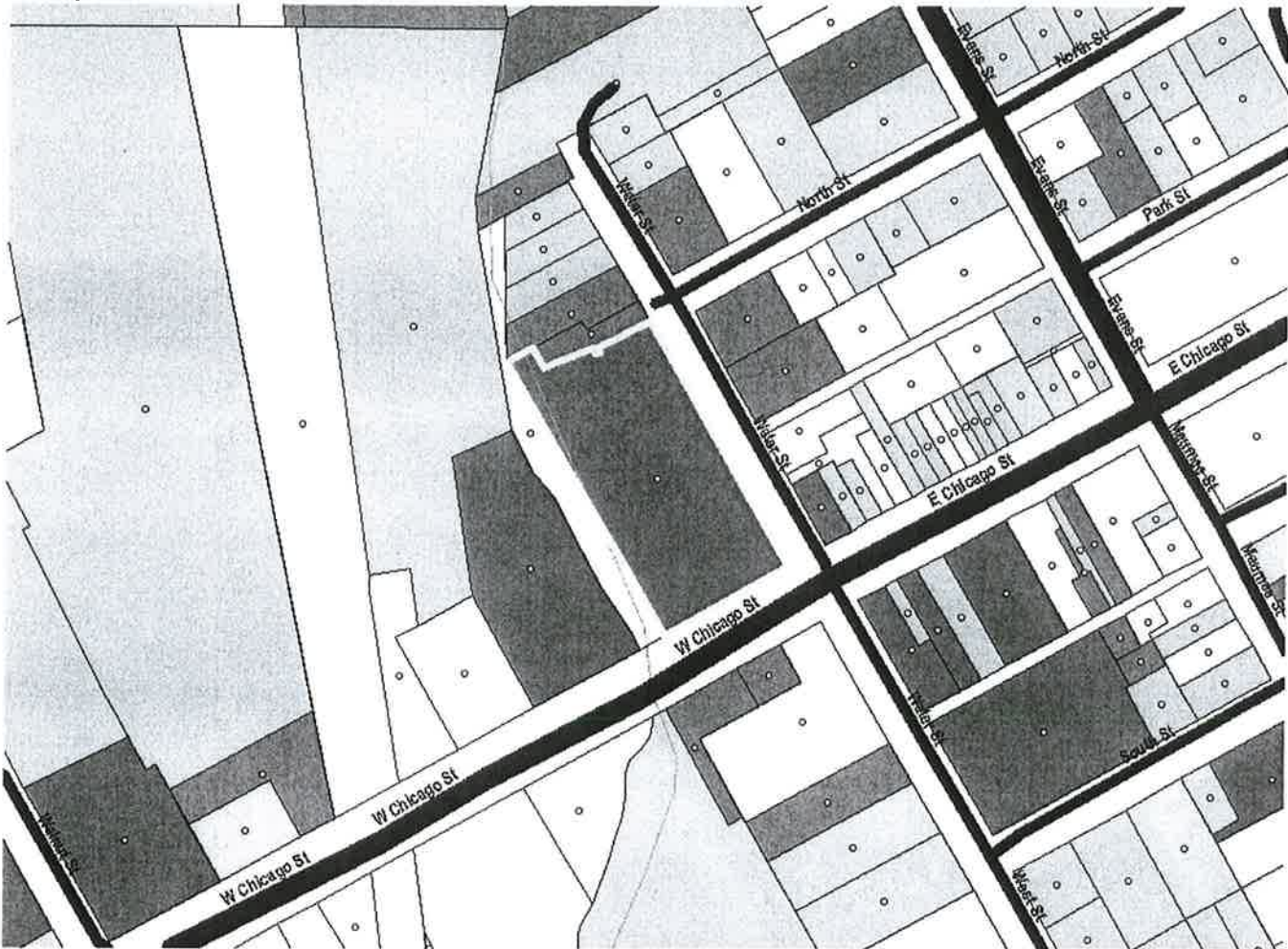
LOTS 21, 22 23 & 24 ALSO COM NE COR LT 21 TH S61;45'W ALG NLY LN SD LT, 177.38 FT TH N27;58'W 31 FT TH N71;31'E 82.58 FT TH S27;44'E 96 FT TH S27;44'E 7 FT TO NE COR LT 21 THE POB IFT #30-06-020-000-002 IFT #30-06-020-000-010 IFT #30-06-025-000-005 IFT #30-06-025-000-013 IFT #30-06-025-000-027 IFT #30-06-025-000-030 DDA JONES PLAT SEC 4 T6S R3W VILLAGE OF JONESVILLE

Powered by Community Center™ software from the Land Information Access Association

**Assessed Value**

Showing Parcel Lines

[Print This Page](#) | [Close](#)

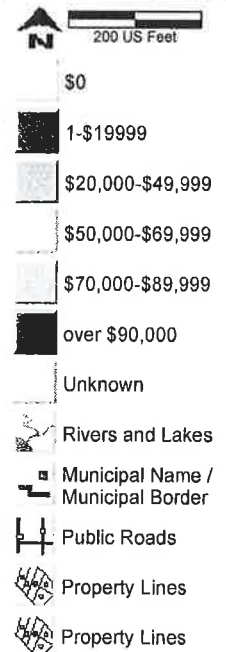


**Current Assessed Value (2007 Assessment Year)**

The property assessed value information was obtained from the tax parcel database provided by the Hillsdale County Equalization Department.

The property line data for Hillsdale County was provided by the Equalization Department. The parcel areas shown are meant to represent ownership parcels as described by the TAX ID number (each parcel area should correspond to a single TAX ID number, except where a road or other area splits the parcel into multiple areas). Where possible, the parcel map was adjusted to "fit" the database. However, there remains parcels on the map for which no data is attached, and database records for which no mapped parcel could be identified.

The computerized version of the tax parcel map seen here has NOT been VERIFIED as being correct and accurate, and inconsistencies between the parcel data and data sets provided by other agencies (e.g., the MDNR) do exist. This parcel information is included for general reference purposes only and should only be used to identify the general vicinity of a particular piece of property.



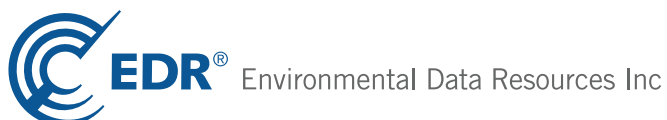
**APPENDIX D**  
**REGULATORY RECORDS DOCUMENTATION**

**Klein Tool - Jonesville**

121 Water St.  
Jonesville, MI 49250

Inquiry Number: 2930942.1s  
November 29, 2010

# The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



# TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	7
Orphan Summary .....	51
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting SSURGO Soil Map .....	A-5
Physical Setting Source Map .....	A-11
Physical Setting Source Map Findings .....	A-13
Physical Setting Source Records Searched .....	A-38

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

#### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2010 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## 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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

121 WATER ST.  
JONESVILLE, MI 49250

#### COORDINATES

Latitude (North): 41.983600 - 41° 59' 1.0"  
Longitude (West): 84.664300 - 84° 39' 51.5"  
Universal Transverse Mercator: Zone 16  
UTM X (Meters): 693497.8  
UTM Y (Meters): 4650381.0  
Elevation: 1071 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 41084-H6 HILLSDALE, MI  
Most Recent Revision: 1979

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
KLEIN TOOLS, INC. 121 WATER ST. JONESVILLE, MI 49250	AIRS	N/A
KLEIN TOOLS 121 WATER STREET JONESVILLE, MI 49250	PCB TRANSFORMER	N/A
KLEIN TOOLS 121 WATER ST. JONESVILLE, MI 49250	PCB TRANSFORMER	N/A
KLEIN TOOLS INC 121 WATER ST JONESVILLE, MI 49250	RCRA-NonGen FINDS	MID005038609
KLEIN TOOLS 121 WATER ST. JONESVILLE, MI 49250	PCB TRANSFORMER	N/A

## 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 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***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

#### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

#### ***Federal RCRA non-CORRACTS TSD facilities list***

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

#### ***Federal RCRA generators list***

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

#### ***Federal institutional controls / engineering controls registries***

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

#### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

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

SWF/LF..... Solid Waste Facilities Database

#### ***State and tribal leaking storage tank lists***

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

## EXECUTIVE SUMMARY

### ***State and tribal registered storage tank lists***

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

### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

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

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

ODI..... Open Dump Inventory  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
HIST LF..... Inactive Solid Waste Facilities  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

#### ***Local Lists of Hazardous waste / Contaminated Sites***

US CDL..... Clandestine Drug Labs  
CDL..... Clandestine Drug Lab Listing  
US HIST CDL..... National Clandestine Laboratory Register

#### ***Local Land Records***

LIENS 2..... CERCLA Lien Information  
LUCIS..... Land Use Control Information System  
LIENS..... Lien List

#### ***Records of Emergency Release Reports***

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... Pollution Emergency Alerting System

#### ***Other Ascertainable Records***

DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
UMTRA..... Uranium Mill Tailings Sites  
MINES..... Mines Master Index File  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

## EXECUTIVE SUMMARY

SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
UIC.....	Underground Injection Wells Database
WDS.....	Waste Data System
DRYCLEANERS.....	Drycleaning Establishments
NPDES.....	List of Active NPDES Permits
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
COAL ASH.....	Coal Ash Disposal Sites

### EDR PROPRIETARY RECORDS

#### ***EDR Proprietary Records***

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

### 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 05/25/2010 has revealed that there is 1 CORRACTS 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>
<b><i>SKD LP</i></b>	<b><i>260 GAIGE ST</i></b>	<b><i>SSW 1/2 - 1 (0.905 mi.)</i></b>	<b><i>H28</i></b>	<b><i>43</i></b>

## EXECUTIVE SUMMARY

### ***Federal RCRA generators list***

RCRA-CESQG: 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). 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.

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 RCRA-CESQG 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>
<b>CLARKS COUNTRY STORE</b>	<b>105 E CHICAGO RD</b>	<b>S 0 - 1/8 (0.059 mi.)</b>	<b>B6</b>	<b>15</b>

### ***State- and tribal - equivalent CERCLIS***

SHWS: The State Hazardous Waste Sites 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. The data come from the Department of Environmental Quality's Contaminated Sites List on Diskette With Address.

A review of the SHWS list, as provided by EDR, and dated 08/02/2010 has revealed that there are 2 SHWS sites 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>
WATKINS OIL-JONESVILLE Facility Status: Inactive - no actions taken to address contamination	475 EAST CHICAGO RD.	ENE 1/4 - 1/2 (0.461 mi.)	F21	37
<b>STILLWELL FORD MERCURY</b> Facility Status: Inactive - no actions taken to address contamination	<b>378 BECK RD</b>	<b>S 1/2 - 1 (0.735 mi.)</b>	<b>G25</b>	<b>42</b>

### ***State and tribal leaking storage tank lists***

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 08/23/2010 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>JONESVILLE GLASS WORKS</b> Facility Status: Closed Facility Status: Closed <i>*Additional key fields are available in the Map Findings section</i>	<b>264 E CHICAGO ST</b>	<b>E 0 - 1/8 (0.106 mi.)</b>	<b>C9</b>	<b>20</b>
VLG OF JONESVILLE FIRE STATION Facility Status: Open	103 EVANS ST	E 1/8 - 1/4 (0.139 mi.)	10	24
<b>C A MURPHY OIL CO</b> Facility Status: Closed	<b>201 W CHICAGO ST</b>	<b>SW 1/4 - 1/2 (0.269 mi.)</b>	<b>E17</b>	<b>31</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>D &amp; B OIL CO</b> Facility Status: Open Facility Status: Open	<b>475 E CHICAGO ST</b>	<b>ENE 1/4 - 1/2 (0.461 mi.)</b>	<b>F22</b>	<b>38</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PIPELINE OIL SALES</b> Facility Status: Open	<b>100 E CHICAGO</b>	<b>S 0 - 1/8 (0.060 mi.)</b>	<b>B7</b>	<b>17</b>
<b>VILLAGE OF JONESVILLE</b> Facility Status: Closed	<b>114 W CHICAGO ST</b>	<b>SW 1/8 - 1/4 (0.221 mi.)</b>	<b>D12</b>	<b>25</b>
<b>WALTERS-DIMMICK PETROLEUM</b> Facility Status: Open	<b>122 W CHICAGO ST</b>	<b>SW 1/8 - 1/4 (0.225 mi.)</b>	<b>D13</b>	<b>26</b>

### **State and tribal registered storage tank lists**

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the UST list, as provided by EDR, and dated 05/21/2010 has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>JONESVILLE GLASS WORKS</b> DON SCOTT DRILLING CO INC	<b>264 E CHICAGO ST</b> 402 E CHICAGO ST., PO B	<b>E 0 - 1/8 (0.106 mi.)</b> ENE 1/8 - 1/4 (0.240 mi.)	<b>C9</b> 14	<b>20</b> 28
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
<b>PIPELINE OIL SALES</b>	<b>100 E CHICAGO</b>	<b>S 0 - 1/8 (0.060 mi.)</b>	<b>B7</b>	<b>17</b>
<b>VILLAGE OF JONESVILLE</b>	<b>114 W CHICAGO ST</b>	<b>SW 1/8 - 1/4 (0.221 mi.)</b>	<b>D12</b>	<b>25</b>
<b>WALTERS-DIMMICK PETROLEUM</b>	<b>122 W CHICAGO ST</b>	<b>SW 1/8 - 1/4 (0.225 mi.)</b>	<b>D13</b>	<b>26</b>

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Natural Resources' Michigan AST database.

A review of the AST list, as provided by EDR, and dated 09/15/2010 has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMERIGAS	264 E CHICAGO ST	E 0 - 1/8 (0.106 mi.)	C8	19
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
AMERIGAS	108 W CHICAGO ST	SW 1/8 - 1/4 (0.218 mi.)	D11	24

## EXECUTIVE SUMMARY

### ***State and tribal institutional control / engineering control registries***

AUL: A listing of sites with institutional and/or engineering controls in place.

A review of the AUL list, as provided by EDR, and dated 10/04/2010 has revealed that there are 5 AUL sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEROKE STATION (125 W.CHICAGO	201 W. CHICAGO DR.	SW 1/4 - 1/2 (0.269 mi.)	E15	29
CHEROKE STATION (124-126 W. CH	201 W. CHICAGO DR.	SW 1/4 - 1/2 (0.269 mi.)	E16	30
CHEROKE STATION (PARCEL 30-06-	201 W. CHICAGO DR.	SW 1/4 - 1/2 (0.269 mi.)	E18	34
CHEROKE STATION (201 W. CHICAG	201 W. CHICAGO DR.	SW 1/4 - 1/2 (0.269 mi.)	E19	35
CHEROKE STATION (202 W. CHICAG	201 W. CHICAGO DR.	SW 1/4 - 1/2 (0.269 mi.)	E20	36

### ***State and tribal Brownfields sites***

BROWNFIELDS: Brownfields and USTfield Site Database.

A review of the BROWNFIELDS list, as provided by EDR, and dated 09/27/2010 has revealed that there are 3 BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>JONESVILLE GLASS WORKS</b>	<b>264 E CHICAGO ST</b>	<b>E 0 - 1/8 (0.106 mi.)</b>	<b>C9</b>	<b>20</b>
JONESVILLE STATE POLICE POST	476 EAST CHICAGO ROAD	ENE 1/4 - 1/2 (0.464 mi.)	F23	41
WATKINS OIL	475 EAST CHICAGO	ENE 1/4 - 1/2 (0.495 mi.)	24	42

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Lists of Hazardous waste / Contaminated Sites***

DEL SHWS: Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does support its listing or the site no longer meets criteria specified in rules.

A review of the DEL SHWS list, as provided by EDR, and dated 08/04/2010 has revealed that there are 3 DEL SHWS sites 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>
RES WELL BECK RD	391 BECK RD	S 1/2 - 1 (0.739 mi.)	G26	43
TRIPLE A TUBE CO	470 BECK ROAD	S 1/2 - 1 (0.766 mi.)	27	43
<b>ADDISON PRODUCTS</b>	<b>260 GIAGE ST.</b>	<b>SSW 1/2 - 1 (0.905 mi.)</b>	<b>H29</b>	<b>49</b>

#### ***Other Ascertainable Records***

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 08/27/2010 has revealed that there is 1 BEA



## EXECUTIVE SUMMARY

site within approximately 0.5 miles of the target property.

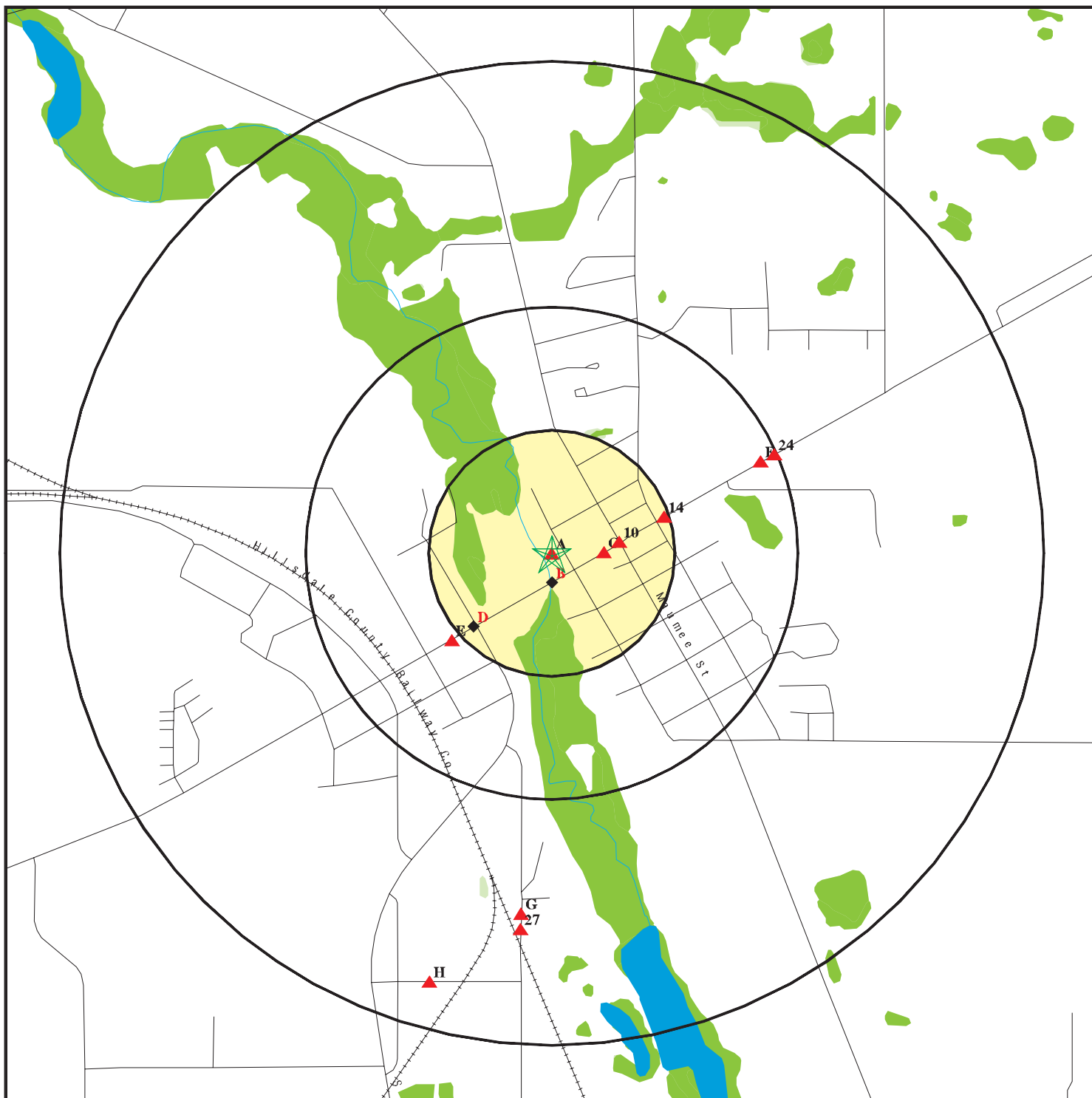
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>JONESVILLE GLASS WORKS</i>	<i>264 E CHICAGO ST</i>	<i>E 0 - 1/8 (0.106 mi.)</i>	<i>C9</i>	<i>20</i>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

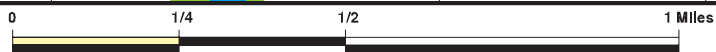
<u>Site Name</u>	<u>Database(s)</u>
SCIPIO GAS PLANT	SHWS
VILLAGE OF JONESVILLE DISPOSAL	HIST LF
JONESVILLE VLG OLD DUMP	BROWNFIELDS
JONESVILLE CITGO INC	LUST, UST
MARATHON OIL CO	AST
MARATHON OIL CO	AST
C.A. PERRY & SON	AST
C.A. PERRY & SON	AST
C.A. PERRY & SON	AST
C.A. PERRY & SON	AST
MARATHON OIL CO	AST
C.A. PERRY & SON	AST
MARATHON OIL CO	AST
MARATHON OIL CO	AST
C.A. PERRY & SON	AST
VILLAGE OF JONESVILLE DEPARTMENT O	RCRA-CESQG, FINDS
JONESVILLE STP	FINDS
VILLAGE OF JONESVILLE	FINDS, NPDES
VILLAGE OF JONESVILLE DISPOSAL	FINDS

# OVERVIEW MAP - 2930942.1s



- ★ 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

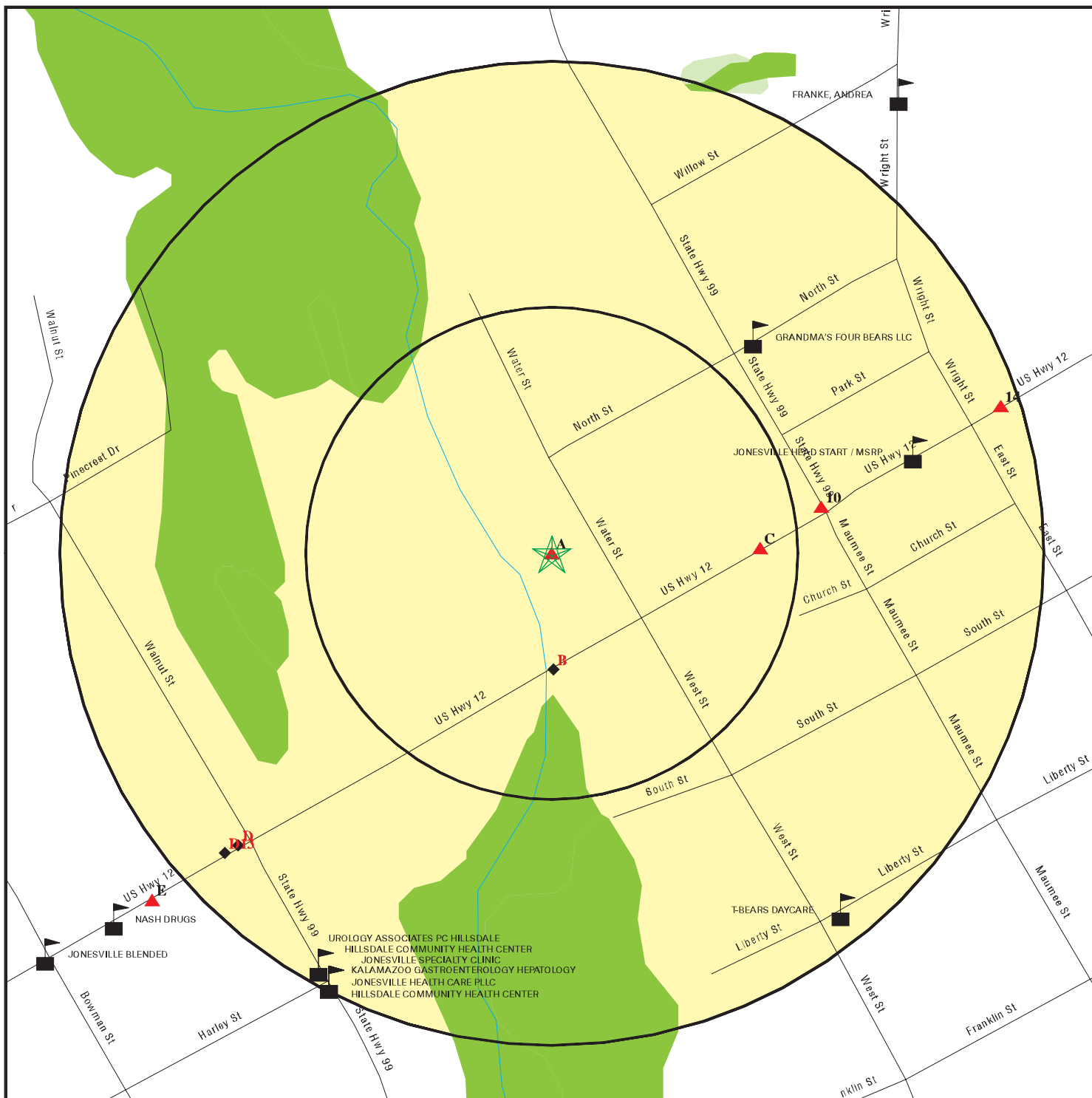
- Indian Reservations BIA
- ▲ Oil & Gas pipelines
- National Wetland Inventory
- State Wetlands



