

WELLHEAD PROTECTION PROGRAM PLAN RENEWAL

Gun Plain Charter
Township
Allegan County, MI
Project # 852980



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WELLHEAD PROTECTION PROGRAM PLAN

EXECUTIVE SUMMARY

Throughout the State of Michigan, areas of polluted groundwater are present in almost every urbanized area. When contamination in groundwater becomes significant, human health and economic activities may be affected. As a result, communities have recognized the need for a systematic approach to groundwater quality management. A Wellhead Protection Program (WHPP) is one approach that develops long-term strategies to protect a community's drinking water supply. The long-term management of groundwater quality is endorsed at both the federal and the state level. Specifically, the Federal Safe Drinking Water Act was amended in 1986 to include wellhead protection. Additionally, the State of Michigan provides financial and technical resources for communities that pursue WHPPs. The Gun Plain Charter Township's WHPP Plan is a "living" document that details action being taken to ensure the long-term integrity of the Township's water supply system.

Gun Plain Township is located in Allegan County, southwestern lower Michigan. The water system for the Township includes two production wells, identified as Well #2 and Well #3. The wells have total capacity of 750 gallons per minute. The Township contracts for the operation and maintenance of the wells and the water distribution system.

In the past, the Township recognized the importance of protecting the wells that supply drinking water to the community. In 2002, the Township selected Fleis & VandenBrink Engineering, Inc. (F&V) to assist in developing a formal WHPP based on guidelines provided by the Michigan Department of Environment, Great Lakes and Energy (EGLE). EGLE has requested that Plans be updated in six-year intervals. In 2014, Gun Plain Charter Township reviewed and revised their WHPP based on the EGLE document "Checklist for Local Wellhead Protection Program Renewal".

Development of the Township's WHPP and subsequent EGLE Program Renewals included public meetings, which were held periodically and as needed from 2002 to 2022. These meetings provided an opportunity for Township residents and elected officials to discuss elements of the WHPP.

The overall goals of the Township's program are included in this WHPP. Previous reports detail the collection of available information on the hydrogeology of the Gun Plain Township area, including the interpretation of numerous depth-to-water measurements and results from aquifer performance testing. The collected information was used to develop a groundwater model that delineated the 10-year groundwater contribution zone for the Township's wellfield. This area is known as the Wellhead Protection Area (WHPA). Detailed explanations of the WHPA delineation and specific options in developing and implementing management strategies were discussed at public meetings during the development and the renewal of the Township's WHPP.

This Plan also identifies sites of environmental contamination listed on state and federal databases and located within the WHPA. Documenting these sites is important for several reasons, including identifying immediate risk to drinking water. This documentation is referred to as a Contaminant Source Inventory.

Collected information was used to analyze the "sensitivity" and determine the "susceptibility" of the Township's drinking water wells to potential sources of contamination. EGLE has defined the aquifer supplying the Township's wells as having "moderate" sensitivity to potential contamination. After review of the Contaminant Source Inventory information included in this Plan, the susceptibility of the wells to impact from identified sources of surface contamination may be determined by EGLE.

Based on the Township's goals and the delineated WHPA, the Township reviewed numerous options to manage the WHPA and surrounding areas. Options reviewed included both regulatory (e.g., ordinances, site review criteria, existing programs) and non-regulatory options (e.g., public education). Options that were considered effective and practical have been implemented or will be considered for future implementation.

I. PURPOSE AND SCOPE

The purpose of the Gun Plain Charter Township WHPP is to protect the Township's public water supply system from contamination. This protection is provided by determining the groundwater areas that contribute to the existing municipal wells. This area is called the WHPA. Once the WHPA is defined, existing and potential sources of groundwater contamination within the area are identified. Finally, methods to manage the WHPA and minimize the threat to existing and future private and municipal water supply wells are considered and implemented, if appropriate.

The Township's WHPP was developed in response to the 1986 Amendments to the Federal Safe Drinking Water Act. Portions of this WHPP are voluntary and are implemented on a local level through coordination of a Wellhead Protection Team (Team) consisting of local, county, and state representatives.

Guidelines have been established for the WHPP by EGLE. The 2014 WHPP developed for Gun Plain Charter Township was based on EGLE guidelines in effect at that time.

Current EGLE WHPP guidelines include the following major elements, which are further detailed in this written WHPP Plan:

- Introduction
- Roles and Responsibilities
- WHPA Delineation
- Contaminant Source Inventory
- WHPA Management Approaches
- Water Supply Emergency Contingency Plan
- Plan for New Wells
- Public Participation, Outreach and Education

II. INTRODUCTION

The purpose of this section includes updating basic information about the public water supply system and the community. The Township is located in Allegan County, southwest Michigan. It is approximately 25 miles north of Kalamazoo along US-131. According to Township records, the 2010 census population of the Township is 5,895.

The lead agency for the WHPP is Gun Plain Charter Township. The Township has been actively pursuing wellhead protection activities since 2002, when a formal delineation study was completed and approved by EGLE in 2003.

The Township's water system is composed of two production wells (PW), 1 elevated storage tank, and a distribution system. The Township's Department of Public Works operates and maintains the entire system. Production Wells PW-2 and PW-3 are located near the western most edge of Lake Doster. The production wells have a total capacity of 750 gallons per minute (gpm) and a firm capacity (capacity with largest production well off-line) of 350 gpm. These are presently the only production wells in service. The Township provides drinking water to 515 customers, indicating a water system population of approximately 1391 (Water System Reliability Study, 2017)

The location of Gun Plain Township's municipal wells and the WHPA are illustrated in Figure 1. Land use within the WHPA is primarily a blend of residential and agricultural. Maps of the Township's WHPA can be obtained by contacting the EGLE Environmental Assistance Center at 800.662.9278 and requesting a Lansing Office WHPP representative.

This written Plan also identifies several known and potential sources of contamination within and near the WHPA. Since a portion of the 10-year delineated WHPA is located in Prairieville Township, the implementation and long-term success of the program will depend on the inter-governmental cooperation of Gun Plain Charter and Prairieville Townships, and on the voluntary assistance of landowners within the WHPA.

This section also identifies the goals for the Township's WHPP. These goals and objectives are intended to develop a successful long-term program to protect Gun Plain Township's drinking water wellfield and to prevent groundwater pollution in the WHPA through public education and cooperative management by local government agencies.

GOAL #1 To protect the public drinking water supply by preventing the pollution of surface and groundwater within the WHPA.

Objective is to maintain a safe drinking water supply and protect the Township's water infrastructure investment by preventing pollution from entering groundwater.

- Methods:
- Define the WHPA
 - Inventory actual and potential contamination within the WHPA
 - Ensure historical wells have been properly abandoned
 - Coordinate WHP activities with county and state agencies

GOAL #2 To instill a sense of ownership of the wellfields and encourage the local community to recognize that wellhead protection is both worthwhile and necessary.

Objective is to develop local awareness and support for wellhead protection.

- Methods:
- Develop educational strategies
 - Notify property owners located near the wellfields

GOAL #3 To clarify the roles and duties of agencies and individuals involved in wellhead protection.

Objective is to develop an effective WHPP.

- Methods:
- Assign municipal staff
 - Identify volunteers to assist with various aspects of the program

GOAL #4 To promote inter-governmental and intra-governmental cooperation to assure protection of the water resources within the WHPA.

Objective is to address groundwater protection on a regional basis.

GOAL #5 To promote the speedy and thorough cleanup of existing contamination within the WHPA.

Objective is to reduce the likelihood of contaminants migrating into the municipal water supply.

- Methods:
- Document known sites of contamination
 - Work with EGLE to promote monitoring cleanup of sites

GOAL #6 To plan and prepare for water supply emergencies.