SITE NAME: Klein Tool - Jonesville  
 ADDRESS: 121 Water St.  
 Jonesville MI 49250  
 LAT/LONG: 41.9836 / 84.6643

CLIENT: Soil & Materials Engineers Inc  
 CONTACT: Casey E. Smith  
 INQUIRY #: 2930942.1s  
 DATE: November 29, 2010 9:44 am

# DETAIL MAP - 2930942.1s



- ★ 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
- Oil & Gas pipelines
- National Wetland Inventory
- State Wetlands

SITE NAME: Klein Tool - Jonesville  
 ADDRESS: 121 Water St.  
 Jonesville MI 49250  
 LAT/LONG: 41.9836 / 84.6643

CLIENT: Soil & Materials Engineers Inc  
 CONTACT: Casey E. Smith  
 INQUIRY #: 2930942.1s  
 DATE: November 29, 2010 9:44 am

## 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
<b><u>STANDARD ENVIRONMENTAL RECORDS</u></b>								
<b><i>Federal NPL site list</i></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL		1.000	0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS		1.000	0	0	0	1	NR	1
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	1	0	NR	NR	NR	1
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS		TP	NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS		1.000	0	0	1	1	NR	2
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF		0.500	0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST		0.500	2	3	2	NR	NR	7
INDIAN LUST		0.500	0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
UST		0.250	2	3	NR	NR	NR	5

## 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
AST		0.250	1	1	NR	NR	NR	2
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
AUL		0.500	0	0	5	NR	NR	5
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP		0.500	0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS		0.500	1	0	2	NR	NR	3
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL		TP	NR	NR	NR	NR	NR	0
DEL SHWS		1,000	0	0	0	3	NR	3
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA-NonGen	X	0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1,000	0	0	0	0	NR	0
FUDS		1,000	0	0	0	0	NR	0
CONSENT		1,000	0	0	0	0	NR	0
ROD		1,000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0

## 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
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
WDS		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS	X	TP	NR	NR	NR	NR	NR	0
BEA		0.500	1	0	0	NR	NR	1
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER	X	TP	NR	NR	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0

### EDR PROPRIETARY RECORDS

#### *EDR Proprietary Records*

Manufactured Gas Plants		1.000	0	0	0	0	NR	0
-------------------------	--	-------	---	---	---	---	----	---

#### 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**  
**Target**  
**Property**

**KLEIN TOOLS, INC.**  
**121 WATER ST.**  
**JONESVILLE, MI 49250**

**AIRS** **S107696174**  
**N/A**

**Site 1 of 5 in cluster A**

**Actual:**  
**1071 ft.**

AIRS:  
State Registration Number: A1376  
Naics Code: Not reported  
Contact Name: NICOLAS ACOSTA  
Contact Phone: (517) 849-9971  
Contact Address: KLEIN TOOLS, INC.  
Contact Address 2: 121 WATER ST.  
Contact City,St,Zip: JONESVILLE, MI 49250  
Permit Number: 611-94  
Date Received: 12/08/94  
State Registration Number: A1376  
Country: Not reported  
Application Reason: COATING OPERATION  
Record Type: Not reported  
State County FIPS: Not reported  
Facility Category: Not reported  
SIC Primary: Not reported  
Tribal Code: Not reported  
EI Year: Not reported

**A2**  
**Target**  
**Property**

**KLEIN TOOLS**  
**121 WATER STREET**  
**JONESVILLE, MI 49250**

**PCB TRANSFORMER** **1011964518**  
**N/A**

**Site 2 of 5 in cluster A**

**Actual:**  
**1071 ft.**

PCB TRANSFORMER:  
Company name: Klein Tools  
Company address: P.O. Box 5  
Jonesville, MI 49250  
Contact: Bill Sauer  
Contact phone: 517-849-9971  
Transformer location ID: 1378  
Transformer box number: 1  
Record ID: 1721  
Document ID: 00441  
Number of transformers: 2  
Weight lbs: Not reported  
Weight kgs: 170  
Flammable: N  
Office region: 5  
Officer title: General Manager  
Officer name: Thomas Dragan  
Date assigned: 1/25/1999



MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A3**  
**Target**  
**Property**

**KLEIN TOOLS**  
**121 WATER ST.**  
**JONESVILLE, MI 49250**

**PCB TRANSFORMER**    **1011964393**  
**N/A**

**Site 3 of 5 in cluster A**

**Actual:**            PCB TRANSFORMER:  
**1071 ft.**

Company name:            Klein Tools  
Company address:        121 Water Street  
   Jonesville, MI 49250

Contact:                    Steve Williams  
Contact phone:            517-849-9971  
Transformer location ID: 1378  
Transformer box number: 1  
Record ID:                 4498  
Document ID:              00997  
Number of transformers: 0  
Weight lbs:                0  
Weight kgs:                0  
Flammable:                N  
Office region:             5  
Officer title:               Operations Manager  
Officer name:              Robert Newton  
Date assigned:             5/24/2005

**A4**  
**Target**  
**Property**

**KLEIN TOOLS INC**  
**121 WATER ST**  
**JONESVILLE, MI 49250**

**RCRA-NonGen**    **1000326666**  
**FINDS**            **MID005038609**

**Site 4 of 5 in cluster A**

**Actual:**            RCRA-NonGen:  
**1071 ft.**

Date form received by agency: 03/01/2008  
Facility name:            KLEIN TOOLS INC  
Facility address:        121 WATER ST  
   JONESVILLE, MI 49250

EPA ID:                     MID005038609  
Mailing address:        450 BOND ST  
   LINCOLNSHIRE, IL 60069

Contact:                    RUSSELL G WINNIE  
Contact address:        Not reported  
   Not reported

Contact country:        Not reported  
Contact telephone:     (847) 821-5569  
Contact email:            Not reported  
EPA Region:              05  
Land type:                Other land type  
Classification:            Non-Generator  
Description:              Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:  
Owner/operator name:    NO ACTIVE O/OP AS NOT GENERATING WASTE  
Owner/operator address: Not reported  
   Not reported

Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status:              Private  
Owner/Operator Type:    Operator  
Owner/Op start date:     03/22/2007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KLEIN TOOLS INC (Continued)**

**1000326666**

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Owner/operator address: Not reported  
Not reported

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 03/22/2007  
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Owner/operator address: Not reported  
Not reported

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 03/22/2007  
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Owner/operator address: Not reported  
Not reported

Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 03/22/2007  
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

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

Waste type: Lamps

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KLEIN TOOLS INC (Continued)**

**1000326666**

Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: Pesticides  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: Thermostats  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: MERCURY SWITCHES  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: Batteries  
Accumulated waste on-site: No  
Generated waste on-site: Not reported

Waste type: Lamps  
Accumulated waste on-site: No  
Generated waste on-site: Not reported

Waste type: Pesticides  
Accumulated waste on-site: No  
Generated waste on-site: Not reported

Waste type: Thermostats  
Accumulated waste on-site: No  
Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 02/12/2008  
Facility name: KLEIN TOOLS INC  
Classification: Not a generator, verified

Date form received by agency: 03/01/2006  
Facility name: KLEIN TOOLS INC  
Classification: Large Quantity Generator

Date form received by agency: 02/22/2006  
Facility name: KLEIN TOOLS INC  
Classification: Large Quantity Generator

Date form received by agency: 03/02/2005  
Facility name: KLEIN TOOLS INC  
Classification: Large Quantity Generator

Date form received by agency: 03/01/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KLEIN TOOLS INC (Continued)**

**1000326666**

Facility name: KLEIN TOOLS INC  
Classification: Large Quantity Generator

Date form received by agency: 02/27/2004  
Facility name: KLEIN TOOLS INC  
Classification: Large Quantity Generator

Date form received by agency: 04/15/2003  
Facility name: KLEIN TOOLS INC  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/15/2003  
Facility name: KLEIN TOOLS INC  
Classification: Large Quantity Generator

Date form received by agency: 07/31/1980  
Facility name: KLEIN TOOLS INC  
Classification: Small Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2009

Annual Waste Handled:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-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.  
Amount (Lbs): 100

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): 45

Waste code: D018  
Waste name: BENZENE  
Amount (Lbs): 90

Waste code: D035  
Waste name: METHYL ETHYL KETONE  
Amount (Lbs): 90

Waste code: U154  
Waste name: METHANOL (I)  
Amount (Lbs): 90

Waste code: U159  
Waste name: 2-BUTANONE (I,T)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KLEIN TOOLS INC (Continued)**

**1000326666**

Amount (Lbs): 90  
  
Waste code: U220  
Waste name: BENZENE, METHYL-  
Amount (Lbs): 90  
  
Waste code: U226  
Waste name: ETHANE, 1,1,1-TRICHLORO-  
Amount (Lbs): 10

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: Generators - General  
Date violation determined: 03/25/2004  
Date achieved compliance: 06/17/2004  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/15/2004  
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: Generators - Manifest  
Date violation determined: 03/25/2004  
Date achieved compliance: 06/17/2004  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/15/2004  
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: Generators - Records/Reporting  
Date violation determined: 03/25/2004  
Date achieved compliance: 06/17/2004  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/15/2004  
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: Generators - Pre-transport  
Date violation determined: 03/25/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KLEIN TOOLS INC (Continued)**

**1000326666**

Date achieved compliance: 06/17/2004  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/15/2004  
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

Evaluation Action Summary:

Evaluation date: 03/25/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Manifest  
Date achieved compliance: 06/17/2004  
Evaluation lead agency: State

Evaluation date: 03/25/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 06/17/2004  
Evaluation lead agency: State

Evaluation date: 03/25/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 06/17/2004  
Evaluation lead agency: State

Evaluation date: 03/25/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 06/17/2004  
Evaluation lead agency: State

Evaluation date: 03/19/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 11/30/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**FINDS:**

Registry ID: 110000410029

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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**KLEIN TOOLS INC (Continued)**

**1000326666**

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.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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.

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.

**A5  
 Target  
 Property**

**KLEIN TOOLS  
 121 WATER ST.  
 JONESVILLE, MI 49250**

**PCB TRANSFORMER**

**1011968682  
 N/A**

**Site 5 of 5 in cluster A**

**Actual:  
 1071 ft.**

PCB TRANSFORMER:  
 Company name: Klein Tools  
 Company address: 121 Water Street  
 Jonesville, MI 49250  
 Contact: Steve Williams  
 Contact phone: 517-849-9971  
 Transformer location ID: 1378  
 Transformer box number: 1  
 Record ID: 4498  
 Document ID: 00997  
 Number of transformers: 0  
 Weight lbs: 0  
 Weight kgs: 0  
 Flammable: N  
 Office region: 5  
 Officer title: Operations Manager  
 Officer name: Robert Newton  
 Date assigned: 5/24/2005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B6**  
**South**  
**< 1/8**  
**0.059 mi.**  
**312 ft.**

**CLARKS COUNTRY STORE**  
**105 E CHICAGO RD**  
**JONESVILLE, MI 49250**

**RCRA-CESQG** **1004723885**  
**FINDS** **MID985651124**

**Site 1 of 2 in cluster B**

**Relative:**  
**Lower**

RCRA-CESQG:

Date form received by agency: 09/09/1992

Facility name: CLARKS COUNTRY STORE

Facility address: 105 E CHICAGO RD  
JONESVILLE, MI 49250

EPA ID: MID985651124

Contact: RANDY GAMBLE

Contact address: 105 E CHICAGO RD  
JONESVILLE, MI 49250

Contact country: Not reported

Contact telephone: (517) 787-3393

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

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

Owner/Operator Summary:

Owner/operator name: LEMMON SAMDY

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Owner/operator name: LEMMON SAMDY

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLARKS COUNTRY STORE (Continued)**

**1004723885**

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  
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

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

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

Waste type: Pesticides  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: Thermostats  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: MERCURY SWITCHES  
Accumulated waste on-site: No  
Generated waste on-site: No

Violation Status: No violations found

**FINDS:**

Registry ID: 110006042059

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLARKS COUNTRY STORE (Continued)**

1004723885

corrective action activities required under RCRA.

**B7**  
**South**  
**< 1/8**  
**0.060 mi.**  
**317 ft.**

**PIPELINE OIL SALES**  
**100 E CHICAGO**  
**JONESVILLE, MI 49203**

**Site 2 of 2 in cluster B**

**LUST** **U000254223**  
**UST** **N/A**

**Relative:**  
**Lower**

**LUST:**

**Actual:**  
**1062 ft.**

Facility ID: 00002099  
Source: STATE OF MICHIGAN  
Owner Name: Pipeline Oil Sales Inc  
Owner Address: 744 E South St  
Owner City,St,Zip: Jackson, MI 49203-4462  
Owner Contact: Not reported  
Owner Phone: (517) 206-2850  
Country: USA  
District: Jackson District Office  
Site Name: Jonesville Marathon  
Latitude: 41.9825890000  
Longitude: -84.6642460000  
Date of Collection: 01-11-2001  
Method of Collection: Address Matching-House Number  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
  
Leak Number: C-0370-85  
Release Date: Dec 21 1989  
Substance Released: Not reported  
Release Status: Open  
Release Closed Date: Not reported

**UST:**

Facility ID: 00002099  
Facility Type: CLOSED  
Latitude: 41.9825890000  
Longitude: -84.6642460000  
Owner Name: Pipeline Oil Sales  
Owner Address: 744 E South St  
Owner City,St,Zip: Jackson, MI 49203-4462  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (517) 784-3400  
Contact: UNKNOWN  
Contact Phone: (517) 849-9163  
Date of Collection: 01-11-2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

PIPELINE OIL SALES (Continued)

U000254223

Tank ID: 1  
**Tank Status:** **Removed from Ground**  
Capacity: 4000  
Install Date: Apr 24 1976  
Product: Gasoline  
Remove Date: Dec 1 1988  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 2  
**Tank Status:** **Removed from Ground**  
Capacity: 4000  
Install Date: Apr 24 1976  
Product: Gasoline  
Remove Date: Dec 1 1989  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 3  
**Tank Status:** **Removed from Ground**  
Capacity: 4000  
Install Date: Apr 24 1976  
Product: Gasoline  
Remove Date: Dec 1 1989  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 4  
**Tank Status:** **Removed from Ground**  
Capacity: 4000  
Install Date: Apr 24 1976  
Product: Gasoline  
Remove Date: Dec 1 1989  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 5

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PIPELINE OIL SALES (Continued)**

**U000254223**

**Tank Status:** Removed from Ground  
Capacity: 4000  
Install Date: Apr 24 1976  
Product: Gasoline  
Remove Date: Dec 1 1989  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

**C8**  
**East**  
**< 1/8**  
**0.106 mi.**  
**559 ft.**

**AMERIGAS**  
**264 E CHICAGO ST**  
**JONESVILLE, MI 49250**

**Site 1 of 2 in cluster C**

**AST A100269201**  
**N/A**

**Relative:**  
**Higher**

**AST:**

**Actual:**  
**1075 ft.**

Type: CLOSED  
Owner Name: Amerigas  
Owner Address: 5025 Carpenter Rd  
Owner City,St,Zip: Ypsilanti, MI 48197  
Owner County: USA  
Owner Contact: Not reported  
Owner Telephone: (734) 434-5481  
Facility ID: 92030533  
District: Jackson District Office  
Contact: Not reported  
Facility Phone: ( ) -  
Tank ID: 41.9834500000  
Tank Status: Not reported  
Capacity: Not reported  
Install Date: Not reported  
Close Date: Not reported  
Content: Not reported  
Latitude: Not reported  
Longitude: -84.6622290000  
Date of Collection: 01-11-2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: Not reported  
Point Line Area: Not reported  
Description of Category: Not reported  
Method of Collection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C9**  
**East**  
**< 1/8**  
**0.106 mi.**  
**559 ft.**

**JONESVILLE GLASS WORKS**  
**264 E CHICAGO ST**  
**JONESVILLE, MI 49250**  
**Site 2 of 2 in cluster C**

**LUST** **U000254288**  
**UST** **N/A**  
**BROWNFIELDS**  
**BEA**

**Relative:**  
**Higher**

LUST:

Facility ID: 00012141  
Source: STATE OF MICHIGAN  
Owner Name: Jonesville Glass Works  
Owner Address: 264 E Chicago St  
Owner City,St,Zip: Jonesville, MI 49250-1003  
Owner Contact: Not reported  
Owner Phone: (512) 849-7881  
Country: USA  
District: Jackson District Office  
Site Name: Jonesville Glass Works  
Latitude: 41.9834500000  
Longitude: -84.6622290000  
Date of Collection: 01-11-2001  
Method of Collection: Address Matching-House Number  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)

**Actual:**  
**1075 ft.**

Leak Number: C-0504-98  
Release Date: Jun 16 1998  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: Jan 6 2004

Leak Number: C-0627-99  
Release Date: Jun 30 1999  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: Jan 6 2004

Leak Number: C-1029-99  
Release Date: Oct 7 1999  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: Jan 6 2004

UST:

Facility ID: 00012141  
Facility Type: CLOSED  
Latitude: 41.9834500000  
Longitude: -84.6622290000  
Owner Name: Jonesville Glass Works  
Owner Address: 264 E Chicago St  
Owner City,St,Zip: Jonesville, MI 49250-1003  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (512) 849-7881  
Contact: KATHY POWELL  
Contact Phone: (517) 849-9881  
Date of Collection: 01-11-2001  
Accuracy: 100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JONESVILLE GLASS WORKS (Continued)**

**U000254288**

Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status: Removed from Ground**  
Capacity: 4000  
Install Date: Apr 26 1971  
Product: Gasoline  
Remove Date: Jun 12 1998  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 2  
**Tank Status: Removed from Ground**  
Capacity: 4000  
Install Date: Apr 26 1971  
Product: Gasoline  
Remove Date: Jun 12 1998  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 3  
**Tank Status: Removed from Ground**  
Capacity: 4000  
Install Date: Apr 26 1971  
Product: Gasoline  
Remove Date: Jun 12 1998  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 4  
**Tank Status: Removed from Ground**  
Capacity: 4000  
Install Date: Apr 26 1971  
Product: Gasoline  
Remove Date: Jun 12 1998  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JONESVILLE GLASS WORKS (Continued)**

**U000254288**

Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 5  
**Tank Status: Removed from Ground**  
Capacity: 1000  
Install Date: Apr 26 1971  
Product: Diesel  
Remove Date: Jun 12 1998  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 6  
**Tank Status: Removed from Ground**  
Capacity: 1000  
Install Date: Apr 26 1971  
Product: Kerosene  
Remove Date: Jun 12 1998  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 7  
**Tank Status: Removed from Ground**  
Capacity: 1000  
Install Date: Apr 26 1971  
Product: Used Oil  
Remove Date: Jun 12 1998  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 8  
**Tank Status: Removed from Ground**  
Capacity: 750  
Install Date: Not reported  
Product: UNK  
Remove Date: Sep 24 1999  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Unknown

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JONESVILLE GLASS WORKS (Continued)**

**U000254288**

Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: NRT1  
**Tank Status: Removed from Ground**  
Capacity: 700  
Install Date: Jan 1 1930  
Product: Gasoline  
Remove Date: Jun 3 1999  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Bare Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: Phantom  
**Tank Status: Non-Registered Tank**  
Capacity: Not reported  
Install Date: Not reported  
Product: Unknown  
Remove Date: Not reported  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Not reported  
Piping Type: Not reported  
Constr Material: Not reported  
Impressed Device: No

**BROWNFIELD:**

Facility ID: 00012141  
Region: 1  
Status: Closed LP  
Properry Use: Not reported  
Use at Time of Listing: Not reported  
Proposed Redevelopment: Not reported  
BEA: No  
Ernie Id Number: 30000285  
Redevelop Status: Not reported

**BEA:**

Secondary Address: Not reported  
BEA Number: 236  
District: Jackson  
Date Received: 4/18/2000  
Submitter Name: Kathy Powell  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: No Hazardous Substance(s)  
Determination 20107A: No Request  
Reviewer: temppm  
Division Assigned: Storage Tank Division



MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)      EDR ID Number  
 EPA ID Number

**10**  
**East**  
**1/8-1/4**  
**0.139 mi.**  
**733 ft.**

**VLG OF JONESVILLE FIRE STATION**  
**103 EVANS ST**  
**JONESVILLE, MI 49250**

**LUST**    **S102353356**  
**N/A**

**Relative:**  
**Higher**

LUST:  
 Facility ID:                    50000760  
 Source:                         STATE OF MICHIGAN  
 Owner Name:                  Nrt Owner  
 Owner Address:                Unknown  
 Owner City,St,Zip:          Unknown, MI 99999  
 Owner Contact:                Not reported  
 Owner Phone:                 Not reported  
 Country:                        USA  
 District:                        Jackson District Office  
 Site Name:                      Vlg Of Jonesville Fire Station  
 Latitude:                        41.9839120000  
 Longitude:                      -84.6619090000  
 Date of Collection:            01-11-2001  
 Method of Collection:        Address Matching-House Number  
 Accuracy:                       100  
 Accuracy Value Unit:        FEET  
 Horizontal Data:               NAD83  
 Point Line Area:              POINT  
 Desc Category:                Plant Entrance (Freight)

Leak Number:                  C-0492-91  
 Release Date:                 Mar 25 1991  
 Substance Released:         Not reported  
 Release Status:                Open  
 Release Closed Date:        Not reported

**D11**  
**SW**  
**1/8-1/4**  
**0.218 mi.**  
**1150 ft.**

**AMERIGAS**  
**108 W CHICAGO ST**  
**JONESVILLE, MI 49250**  
**Site 1 of 3 in cluster D**

**AST**    **A100151076**  
**N/A**

**Relative:**  
**Lower**

AST:  
 Type:                            ACTIVE  
 Owner Name:                  Amerigas  
 Owner Address:                681 E Chicago Rd  
 Owner City,St,Zip:          Coldwater, MI 49036  
 Owner County:                USA  
 Owner Contact:                Not reported  
 Owner Telephone:            (517) 278-4521  
 Facility ID:                      92084064  
 District:                        Jackson District Office  
 Contact:                         James Graves  
 Facility Phone:                (517) 849-2181  
 Tank ID:                         41.9826120000  
 Tank Status:                  Not reported  
 Capacity:                        Not reported  
 Install Date:                  Not reported  
 Close Date:                    Not reported  
 Content:                         Not reported  
 Latitude:                        Not reported  
 Longitude:                      -84.6649350000  
 Date of Collection:            01-11-2001  
 Accuracy:                       100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERIGAS (Continued)**

**A100151076**

Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: Not reported  
Point Line Area: Not reported  
Description of Category: Not reported  
Method of Collection: Not reported

**D12**  
**SW**  
**1/8-1/4**  
**0.221 mi.**  
**1167 ft.**

**VILLAGE OF JONESVILLE**  
**114 W CHICAGO ST**  
**JONESVILLE, MI 49250**

**LUST U000254240**  
**UST N/A**

**Site 2 of 3 in cluster D**

**Relative:**  
**Lower**

**LUST:**

Facility ID: 00014743  
Source: STATE OF MICHIGAN  
Owner Name: Village Of Jonesville  
Owner Address: 103 Evans St  
Owner City,St,Zip: Jonesville, MI 49250-1009  
Owner Contact: Not reported  
Owner Phone: (517) 849-2104  
Country: USA  
District: Jackson District Office  
Site Name: Jonesville Fire Station  
Latitude: 41.9825520000  
Longitude: -84.6650750000  
Date of Collection: 01-11-2001  
Method of Collection: Address Matching-House Number  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
  
Leak Number: C-0371-85  
Release Date: Mar 25 1991  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: Sep 20 2002

**UST:**

Facility ID: 00014743  
Facility Type: CLOSED  
Latitude: 41.9825520000  
Longitude: -84.6650750000  
Owner Name: Village Of Jonesville  
Owner Address: 103 Evans St  
Owner City,St,Zip: Jonesville, MI 49250-1009  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (517) 849-2104  
Contact: CLAUDE J RUSSELL  
Contact Phone: (517) 849-9451  
Date of Collection: 01-11-2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

VILLAGE OF JONESVILLE (Continued)

U000254240

Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status: Removed from Ground**  
Capacity: 1500  
Install Date: Mar 6 1946  
Product: Gasoline  
Remove Date: Oct 1 1989  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

D13  
SW  
1/8-1/4  
0.225 mi.  
1190 ft.

WALTERS-DIMMICK PETROLEUM  
122 W CHICAGO ST  
JONESVILLE, MI 49250  
Site 3 of 3 in cluster D

LUST U003081075  
UST N/A

Relative:  
Lower  
Actual:  
1067 ft.

LUST:  
Facility ID: 00002221  
Source: STATE OF MICHIGAN  
Owner Name: Walters-Dimmick Petroleum  
Owner Address: 1620 S Kalamazoo Ave  
Owner City,St,Zip: Marshall, MI 49068-9575  
Owner Contact: Not reported  
Owner Phone: (269) 781-4654  
Country: USA  
District: Jackson District Office  
Site Name: Shell Food Mart #165  
Latitude: 41.9821770000  
Longitude: -84.6666260000  
Date of Collection: 25-09-2001  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
Accuracy: 10  
Accuracy Value Unit: METERS  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)

Leak Number: C-0001-99  
Release Date: Jan 3 1999  
Substance Released: Gasoline  
Release Status: Open  
Release Closed Date: Not reported

UST:  
Facility ID: 00002221  
Facility Type: CLOSED  
Latitude: 41.9821770000  
Longitude: -84.6666260000  
Owner Name: Walters-Dimmick Petroleum  
Owner Address: 1620 S Kalamazoo Ave  
Owner City,St,Zip: Marshall, MI 49068-9575

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WALTERS-DIMMICK PETROLEUM (Continued)**

**U003081075**

Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (269) 781-4654  
Contact: Terry Dale  
Contact Phone: (269) 781-4654  
Date of Collection: 25-09-2001  
Accuracy: 10  
Accuracy Value Unit: METERS  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1  
**Tank Status: Removed from Ground**  
Capacity: 4000  
Install Date: Apr 11 1961  
Product: Gasoline  
Remove Date: Jan 5 2006  
Tank Release Detection: Automatic Tank Gauging,Inventory Control  
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing  
Piping Material: Fiberglass reinforced plastic  
Piping Type: Pressure  
Constr Material: Asphalt Coated or Bare Steel,Lined Interier  
Impressed Device: No

Tank ID: 2  
**Tank Status: Removed from Ground**  
Capacity: 4000  
Install Date: Apr 11 1961  
Product: Gasoline  
Remove Date: Jan 5 2006  
Tank Release Detection: Automatic Tank Gauging,Inventory Control  
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing  
Piping Material: Fiberglass reinforced plastic  
Piping Type: Pressure  
Constr Material: Asphalt Coated or Bare Steel,Lined Interier  
Impressed Device: No

Tank ID: 3  
**Tank Status: Removed from Ground**  
Capacity: 10000  
Install Date: Apr 12 1983  
Product: Gasoline  
Remove Date: Jan 5 2006  
Tank Release Detection: Automatic Tank Gauging,Inventory Control  
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing  
Piping Material: Fiberglass reinforced plastic  
Piping Type: Pressure  
Constr Material: Fiberglass Reinforced plastic  
Impressed Device: No

Tank ID: 4

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WALTERS-DIMMICK PETROLEUM (Continued)**

**U003081075**

**Tank Status:** Removed from Ground  
Capacity: 4000  
Install Date: Apr 11 1961  
Product: Gasoline  
Remove Date: Oct 24 2001  
Tank Release Detection: Automatic Tank Gauging,Inventory Control  
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing  
Piping Material: Fiberglass reinforced plastic  
Piping Type: Pressure  
Constr Material: Asphalt Coated or Bare Steel,Lined Interior  
Impressed Device: No

Tank ID: Phantom  
**Tank Status:** Non-Registered Tank  
Capacity: Not reported  
Install Date: Not reported  
Product: Unknown  
Remove Date: Not reported  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Not reported  
Piping Type: Not reported  
Constr Material: Not reported  
Impressed Device: No

14  
ENE  
1/8-1/4  
0.240 mi.  
1268 ft.

**DON SCOTT DRILLING CO INC**  
**402 E CHICAGO ST., PO BOX 177**  
**JONESVILLE, MI 49250**

**UST U000254306**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**1077 ft.**

UST:  
Facility ID: 00013705  
Facility Type: CLOSED  
Latitude: 41.9844890000  
Longitude: -84.6597940000  
Owner Name: Don Scott Drilling Co Inc  
Owner Address: PO Box 128  
Owner City,St,Zip: Jonesville, MI 49250-0128  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (517) 849-9237  
Contact: DON SCOTT  
Contact Phone: (517) 849-9237  
Date of Collection: 01-11-2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status:** Removed from Ground  
Capacity: 1000  
Install Date: May 8 1981

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DON SCOTT DRILLING CO INC (Continued)**

**U000254306**

Product: Gasoline  
Remove Date: Jun 11 1991  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Unknown  
Impressed Device: No

Tank ID: 2  
**Tank Status: Removed from Ground**  
Capacity: 1000  
Install Date: May 8 1981  
Product: Diesel  
Remove Date: Jun 11 1991  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Unknown  
Impressed Device: No

**E15  
SW  
1/4-1/2  
0.269 mi.  
1420 ft.**

**CHEROKE STATION (125 W.CHICAGO)  
201 W. CHICAGO DR.  
JONESVILLE VILLAGE, MI 49250  
Site 1 of 6 in cluster E**

**AUL S109845857  
N/A**

**Relative:  
Higher**

**AUL:**

Status: Filed  
Site Name: Not reported  
Property: 125 W.Chicago Dr., Jonesville  
Land Use Restriction Type: RC  
Program Type: Part 213  
Program Support Assigned User: Nicholas Swartz  
Program Support Assigned Date: 5/14/2009 08:37:46.537  
Legal Description Of Property: Migrated  
Based On The Deq Ref #: 11121304497  
MDEQ Reference Number: RC-RRD-213-04-497  
Property Or Description Restricted Area: Cherokee Station (125 W. Chicago Rd.)  
Lead Division: STD  
File Name Of Hyperlinked Legal Doc: U:\KERMIT\11121304497.pdf  
Mapped Polygon S Area In Acres: 0.4135  
Mapped Polygon S Area In Square Miles: 0.0006  
Date Data Entry Started: 5/14/2009 00:00:00  
Date Data Entry Finished: 5/14/2009 00:00:00  
Individual Or Staff Assoc With The Mapping: Nicholas Swartz  
Program Used To Map Restricted Features: ArcInfo 9.3 and IcoMap 4.2  
Map Comments: Off-site RC. See Comments tab. Property polygon is NOT mapped in KERMIT as of 10/09/2008. LUR is mapped in KERMIT as of 20090514 - Nick Swartz

**Actual:  
1073 ft.**

**Comment:**

7/14/2004, reference number provided for off-site RC. There is one on-site RC (RC-RRD-213-04-093), 5 off-site RCs (RC-RRD-213-04-494, RC-RRD-213-04-495, RC-RRD-213-04-496, RC-RRD-213-04-497, RC-RRD-213-04-498), and 1 MDOT right of way (MDOT-RRD-213-04-00

Date Legal Paperwork Stamped/Filed/Register Of Deeds: 4/18/2001 00:00:00  
Commercial I Land Use Restriction: 0

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CHEROKE STATION (125 W.CHICAGO) (Continued)**

**S109845857**

Commercial Ii Land Use Restriction: 0  
 Commercial Iii Land Use Restriction: 0  
 Commercial Iv Land Use Restriction: 0  
 Industrial Land Use Restriction: 0  
 Residential Land Use Restriction: 0  
 Recreational Land Use Restriction: 0  
 Multiple Land-Use Restrictions: 0  
 Site Specific Restrictions: 0  
 Groundwater Consumption Restrictions: 1  
 Groundwater Contact Restrictions: 0  
 Special Well Construction Requirements: 0  
 Special Building Restrictions: 0  
 Excavation And Soil Movement Restrictions: 0  
 Soil Movement Requirements: 1  
 There Is A Restriction On All Construction: 0  
 Monitoring Well Protected, No Tampering Or Removal: 0  
 There Is An Exposure Barrier In Place: 0  
 There Is A Health And Safety Plan: 0  
 There Is A Permanent Marker On The Site: 0

**E16**  
**SW**  
**1/4-1/2**  
**0.269 mi.**  
**1420 ft.**

**CHEROKE STATION (124-126 W. CHICAGO)**  
**201 W. CHICAGO DR.**  
**JONESVILLE VILLAGE, MI 49250**

**AUL S109845856**  
**N/A**

**Site 2 of 6 in cluster E**

**Relative:**  
**Higher**

**AUL:**

**Actual:**  
**1073 ft.**

Status: Filed  
 Site Name: Not reported  
 Property: 124-126 W. Chicago Dr., Jonesville  
 Land Use Restriction Type: RC  
 Program Type: Part 213  
 Program Support Assigned User: Not reported  
 Program Support Assigned Date: Not reported  
 Legal Description Of Property: Migrated  
 Based On The Deq Ref #: Not reported  
 MDEQ Reference Number: RC-RRD-213-04-494  
 Property Or Description Restricted Area: Migrated  
 Lead Division: STD  
 File Name Of Hyperlinked Legal Doc: Not reported  
 Mapped Polygon S Area In Acres: Not reported  
 Mapped Polygon S Area In Square Miles: Not reported  
 Date Data Entry Started: Not reported  
 Date Data Entry Finished: Not reported  
 Individual Or Staff Assoc With The Mapping: Not reported  
 Program Used To Map Restricted Features: Not reported  
 Map Comments: Off-site RC. Migrated from 201 W. Chicago Drive. See Comments tab.  
 Comment: 7/14/2004, reference number provided for off-site RC. There is one on-site RC (RC-RRD-213-04-093), 5 off-site RCs (RC-RRD-213-04-494, RC-RRD-213-04-495, RC-RRD-213-04-496, RC-RRD-213-04-497, RC-RRD-213-04-498), and 1 MDOT right of way (MDOT-RRD-213-04-00)  
 Date Legal Paperwork Stamped/Filed/Register Of Deeds: 4/18/2001 00:00:00  
 Commercial I Land Use Restriction: 0  
 Commercial Ii Land Use Restriction: 0  
 Commercial Iii Land Use Restriction: 0  
 Commercial Iv Land Use Restriction: 0  
 Industrial Land Use Restriction: 0  
 Residential Land Use Restriction: 0

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CHEROKE STATION (124-126 W. CHICAGO) (Continued)**

**S109845856**

Recreational Land Use Restriction: 0  
 Multiple Land-Use Restrictions: 0  
 Site Specific Restrictions: 0  
 Groundwater Consumption Restrictions: 0  
 Groundwater Contact Restrictions: 0  
 Special Well Construction Requirements: 0  
 Special Building Restrictions: 0  
 Excavation And Soil Movement Restrictions: 0  
 Soil Movement Requirements: 0  
 There Is A Restriction On All Construction: 0  
 Monitoring Well Protected, No Tampering Or Removal: 0  
 There Is An Exposure Barrier In Place: 0  
 There Is A Health And Safety Plan: 0  
 There Is A Permanent Marker On The Site: 0

**E17**  
**SW**  
 1/4-1/2  
 0.269 mi.  
 1420 ft.

**C A MURPHY OIL CO**  
**201 W CHICAGO ST**  
**JONESVILLE, MI 49250**  
**Site 3 of 6 in cluster E**

**LUST** **U003102256**  
**UST** **N/A**

**Relative:**  
**Higher**

**LUST:**

Facility ID: 00002976  
 Source: STATE OF MICHIGAN  
 Owner Name: Crist Investment Co Inc  
 Owner Address: 727 Springbrook Ave  
 Owner City,St,Zip: Adrian, MI 49221  
 Owner Contact: Not reported  
 Owner Phone: (517) 759-1314  
 Country: USA  
 District: Jackson District Office  
 Site Name: Cherokee Station  
 Latitude: 41.9811950000  
 Longitude: -84.6675650000  
 Date of Collection: 08-10-2001  
 Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
 Accuracy: 10  
 Accuracy Value Unit: METERS  
 Horizontal Data: NAD83  
 Point Line Area: POINT  
 Desc Category: Plant Entrance (Freight)

Leak Number: C-0793-95  
 Release Date: Jun 27 1995  
 Substance Released: Gasoline  
 Release Status: Closed  
 Release Closed Date: May 22 2001

**UST:**

Facility ID: 00002976  
 Facility Type: ACTIVE  
 Latitude: 41.9811950000  
 Longitude: -84.6675650000  
 Owner Name: C A Murphy Oil Co  
 Owner Address: 1100 N Clay  
 Owner City,St,Zip: Sturgis, MI 49091-0676  
 Owner Country: USA  
 Owner Contact: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C A MURPHY OIL CO (Continued)**

**U003102256**

Owner Phone: (269) 651-3744  
Contact: KELLY B MURPHY  
Contact Phone: (616) 651-3744  
Date of Collection: 08-10-2001  
Accuracy: 10  
Accuracy Value Unit: METERS  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1  
**Tank Status: Currently In Use**  
Capacity: 10000  
Install Date: May 7 1976  
Product: Gasoline  
Remove Date: Not reported  
Tank Release Detection: Automatic Tank Gauging,Inventory Control,Manual Tank Gauging  
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing  
Piping Material: Double Walled,Secondary Containment  
Piping Type: Pressure  
Constr Material: Lined Interior  
Impressed Device: No

Tank ID: 2  
**Tank Status: Currently In Use**  
Capacity: 10000  
Install Date: May 7 1976  
Product: Gasoline  
Remove Date: Not reported  
Tank Release Detection: Automatic Tank Gauging,Inventory Control,Manual Tank Gauging  
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing  
Piping Material: Double Walled,Secondary Containment  
Piping Type: Pressure  
Constr Material: Lined Interior  
Impressed Device: No

Tank ID: 3  
**Tank Status: Currently In Use**  
Capacity: 6000  
Install Date: May 7 1976  
Product: Gasoline  
Remove Date: Not reported  
Tank Release Detection: Automatic Tank Gauging,Inventory Control,Manual Tank Gauging  
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing  
Piping Material: Double Walled,Secondary Containment  
Piping Type: Pressure  
Constr Material: Lined Interior  
Impressed Device: No

Tank ID: 4  
**Tank Status: Currently In Use**  
Capacity: 3000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C A MURPHY OIL CO (Continued)**

**U003102256**

Install Date: May 7 1985  
Product: Kerosene  
Remove Date: Not reported  
Tank Release Detection: Automatic Tank Gauging,Inventory Control,Manual Tank Gauging  
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing  
Piping Material: Fiberglass reinforced plastic  
Piping Type: Suction: No Valve At Tank  
Constr Material: Cathodically Protected Steel  
Impressed Device: No

Tank ID: 5  
**Tank Status: Currently In Use**  
Capacity: 3000  
Install Date: May 7 1985  
Product: Diesel  
Remove Date: Not reported  
Tank Release Detection: Automatic Tank Gauging,Inventory Control,Manual Tank Gauging  
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing  
Piping Material: Fiberglass reinforced plastic  
Piping Type: Suction: No Valve At Tank  
Constr Material: Cathodically Protected Steel  
Impressed Device: No

Tank ID: 6  
**Tank Status: Removed from Ground**  
Capacity: 1000  
Install Date: Not reported  
Product: Used Oil  
Remove Date: Sep 10 1993  
Tank Release Detection: Automatic Tank Gauging,Inventory Control,Manual Tank Gauging  
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: Phantom  
**Tank Status: Non-Registered Tank**  
Capacity: Not reported  
Install Date: Not reported  
Product: Unknown  
Remove Date: Not reported  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Not reported  
Piping Type: Not reported  
Constr Material: Not reported  
Impressed Device: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**E18**      **CHEROKE STATION (PARCEL 30-06-004-100-017)**  
**SW**        **201 W. CHICAGO DR.**  
**1/4-1/2**    **JONESVILLE VILLAGE, MI 49250**  
**0.269 mi.**  
**1420 ft.**    **Site 4 of 6 in cluster E**

**AUL**    **S109845859**  
**N/A**

**Relative:**  
**Higher**

AUL:

Status:	Filed
Site Name:	Not reported
Property:	Parcel 30-06-004-100-017, Jonesville
Land Use Restriction Type:	RC
Program Type:	Part 213
Program Support Assigned User:	Not reported
Program Support Assigned Date:	Not reported
Legal Description Of Property:	Migrated
Based On The Deq Ref #:	11121304495
MDEQ Reference Number:	RC-RRD-213-04-495
Property Or Description Restricted Area:	Migrated
Lead Division:	STD
File Name Of Hyperlinked Legal Doc:	U:\KERMIT\11121304495.pdf
Mapped Polygon S Area In Acres:	Not reported
Mapped Polygon S Area In Square Miles:	Not reported
Date Data Entry Started:	Not reported
Date Data Entry Finished:	Not reported
Individual Or Staff Assoc With The Mapping:	Not reported
Program Used To Map Restricted Features:	Not reported
Map Comments:	Off-site RC. See Comments tab. Property polygon is NOT mapped in KERMIT as of 10/09/2008.

Comment:

7/14/2004, reference number provided for off-site RC. There is one on-site RC (RC-RRD-213-04-093), 5 off-site RCs (RC-RRD-213-04-494, RC-RRD-213-04-495, RC-RRD-213-04-496, RC-RRD-213-04-497, RC-RRD-213-04-498), and 1 MDOT right of way (MDOT-RRD-213-04-00

Date Legal Paperwork Stamped/Filed/Register Of Deeds: 4/18/2001 00:00:00

Commercial I Land Use Restriction:	0
Commercial Ii Land Use Restriction:	0
Commercial Iii Land Use Restriction:	0
Commercial Iv Land Use Restriction:	0
Industrial Land Use Restriction:	0
Residential Land Use Restriction:	0
Recreational Land Use Restriction:	0
Multiple Land-Use Restrictions:	0
Site Specific Restrictions:	0
Groundwater Consumption Restrictions:	1
Groundwater Contact Restrictions:	0
Special Well Construction Requirements:	0
Special Building Restrictions:	0
Excavation And Soil Movement Restrictions:	0
Soil Movement Requirements:	1
There Is A Restriction On All Construction:	0
Monitoring Well Protected, No Tampering Or Removal:	0
There Is An Exposure Barrier In Place:	0
There Is A Health And Safety Plan:	0
There Is A Permanent Marker On The Site:	0

Status:	Filed
Site Name:	Not reported
Property:	Part of Parcel 30-06-004-100-015
Land Use Restriction Type:	RC
Program Type:	Part 213

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CHEROKE STATION (PARCEL 30-06-004-100-017) (Continued)**

**S109845859**

Program Support Assigned User:	Not reported
Program Support Assigned Date:	Not reported
Legal Description Of Property:	Migrated
Based On The Deq Ref #:	Not reported
MDEQ Reference Number:	RC-RRD-213-04-498
Property Or Description Restricted Area:	Migrated
Lead Division:	STD
File Name Of Hyperlinked Legal Doc:	Not reported
Mapped Polygon S Area In Acres:	Not reported
Mapped Polygon S Area In Square Miles:	Not reported
Date Data Entry Started:	Not reported
Date Data Entry Finished:	Not reported
Individual Or Staff Assoc With The Mapping:	Not reported
Program Used To Map Restricted Features:	Not reported
Map Comments:	Off-site RC. See Comments tab.
Comment:	7/14/2004, reference number provided for off-site RC. There is one on-site RC (RC-RRD-213-04-093), 5 off-site RCs (RC-RRD-213-04-494, RC-RRD-213-04-495, RC-RRD-213-04-496, RC-RRD-213-04-497, RC-RRD-213-04-498), and 1 MDOT right of way (MDOT-RRD-213-04-00)
Date Legal Paperwork Stamped/Filed/Register Of Deeds:	4/18/2001 00:00:00
Commercial I Land Use Restriction:	0
Commercial Ii Land Use Restriction:	0
Commercial Iii Land Use Restriction:	0
Commercial Iv Land Use Restriction:	0
Industrial Land Use Restriction:	0
Residential Land Use Restriction:	0
Recreational Land Use Restriction:	0
Multiple Land-Use Restrictions:	0
Site Specific Restrictions:	0
Groundwater Consumption Restrictions:	0
Groundwater Contact Restrictions:	0
Special Well Construction Requirements:	0
Special Building Restrictions:	0
Excavation And Soil Movement Restrictions:	0
Soil Movement Requirements:	0
There Is A Restriction On All Construction:	0
Monitoring Well Protected, No Tampering Or Removal:	0
There Is An Exposure Barrier In Place:	0
There Is A Health And Safety Plan:	0
There Is A Permanent Marker On The Site:	0