Objective is to plan to respond to potential natural and man-made events including hazardous material spills, vandalism, power loss, etc.

- Methods:
- Develop program with multiple local and non-local agencies
 - Define program in a written contingency plan

III. ROLES AND RESPONSIBILITIES

The long-term success of the Township's WHPP depends largely on the effectiveness of the Team and the continuing education and awareness of groundwater issues within the local community. Most communities, including WHP Client, have interested citizens and uniquely qualified individuals who have lived in the area for years and can contribute greatly to the long-term success of the WHPP.

Gun Plain Township's Team represents the "stakeholders" of the community. Members of the Team have provided input and guidance throughout the WHPP planning process. The Team also reflects the reality that the groundwater reaching the existing municipal wells does not recognize municipal boundaries, and a cooperative effort with other communities in the area is necessary to effectively manage land use and development within the WHPA.

Current Team members, their contact information and other key WHPP organizations are listed in Attachment A. Since the previous Plan was implemented in 2014, new organizations or agencies have not become involved. Additional intergovernmental agreements or memoranda have not been implemented or updated. Below are some of the Roles and Responsibilities of each team member.

Michael VanDenBerg, Township Supervisor—The Township Supervisor has the primary role of supporting and guiding the local WHPP, including:

- Provide input during Plan renewal reviews.
- Support of the implementation of the WHPP Plan.
- Promote the importance of the local program to Board members, staff, and other key officials
- Facilitate WHPP Plan six year updates.
- Participate in communication with emergency personnel that may be involved in the emergency response planning process .
- Coordinate new well planning process.
- Coordinate the Contaminant Source Inventory review process.
- Work with key individuals to implement the Wellhead Protection Area Management Schedule.
- Work with key individuals to implement the Public Participation, Outreach and Education Schedule.
- Annually work with the County Road Commission and the Michigan Department of Transportation (MDOT) to encourage their consideration of road salt and sand application within the Township, especially within the WHPA .
- Assist inspectors, builders, and earth moving contractors generating awareness of environmentally incompatible land activities or materials handling practices.

Rico Liceaga, Director of Municipal Operations—The Director of Municipal Operations is the State Operator in Charge for the Township's water system and has several important roles, including:

- Provide input during Plan renewal reviews.
- Lead in communication with emergency personnel that may be involved in the emergency response planning process.
- Be available for assistance to implement the Wellhead Protection Area Public Participation, Outreach and Education Schedule.

Robert Nieuwenhuis, Neighboring Community (City of Plainwell DPW Superintendent)—The Neighboring Community representative role includes:

- Provide input during Plan renewal reviews.
- Participate in communication with emergency personnel that may be involved in the emergency response planning process.
- Consider opportunities to combine or coordinate WHP efforts of the Township with those of the City.

Lynn R Lee, Local Planning Commission Member—The local planning commission member role includes:

- Provide input during Plan renewal reviews.
- Advocating for consideration of WHP on various Township Planning Commission activities, such as Master Planning and communicating to residents the importance of wellhead protection.

Kris Currier, Local Business Manager—The local business manager role includes:

- Provide input during Plan renewal reviews.
- Assist with developing effective methods to educate business leaders within the community on source water protection.
- Assist with Contaminant Source Inventory.
- Assist with Public Participation, Outreach, and Education initiatives.
- Assist with identifying opportunities to discuss with owners of hazardous materials located within the WHPA the importance of storage that is protective of groundwater.

Jenann Pearson, Local Resident—Local resident roles may include:

- Provide input during Plan renewal reviews.
- Educate others within the community about the importance of source water protection.
- Assist with Contaminant Source Inventory.
- Assist with Public Participation, Outreach, and Education initiatives.