**E19**  
**SW**  
 1/4-1/2  
 0.269 mi.  
 1420 ft.

**CHEROKE STATION (201 W. CHICAGO)**  
**201 W. CHICAGO DR.**  
**JONESVILLE VILLAGE, MI 49250**  
 Site 5 of 6 in cluster E

**AUL S109278312**  
**N/A**

**Relative:**  
**Higher**

AUL:

Status:	Filed
Site Name:	Not reported
Property:	201 W. Chicago Dr., Jonesville
Land Use Restriction Type:	RC
Program Type:	Part 213
Program Support Assigned User:	Nicholas Swartz
Program Support Assigned Date:	5/13/2009 15:50:09.983
Legal Description Of Property:	Migrated
Based On The Deq Ref #:	11121304493
MDEQ Reference Number:	RC-RRD-213-04-493

**Actual:**  
**1073 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CHEROKE STATION (201 W. CHICAGO) (Continued)**

**S109278312**

Property Or Description Restricted Area: Cherokee Station  
 Lead Division: STD  
 File Name Of Hyperlinked Legal Doc: U:\kermit\11121304493.pdf  
 Mapped Polygon S Area In Acres: 0.4925  
 Mapped Polygon S Area In Square Miles: 0.0008  
 Date Data Entry Started: 5/13/2009 00:00:00  
 Date Data Entry Finished: 5/13/2009 00:00:00  
 Individual Or Staff Assoc With The Mapping: Nicholas Swartz  
 Program Used To Map Restricted Features: ArcInfo 9.3 and IcoMap 4.2  
 Map Comments: Land restriction has not been mapped in kermit as of January 7, 2008.  
 On-site RC. See Comments tab. LUR is mapped in KERMIT as of 20090513 -  
 Nick Swartz  
 Comment: 7/14/2004, reference number provided for off-site RC. There is one  
 on-site RC (RC-RRD-213-04-093), 5 off-site RCs (RC-RRD-213-04-494,  
 RC-RRD-213-04-495, RC-RRD-213-04-496, RC-RRD-213-04-497,  
 RC-RRD-213-04-498), and 1 MDOT right of way (MDOT-RRD-213-04-00  
 Date Legal Paperwork Stamped/Filed/Register Of Deeds: 4/18/2001 00:00:00  
 Commercial I Land Use Restriction: 0  
 Commercial Ii Land Use Restriction: 0  
 Commercial Iii Land Use Restriction: 0  
 Commercial Iv Land Use Restriction: 0  
 Industrial Land Use Restriction: 0  
 Residential Land Use Restriction: 0  
 Recreational Land Use Restriction: 0  
 Multiple Land-Use Restrictions: 0  
 Site Specific Restrictions: 0  
 Groundwater Consumption Restrictions: 0  
 Groundwater Contact Restrictions: 0  
 Special Well Construction Requirements: 0  
 Special Building Restrictions: 0  
 Excavation And Soil Movement Restrictions: 0  
 Soil Movement Requirements: 1  
 There Is A Restriction On All Construction: 0  
 Monitoring Well Protected, No Tampering Or Removal: 0  
 There Is An Exposure Barrier In Place: 0  
 There Is A Health And Safety Plan: 0  
 There Is A Permanent Marker On The Site: 0

**E20**  
**SW**  
 1/4-1/2  
 0.269 mi.  
 1420 ft.

**CHEROKE STATION (202 W. CHICAGO)**  
**201 W. CHICAGO DR.**  
**JONESVILLE VILLAGE, MI 49250**

**AUL S109845858**  
**N/A**

**Site 6 of 6 in cluster E**

**Relative:**  
**Higher**

**AUL:**

**Actual:**  
**1073 ft.**

Status: Filed  
 Site Name: Not reported  
 Property: 202 W. Chicago Dr., Jonesville  
 Land Use Restriction Type: RC  
 Program Type: Part 213  
 Program Support Assigned User: Not reported  
 Program Support Assigned Date: Not reported  
 Legal Description Of Property: Migrated  
 Based On The Deq Ref #: Not reported  
 MDEQ Reference Number: RC-RRD-213-04-496  
 Property Or Description Restricted Area: Migrated  
 Lead Division: STD  
 File Name Of Hyperlinked Legal Doc: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CHEROKE STATION (202 W. CHICAGO) (Continued)**

**S109845858**

Mapped Polygon S Area In Acres: Not reported  
 Mapped Polygon S Area In Square Miles: Not reported  
 Date Data Entry Started: Not reported  
 Date Data Entry Finished: Not reported  
 Individual Or Staff Assoc With The Mapping: Not reported  
 Program Used To Map Restricted Features: Not reported  
 Map Comments: Off-site RC. See Comments tab.  
 Comment: 7/14/2004, reference number provided for off-site RC. There is one on-site RC (RC-RRD-213-04-093), 5 off-site RCs (RC-RRD-213-04-494, RC-RRD-213-04-495, RC-RRD-213-04-496, RC-RRD-213-04-497, RC-RRD-213-04-498), and 1 MDOT right of way (MDOT-RRD-213-04-00)

Date Legal Paperwork Stamped/Filed/Register Of Deeds: 4/18/2001 00:00:00

Commercial I Land Use Restriction: 0  
 Commercial Ii Land Use Restriction: 0  
 Commercial Iii Land Use Restriction: 0  
 Commercial Iv Land Use Restriction: 0  
 Industrial Land Use Restriction: 0  
 Residential Land Use Restriction: 0  
 Recreational Land Use Restriction: 0  
 Multiple Land-Use Restrictions: 0  
 Site Specific Restrictions: 0  
 Groundwater Consumption Restrictions: 0  
 Groundwater Contact Restrictions: 0  
 Special Well Construction Requirements: 0  
 Special Building Restrictions: 0  
 Excavation And Soil Movement Restrictions: 0  
 Soil Movement Requirements: 0  
 There Is A Restriction On All Construction: 0  
 Monitoring Well Protected, No Tampering Or Removal: 0  
 There Is An Exposure Barrier In Place: 0  
 There Is A Health And Safety Plan: 0  
 There Is A Permanent Marker On The Site: 0

**F21**  
**ENE**  
 1/4-1/2  
 0.461 mi.  
 2436 ft.

**WATKINS OIL-JONESVILLE**  
**475 EAST CHICAGO RD.**  
**JONESVILLE, MI**

**SHWS S108632531**  
**N/A**

**Site 1 of 3 in cluster F**

**Relative:**  
**Higher**

SHWS:  
 Facility ID: 30000037  
**Facility Status: Inactive - no actions taken to address contamination**  
 Source: Not reported  
 SAM Score: 41  
 SAM Score Date: 8/10/2006  
 Township: 06S  
 Range: 03W  
 Section: 4  
 Quarter: Not reported  
 Quarter/Quarter: Not reported  
 Pollutants: Not reported

**Actual:**  
**1091 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**F22**  
**ENE**  
**1/4-1/2**  
**0.461 mi.**  
**2436 ft.**

**D & B OIL CO**  
**475 E CHICAGO ST**  
**JONESVILLE, MI 49250**

**Site 2 of 3 in cluster F**

**LUST** **U003102367**  
**UST** **N/A**

**Relative:**  
**Higher**

LUST:

Facility ID: 00003551  
Source: STATE OF MICHIGAN  
Owner Name: D & B Oil Co  
Owner Address: Po Box 195  
Owner City,St,Zip: Hillsdale, MI 49242-0195  
Owner Contact: Not reported  
Owner Phone: (517) 437-3140  
Country: USA  
District: Jackson District Office  
Site Name: Watkins Oil-jonesville  
Latitude: 41.9860100000  
Longitude: -84.6574200000  
Date of Collection: 01-10-2001  
Method of Collection: Interpolation-Map  
Accuracy: 10  
Accuracy Value Unit: METERS  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)

**Actual:**  
**1091 ft.**

Leak Number: C-0379-85  
Release Date: Jan 1 1900  
Substance Released: Not reported  
Release Status: Open  
Release Closed Date: Not reported

Leak Number: C-0600-90  
Release Date: Apr 6 1990  
Substance Released: Not reported  
Release Status: Open  
Release Closed Date: Not reported

UST:

Facility ID: 00003551  
Facility Type: ACTIVE  
Latitude: 41.9860100000  
Longitude: -84.6574200000  
Owner Name: D & B Oil Co  
Owner Address: Po Box 195  
Owner City,St,Zip: Hillsdale, MI 49242-0195  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (517) 437-3140  
Contact: Donald Waidely  
Contact Phone: (517) 437-3140  
Date of Collection: 01-10-2001  
Accuracy: 10  
Accuracy Value Unit: METERS  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Interpolation-Map

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

D & B OIL CO (Continued)

U003102367

Tank ID: 1  
**Tank Status:** **Removed from Ground**  
Capacity: 4000  
Install Date: May 2 1976  
Product: Gasoline  
Remove Date: Jun 28 1990  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 2  
**Tank Status:** **Removed from Ground**  
Capacity: 4000  
Install Date: May 2 1976  
Product: Gasoline  
Remove Date: Jun 28 1990  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 3  
**Tank Status:** **Removed from Ground**  
Capacity: 4000  
Install Date: May 2 1976  
Product: Gasoline  
Remove Date: Jun 28 1990  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 4  
**Tank Status:** **Removed from Ground**  
Capacity: 4000  
Install Date: May 2 1976  
Product: Gasoline  
Remove Date: Jun 28 1990  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 5



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**D & B OIL CO (Continued)**

**U003102367**

**Tank Status:** Removed from Ground  
Capacity: 4000  
Install Date: May 2 1976  
Product: Gasoline  
Remove Date: Jun 28 1990  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 6  
**Tank Status:** Removed from Ground  
Capacity: 4000  
Install Date: May 2 1976  
Product: Gasoline  
Remove Date: Jun 28 1990  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 7  
**Tank Status:** Removed from Ground  
Capacity: 4000  
Install Date: May 2 1976  
Product: Gasoline  
Remove Date: Jun 28 1990  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 8  
**Tank Status:** Removed from Ground  
Capacity: 4000  
Install Date: May 2 1976  
Product: Kerosene  
Remove Date: Jun 28 1990  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Constr Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 9  
**Tank Status:** Currently In Use

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**D & B OIL CO (Continued)**

**U003102367**

Capacity: 12000  
 Install Date: May 1 1990  
 Product: Gasoline  
 Remove Date: Not reported  
 Tank Release Detection: Inter Monitoring Double Walled Tank,Manual Tank Gauging,Tank Tightness Testing  
 Pipe Realease Detection: Interstitial Monitoring Double Walled Piping  
 Piping Material: Fiberglass reinforced plastic  
 Piping Type: Pressure  
 Constr Material: Composite(Steel w/Fiberglass)  
 Impressed Device: No

Tank ID: 10  
**Tank Status: Currently In Use**  
 Capacity: 8000  
 Install Date: May 1 1990  
 Product: Gasoline  
 Remove Date: Not reported  
 Tank Release Detection: Inter Monitoring Double Walled Tank,Manual Tank Gauging,Tank Tightness Testing  
 Pipe Realease Detection: Interstitial Monitoring Double Walled Piping  
 Piping Material: Fiberglass reinforced plastic  
 Piping Type: Pressure  
 Constr Material: Composite(Steel w/Fiberglass)  
 Impressed Device: No

Tank ID: 11  
**Tank Status: Currently In Use**  
 Capacity: 2000  
 Install Date: May 1 1990  
 Product: Diesel  
 Remove Date: Not reported  
 Tank Release Detection: Inter Monitoring Double Walled Tank,Manual Tank Gauging,Tank Tightness Testing  
 Pipe Realease Detection: Interstitial Monitoring Double Walled Piping  
 Piping Material: Fiberglass reinforced plastic  
 Piping Type: Pressure  
 Constr Material: Composite(Steel w/Fiberglass)  
 Impressed Device: No

**F23**  
**ENE**  
 1/4-1/2  
 0.464 mi.  
 2448 ft.

**JONESVILLE STATE POLICE POST**  
**476 EAST CHICAGO ROAD**  
**JONESVILLE, MI**

**BROWNFIELDS S110532107**  
**N/A**

**Site 3 of 3 in cluster F**

**Relative:**  
**Higher**

BROWNFIELD:  
 Facility ID: 00009495  
 Region: 1  
 Status: Complete  
 Properry Use: Not reported  
 Use at Time of Listing: Not reported  
 Proposed Redevelopment: Not reported  
 BEA: No  
 Ernie Id Number: Not reported  
 Redevelop Status: Not reported

**Actual:**  
**1091 ft.**

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**24**  
**ENE**  
**1/4-1/2**  
**0.495 mi.**  
**2614 ft.**

**WATKINS OIL**  
**475 EAST CHICAGO**  
**JONESVILLE, MI**

**BROWNFIELDS**    **S108417044**  
**N/A**

**Relative:**  
**Higher**

**BROWNFIELD:**  
Facility ID:            Not reported  
Region:                1  
Status:                 Closed  
Property Use:         Not reported  
Use at Time of Listing: Not reported  
Proposed Redevelopment: Not reported  
BEA:                    No  
Ernie Id Number:     30000037  
Redevelop Status:    Not reported

**Actual:**  
**1093 ft.**

**G25**  
**South**  
**1/2-1**  
**0.735 mi.**  
**3880 ft.**

**STILLWELL FORD MERCURY**  
**378 BECK RD**  
**JONESVILLE, MI 49250**

**CERC-NFRAP**    **1003871058**  
**SHWS**         **MID017129016**

**Site 1 of 2 in cluster G**

**Relative:**  
**Higher**

**CERC-NFRAP:**  
Site ID:                0502421  
Federal Facility:      Not a Federal Facility  
NPL Status:            Not on the NPL  
Non NPL Status:      NFRAP

**Actual:**  
**1077 ft.**

CERCLIS-NFRAP Site Contact Name(s):  
Contact Title:         RESPONSIBLE PARTY INVESTIGATOR  
Contact Name:         JANET PFUNDHELLER  
Contact Tel:            (312) 353-5821

Program Priority:  
Description:            Great Lakes

CERCLIS-NFRAP Assessment History:  
Action:                 DISCOVERY  
Date Started:           Not reported  
Date Completed:        12/31/1985  
Priority Level:          Not reported

Action:                 PRELIMINARY ASSESSMENT  
Date Started:           Not reported  
Date Completed:        12/22/1986  
Priority Level:          Low priority for further assessment

Action:                 ARCHIVE SITE  
Date Started:           Not reported  
Date Completed:        10/26/1990  
Priority Level:          Not reported

Action:                 SITE INSPECTION  
Date Started:           Not reported  
Date Completed:        10/26/1990  
Priority Level:          NFRAP: No further Remedial Action planned

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STILLWELL FORD MERCURY (Continued)**

**1003871058**

SHWS:

Facility ID: 30000024  
**Facility Status: Inactive - no actions taken to address contamination**  
Source: Auto Dealer & Service Stations  
SAM Score: 24  
SAM Score Date: 5/5/2004  
Township: 06S  
Range: 03W  
Section: 16  
Quarter: NW  
Quarter/Quarter: SE  
Pollutants: Paint thinners; Paint/oils

**G26**  
South  
1/2-1  
0.739 mi.  
3901 ft.

**RES WELL BECK RD**  
**391 BECK RD**  
**JONESVILLE, MI 49250**  
**Site 2 of 2 in cluster G**

**DEL SHWS S105965594**  
**N/A**

**Relative:**  
**Higher**

DELETED HWS:  
Facility ID: 30000020  
Status: Deleted - available documentation does not support listing

**Actual:**  
**1077 ft.**

**27**  
South  
1/2-1  
0.766 mi.  
4046 ft.

**TRIPLE A TUBE CO**  
**470 BECK ROAD**  
**JONESVILLE, MI 49250**

**DEL SHWS S105965595**  
**N/A**

**Relative:**  
**Higher**

DELETED HWS:  
Facility ID: 30000025  
Status: Deleted - available documentation does not support listing

**Actual:**  
**1077 ft.**

**H28**  
SSW  
1/2-1  
0.905 mi.  
4778 ft.

**SKD LP**  
**260 GAIGE ST**  
**JONESVILLE, MI 49250**  
**Site 1 of 2 in cluster H**

**CERC-NFRAP 1000263146**  
**CORRACTS MID005056304**  
**RCRA-SQG**  
**FINDS**  
**RAATS**

**Relative:**  
**Higher**

CERC-NFRAP:  
Site ID: 0502235  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP

**Actual:**  
**1080 ft.**

CERCLIS-NFRAP Site Contact Name(s):  
Contact Title: RESPONSIBLE PARTY INVESTIGATOR  
Contact Name: JANET PFUNDHELLER  
Contact Tel: (312) 353-5821

CERCLIS-NFRAP Site Alias Name(s):  
Alias Name: ADDISON PROD CO  
Alias Address: 260 GAIGE ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SKD LP (Continued)**

**1000263146**

JONESVILLE, MI 49250

Program Priority:

Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY

Date Started: Not reported

Date Completed: 12/01/1979

Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: Not reported

Date Completed: 10/04/1985

Priority Level: Higher priority for further assessment

Action: SITE INSPECTION

Date Started: Not reported

Date Completed: 12/29/1988

Priority Level: NFRAP: No further Remedial Action planned

Action: ARCHIVE SITE

Date Started: Not reported

Date Completed: 09/24/1993

Priority Level: Not reported

Action: SH

Date Started: Not reported

Date Completed: 09/24/1993

Priority Level: Not reported

CORRACTS:

EPA ID: MID005056304

EPA Region: 5

Area Name: ENTIRE FACILITY

Actual Date: 4/27/1989

Action: CA050 - RFA Completed

NAICS Code(s): 332116 33637

Metal Stamping

Motor Vehicle Metal Stamping

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: MID005056304

EPA Region: 5

Area Name: ENTIRE FACILITY

Actual Date: 6/26/1992

Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority

NAICS Code(s): 332116 33637

Metal Stamping

Motor Vehicle Metal Stamping

Original schedule date: Not reported

Schedule end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SKD LP (Continued)**

**1000263146**

RCRA-SQG:

Date form received by agency: 05/06/2005  
Facility name: SKD LP  
Facility address: 260 GAIGE ST  
JONESVILLE, MI 49250  
EPA ID: MID005056304  
Contact: ROSS PECHTA  
Contact address: 260 GAIGE ST  
JONESVILLE, MI 49250  
Contact country: Not reported  
Contact telephone: (517) 849-2195  
Contact email: Not reported  
EPA Region: 05  
Land type: Private  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: QUINCY L P  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 07/02/1995  
Owner/Op end date: Not reported  
Owner/operator name: SKD L P JONESVILLE DIVISION  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1998  
Owner/Op end date: Not reported  
Owner/operator name: QUINCY L P  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 07/02/1995  
Owner/Op end date: Not reported  
Owner/operator name: SKD L P JONESVILLE DIVISION  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SKD LP (Continued)**

**1000263146**

Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/1998  
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  
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

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

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

Waste type: Pesticides  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: Thermostats  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS  
Accumulated waste on-site: No  
Generated waste on-site: No

Waste type: MERCURY SWITCHES  
Accumulated waste on-site: No  
Generated waste on-site: No

Historical Generators:

Date form received by agency: 04/30/2004  
Facility name: SKD LP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SKD LP (Continued)**

**1000263146**

Classification: Small Quantity Generator

Date form received by agency: 07/10/1995

Facility name: SKD LP

Classification: Small Quantity Generator

Date form received by agency: 02/21/1992

Facility name: SKD LP

Site name: ADDISON PRODUCTS CO

Classification: Large Quantity Generator

Date form received by agency: 02/23/1990

Facility name: SKD LP

Site name: ADDISON PRODUCTS CO

Classification: Large Quantity Generator

**Corrective Action Summary:**

Event date: 04/27/1989

Event: RFA Completed

Event date: 06/26/1992

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

**Facility Has Received Notices of Violations:**

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 07/28/2000

Date achieved compliance: 03/09/2001

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 07/28/2000

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: Generators - General

Date violation determined: 05/28/1987

Date achieved compliance: 06/28/1987

Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/29/1985

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

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 05/28/1987



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SKD LP (Continued)**

**1000263146**

Date achieved compliance: 06/28/1987  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 05/28/1987  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: 24000  
Paid penalty amount: 24000

Regulation violated: Not reported  
Area of violation: Generators - General  
Date violation determined: 05/28/1987  
Date achieved compliance: 06/28/1987  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 09/17/1985  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: 51985  
Final penalty amount: 51985  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: Generators - General  
Date violation determined: 05/21/1985  
Date achieved compliance: 09/28/1988  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 05/28/1987  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: 24000  
Paid penalty amount: 24000

Evaluation Action Summary:  
Evaluation date: 07/27/2000  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 03/09/2001  
Evaluation lead agency: State

Evaluation date: 05/28/1987  
Evaluation: COMPLIANCE SCHEDULE EVALUATION  
Area of violation: Generators - General  
Date achieved compliance: 06/28/1987  
Evaluation lead agency: EPA

Evaluation date: 05/21/1985  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 09/28/1988  
Evaluation lead agency: EPA

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SKD LP (Continued)**

**1000263146**

Evaluation date: 05/21/1985  
 Evaluation: NON-FINANCIAL RECORD REVIEW  
 Area of violation: Not reported  
 Date achieved compliance: Not reported  
 Evaluation lead agency: EPA

Evaluation date: 05/21/1985  
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
 Area of violation: Generators - General  
 Date achieved compliance: 06/28/1987  
 Evaluation lead agency: EPA

**FINDS:**

Registry ID: 110003578414

**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.

**H29**  
**SSW**  
**1/2-1**  
**0.905 mi.**  
**4778 ft.**

**ADDISON PRODUCTS**  
**260 GIAGE ST.**  
**JONESVILLE, MI 49250**  
**Site 2 of 2 in cluster H**

**FINDS** 1006057747  
**DEL SHWS** N/A

**Relative:**  
**Higher**

**FINDS:**

Registry ID: 110001825794

**Environmental Interest/Information System**

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.