Brian Rice, Senior Project Manager—The Senior Project Manager from F&V roles include:

- Provide input during Plan renewal reviews.
- Assist the Township with the update of the WHPP Plan every six years.
- Assist the Township with the implementation of all WHPP elements along with providing expertise, guidance, and assistance with funding mechanisms for source water protection.
- Serves as a liaison between EGLE and the Township and has worked with representatives and WHPP initiatives on the local, state and national levels.

IV. WELLHEAD PROTECTION AREA DELINEATION

The purpose of this section is to update information about the WHPA. The Federal Safe Drinking Water Act defines a WHPA as “...*the surface and subsurface area surrounding a water well or wellfield, supplying a public water system, through which contaminants are reasonably likely to move towards and reach such water well or wellfield*”. The entire WHPP is based on the results of this key element.

Between 2002 and 2003, Gun Plain Charter Township completed a hydrogeological study to identify groundwater areas that move towards and reach the City’s water supply wells. The study was documented in a report titled, “ Gun Plain Charter Township Wellhead Protection Area Delineation Report”, dated 2003 (Report) The study included reviewing existing background information on the regional geologic formations, surveying groundwater elevations to determine groundwater gradients and directions of flow and conducting an aquifer pump test and analysis. Computerized groundwater flow modeling and particle tracking was used to delineate the groundwater area surrounding the municipal wellfield through which contaminants could reasonably move towards and reach the municipal wellfields. The Report also includes the methodology used to develop the WHPA including maps, figures, and geological cross-sections used for the modeling. Since 2003, new geological data that will have a material impact on the current delineation have not been identified. Changes in well usage or flow rates in the current WHPA that would have a material impact on the WHPA (e.g., well abandonment, new high-volume private wells, etc.) have not been identified.

The WHPA delineation for Gun Plain Charter Township is illustrated in Figure 1. The EGLE guidelines for establishing a WHPA are based on a groundwater time of travel of 10 years. This means that the area delineated for the WHPP needs to encompass groundwater areas that contribute to the Township’s wellfields at a distance of 10 years’ groundwater travel time. A 10-year time of travel is used to provide a reasonable length of time for addressing environmental problems within the WHPA, while limiting the size to an area which can be reasonably managed by the Township’s existing water operations, land planning and zoning ordinances.

A. UPDATES SINCE PRIOR WHPP PLAN APPROVAL IN 2014

Since the original delineation, additional production wells have not been added to the Township's water system.

V. CONTAMINANT SOURCE INVENTORY

The goal of this element is to identify existing and potential sources of contamination within the previously determined WHPA. Contamination has several possible pathways to reach groundwater including direct spills, interior floor drains which discharge into the ground, septic systems, leaking underground storage tanks, storm water runoff, or dry and abandoned wells. In certain hydrogeologic settings, even very small amounts of a hazardous substance can contaminate large areas of groundwater.

The Federal Safe Drinking Water Act also requires that a WHPP "...will identify within each wellhead protection area all potential anthropogenic sources of contaminants which may have any adverse effect on the health of persons". An anthropogenic source is any activity performed by or caused by human actions that is, or potentially could be, a source of contamination to groundwater, including human actions affecting natural contaminants. The releases can be either from *point* sources, such as leaking tanks or impoundments, or from *non-point* sources, such as the application of agricultural chemicals or releases from areas containing septic tank/leach field systems.

A contaminant is defined in this WHPP as an organic, inorganic or microbiological substance that is regulated under federal, state or local environmental programs.

Applicable federal and state-related environmental laws and hazardous material regulations to control the use of potential contaminants generally include the Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response Compensation and Liability Act (CERCLA or "Superfund"), Safe Drinking Water Act (SDWA), Clean Water Act (CWA), Toxic Substances Control Act (TSCA), and the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Although these regulations have imposed controls on a wide range of industries and hazardous material treatment, storage and disposal practices, they tend to focus primarily on the larger manufacturing industries which manage the majority of hazardous wastes and hazardous materials in this country. Other smaller industries and businesses are not as stringently controlled (if controlled at all) due to the focus on industries that manage wastes or materials above a threshold amount or because the materials managed by the smaller industries are not considered "hazardous". As a result, materials and wastes that are not generally regarded or regulated as "hazardous" still have the potential to contaminate groundwater supplies.

Identifying the location and types of potential sources of contamination is essential in the development and implementation of effective management and public education strategies within the local WHPP. Potential sources of contamination within the vicinity of the WHPA are illustrated in Figure 2.

A. CATEGORIES OF POTENTIAL CONTAMINATION SOURCES

As part of this WHPP, categories of sources or activities having the potential to contaminate groundwater are provided in Attachment B. The table is intended to provide a general overview of environmental risks associated with various activities. The categories have been grouped according to the type of activity (e.g., agricultural, residential, governmental, commercial, and industrial) with which the source is commonly associated. The type(s) of contaminant(s) commonly associated with the various types of sources and the relative risk to groundwater quality are also provided.

B. CONTAMINANT SOURCE INVENTORY PROCESS

An initial inventory was completed in 2003. The purpose of this inventory was to develop and confirm a list of existing and potential sources of contamination within the WHPA.

The inventory was last updated in 2014. The identification of existing sources of contamination has been compiled using information from various agencies including those listed below:

- Sites of Environmental Contamination (201 sites), Remediation and Redevelopment Division (RRD), EGLE (Part 201 of Act 451)

- Underground Storage Tank List, Waste and Hazardous Materials Division, EGLE (Part 211 of Act 451)
- Leaking Underground Storage Tank Sites, Remediation and Redevelopment Division, EGLE (Part 213 of Act 451)
- Oil & Gas Contamination Sites, Geological and Land Management Division, EGLE (Act 61)
- Hazardous Waste Generators, Waste and Hazardous Materials Division, EGLE (Part 111 of Act 451)
- Groundwater Discharge Permits, Water Bureau, EGLE (Part 31 of Act 451)
- Landfill/Solid Waste Disposal Site List, Waste and Hazardous Materials Division, EGLE (Part 115 of Act 451)
- Federal National Priorities List EPA, Region 5 (CERCLA and Superfund)
- Other sites of concern identified by the Team

For this WHPP, *'existing'* sources are those which are known to have caused or threaten to cause groundwater contamination; regulatory agencies may have information pertaining to existing sources. *'Potential'* sources are those which may or may not have caused groundwater contamination but have the potential to do so; regulatory agencies may or may not have knowledge and/or information available relating to potential sources. F&V used the services of Environmental Data Resources (EDR) to search various databases for environmental information for the WHPA. F&V reviewed the information with the Team to check for discrepancies and obtain local information about the sites identified by EDR. F&V also reviewed the Michigan Environmental Mapper. A copy of information used for the inventory and identified sites are included in Attachment C.

C. TRANSPORTATION ROUTES

Transportation routes represent areas with the potential for transient hazardous substances. Interstate highways or railways, which are often primary routes for the transportation of hazardous substances, are not present in the Township's WHPA. The Wellhead Protection Team recognizes that groundwater quality degradation may occur as the result of significant and sudden releases or spills of hazardous or polluting materials during transit within the Township.

D. SURFACE WATER SOURCES

The Township is centrally located in the Kalamazoo River watershed, with several communities located upstream including Battle Creek and Marshall. Lake Doster lies in the eastern portion of the Township and occupies a large percentage of the central portion of the wellhead protection area. Silver Creek also runs through the southern and eastern portion of the WHPA. All of these surface water bodies are connected to the Kalamazoo River.

Surface water quality degradation can occur through both non-point and point source discharges. Groundwater quality degradation may occur when surface water of lesser quality recharges the aquifer by means of infiltration through the streambed.

With point source discharges, the contaminant threat is dependent on the volume of the release, chemical/physical properties of the contaminant and surface water velocity.