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.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ADDISON PRODUCTS (Continued)**

**1006057747**

DELETED HWS:

Facility ID: 30000001

Status: Delisted - no longer meets criteria specified in rules

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
JONESVILLE	A100185289	MARATHON OIL CO	ADDISON RD EAST OF MILNES RD	49250	AST
JONESVILLE	S108417045	JONESVILLE VLG OLD DUMP	BECK ROAD		BROWNFIELDS
JONESVILLE	1012272229	JONESVILLE STP	150 ECOLOGY DRIVE	49250	FINDS
JONESVILLE	1004533999	VILLAGE OF JONESVILLE	150 ECOLOGY DRIVE	49250	FINDS, NPDES
JONESVILLE	1004722347	VILLAGE OF JONESVILLE DEPARTMENT O	111 ECOLOGY DR	49250	RCRA-CESQG, FINDS
JONESVILLE	S100069498	VILLAGE OF JONESVILLE DISPOSAL	M-99	49250	HIST LF
JONESVILLE	U002301336	JONESVILLE CITGO INC	420 SOUTH M-99	49250	LUST, UST
JONESVILLE	1006830182	VILLAGE OF JONESVILLE DISPOSAL	M-99	49250	FINDS
JONESVILLE	A100185175	MARATHON OIL CO	W OFF VAN WERT NO OF NORTH DR	49250	AST
JONESVILLE	A100269065	C.A. PERRY & SON	SOUTH OFF MOSHER VILLE RD EAST	49250	AST
JONESVILLE	A100269066	C.A. PERRY & SON	WEST OFF ROWE RD SOUTH OF MOSH	49250	AST
JONESVILLE	A100269068	C.A. PERRY & SON	N OFF LITCHFIELD EAST OF CONCO	49250	AST
JONESVILLE	A100269070	C.A. PERRY & SON	SOUTH OFF LITCFIELD AT ROWE	49250	AST
JONESVILLE	A100185264	MARATHON OIL CO	WEST OFF POPE 1/4 MILE SOUTH O	49250	AST
JONESVILLE	A100269076	C.A. PERRY & SON	WEST OFF ROWE RD SOUTH OF MOSH	49250	AST
JONESVILLE	A100269077	MARATHON OIL CO	WEST OFF ROWE 1/4 MILE N OF LI	49250	AST
JONESVILLE	A100185272	MARATHON OIL CO	S OFF HASTINGS LK WEST OF POPE	49250	AST
JONESVILLE	A100269067	C.A. PERRY & SON	NORTH OFF LITCHFIELD WEST OF R	49250	AST
MOSHERVILLE	S103086245	SCIPIO GAS PLANT	1MI E CONCORD 5MI N JONESVILLE	49250	SHWS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### **NPL: National Priority List**

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

Date of Government Version: 07/02/2010	Source: EPA
Date Data Arrived at EDR: 07/14/2010	Telephone: N/A
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 10/13/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/24/2011
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

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

Date of Government Version: 07/02/2010	Source: EPA
Date Data Arrived at EDR: 07/14/2010	Telephone: N/A
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 10/13/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/24/2011
	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.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 11/22/2010
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

### DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 07/02/2010	Source: EPA
Date Data Arrived at EDR: 07/14/2010	Telephone: N/A
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 10/13/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/24/2011
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

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

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: 01/29/2010	Source: EPA
Date Data Arrived at EDR: 02/09/2010	Telephone: 703-412-9810
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 10/01/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/10/2011
	Data Release Frequency: Quarterly

### 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's Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 10/13/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/24/2011
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

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

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/01/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 12/13/2010
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/25/2010  
Date Data Arrived at EDR: 06/02/2010  
Date Made Active in Reports: 10/04/2010  
Number of Days to Update: 124

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 11/22/2010  
Next Scheduled EDR Contact: 02/28/2011  
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: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 10/07/2010  
Next Scheduled EDR Contact: 01/17/2011  
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: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 10/07/2010  
Next Scheduled EDR Contact: 01/17/2011  
Data Release Frequency: Quarterly

### **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: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 10/07/2010  
Next Scheduled EDR Contact: 01/17/2011  
Data Release Frequency: Quarterly

### **RCRA-CESQG: RCRA - 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). 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.

Date of Government Version: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 10/07/2010  
Next Scheduled EDR Contact: 01/17/2011  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### 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: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 09/13/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 09/13/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Varies

## ***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: 07/09/2010	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 07/09/2010	Telephone: 202-267-2180
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 10/06/2010
Number of Days to Update: 39	Next Scheduled EDR Contact: 01/17/2011
	Data Release Frequency: Annually

## ***State- and tribal - equivalent CERCLIS***

### SHWS: Contaminated Sites

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: 08/02/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 08/03/2010	Telephone: 517-373-9541
Date Made Active in Reports: 08/06/2010	Last EDR Contact: 11/02/2010
Number of Days to Update: 3	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Semi-Annually

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

### SWF/LF: Solid Waste Facilities Database

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.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/04/2010  
Date Data Arrived at EDR: 10/05/2010  
Date Made Active in Reports: 10/28/2010  
Number of Days to Update: 23

Source: Department of Natural Resources & Environment  
Telephone: 517-335-4035  
Last EDR Contact: 10/04/2010  
Next Scheduled EDR Contact: 01/17/2011  
Data Release Frequency: Semi-Annually

## **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: 08/23/2010  
Date Data Arrived at EDR: 08/24/2010  
Date Made Active in Reports: 09/22/2010  
Number of Days to Update: 29

Source: Department of Natural Resources & Environment  
Telephone: 517-373-9837  
Last EDR Contact: 11/23/2010  
Next Scheduled EDR Contact: 03/07/2011  
Data Release Frequency: Annually

### 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: 08/30/2010  
Date Data Arrived at EDR: 08/30/2010  
Date Made Active in Reports: 10/04/2010  
Number of Days to Update: 35

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 11/01/2010  
Next Scheduled EDR Contact: 02/14/2011  
Data Release Frequency: Quarterly

### INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/27/2010  
Date Data Arrived at EDR: 08/30/2010  
Date Made Active in Reports: 10/04/2010  
Number of Days to Update: 35

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 11/01/2010  
Next Scheduled EDR Contact: 02/14/2011  
Data Release Frequency: Semi-Annually

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/05/2010  
Date Data Arrived at EDR: 08/06/2010  
Date Made Active in Reports: 10/04/2010  
Number of Days to Update: 59

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 11/01/2010  
Next Scheduled EDR Contact: 02/14/2011  
Data Release Frequency: Quarterly

### 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: 02/19/2009  
Date Data Arrived at EDR: 02/19/2009  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 25

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 11/02/2010  
Next Scheduled EDR Contact: 02/14/2011  
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: 08/05/2010  
Date Data Arrived at EDR: 08/06/2010  
Date Made Active in Reports: 10/04/2010  
Number of Days to Update: 59

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 11/01/2010  
Next Scheduled EDR Contact: 02/14/2011  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009	Source: EPA Region 7
Date Data Arrived at EDR: 05/04/2010	Telephone: 913-551-7003
Date Made Active in Reports: 07/07/2010	Last EDR Contact: 11/09/2010
Number of Days to Update: 64	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/24/2010	Source: EPA Region 8
Date Data Arrived at EDR: 05/27/2010	Telephone: 303-312-6271
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 11/01/2010
Number of Days to Update: 74	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Quarterly

## **State and tribal registered storage tank lists**

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: 05/21/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 05/25/2010	Telephone: 517-335-4035
Date Made Active in Reports: 06/15/2010	Last EDR Contact: 11/23/2010
Number of Days to Update: 21	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Annually

AST: Aboveground Tanks  
Registered Aboveground Storage Tanks.

Date of Government Version: 09/15/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 09/21/2010	Telephone: 517-373-8168
Date Made Active in Reports: 10/26/2010	Last EDR Contact: 11/22/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: No Update Planned

INDIAN UST R8: Underground Storage Tanks on Indian Land  
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/24/2010	Source: EPA Region 8
Date Data Arrived at EDR: 05/27/2010	Telephone: 303-312-6137
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 11/01/2010
Number of Days to Update: 74	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Quarterly

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: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/30/2008	Telephone: 913-551-7003
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 11/09/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 02/14/2011
	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: 02/19/2009	Source: EPA, Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 11/02/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/14/2011
	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: 08/30/2010	Source: EPA Region 9
Date Data Arrived at EDR: 08/30/2010	Telephone: 415-972-3368
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 11/01/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Quarterly

## 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: 08/27/2010	Source: EPA Region 4
Date Data Arrived at EDR: 08/30/2010	Telephone: 404-562-9424
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 11/01/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Semi-Annually

## 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: 08/05/2010	Source: EPA Region 10
Date Data Arrived at EDR: 08/06/2010	Telephone: 206-553-2857
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 11/01/2010
Number of Days to Update: 59	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Quarterly

## 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: 08/03/2010	Source: EPA Region 6
Date Data Arrived at EDR: 08/04/2010	Telephone: 214-665-7591
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 11/01/2010
Number of Days to Update: 61	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Semi-Annually

## 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: 02/11/2010	Source: EPA Region 5
Date Data Arrived at EDR: 02/11/2010	Telephone: 312-886-6136
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 11/01/2010
Number of Days to Update: 60	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

# 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: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 10/29/2010
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/31/2011
	Data Release Frequency: Varies

## ***State and tribal institutional control / engineering control registries***

### AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 10/04/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 10/05/2010	Telephone: 517-373-4828
Date Made Active in Reports: 10/28/2010	Last EDR Contact: 09/07/2010
Number of Days to Update: 23	Next Scheduled EDR Contact: 12/20/2010
	Data Release Frequency: Varies

## ***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: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 10/04/2010
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/17/2011
	Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

## ***State and tribal Brownfields sites***

### BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 09/27/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 09/28/2010	Telephone: 517-373-4805
Date Made Active in Reports: 10/28/2010	Last EDR Contact: 11/22/2010
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

### BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007	Source: Economic Development Corporation
Date Data Arrived at EDR: 04/10/2007	Telephone: 888-522-0103
Date Made Active in Reports: 05/01/2007	Last EDR Contact: 06/21/2010
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/20/2010
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ADDITIONAL ENVIRONMENTAL RECORDS

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

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 Brownfields Cleanup Revolving Loan Fund (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: 06/24/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/25/2010	Telephone: 202-566-2777
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 09/29/2010
Number of Days to Update: 53	Next Scheduled EDR Contact: 01/10/2011
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

#### ODI: Open Dump Inventory

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

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

#### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 11/09/2010
Number of Days to Update: 137	Next Scheduled EDR Contact: 01/10/2011
	Data Release Frequency: Varies

#### HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/28/2003	Telephone: 517-335-4034
Date Made Active in Reports: 03/06/2003	Last EDR Contact: 02/28/2003
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 11/09/2010
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/21/2011
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Local Lists of Hazardous waste / Contaminated Sites**

### US CDL: Clandestine Drug Labs

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

Date of Government Version: 05/07/2010	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/18/2010	Telephone: 202-307-1000
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 10/29/2010
Number of Days to Update: 60	Next Scheduled EDR Contact: 12/20/2010
	Data Release Frequency: Quarterly

### DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support it's listing or the site no longer meets criteria specified in rules.

Date of Government Version: 08/04/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 08/04/2010	Telephone: 517-373-9541
Date Made Active in Reports: 08/06/2010	Last EDR Contact: 11/01/2010
Number of Days to Update: 2	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

### CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008	Source: Department of Community Health
Date Data Arrived at EDR: 11/18/2008	Telephone: 517-373-3740
Date Made Active in Reports: 11/21/2008	Last EDR Contact: 11/02/2010
Number of Days to Update: 3	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

### US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

## **Local Land Records**

### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 05/06/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/11/2010	Telephone: 202-564-6023
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 11/01/2010
Number of Days to Update: 90	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 11/22/2010
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Varies

## LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC \* 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 03/30/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 04/30/2010	Telephone: 517-373-9837
Date Made Active in Reports: 06/09/2010	Last EDR Contact: 10/26/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 02/07/2011
	Data Release Frequency: Varies

## **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: 04/06/2010	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/07/2010	Telephone: 202-366-4555
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 10/07/2010
Number of Days to Update: 50	Next Scheduled EDR Contact: 01/17/2011
	Data Release Frequency: Annually

### PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 10/21/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 10/22/2010	Telephone: 517-373-8427
Date Made Active in Reports: 10/28/2010	Last EDR Contact: 09/13/2010
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Quarterly

## **Other Ascertainable Records**

### RCRA-NonGen: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: 312-886-6186
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 10/07/2010
Number of Days to Update: 87	Next Scheduled EDR Contact: 01/17/2011
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/12/2010  
Date Data Arrived at EDR: 02/09/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 62

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 11/09/2010  
Next Scheduled EDR Contact: 02/21/2011  
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: 703-692-8801  
Last EDR Contact: 10/28/2010  
Next Scheduled EDR Contact: 01/31/2011  
Data Release Frequency: Semi-Annually

## 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: 12/31/2008  
Date Data Arrived at EDR: 09/30/2009  
Date Made Active in Reports: 12/01/2009  
Number of Days to Update: 62

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 09/14/2010  
Next Scheduled EDR Contact: 12/27/2010  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 04/11/2010  
Date Data Arrived at EDR: 04/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 28

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 10/04/2010  
Next Scheduled EDR Contact: 01/17/2011  
Data Release Frequency: Varies

## 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: 06/01/2010  
Date Data Arrived at EDR: 06/16/2010  
Date Made Active in Reports: 08/17/2010  
Number of Days to Update: 62

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 09/15/2010  
Next Scheduled EDR Contact: 12/27/2010  
Data Release Frequency: Annually

## 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: 12/14/2009  
Date Data Arrived at EDR: 09/29/2010  
Date Made Active in Reports: 10/04/2010  
Number of Days to Update: 5

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 09/01/2010  
Next Scheduled EDR Contact: 12/13/2010  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MINES: Mines Master Index File

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

Date of Government Version: 05/07/2010  
Date Data Arrived at EDR: 06/09/2010  
Date Made Active in Reports: 08/30/2010  
Number of Days to Update: 82

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Semi-Annually

## 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: 12/31/2008  
Date Data Arrived at EDR: 01/13/2010  
Date Made Active in Reports: 02/18/2010  
Number of Days to Update: 36

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 09/01/2010  
Next Scheduled EDR Contact: 12/13/2010  
Data Release Frequency: Annually

## 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: 12/31/2002  
Date Data Arrived at EDR: 04/14/2006  
Date Made Active in Reports: 05/30/2006  
Number of Days to Update: 46

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 10/01/2010  
Next Scheduled EDR Contact: 01/10/2011  
Data Release Frequency: Every 4 Years

## 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  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 08/30/2010  
Next Scheduled EDR Contact: 12/13/2010  
Data Release Frequency: Quarterly

## 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  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 08/30/2010  
Next Scheduled EDR Contact: 12/13/2010  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
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  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

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

## 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: 12/31/2008  
Date Data Arrived at EDR: 01/06/2010  
Date Made Active in Reports: 02/10/2010  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 11/01/2010  
Next Scheduled EDR Contact: 02/14/2011  
Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

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

Date of Government Version: 04/24/2010  
Date Data Arrived at EDR: 04/29/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 18

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 09/27/2010  
Next Scheduled EDR Contact: 01/10/2011  
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: 02/01/2010  
Date Data Arrived at EDR: 04/22/2010  
Date Made Active in Reports: 08/09/2010  
Number of Days to Update: 109

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 11/10/2010  
Next Scheduled EDR Contact: 01/31/2011  
Data Release Frequency: Annually

## MLTS: Material Licensing Tracking System

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

Date of Government Version: 03/18/2010  
Date Data Arrived at EDR: 04/06/2010  
Date Made Active in Reports: 05/27/2010  
Number of Days to Update: 51

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 09/13/2010  
Next Scheduled EDR Contact: 12/27/2010  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 07/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/14/2010	Telephone: 202-343-9775
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 10/14/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/24/2011
	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: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (312) 353-2000
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 09/15/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Quarterly

## 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

## 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: 12/31/2007	Source: EPA/NTIS
Date Data Arrived at EDR: 02/25/2010	Telephone: 800-424-9346
Date Made Active in Reports: 05/12/2010	Last EDR Contact: 08/24/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/06/2010
	Data Release Frequency: Biennially

## UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 08/03/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 08/03/2010	Telephone: 517-241-1515
Date Made Active in Reports: 09/22/2010	Last EDR Contact: 11/22/2010
Number of Days to Update: 50	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

## WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2010  
Date Data Arrived at EDR: 09/02/2010  
Date Made Active in Reports: 09/22/2010  
Number of Days to Update: 20

Source: Department of Natural Resources & Environment  
Telephone: 517-373-9875  
Last EDR Contact: 09/02/2010  
Next Scheduled EDR Contact: 12/13/2010  
Data Release Frequency: Quarterly

**DRYCLEANERS:** Drycleaning Establishments  
A listing of drycleaning facilities in Michigan.

Date of Government Version: 07/30/2010  
Date Data Arrived at EDR: 08/04/2010  
Date Made Active in Reports: 09/22/2010  
Number of Days to Update: 49

Source: Department of Natural Resources & Environment  
Telephone: 517-335-4586  
Last EDR Contact: 10/25/2010  
Next Scheduled EDR Contact: 02/07/2011  
Data Release Frequency: Varies

**NPDES:** List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 10/12/2010  
Date Data Arrived at EDR: 10/13/2010  
Date Made Active in Reports: 10/28/2010  
Number of Days to Update: 15

Source: Department of Natural Resources & Environment  
Telephone: 517-241-1300  
Last EDR Contact: 10/13/2010  
Next Scheduled EDR Contact: 01/24/2011  
Data Release Frequency: Varies

**AIRS:** Permit and Emissions Inventory Data  
Permit and emissions inventory data.

Date of Government Version: 10/04/2010  
Date Data Arrived at EDR: 10/05/2010  
Date Made Active in Reports: 10/28/2010  
Number of Days to Update: 23

Source: Department of Natural Resources & Environment  
Telephone: 517-373-7074  
Last EDR Contact: 09/29/2010  
Next Scheduled EDR Contact: 01/10/2011  
Data Release Frequency: Varies

**BEA:** BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 08/27/2010  
Date Data Arrived at EDR: 08/27/2010  
Date Made Active in Reports: 09/22/2010  
Number of Days to Update: 26

Source: Department of Natural Resources & Environment  
Telephone: 517-373-9541  
Last EDR Contact: 11/22/2010  
Next Scheduled EDR Contact: 03/07/2011  
Data Release Frequency: Semi-Annually

**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: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 10/28/2010  
Next Scheduled EDR Contact: 01/31/2011  
Data Release Frequency: Semi-Annually

**SCRD DRYCLEANERS:** State Coalition for Remediation of Drycleaners Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/12/2010  
Date Data Arrived at EDR: 05/13/2010  
Date Made Active in Reports: 08/17/2010  
Number of Days to Update: 96

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 11/15/2010  
Next Scheduled EDR Contact: 02/07/2011  
Data Release Frequency: Varies

## FEDLAND: Federal and Indian Lands

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

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

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 10/28/2010  
Next Scheduled EDR Contact: 01/31/2011  
Data Release Frequency: N/A

## COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 10/18/2010  
Date Data Arrived at EDR: 10/19/2010  
Date Made Active in Reports: 10/28/2010  
Number of Days to Update: 9

Source: Department of Natural Resources & Environment  
Telephone: 586-753-3754  
Last EDR Contact: 10/12/2010  
Next Scheduled EDR Contact: 01/24/2011  
Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 01/01/2008  
Date Data Arrived at EDR: 02/18/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 100

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 11/10/2010  
Next Scheduled EDR Contact: 02/14/2011  
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: 11/09/2009  
Date Data Arrived at EDR: 12/18/2009  
Date Made Active in Reports: 02/10/2010  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 09/15/2010  
Next Scheduled EDR Contact: 12/27/2010  
Data Release Frequency: Varies

## COAL ASH DOE: Sleam-Electric Plan Operation Data

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

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 08/07/2009  
Date Made Active in Reports: 10/22/2009  
Number of Days to Update: 76

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 10/28/2010  
Next Scheduled EDR Contact: 01/31/2011  
Data Release Frequency: Varies

## FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 10/19/2010  
Date Data Arrived at EDR: 10/22/2010  
Date Made Active in Reports: 10/28/2010  
Number of Days to Update: 6

Source: Department of Natural Resources & Environment  
Telephone: 517-335-6610  
Last EDR Contact: 10/12/2010  
Next Scheduled EDR Contact: 01/24/2011  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/04/2010  
Date Data Arrived at EDR: 10/05/2010  
Date Made Active in Reports: 10/28/2010  
Number of Days to Update: 23

Source: Department of Natural Resources & Environment  
Telephone: 517-335-4034  
Last EDR Contact: 10/04/2010  
Next Scheduled EDR Contact: 01/17/2011  
Data Release Frequency: Varies

## EDR PROPRIETARY RECORDS

### *EDR Proprietary Records*

#### Manufactured Gas Plants: 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

## 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: 12/31/2007  
Date Data Arrived at EDR: 08/26/2009  
Date Made Active in Reports: 09/11/2009  
Number of Days to Update: 16

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 08/25/2010  
Next Scheduled EDR Contact: 12/06/2010  
Data Release Frequency: Annually

#### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 07/22/2010  
Date Made Active in Reports: 08/26/2010  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 10/19/2010  
Next Scheduled EDR Contact: 01/31/2011  
Data Release Frequency: Annually

#### NY MANIFEST: Facility and Manifest Data

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/28/2010  
Date Data Arrived at EDR: 08/11/2010  
Date Made Active in Reports: 09/24/2010  
Number of Days to Update: 44

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 11/09/2010  
Next Scheduled EDR Contact: 02/21/2011  
Data Release Frequency: Annually

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008  
Date Data Arrived at EDR: 12/01/2009  
Date Made Active in Reports: 12/14/2009  
Number of Days to Update: 13

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 11/22/2010  
Next Scheduled EDR Contact: 03/07/2011  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 07/19/2010  
Date Made Active in Reports: 08/26/2010  
Number of Days to Update: 38

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 08/30/2010  
Next Scheduled EDR Contact: 12/13/2010  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 07/06/2010  
Date Made Active in Reports: 07/26/2010  
Number of Days to Update: 20

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 09/20/2010  
Next Scheduled EDR Contact: 01/03/2011  
Data Release Frequency: Annually

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: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 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 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

### STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.



## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

KLEIN TOOL - JONESVILLE  
121 WATER ST.  
JONESVILLE, MI 49250

### TARGET PROPERTY COORDINATES

Latitude (North):	41.98360 - 41° 59' 1.0"
Longitude (West):	84.6643 - 84° 39' 51.5"
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	693497.8
UTM Y (Meters):	4650381.0
Elevation:	1071 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	41084-H6 HILLSDALE, MI
Most Recent Revision:	1979

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).