Non-point source contaminants are usually seasonally derived, resulting from the release of fertilizer and pesticide applications in agricultural portions of the watershed and/or storm water runoff from urban areas.

It is important to note that groundwater/surface water interactions in lake and river/creek systems are often complex and are transient in nature. Because these two resources are connected, groundwater can be impacted by contaminants released to surface water and vice versa.

E. ABANDONED WELLS

Abandoned wells can pose a threat to groundwater. Wells that are not properly closed can provide a direct conduit for surface run-off and contaminants to easily reach the groundwater. Abandoned wells may be from oil and gas drilling, water wells, irrigation wells, or dry wells.

As part of the Contaminant Source Inventory completed for the Township's Wellhead Protection Program, EGLE Geological Survey Division was contacted for records of contaminated oil and gas wells or listed

contamination sites within Gun Plain Charter Township area. While EGLE records indicated mineral leases within the WHPA, no active or abandoned wells, or “dry holes” (a well used for oil and gas exploration and not associated with production) within the Township’s WHPA.

The Township is also considering abandoning wells located in the municipal wellfield and used for various water tests.

F. HAZARDOUS PIPELINES

Hazardous pipeline failures have resulted in surface and groundwater becoming contaminated in several states, including Michigan.

Based on records publicly available through the U.S. Department of Transportation's Pipeline and Hazardous Material Safety Administration natural gas, petroleum, and other hazardous material pipelines in the Township’s WHPA were not identified. A natural gas transmission pipeline operated by Consumers Energy Co. is located in Plainwell outside of the WHPA.

G. SENSITIVITY ANALYSIS

The 1996 amendments to the Federal Safe Drinking Water Act requires that states analyze the “sensitivity” and determine “susceptibility” of a community’s source of drinking water to potential sources of contamination.

Sensitivity is determined from the natural setting of the source water (raw water to the Township’s wells), and indicates natural protection afforded the source water. As documented by EGLE in 2003, information from the WHPA delineation indicates that the aquifer from which the Township’s wells obtain groundwater is “leaky-confined.” Leaky-confined aquifers are geologically categorized as “moderate”, meaning that polluting materials spilled on the ground surface are not significantly prevented from vertical migration by one or more geologic confining layers located above the aquifer.

H. SUSCEPTIBILITY DETERMINATION

Susceptibility identifies factors within the community’s WHPA that may pose a risk to the water supply. Categories of susceptibility determination are on a seven-tiered scale from “very-low” to “very-high”. The susceptibility determination provides indications of which statewide WHPAs should be given greater priority and oversight in implementing a WHPP. After review of the 2014 Contaminant Source Inventory, EGLE determined the susceptibility rating of the Township’s WHPA to be “Low”.

When considering sensitivity and susceptibility, it is important to understand that a system can have low sensitivity relative to some conditions (e.g., wells located a significant distance from potential contamination sources) and high susceptibility because of other conditions (e.g., the type of contaminant).

I. CONTAMINANT SOURCE INVENTORY MAINTENANCE

All data management systems require periodic maintenance. Data maintenance for the Township’s Contaminant Source Inventory was initiated when the preliminary list of sites was compiled. Specifically, the preliminary site names and mapped locations were confirmed by members of the Team.

VI. WELLHEAD PROTECTION AREA MANAGEMENT

The goal of this element is to provide mechanisms which will prevent existing and potential sources of contamination from reaching the community drinking water supply wells. The WHPP Plan Renewal included review of the initial management strategies and discussion of their effectiveness. Additionally, the Plan Renewal included review of other potential management activities that the Township could pursue.

In developing the initial management strategies for the Township's original WHPP, it was acknowledged that it is highly improbable that all risks within the WHPA can be eliminated but, by applying one or more management tools, the likelihood of groundwater contamination impacting the municipal water supply in the future can be reduced. Some management strategies to protect the drinking water supply that are required under Michigan law are not described in this WHPP.