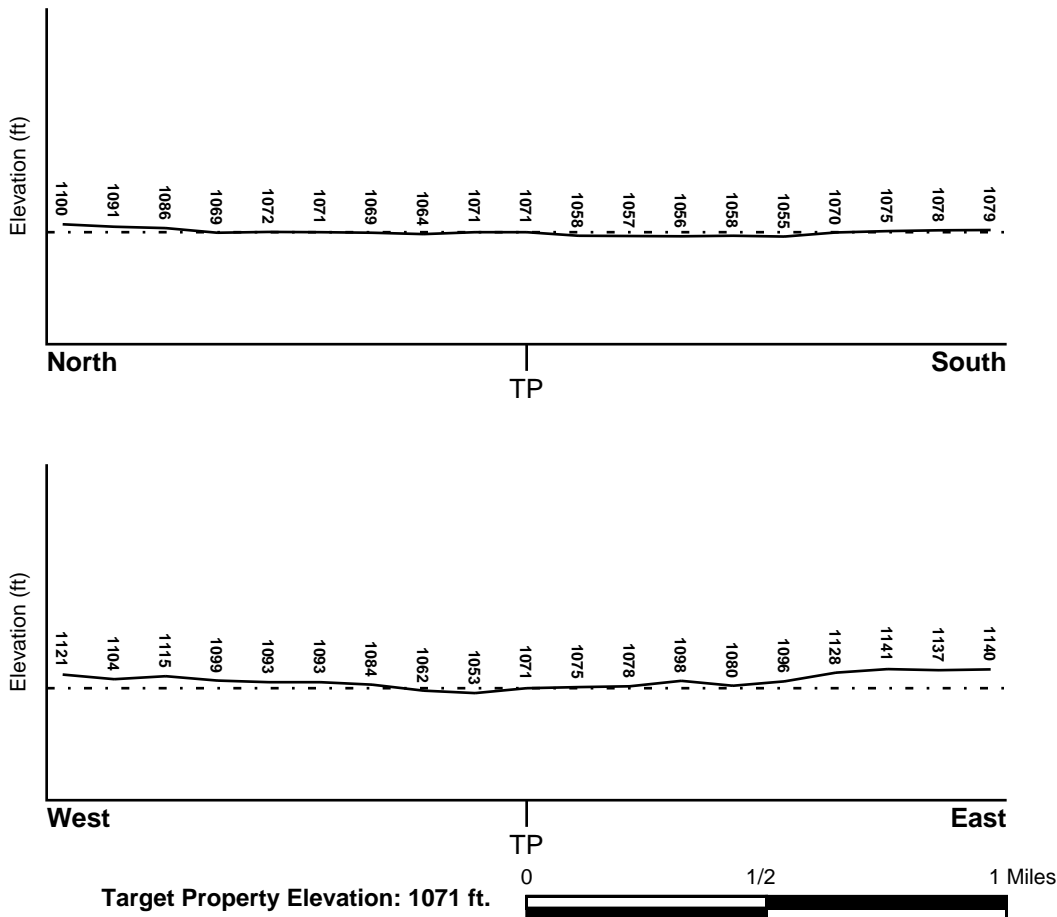
## TOPOGRAPHIC INFORMATION

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 SSW

## 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>	<u>FEMA Flood Electronic Data</u>
HILLSDALE, MI	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
HILLSDALE	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**

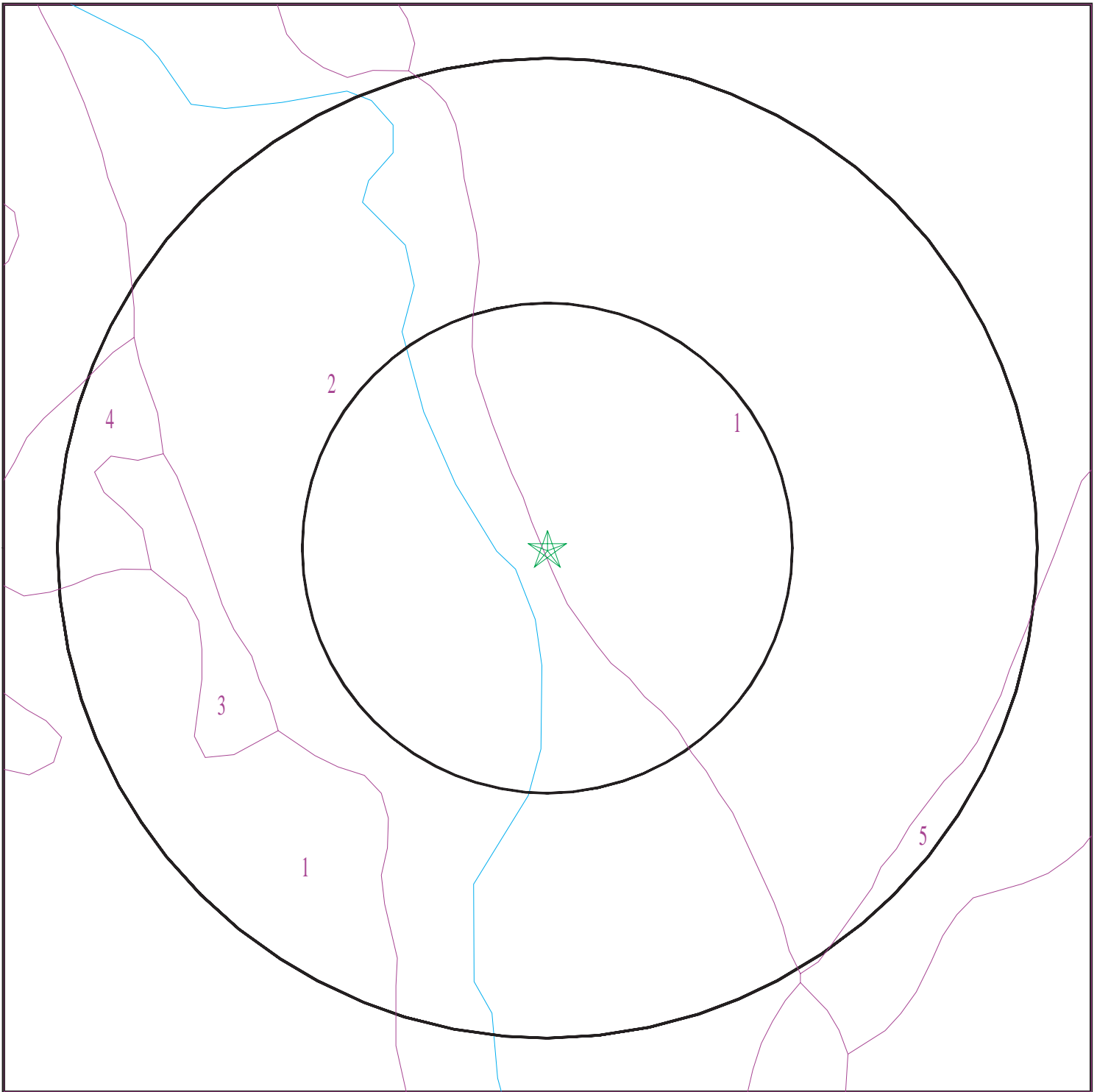
Era: Paleozoic  
System: Mississippian  
Series: Osagean and Kinderhookian Series  
Code: M1 (*decoded above as Era, System & Series*)

#### **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).

# SSURGO SOIL MAP - 2930942.1s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Klein Tool - Jonesville  
ADDRESS: 121 Water St.  
Jonesville MI 49250  
LAT/LONG: 41.9836 / 84.6643

CLIENT: Soil & Materials Engineers Inc  
CONTACT: Casey E. Smith  
INQUIRY #: 2930942.1s  
DATE: November 29, 2010 9:45 am

# 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: Fox

Soil Surface Texture: sandy 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	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	7 inches	33 inches	gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	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		
3	33 inches	59 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4

### Soil Map ID: 2

Soil Component Name: Houghton

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

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	9 inches	muck	A-8	Highly organic soils, Peat.	Max: 42 Min: 1.4	Max: Min:
2	9 inches	59 inches	muck	A-8	Highly organic soils, Peat.	Max: 42 Min: 1.4	Max: Min:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 3

Soil Component Name: Fox

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

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	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	7 inches	33 inches	gravelly sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4
3	33 inches	59 inches	gravelly sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4

### Soil Map ID: 4

Soil Component Name: Fox

Soil Surface Texture: sandy 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	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	7 inches	33 inches	gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4
3	33 inches	59 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4

### Soil Map ID: 5

Soil Component Name: Hillsdale

Soil Surface Texture: sandy 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: Low

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	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 8.4 Min: 7.9
2	7 inches	14 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 8.4 Min: 7.9
3	14 inches	42 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 8.4 Min: 7.9
4	42 inches	59 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 8.4 Min: 7.9

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A6	USGS2317332	1/2 - 1 Mile South

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

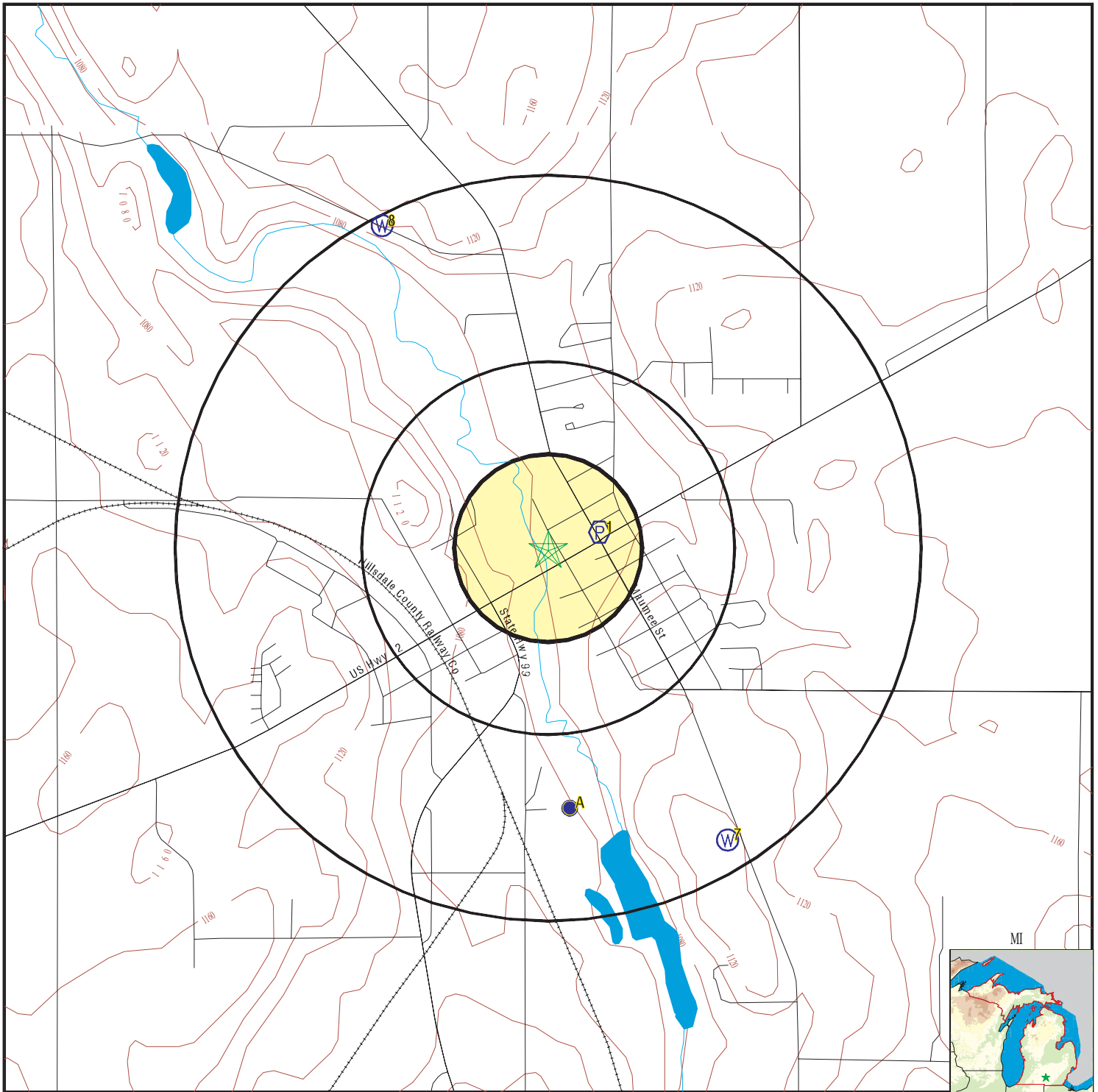
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	MI0003490	1/8 - 1/4 Mile ENE

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>
A2	MI20091701	1/2 - 1 Mile South
A3	MI20091698	1/2 - 1 Mile South
A4	MI20091697	1/2 - 1 Mile South
A5	MI20091700	1/2 - 1 Mile South
7	MI20092853	1/2 - 1 Mile SSE
8	MI20092947	1/2 - 1 Mile NNW

# PHYSICAL SETTING SOURCE MAP - 2930942.1s



- County Boundary
- Major Roads
- Contour Lines
- 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: Klein Tool - Jonesville  
 ADDRESS: 121 Water St.  
 Jonesville MI 49250  
 LAT/LONG: 41.9836 / 84.6643

CLIENT: Soil & Materials Engineers Inc  
 CONTACT: Casey E. Smith  
 INQUIRY #: 2930942.1s  
 DATE: November 29, 2010 9:45 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**

**ENE**  
**1/8 - 1/4 Mile**  
**Higher**

**FRDS PWS      MI0003490**

Pwsid: MI0003490  
 State: MI  
 Pws name: JONESVILLE  
 Population Served: 2337  
 PWS Source: Groundwater  
 Pws type: CWS  
 Status: Active  
 Facility id: 1620  
 Facility name: WELL 1  
 Facility type: Well  
 Treatment objective: iron removal  
 Contact name: MITCHELL, MICHAEL  
 Original name: MITCHELL, MICHAEL  
 Contact phone: 517-849-2104  
 Contact address2: Not Reported  
 Contact city: JONESVILLE  
 Contact zip: 49250

Epa region: 05  
 County: Hillsdale  
 Pwssvconn: 823  
 Owner type: Local\_Govt  
 Treatment process: filtration, pressure sand  
 Contact address1: 265 E. Chicago Street

Pwsid: MI0003490  
 State: MI  
 Pws name: JONESVILLE  
 Population Served: 2337  
 PWS Source: Groundwater  
 Pws type: CWS  
 Status: Active  
 Facility id: 1621  
 Facility name: WELL 2  
 Facility type: Well  
 Treatment objective: iron removal  
 Contact name: MITCHELL, MICHAEL  
 Original name: MITCHELL, MICHAEL  
 Contact phone: 517-849-2104  
 Contact address2: Not Reported  
 Contact city: JONESVILLE  
 Contact zip: 49250

Epa region: 05  
 County: Hillsdale  
 Pwssvconn: 823  
 Owner type: Local\_Govt  
 Treatment process: filtration, pressure sand  
 Contact address1: 265 E. Chicago Street

Pwsid: MI0003490  
 State: MI  
 Pws name: JONESVILLE  
 Population Served: 2337  
 PWS Source: Groundwater  
 Pws type: CWS  
 Status: Active  
 Facility id: 4062  
 Facility name: DISTRIBUTION SYSTEM  
 Facility type: Distribution\_system\_zone  
 Treatment objective: iron removal

Epa region: 05  
 County: Hillsdale  
 Pwssvconn: 823  
 Owner type: Local\_Govt  
 Treatment process: filtration, pressure sand

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	5789		
Facility name:	IRON REMOVAL PLANT		
Facility type:	Treatment_plant	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	6841		
Facility name:	FUTURE RD AND A STREET		
Facility type:	Storage	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	1620		
Facility name:	WELL 1		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	1621		
Facility name:	WELL 2		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	4062		
Facility name:	DISTRIBUTION SYSTEM		
Facility type:	Distribution_system_zone	Treatment process:	fluoridation
Treatment objective:	other		

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	5789		
Facility name:	IRON REMOVAL PLANT		
Facility type:	Treatment_plant	Treatment process:	fluoridation
Treatment objective:	other		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	6841		
Facility name:	FUTURE RD AND A STREET		
Facility type:	Storage	Treatment process:	fluoridation
Treatment objective:	other		

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	1620		
Facility name:	WELL 1		
Facility type:	Well	Treatment process:	not reported
Treatment objective:	iron removal		

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	1621		
Facility name:	WELL 2		
Facility type:	Well	Treatment process:	not reported
Treatment objective:	iron removal		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	4062		
Facility name:	DISTRIBUTION SYSTEM		
Facility type:	Distribution_system_zone	Treatment process:	not reported
Treatment objective:	iron removal		

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	5789		
Facility name:	IRON REMOVAL PLANT		
Facility type:	Treatment_plant	Treatment process:	not reported
Treatment objective:	iron removal		

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	6841		
Facility name:	FUTURE RD AND A STREET		
Facility type:	Storage	Treatment process:	not reported
Treatment objective:	iron removal		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	1620		
Facility name:	WELL 1		
Facility type:	Well	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	1621		
Facility name:	WELL 2		
Facility type:	Well	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		

Contact name:	MITCHELL, MICHAEL	Contact address1:	265 E. Chicago Street
Original name:	MITCHELL, MICHAEL		
Contact phone:	517-849-2104		
Contact address2:	Not Reported		
Contact city:	JONESVILLE		
Contact zip:	49250		

Pwsid:	MI0003490	Epa region:	05
State:	MI	County:	Hillsdale
Pws name:	JONESVILLE		
Population Served:	2337	Pwssvconn:	823
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	4062		
Facility name:	DISTRIBUTION SYSTEM		
Facility type:	Distribution_system_zone	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contact name: MITCHELL, MICHAEL  
 Original name: MITCHELL, MICHAEL  
 Contact phone: 517-849-2104  
 Contact address2: Not Reported  
 Contact city: JONESVILLE  
 Contact zip: 49250  
 Contact address1: 265 E. Chicago Street

Pwsid: MI0003490  
 State: MI  
 Pws name: JONESVILLE  
 Population Served: 2337  
 PWS Source: Groundwater  
 Pws type: CWS  
 Status: Active  
 Facility id: 5789  
 Facility name: IRON REMOVAL PLANT  
 Facility type: Treatment\_plant  
 Treatment objective: disinfection  
 Epa region: 05  
 County: Hillsdale  
 Pwssvconn: 823  
 Owner type: Local\_Govt  
 Treatment process: hypochlorination, post

Contact name: MITCHELL, MICHAEL  
 Original name: MITCHELL, MICHAEL  
 Contact phone: 517-849-2104  
 Contact address2: Not Reported  
 Contact city: JONESVILLE  
 Contact zip: 49250  
 Contact address1: 265 E. Chicago Street

Pwsid: MI0003490  
 State: MI  
 Pws name: JONESVILLE  
 Population Served: 2337  
 PWS Source: Groundwater  
 Pws type: CWS  
 Status: Active  
 Facility id: 6841  
 Facility name: FUTURE RD AND A STREET  
 Facility type: Storage  
 Treatment objective: disinfection  
 Epa region: 05  
 County: Hillsdale  
 Pwssvconn: 823  
 Owner type: Local\_Govt  
 Treatment process: hypochlorination, post

Contact name: MITCHELL, MICHAEL  
 Original name: MITCHELL, MICHAEL  
 Contact phone: 517-849-2104  
 Contact address2: Not Reported  
 Contact city: JONESVILLE  
 Contact zip: 49250  
 Contact address1: 265 E. Chicago Street

PWS ID: MI0003490  
 Date Initiated: Not Reported  
 PWS Name: JONESVILLE  
 VILLAGE OF JONESVILLE  
 103 EVANS STREET  
 JONESVILLE, MI 49250  
 Date Deactivated: Not Reported

Addressee / Facility: Not Reported

Facility Latitude: 41 59 03  
 City Served: Not Reported  
 Treatment Class: Treated  
 Facility Longitude: 084 39 42  
 Population: 2200

Violations information not reported.

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**A2**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**MI WELLS      MI20091701**

Wellid:	30000000070	Import id:	30760315302
County:	Hillsdale	Township:	Hillsdale
Town range:	06S 03W	Section:	15
Owner name:	CITY OF HILLSDALE		
Well addr:	HILLSDALE WELL #2		
Well depth:	65		
Well type:	Type I public		
Wssn:	3170		
Well num:	HILLSDALE WELL #2	Driller id:	0
Const date:	Not Reported	Case type:	Unknown
Case dia:	12		
Case depth:	53		
Screen frm:	0		
Screen to:	0		
Swl:	999.99		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	550
Latitude:	41.973626		
Longitude:	-84.663155		
Methd coll:	GPS Code Meas. Std. Positioning Svc. SA Off		
Elevation:	1059		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	SWL > Well Depth		
Elev dem:	1063	Elev dif:	4
Elev miv:	1059	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq d:	0	Pct aq:	0
Pct maq:	100	Pct aq r:	0
Pct maq r:	0	Pct maq d:	100
Pct cm d:	0	Pct cm:	0
Pct pcm:	0	Pct cm r:	0
Pct pcm r:	0	Pct pcm d:	0
Pct na d:	0	Pct na:	0
Pct flag:	Not Reported	Pct na r:	0
D r type:	Not Reported	Rock top:	-1
A thicknes:	0	Spc cpcity:	0
A pct maq:	0	A pct aq:	0
A pct cm:	0	A pct pcm:	0
A thickns2:	0	A pct na:	0
A pct maq2:	0	A pct aq2:	0
A pct cm2:	0	A pct pcm2:	0
A hit swl:	F	A pct na2:	0
A hit rock:	F	A hit top:	T
A sc lmod1:	Not Reported	A sc lith1:	Not Reported
A sc lpct1:	0	A sc lmaq1:	Not Reported
A sc lmod2:	Not Reported	A sc lith2:	Not Reported
A sc lpct2:	0	A sc lmaq2:	Not Reported
Pct maq 1:	100	Pct aq 1:	0
Pct pcm 1:	0	Pct cm 1:	0
		Pct na 1:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	100
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	100	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

**A3  
South  
1/2 - 1 Mile  
Lower**

**MI WELLS      MI20091698**

Wellid:	30000000058	Import id:	30760304302
County:	Hillsdale	Township:	Fayette
Town range:	06S 03W	Section:	4
Owner name:	VILLAGE OF JONESVILLE		
Well addr:	JONESVILLE WELL #2 TEST		
Well depth:	95		
Well type:	Type I public		
Wssn:	3490		
Well num:	JONESVILLE WELL #2 TEST	Driller id:	160
Const date:	1962-03-09 00:00:00.000	Case type:	Unknown
Case dia:	6		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	73.5		
Screen frm:	74		
Screen to:	80		
Swl:	15.9		
Test depth:	12		
Test hours:	0		
Test rate:	458	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	620
Latitude:	41.973626		
Longitude:	-84.663155		
Methd coll:	GPS Code Meas. Std. Positioning Svc. SA Off		
Elevation:	1059		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	1063	Elev dif:	4
Elev miv:	1059	Aq code:	Drift Well
Aq flag:	Not Reported	Pct aq:	59
Pct aq d:	59	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	20
Pct cm d:	20	Pct cm r:	0
Pct pcm:	21	Pct pcm d:	21
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	25	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	64	A pct aq2:	64
A pct maq2:	0	A pct pcm2:	6
A pct cm2:	30	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Gravel
A sc lmod1:	W/Sand	A sc lmaq1:	AQ
A sc lpct1:	83	A sc lith2:	Gravel
A sc lmod2:	W/Sand	A sc lmaq2:	AQ
A sc lpct2:	17	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	100	Pct na 1:	0
Pct aq 2:	80	Pct maq 2:	0
Pct cm 2:	20	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	25
Pct maq 3:	0	Pct cm 3:	75
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	64		
Horiz Conduct:	140.62565		
Vert Conduct:	.00034		
T2:	9000.0419		
D50plek:	897.10665		

**A4  
South  
1/2 - 1 Mile  
Lower**

**MI WELLS      MI20091697**

Wellid:	30000000057	Import id:	30760304301
County:	Hillsdale	Township:	Fayette
Town range:	06S 03W	Section:	4
Owner name:	VILLAGE OF JONESVILLE		
Well addr:	JONESVILLE WELL #1 PRODUCING		
Well depth:	81		
Well type:	Type I public		
Wssn:	3490		
Well num:	JONESVILLE WELL #1 PRODUCING	CD#:	106
Const date:	1962-05-02 00:00:00.000	Case type:	Unknown
Case dia:	12		
Case depth:	60.1		
Screen frm:	0		
Screen to:	0		
Swl:	13.7		
Test depth:	18		
Test hours:	0		
Test rate:	1230	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	680
Latitude:	41.973444		
Longitude:	-84.662973		
Methd coll:	GPS Code Meas. Std. Positioning Svc. SA Off		
Elevation:	1065		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	1069	Elev dif:	4
Elev miv:	1065	Aq code:	Drift Well
Aq flag:	Not Reported	Pct aq:	56
Pct aq d:	56	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	27

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	27	Pct cm r:	0
Pct pcm:	17	Pct pcm d:	17
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	T
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	55
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	45	Pct na 1:	0
Pct aq 2:	50	Pct maq 2:	0
Pct cm 2:	25	Pct pcm 2:	25
Pct na 2:	0	Pct aq 3:	15
Pct maq 3:	0	Pct cm 3:	85
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**A5**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**MI WELLS      MI20091700**

Wellid:	30000000069	Import id:	30760315301
County:	Hillsdale	Township:	Hillsdale
Town range:	06S 03W	Section:	15
Owner name:	CITY OF HILLSDALE		
Well addr:	HILLSDALE WELL #1		
Well depth:	95		
Well type:	Type I public		
Wssn:	3170		
Well num:	HILLSDALE WELL #1	Driller id:	0
Const date:	Not Reported	Case type:	Unknown
Case dia:	12		
Case depth:	75		
Screen frm:	75		
Screen to:	95		
Swl:	999.99		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	410
Latitude:	41.973444		
Longitude:	-84.662973		
Methd coll:	GPS Code Meas. Std. Positioning Svc. SA Off		
Elevation:	1065		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	SWL > Well Depth		
Elev dem:	1069	Elev dif:	4
Elev miv:	1065	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq d:	0	Pct aq r:	0
Pct maq:	100	Pct maq d:	100
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	T
A hit rock:	F	A sc lith1:	Sand Gravel Clay
A sc lmod1:	W/Silt	A sc lmaq1:	MAQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	100	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	100
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	100	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	100
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

**A6  
South  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS2317332**

Agency cd:	USGS	Site no:	415824084394901
Site name:	59 FAYETTE 1	EDR Site id:	USGS2317332
Latitude:	415824	Dec lat:	41.97337988
Longitude:	0843949	Coor meth:	M
Dec lon:	-84.66356818	Latlong datum:	NAD27
Coor accr:	M	District:	26
Dec latlong datum:	NAD83	County:	059
State:	26	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19860709	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	440013100		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1986-07-09
Water quality data end date:	1986-07-09	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**7**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**MI WELLS      MI20092853**

Wellid:	30000001533	Import id:	Not Reported
County:	Hillsdale	Township:	Fayette
Town range:	06S 03W	Section:	4
Owner name:	PAUL JONES		
Well addr:	880 MAUMEE STREET		
Well depth:	95		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2091
Const date:	2003-05-15 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	70		
Screen frm:	0		
Screen to:	0		
Swl:	68		
Test depth:	85		
Test hours:	2		
Test rate:	40	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	10
Latitude:	41.97225913		
Longitude:	-84.65494936		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	1135	Elev dif:	1135
Elev miv:	1135	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	26
Pct aq d:	0	Pct aq r:	100
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	0	Pct cm r:	0
Pct pcm:	74	Pct pcm d:	100
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	70
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	100	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	100
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	100	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	.0019		
Vert Conduct:	.0011		
T2:	.095		
D50plek:	.01632		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**8**  
**NNW**  
**1/2 - 1 Mile**  
**Higher**

**MI WELLS      MI20092947**

Wellid:	3000001668	Import id:	Not Reported
County:	Hillsdale	Township:	Fayette
Town range:	05S 03W	Section:	33
Owner name:	ZACHARY MARQUART		
Well addr:	2927 GENESEE		
Well depth:	72		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1593
Const date:	2003-06-27 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	35		
Screen frm:	0		
Screen to:	0		
Swl:	17		
Test depth:	25		
Test hours:	1		
Test rate:	30	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	41.99612509		
Longitude:	-84.67293477		
Methd coll:	Address Matching-House Number		
Elevation:	1102		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	1089	Elev dif:	13
Elev miv:	1102	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq d:	82	Pct aq:	82
Pct maq:	7	Pct aq r:	0
Pct maq r:	0	Pct maq d:	7
Pct cm d:	11	Pct cm:	11
Pct pcm:	0	Pct cm r:	0
Pct pcm r:	0	Pct pcm d:	0
Pct na d:	0	Pct na:	0
Pct flag:	Not Reported	Pct na r:	0
D r type:	Not Reported	Rock top:	-1
A thicknes:	0	Spc cpcity:	0
A pct maq:	0	A pct aq:	0
A pct cm:	0	A pct pcm:	0
A thickns2:	0	A pct na:	0
A pct maq2:	0	A pct aq2:	0
A pct cm2:	0	A pct pcm2:	0
A hit swl:	F	A pct na2:	0
A hit rock:	F	A hit top:	T
A sc lmod1:	Not Reported	A sc lith1:	Not Reported
A sc lpct1:	0	A sc lmaq1:	Not Reported
A sc lmod2:	Not Reported	A sc lith2:	Not Reported
A sc lpct2:	0	A sc lmaq2:	Not Reported
Pct maq 1:	0	Pct aq 1:	100
Pct pcm 1:	0	Pct cm 1:	0
		Pct na 1:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	35	Pct maq 2:	25
Pct cm 2:	40	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: MI Radon

### Radon Test Results

Zipcode	Test Date	LT Sign	Result
49250	11/28/2006		1.3
49250	6/12/2008		1.3
49250	6/26/2003		1.2
49250	3/29/2004		1.2
49250	3/17/2006		1.2
49250	3/31/2006		1.2
49250	4/16/2004		1.1
49250	1/21/2002		1.1
49250	2/29/2008		1.1
49250	2/25/2006		1.1
49250	8/25/2006		1.1
49250	5/24/2007		1.1
49250	2/21/2008		1.1
49250	4/7/1998		1.0
49250	4/18/2006		1.9
49250	2/27/2004		1.9
49250	4/26/2001		1.0
49250	1/16/2009		1.0
49250	4/6/2009		1.0
49250	6/6/2005		1.0
49250	12/14/2006		1.0
49250	11/1/2008		1.9
49250	5/3/2001		1.9
49250	10/23/2006	<	0.3
49250	2/7/2006		0.5
49250	3/11/2006		0.5
49250	10/30/2007		0.5
49250	11/5/2001	<	0.3
49250	11/21/2007		0.5
49250	4/23/2003	<	0.3
49250	10/9/2004	<	0.3
49250	4/19/2005	<	0.3
49250	7/10/2008	<	0.3
49250	2/23/2002	<	0.3
49250	10/6/2003	<	0.3
49250	8/6/2007	<	0.3
49250	11/21/2007	<	0.3
49250	11/28/2007	<	0.3
49250	4/6/2007	<	0.3
49250	10/6/2003		0.7
49250	2/4/2002		0.7
49250	10/30/2002		0.8
49250	8/9/2002		0.8
49250	4/30/2005		0.7
49250	7/25/2005		0.8
49250	5/30/2005		0.8
49250			

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	3/22/2004	0.8
49250	1/9/2006	0.7
49250	5/19/2003	0.9
49250	4/2/2004	0.8
49250	2/22/2006	0.7
49250	9/1/2007	0.6
49250	11/21/2005	0.8
49250	3/26/2004	0.9
49250	4/24/2008	0.8
49250	4/12/2008	0.7
49250	4/12/2007	0.8
49250	10/30/2007	0.9
49250	11/1/2008	0.9
49250	1/22/2010	0.8
49250	8/3/2007	0.9
49250	1/25/2010	0.6
49250	12/21/2009	0.6
49250	2/3/2009	0.9
49250	3/1/2002	0.6
49250	4/2/1998	0.8
49250	3/4/2005	1.8
49250	3/9/2006	1.8
49250	3/6/2008	2.9
49250	6/13/1998	2.7
49250	11/5/1996	2.5
49250	10/11/2002	2.5
49250	1/16/2009	2.5
49250	3/27/2009	2.5
49250	3/8/2002	2.4
49250	7/10/2004	2.4
49250	5/10/2005	2.4
49250	3/31/2006	2.4
49250	5/5/2007	2.4
49250	1/17/2006	2.4
49250	11/4/2006	2.2
49250	1/14/2009	2.4
49250	2/16/2007	2.2
49250	8/30/1997	2.2
49250	12/10/2009	2.2
49250	1/19/2010	2.2
49250	12/10/2002	2.2
49250	1/17/2006	2.3
49250	10/23/2004	2.2
49250	1/21/2002	2.1
49250	2/28/2002	2.1
49250	6/25/2007	3.0
49250	3/12/2007	3.0
49250	3/12/1999	2.8
49250	8/9/2002	2.7
49250	4/27/2009	3.0
49250	6/15/2002	2.8
49250	4/23/2007	2.7
49250	3/24/2008	2.6
49250	6/13/2001	2.7
49250	4/14/2004	2.9
49250	2/6/2007	2.9
49250		



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	1/12/2009		2.7
49250	3/31/2007		3.8
49250	3/26/2007	<	0.3
49250	11/6/2000		3.8
49250	4/11/2009		3.8
49250	12/26/2008		3.6
49250	12/26/2008		3.5
49250	12/10/2002		3.4
49250	5/3/2002		3.4
49250	5/26/2005		3.4
49250	1/12/2010		3.4
49250	2/28/2002		3.2
49250	1/17/2006		3.2
49250	2/3/2003		3.3
49250	11/17/2003		3.3
49250	10/23/2002		3.3
49250	12/12/2002		3.3
49250	5/2/2006		3.2
49250	4/10/2006		3.2
49250	2/13/2004		3.3
49250	12/26/2008		3.1
49250	11/30/1996		3.0
49250	11/15/2002		3.9
49250	4/17/2006		3.9
49250	2/23/2004		3.7
49250	2/23/2004		3.0
49250	12/11/2009	<	0.3
49250	6/19/2006		3.9
49250	1/5/2004		3.7
49250	5/30/2006		3.7
49250	4/30/2001		3.3
49250	4/10/2003		3.1
49250	7/31/2002		3.1
49250	11/12/2008		3.7
49250	2/7/2005		7.6
49250	12/26/2009		7.3
49250	1/16/2008		7.2
49250	11/4/2002		6.8
49250	1/24/2005		7.5
49250	4/10/2004		7.5
49250	11/9/2001		7.1
49250	2/17/1998		7.1
49250	5/6/2002		7.1
49250	9/7/2006		6.8
49250	4/18/2006		6.8
49250	3/11/2004		6.5
49250	11/14/2005		6.5
49250	8/2/2008		6.5
49250	11/5/2001		6.4
49250	3/26/2007		6.4
49250	1/24/2005		6.3
49250	5/8/2003		6.2
49250	3/26/1997		6.1
49250	11/1/2006		4.9
49250	8/17/2007		4.9
49250	2/3/2003		4.6
49250			

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	1/22/2008	6.0
49250	12/4/2009	5.2
49250	1/31/1994	4.9
49250	3/17/2008	5.5
49250	11/9/2007	5.5
49250	9/30/2002	5.1
49250	2/14/2005	5.1
49250	12/14/2007	5.9
49250	2/3/2005	4.7
49250	3/5/2005	5.8
49250	11/6/2002	4.8
49250	11/26/2002	4.8
49250	9/17/2007	5.8
49250	1/15/2004	5.0
49250	2/8/1994	4.6
49250	5/1/1997	5.7
49250	12/4/2006	5.7
49250	10/30/2006	5.3
49250	12/8/2000	4.7
49250	11/14/2005	5.7
49250	12/17/2001	4.9
49250	3/26/2004	4.9
49250	10/22/2001	5.6
49250	11/1/2001	5.6
49250	3/7/2005	5.6
49250	2/17/2009	5.3
49250	2/24/2001	8.0
49250	3/26/2001	7.5
49250	7/30/2002	6.7
49250	10/24/2002	7.8
49250	12/10/2001	7.0
49250	1/17/2004	7.0
49250	4/3/2002	7.7
49250	5/11/2002	7.7
49250	3/8/2004	7.7
49250	4/7/2008	7.3
49250	1/21/2005	6.9
49250	2/14/2004	6.9
49250	12/16/2006	6.9
49250	8/21/2006	250.7
49250	4/7/2006	182.2
49250	3/20/2006	142.9
49250	2/16/2005	79.6
49250	3/19/2007	72.2
49250	1/29/2007	67.0
49250	5/3/2008	66.2
49250	4/5/2004	25.5
49250	2/9/2006	24.6
49250	9/20/2006	24.3
49250	7/3/2006	17.6
49250	10/28/2003	59.6
49250	11/17/2003	56.0
49250	11/3/2003	49.6
49250	5/10/2008	49.5
49250	10/25/2007	45.9
49250	4/5/2008	44.4
49250		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	1/24/2003	43.8
49250	7/3/2006	42.7
49250	2/28/2002	23.4
49250	3/26/2007	23.4
49250	2/1/2008	23.2
49250	11/20/2003	22.2
49250	1/30/2007	17.0
49250	5/5/2008	16.9
49250	2/2/2006	16.7
49250	5/5/2007	16.6
49250	10/18/2001	16.2
49250	2/21/2002	16.2
49250	12/19/2002	16.2
49250	11/6/2002	15.6
49250	12/22/2001	13.7
49250	2/14/2006	15.3
49250	3/23/2007	15.3
49250	3/6/2002	15.1
49250	3/10/2006	15.0
49250	10/25/2007	14.8
49250	2/28/2007	14.5
49250	11/2/2001	14.4
49250	12/23/2003	14.3
49250	8/11/2007	13.7
49250	7/23/2007	13.6
49250	11/16/2001	13.3
49250	12/1/2008	13.2
49250	2/18/2002	12.7
49250	12/21/2002	12.6
49250	7/10/2006	12.5
49250	4/7/2006	8.9
49250	3/24/2003	12.3
49250	3/28/2005	12.3
49250	11/14/2005	12.3
49250	12/4/2006	11.1
49250	1/25/2002	10.0
49250	4/3/2002	10.0
49250	8/11/2008	8.1
49250	10/20/2001	8.0
49250	3/12/2005	12.0
49250	8/5/2006	12.0
49250	1/17/2004	9.9
49250	3/27/2007	9.9
49250	4/24/2008	9.9
49250	2/4/2002	8.8
49250	3/12/2002	8.8
49250	5/18/2006	8.8
49250	1/29/2001	8.8
49250	11/9/2001	11.6
49250	11/2/2002	10.6
49250	11/19/2001	10.5
49250	11/3/2001	9.7
49250	11/10/2001	9.7
49250	1/22/2007	8.5
49250	3/24/2007	8.5
49250	3/29/2002	8.4
49250		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	10/18/2001	10.5
49250	1/15/2007	10.5
49250	4/18/2006	10.5
49250	4/5/2007	10.5
49250	1/28/2002	10.4
49250	3/22/2007	10.4
49250	12/26/2009	9.7
49250	11/12/2003	9.6
49250	2/13/2006	8.4
49250	4/16/2004	11.3
49250	1/25/2002	11.2
49250	12/21/2001	11.2
49250	2/17/2005	10.2
49250	4/6/2007	10.2
49250	11/10/2001	9.5
49250	3/5/1998	9.4
49250	12/14/2001	9.4
49250	3/8/2006	8.7
49250	2/16/2006	9.3
49250	2/3/2007	8.1
49250	10/1/2005	2.1
49250	11/2/2007	8.3
49250	1/9/2009	8.3
49250	11/29/1997	8.2
49250	5/6/2002	8.2
49250	5/6/2002	8.2
49250	11/12/2001	9.1
49250	2/2/2006	9.1
49250	6/9/2006	9.0
49250	12/4/2006	8.6
49250	4/5/2004	40.2
49250	5/21/2008	36.5
49250	1/29/2010	33.6
49250	2/16/2007	21.3
49250	12/27/2002	21.2
49250	10/26/2009	20.9
49250	2/6/2006	20.7
49250	3/31/2007	20.5
49250	3/27/2007	32.9
49250	11/19/2001	32.4
49250	4/23/2007	30.2
49250	10/19/2009	20.0
49250	12/6/2001	19.8
49250	12/15/2008	2.1
49250	3/5/2007	27.2
49250	1/16/2008	26.3
49250	1/12/2010	26.0
49250	2/14/2007	18.8
49250	9/4/2007	18.7
49250	3/8/2001	18.6
49250	6/21/2005	1.6
49250	12/1/1997	4.4
49250	4/19/2005	4.3
49250	12/16/2006	4.3
49250	2/4/2002	4.4
49250	12/8/2007	4.3
49250		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	6/18/2007	4.3
49250	3/30/2007	4.3
49250	9/20/1999	4.3
49250	3/22/1997	4.1
49250	11/16/2001	4.1
49250	2/13/2007	4.0
49250	11/10/2008	4.0
49250	7/2/2007	4.4
49250	2/24/2009	4.3
49250	1/26/2004	4.1
49250	4/22/2005	4.1
49250	2/7/2005	4.2
49250	10/30/2006	4.1
49250	4/7/2008	4.1
49250	3/24/2007	4.2
49250	11/24/2008	4.1
49250	4/3/2009	4.1
49250	5/19/2007	1.6
49250	2/15/2006	1.6
49250	2/1/2008	1.6
49250	11/20/2009	1.6
49250	2/5/2005	1.5
49250	4/16/2004	1.4
49250	2/27/2009	1.5
49250	11/16/2001	1.4
49250	5/3/2001	1.4
49250	2/3/2009	1.4
49250	3/30/2007	1.4

Federal EPA Radon Zone for HILLSDALE 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: 49250

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	4.900 pCi/L	0%	100%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.550 pCi/L	50%	50%	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.

## HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 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 and 2005 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> 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 Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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.

### STATE RECORDS

#### Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

## OTHER STATE DATABASE INFORMATION

#### Michigan Oil and Gas Wells

Source: Department of Natural Resources and Environment

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

### RADON

#### State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551

Radon Test Results

#### Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

#### 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

### STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.



**APPENDIX E**  
**USER QUESTIONNAIRE**  
**OWNER/OCCUPANT QUESTIONNAIRE**

## PHASE I ENVIRONMENTAL ASSESSMENT – ALL APPROPRIATE INQUIRY USER QUESTIONNAIRE

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the Brownfields Amendments to CERCLA), the User of a Phase I Environmental Site Assessment (ESA) must consider the issues discussed below as part of the User's All Appropriate Inquiry (AAI) to identify Recognized Environmental Conditions (RECs) associated with the Property. This information should be provided to the Environmental Professional conducting the Phase I ESA so that a complete report can be issued.

The User may decide not to provide this information to the Environmental Professional; however, the absence of the information will be noted in the Phase I ESA report and may affect assessment conclusions. Under these circumstances, it will be the User's responsibility to determine if the Phase I ESA results, combined with results from the tasks described below, is sufficient to satisfy the requirements of All Appropriate Inquiry as defined by federal statute and regulation.

### Instructions:

1. Fill in all blanks.
2. Indicate "NA" (not applicable), if appropriate.
3. Attach additional pages with your signature if additional space is required.

Property Name: 121 Water Street

Property Location: Jonesville

County: Hillsdale State: Michigan

Questionnaire Completed By/Title: ADAM SMITH, Manager

Company/ Phone Number: Village of Jonesville (517) 849-2104

On Behalf Of (if applicable): N/A

Planned Date of Purchase/Lease (circle one): Subject to environmental assessment

Time Period of Site Knowledge: 20 years (staff)

**1. Reason for Phase I ESA**

The User of the requested Phase I ESA must make the reason for the Phase I ESA known to the Environmental Professional. Otherwise, it must be assumed that the reason is to qualify for an LLP to CERCLA liability. Please indicate the reason for this Phase I ESA of the Property.

- Due diligence/liability protection for purchase of the Property
- Due diligence/liability protection for lease of the Property
- Mortgage loan or refinance
- Foreclosure
- Other; explain \_\_\_\_\_

**2. Recorded Environmental Cleanup Liens and Activity/Use Limitations**

The User is responsible to ascertain, through personal knowledge and/or a review of reasonably ascertainable recorded land and judicial records, if any environmental liens have been filed on the Property and if any activity or use limitations (AULs) have been placed on the Property because of environmental impact. You may engage a title company or other capable professional to undertake the review of reasonably ascertainable records on your behalf.

Have you conducted, or arranged to have conducted, a review of land title records in which recorded liens and activity/use restrictions would be revealed?

- Yes       No

If yes, please specify who conducted the review: \_\_\_\_\_

If yes, please specify the types and locations of records reviewed: \_\_\_\_\_

Based on your personal knowledge and reviews of title records, are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

- Yes       No

If yes, explain briefly: \_\_\_\_\_

Based on your personal knowledge and reviews of title records, are you aware of any activity and/or use limitations, such as engineering controls, land use restrictions, or institutional controls, that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

- Yes       No

If yes, identify the land use limitations/restrictions: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**3. Specialized Knowledge and Experience**

Any specialized knowledge or experience of the User that could indicate, or create suspicion of, the presence environmental contamination on the Property must be considered as part of the AAI process. Specialized knowledge or experience includes familiarity with historic activities on the Property that could result in environmental impact, personal knowledge or experience that would indicate a risk of environmental impact associated with past Property uses, knowledge of the environmental history of the Property, and any other information that could indicate environmental impact or threat of environmental impact on the Property.

As the User of this environmental site assessment, do you have any specialized knowledge or experience related to the Property or adjoining properties?

Yes                       No

If yes, explain briefly: Gas Station along US-12 many years ago  
\_\_\_\_\_  
\_\_\_\_\_

**4. Relationship of Purchase Price to Value**

Historically, environmentally contaminated properties often have been sold at prices below market value to entice buyers to acquire the property, contamination, and resultant liabilities; therefore, if a property's sale price is significantly below market value without any obvious impairments or reasons for the reduced price, the potential for environmental impact as a cause of the reduced price must be evaluated.

Does the purchase price being paid for this Property reasonably reflect the fair market value of the property?

Yes                       No

If there is a significant negative difference, can you identify the reason for the reduced price versus value? If "No" the Property may be assumed to be contaminated.

Yes                       No

If yes, explain briefly: Tax benefit/Local unit of government  
\_\_\_\_\_

**5. Commonly Known or Reasonably Ascertainable Information**

Have you become aware, through conversations, rumor, etc., of any commonly known or reasonably ascertainable information within the local community that would indicate the Property could be contaminated (e.g. types of past uses, presence of storage tanks, use of chemicals, environmental cleanups, etc.) or that any past event (e.g. fire, chemical spill, accident, etc.) could have resulted in environmental impact of the Property or adjoining properties.

Yes                       No

If yes, explain briefly: Gas station along US-12 many years ago

**6. Proceedings Involving the Property**

Do you, the User of this environmental site assessment, based on your knowledge and experience related to the property, have any knowledge of any of the following:

- Pending, threatened, or past litigation related to hazardous substances or petroleum products in, on or arising from the Property?

Yes                       No

If yes, explain briefly: \_\_\_\_\_

- Pending, threatened, or past administrative proceedings related to hazardous substances or petroleum products in, on or arising from the Property?

Yes                       No

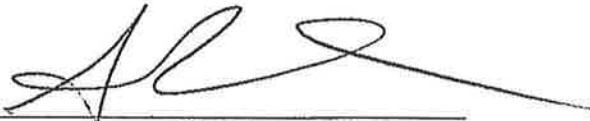
If yes, explain briefly: \_\_\_\_\_

- Notices from any governmental entity regarding any possible violation of environmental laws or regulations or possible liability relating to hazardous substances or petroleum products in, on or arising from the Property?

Yes                       No

If yes, explain briefly: DEQ Investigated a complaint from an employee when the facility was closed

ADAM SMITH  
Printed Name

  
Signature

11-30-10  
Date

**PHASE I ENVIRONMENTAL ASSESSMENT (ESA)  
PROPERTY OWNER/OCCUPANT QUESTIONNAIRE**

This questionnaire concerns the current and historical uses and conditions of the referenced property and will be included within the Phase I ESA report. Questionnaire answers should be based upon the owner/occupant's reasonable knowledge of current and historical use and activities at the property.

Instructions:

1. Fill in all blanks.
2. Indicate "NA" (not applicable), if appropriate.
3. Attach additional pages with your signature if additional space is required.

Property Name: Klein Tools, Inc

Property Location: 121 Water Street, Jonesville, Mi49250

County: Hillsdale State: Michigan

Questionnaire Completed By/Title: Russell Winnie – Director, Loss Prevention

Company/ Phone Number: (847) 821-5500

On Behalf Of (if applicable): \_\_\_\_\_

Year of Purchase/Lease (circle one): Purchased in 1986

Time Period of Site Knowledge: 2000 - Present

Names/Phone Numbers of Former Owners/Occupants:

Owners: Vaco Products Company

Occupants: \_\_\_\_\_

Names/Phone Numbers of other persons who have knowledge of property history: \_\_\_\_\_

Bob Newton (708) 977-9727

**Property Description and Use**

1. Provide a general description of the property:

Undeveloped  Vacant  Wooded  Buildings  Other

2. Describe the structures present on the property (number, size, and construction date): \_\_\_\_\_

See Attached

\_\_\_\_\_  
\_\_\_\_\_

3. Identify utilities available to the property (check box and indicate provider):

- Electric: Consumers/Michigan Utilities
- Gas: Aquila
- Sanitary Sewer: Village of Jonesville
- Storm Sewer: Discharge to St. Joseph River
- Municipal Water: Village of Jonesville

4. Are there any easements at the property?:

Yes  No

If yes, where are the easements located?: Consumers Power easement north side of property

5. To the best of your knowledge, identify if the following were formerly (F) or are currently (C) present on the property. Select NA if not applicable to the property.

<input type="checkbox"/> F ?	C	NA	On-site water supply wells
<input type="checkbox"/> F	C	NA	Septic fields, drain fields, or dry wells
<input type="checkbox"/> F	C	<input type="checkbox"/> NA	Abandoned wells
<input type="checkbox"/> F	C	<input type="checkbox"/> NA	Lagoons, settling ponds
<input type="checkbox"/> F	C	NA	Monitoring wells Temporary wells for Phase II investigation
<input type="checkbox"/> F	C	NA	Underground sumps, lines, basins, or tanks
<input type="checkbox"/> F	C	NA	Aboveground storage tanks (ASTs)
<input type="checkbox"/> F	C	NA	Transformers or capacitors
<input type="checkbox"/> F	C	NA	Other PCB containing equipment
<input type="checkbox"/> F	C	NA	Mines or pits
<input type="checkbox"/> F	C	NA	Hidden chemical materials or wastes
<input type="checkbox"/> F	C	NA	Dumps or landfills
<input type="checkbox"/> F	C	NA	Oil or gas wells or test holes
<input type="checkbox"/> F	C	NA	Unusual fill areas, such as foundry sand, etc.
<input type="checkbox"/> F	C	NA	Barrel or drum storage areas

6. What is the general use of property:

Industrial  Commercial  Residential  Other

7. What products/services are produced/provided at the property?: Currently Vacant, formerly the manufacture of hand tools, primarily screw drivers and nut drivers

8. What type of on-site processes are used at the property?: Currently Vacant, formerly milling and drilling, vapor polishing and black oxide coating

9. What types of equipment are used at the property?: Currently Vacant, formerly presses screw machines, welder, vapor polisher, stenciling and packaging

10. What raw materials are used at the property?: Trichlorethylene in vapor polishing until 2001, lead in plastisol until 2003 and acid and caustics in black oxide operations

11. Are there any environmental permits (e.g. solid waste disposal, hazardous waste disposal, wastewater, NPDES, etc.) associated with the property?:

Yes                       No

If yes, list the applicable permit(s): Hazardous Waste Generator (MID 005 038 609  
Wastewater Discharge Permit to POTW & Stormwater permit to St Joseph River MIDEQ

**Property and Adjoining Properties - Current and Historical Use**

12. Are there any liquid or solid wastes generated at the property?

Yes                       No                       Unknown

If yes, please list the monthly volume generated and explain disposal method: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

13. Is the property or any adjoining property currently used for an industrial use?

Yes                       No                       Unknown

Property  Adjoining

If yes, explain briefly: Not Currently  
 \_\_\_\_\_  
 \_\_\_\_\_

14. Is the property or any adjoining property currently used as a gasoline station, vehicle repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

Yes                       No                       Unknown

Property  Adjoining

If yes, explain briefly: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Please complete the current land use table below:

	<b>Name/Owner</b>	<b>Land Use</b>
Property	<b>Klein Tools, Inc</b>	<b>Vacant, formerly Industrial</b>
North adjoining properties	Unknown	Residential
South adjoining properties	Unknown	Residential
East adjoining properties	Unknown	Commercial & Parking
West adjoining properties		St Joseph River



15. Has the property or any adjoining property been used for an industrial use in the past?

Yes                       No                       Unknown

Property  Adjoining

If yes, explain briefly: Manufacture of Hand Tools

---

16. Has the property or any adjoining property historically been used as a gasoline station, vehicle repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

Yes                       No                       Unknown

Property  Adjoining

If yes, explain briefly: Sinclar Gas Station on the corner of Chicago & Water Street

---

Please complete the historical land use table below:

	Owner	Use	Dates
Previous use of Property			
Previous use of properties to north			
Previous use of properties to south			
Previous use of properties to east			
Previous use of properties to west			

**Current and Historical Property Conditions**

17. Are there currently, or have there been previously, any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals (individual containers greater than 5 gallons or greater than 50 gallons total) stored on or used at the property or at the facility?

Yes                       No                       Unknown

If yes, explain briefly: 55 gallon drums

---

18. Are there currently, or have there been previously, any industrial drums (typically 55-gallon) or sacks of chemicals stored on the property or at the facility?

Yes                       No                       Unknown

If yes, describe the chemicals stored on the property (volume, contents and dates of storage): 55 gallon drums Trichlorethylene, 55 gallon drums acid and caustics, Anhydrous Ammonia in above ground tank, miscellaneous cutting, lube and rust preventative oils

---

19. Have any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried, and/or burned/incinerated on the property?

Yes                       No                       Unknown

If yes, identify the location and date(s): \_\_\_\_\_  
\_\_\_\_\_

20. Are there currently, or have there been previously, any registered or unregistered storage tanks (aboveground or underground) located on the property?

Yes                       No                       Unknown

If yes, identify the location, date(s) of use, and date(s) of removal (if applicable): \_\_\_\_\_  
3 UST's no longer believed to be present, septic tank backfilled and sealed, Sinclair  
Gas station believed to be removed

21. Are there currently, or have there been previously, any vent pipes, fill pipes protruding from the ground, areas of patched concrete or asphalt, or access ways indicating an underground storage tank on the property?

Yes                       No                       Unknown

If yes, identify the location: \_\_\_\_\_  
\_\_\_\_\_

22. Are there transformers, capacitors, or hydraulic equipment on the property?

Yes                       No                       Unknown

If yes, are there any records indicating the presence of PCBs?: 3 transformers were identified  
as PCB contaminated in 1999 and remediated. Retesting in 2000 confirmed transformers  
were no longer contaminated

23. Is there currently, or has there been previously, any stained soil on the property?

Yes                       No                       Unknown

If yes, identify the location of the stained soil and date(s) it was present on the property: \_\_\_\_\_  
\_\_\_\_\_

24. Has fill dirt been brought onto the property that is of unknown origin? Has fill dirt been brought onto the property that originated from a contaminated site?

Yes                       No                       Unknown

If yes, identify the date and location of fill placement: \_\_\_\_\_  
\_\_\_\_\_

25. Are there currently, or have there been previously, any leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the property?

Yes                       No                       Unknown

If yes, identify the location and dates: Typical oil staining of floors and walls, no floor drain staining, occasional sewer gas odors

26. Are there currently, or have there been previously, any pits, ponds, or lagoons associated with waste treatment or disposal located on the property?

Yes                       No                       Unknown

If yes, identify the location and dates: \_\_\_\_\_

27. Excluding storm water and sanitary waste discharge into an existing storm/sanitary sewer, does the property discharge wastewater on or adjacent to the property?

Yes                       No                       Unknown

If yes, describe the type of wastewater and identify discharge location: \_\_\_\_\_

28. If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed applicable guidelines? Has the well been designated as contaminated by any government environmental/health agency?

Yes                       No                       Unknown

If yes, identify the contaminants and dates of exceedances: N/A

**Previously Identified Environmental Conditions**

29. Have you been informed of the current or past existence of hazardous substances, petroleum products, or environmental violations with respect to the property or any facility located on the property?

Yes                       No                       Unknown

If yes, briefly explain: See Prior ESA Phase I and Phase II

30. Do you have any knowledge of any environmental site assessment of the property that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property?

Yes                       No                       Unknown

If yes, briefly explain: Already provided

---

31. If the property is in Michigan, has a Baseline Environmental Assessment (BEA) been prepared for the property?

Yes                       No                       Unknown

If yes, briefly explain: \_\_\_\_\_

---

32. Do you know of any pending, threatened, or past lawsuits or administrative proceedings concerning the release of any hazardous substances or petroleum products involving the property or any facility located on the property?

Yes                       No                       Unknown

If yes, briefly explain: \_\_\_\_\_

---

33. Do you have any knowledge of environmental liens or government notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?

Yes                       No                       Unknown

If yes, briefly explain: \_\_\_\_\_

---

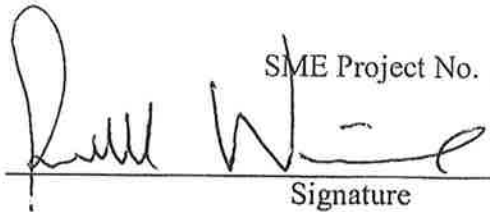
34. Are you aware of any activity and land use limitations (engineering controls or institutional controls/land use restrictions) that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

Yes                       No                       Unknown

If yes, identify limitation/restriction: \_\_\_\_\_

---

SME Project No. GE62255

  
Signature

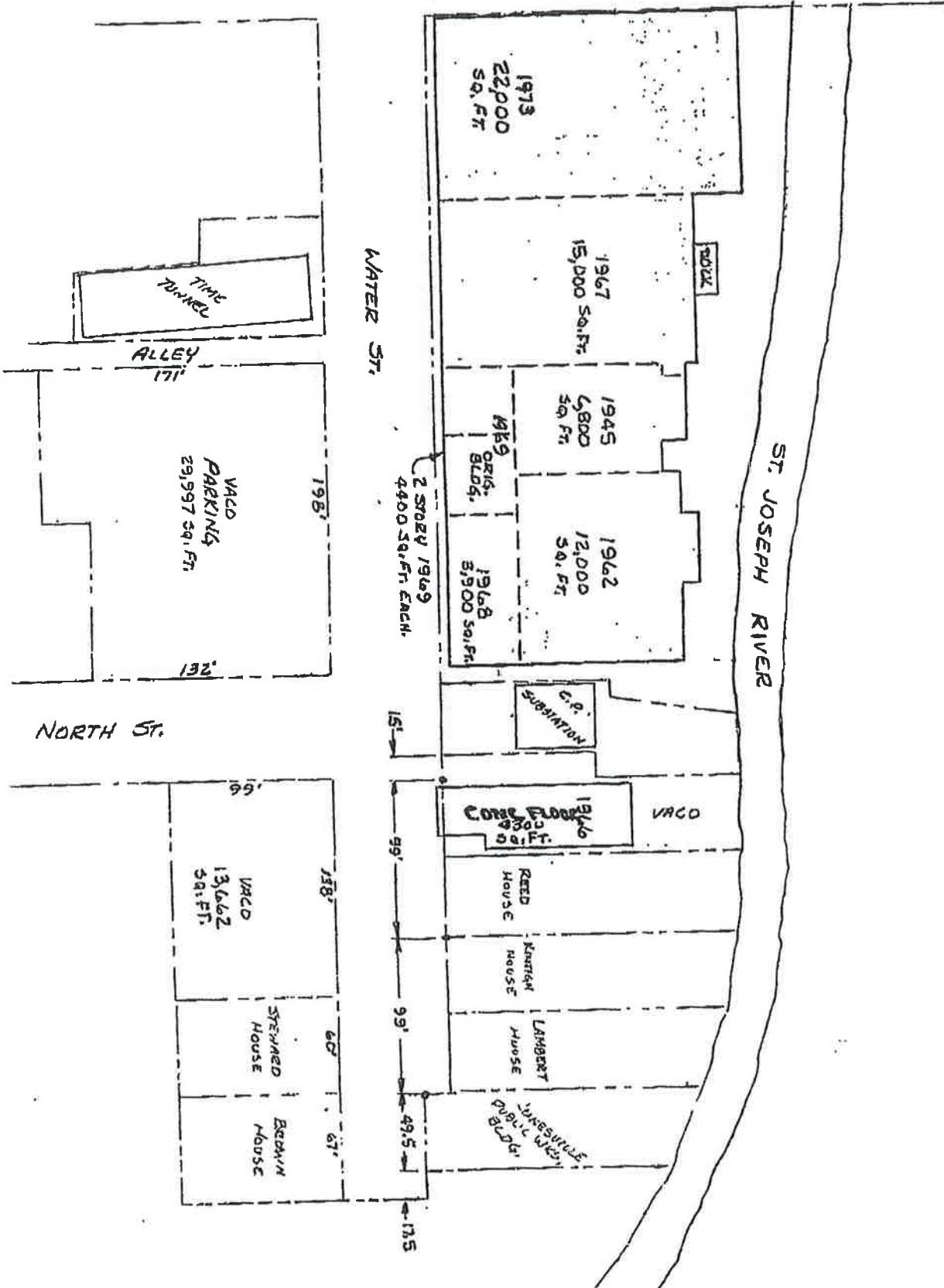
Russell Winnie  
Printed Name

Klein Tools, Inc  
Company

Director, Loss Prevention  
Title

Novmeber, 24, 2010  
Date

CHICAGO ST. (US-12)



ST. JOSEPH RIVER

WATER ST.

NORTH ST.

**APPENDIX F**  
**QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL(S)**

Mr. Egan provides senior technical consulting and project management expertise in the areas of brownfield redevelopment and financing, site investigation and remediation, environmental due diligence, RCRA Corrective Action, environmental regulatory compliance, and environmental chemistry.

**❖ Professional Qualifications:**

- 33 years experience in environmental evaluations and consulting, including 13 years experience with the Ohio Voluntary Action Program (VAP).
- Served as Certified Professional (CP) or principal author for 15 No Further Action (NFA) letters for redevelopment projects that received Covenant Not to Sue Status.
- Obtained approximately \$10 million in Clean Ohio Revitalization Fund (CORF) and Clean Ohio Assistance Fund (COAF) grants for redevelopment projects.
- Successfully prepared a U.S. EPA Brownfield Pilot Project grant application.
- Expert in liability management and due care planning for property transactions, brownfield redevelopment planning and environmental response actions, and identification and acquisition of financial incentives for brownfield redevelopments
- Expert at environmental site investigations and development of remediation alternatives for industrial and commercial facilities, UST sites, and RCRA Corrective Action facilities.

**❖ Representative Project Experience:**

- Successfully prepared the \$2.9 million CORF grant application for Clean Ohio funds to remediate and redevelop a former shingle manufacturing facility in Lockland, Ohio. Funds were used to demolish buildings, remediate impacted soil and install underground utilities. Managed the site investigation, remediation, and redevelopment of the property as well as CORF budgeting and invoicing. Prepared the Phase I and II Property Assessments, Remedial Action Plan, and Remedial Implementation Report.
- Served as the CP for a former asbestos-containing building material manufacturing facility. Prepared a work plan in response to deficiencies contained in a No Further Action Letter prepared by others. The plan addressed trace levels of asbestos in the soil. Recommended and monitored an air sampling plan approved by the State of Ohio. Prepared a revised Phase II Property Assessment, a Property-Specific Risk Assessment, new Executive Summary and Filing Document, and NFA letter for this COAF supported project.
- Served as the CP for a former china manufacturing facility that was redeveloped for commercial and recreational use. The site was heavily impacted with lead requiring remediation of the soil and sediments. Remediation required interagency cooperation between VAP, the Division of Surface Water, Division of Hazardous Waste Management, and the Division of Solid and Infectious Waste. Prepared the Phase I and II Property Assessments, Property-Specific Risk Assessment, Remedial Implementation Report, and the Executive Summary and Filing Document. The project received Covenant Not to Sue status.
- Project manager for the remedial investigation of five Superfund sites in Ohio, Kentucky and California.
- Project manager for underground storage tank sites obtaining No Further Action status for over 50 Ohio sites using a risk-based approach.
- Project manager for over 100 Phase I/II site assessments for due diligence related to property transfers and corporate acquisitions and divestitures in several states.

**❖ Career History:** SME since May, 2010 - Other firms from 1977

**❖ Education:** B.S., Environmental Science, University of Arkansas  
Graduate Studies in Geology, University of Oklahoma

**❖ Registrations:** Certified Professional – State of Ohio VAP Program  
40-Hour HAZWOPER Course



- Served as the CP for a former scrap metal recycling facility now developed for commercial use. This site was heavily impacted with metals and petroleum hydrocarbons requiring remediation of the soil. Prepared a Property-Specific Risk Assessment, Remedial Implementation Report, and the Executive Summary and Filing Document. The project received Covenant Not to Sue status.
- Project manager for all phases of the VAP project at a lead impacted property in Ohio. Developed a sampling strategy, provided oversight of field activities, and prepared Phase I and II Property Assessments and Remedial Implementation Reports. The project received Covenant Not to Sue status and is being transformed into a residential development.
- Managed all phases of the VAP projects at two aircraft parts machining facilities in Cincinnati, Ohio. Project included development of the sampling strategy, oversight of field activities, and preparation of the Phase II Property Assessment and Project-Specific Risk Assessment reports. A Covenant Not to Sue was issued for both properties.
- Managed the VAP assessment of a former linoleum manufacturing facility now developed for residential use. Project included development of the sampling strategy, oversight of field activities, and preparation of the Project-Specific Risk Assessment report. Remediation of this property was driven by residential direct contact and site-specific leaching standards. During the remediation, continually performed cumulative risk analysis and leaching modeling to assess if the current concentrations remaining at the property posed a risk to human receptors and groundwater. This approach prevented unnecessary soil remediation. A Covenant Not to Sue was issued for this property.
- Managed the VAP activities related to redevelopment of a former paper mill. Developed the sampling strategy, provided oversight of field activities, and prepared the Phase II Property Assessment and Project-Specific Risk Assessment reports. The key to the success of this project was development of a site-specific lead leaching standard based on bench scale leachability tests, the first to be approved by OEPA. A Covenant Not to Sue was issued for this site.

Mr. Trent is a Professional Engineer, and an Environmental Professional (EP) as defined by U.S. EPA 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries. Mr. Trent provides brownfield redevelopment consulting; provides environmental due diligence services related to property acquisition; supports hazardous materials surveys and building demolition projects; provides leaking underground storage tank consulting; and assists with liable party issues (e.g., tank removal, groundwater monitoring, remediation).

**❖ Professional Qualifications:**

- Experienced in redevelopment projects involving various environmental, geotechnical, and constructability issues. These projects involve preparing Brownfield Plans and Act 381 Work Plans to secure financing and tax credits for eligible activities; performing Phase I and II Environmental Site Assessments (ESAs); preparing Baseline Environmental Assessments (BEAs) and Due Care Plans; monitoring of on-site construction activities; and cost tracking.
- Experienced in performing subsurface assessments and remedial investigations to delineate the extent of impact, preparing feasibility studies, and assisting with the design of remediation systems and engineering or institutional controls to mitigate environmental concerns.
- Experienced in building renovation or demolition projects involving hazardous materials issues. These projects involve hazardous materials assessments, including asbestos, lead, mercury, PCBs, petroleum products, and biohazards, as well as providing recommendations for proper removal and disposal of these materials.
- Knowledgeable in Michigan Public Act 451 Part 201, Part 211, and Part 213; Act 381 (Brownfield Redevelopment Financing) and Act 146 (Obsolete Property Rehabilitation Act); EPA 40 CFR Part 763, EPA 40 CFR Part 61, OSHA 29 CFR 1910.120, and OSHA 29 CFR 1926.1101.

**❖ Representative Project Experience:**

- Managed U.S. EPA Brownfield Assessment Grant projects for several communities in Michigan, including the City of Lansing and City of Grand Rapids. Activities include: community outreach, community-wide brownfield site inventory; environmental site assessments; and preparation of BEAs, Due Care Plans, Cleanup Plans, and Brownfield Plans.
- Performed comprehensive brownfield redevelopment services for the redevelopment of a former coal-fired power plant in Lansing, Michigan. Work entailed reviewing decades of existing environmental files, identifying data gaps, designing and managing waste characterization and remediation activities (including U.S. EPA Brownfield Assessment and Revolving Loan Fund Grants), preparing multiple BEAs and Due Care Plans, and managing hazardous materials surveys and abatement activities.
- Prepared successful U.S. EPA Brownfield Assessment and Revolving Loan Fund Grant applications for numerous communities.
- Prepared Brownfield Plans, Act 381 Work Plans, and Brownfield MBT Credit applications for brownfield redevelopment projects.

## ***RESUME***

***BRIAN S. TRENT, P.E., LEED-AP***

### **Project Engineer**

- Performed remedial investigations, feasibility studies, remediation design, and remediation oversight at several sites on behalf of the Michigan Department of Environmental and Natural Resources.
- Performed pre-demolition evaluations and demolition oversight for the demolition of approximately 25 commercial and industrial buildings within the City of Detroit, Michigan, on behalf of the Michigan Department of Environmental Quality. Work included inventory and sampling of potentially hazardous materials requiring removal prior to demolition (asbestos, lead, mercury, PCB-containing equipment and materials); preparation of demolition specifications; providing contractor bidding support; contractor management; demolition oversight; and final reporting.
- Performed over 150 Phase I ESAs, Phase II ESAs, BEAs, and Due Care Plans of residential, commercial, and industrial sites. These sites have included manufacturing facilities, gasoline filling stations, automobile repair shops, high-rise commercial buildings, and vacant urban lots. Activities included evaluating environmental issues and providing recommendations for engineering controls and/or evaluating exposure concerns.
- Conducted on-site monitoring during UST removal and remediation activities at gasoline filling stations in Michigan, including on-site soil screening, characterization, landfill coordination, verification of soil remediation (VSR) sampling, and preparation of closure reports.

- ❖ **Career History:** SME since June 2010 - Other firms from 1999
- ❖ **Education:** B.S.E., Civil and Environmental Engineering, University of Michigan (Ann Arbor, Michigan)
- ❖ **Continued Education:** ASTM International Risk-Based Corrective Action Applied at Petroleum Release Sites  
ASFE Fundamentals of Professional Practice (2008)
- ❖ **Certifications:** Professional Engineer –Michigan  
40-Hour HAZWOPER Course (since 1999)  
Leadership in Energy and Environmental Design (LEED)  
Accredited Professional (NC 2.2)
- ❖ **Affiliations:** U.S. Green Building Council-West Michigan Chapter  
Air and Waste Management Association of West Michigan