The 2022 review of management options included current concepts, thoughts, and experiences from both Michigan and other nearby states and communities as well as past experience from Team members. The Team acknowledges that the Township will continue to rely on a historically and proven reliable system of mandatory federal, state and county groundwater and well operation requirements. Going forward, the Team has attempted to develop management strategies that can be both effective and measured. Management strategies that have been implemented previously, along with those that will be pursued in the future are discussed on the WHPA Management Schedule. Management strategies that the Township has pursued are included in Attachment D.

WELLHEAD PROTECTION AREA MANAGEMENT SCHEDULE

Activity	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
#1 - Wellhead / planning commission meeting	Keep the WHPP Team members and Planning Commission members in contact and aware of the WHPP Plan; especially the management options such as the Environmental Permit Checklist.	Hold an annual joint meeting with the WHPP team members and the Planning Commission.	Meeting minutes, activities and information discussed.	By 2023 and then Annually
#2 - Consider expanded chemical monitoring at the wellhead	Monitor water quality in response to known sites of contamination.	Monitor and track trends of certain indicators of contamination.	Sampling events and response to contamination.	Ongoing
#3 - Contaminant Source Inventory – Review and Update within the 6 year plan renewal	Address new sites and changes in the status of existing sites.	Maintain an inventory that is regularly updated.	Updates to inventory.	2022 and then in 6 years
#4 - Private Well Permitting and Abandonment – Contact the Health Department Sanitarian	To review the WHPA and the importance of managing permits of wells within the WHPA.	Identify and plug historical and pending abandoned wells.	Number of on-site wells plugged.	By 2022 and then Annually
#5 - Zoning and Site Plans – Conduct Site Plan Reviews	Consider the relationship between new developments which include drainage or water and the WHPA .	Improve storm water management, water retention, and hazardous materials handling and storage in the WHPA.	Reviews conducted.	Ongoing
#6 - Site Plan Review Environmental Permit Checklist	Review options to incorporate a Checklist into the Township's Site Plan Review process.	Create a process that allows non-technical reviewers to identify potential water quality risks associated with activities from permit requests.	Reviews conducted which include the WHPA map.	Ongoing

Activity	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
#7 - Incorporate WHP into other Township planning	Members of WHP Team participate in Township planning activities.	Connect principles of WHP by including them in various Township plans, such as Master Plans, and Recreation Plans .	Adopted plans that reference WHP.	Ongoing
#8 - Review the Emergency Response Plan annually	Keep the Emergency Response Plan information and contacts up to date.	Keep Emergency Response Plan up to date and to make staff aware of procedures and contacts specific to responses within the WHPA.	Annual report added to the Emergency Response Plan listing date of review and changes or updates to the Plan.	Ongoing
#9 - Annually contact the County Drain Commissioner	Update each other on ordinances, contaminated sites, and storm water management as they pertain to the WHPP.	Keep Interagency Partners up to date with activities and events occurring in the wellhead protection areas.	Meeting minutes, activities and information discussed.	Ongoing
#10 - Annually contact the County Health Sanitarian	Update each other on ordinances, contaminated sites, cleanup events and wells as they pertain to the WHPP.	Keep Interagency Partners up to date with activities and events occurring in the wellhead protection areas.	Meeting minutes, activities and information discussed.	Ongoing
#11 - Annually contact EGLE Remediation and Redevelopment District staff	Update each other on ordinances, contaminated sites, cleanup events and wells as they pertain to the WHPP.	Keep Interagency Partners up to date with activities and events occurring in the wellhead protection areas.	Meeting minutes, activities and information discussed.	Ongoing

VII. WATER SUPPLY EMERGENCY CONTINGENCY PLAN

The goal of this element of the Plan is to provide both short-term and long-term protection of the Township's water supply system by identification of personnel, testing equipment, procedures, and materials which can be used for rapid correction or elimination of environmental accidents which might constitute a water supply emergency. The contingency plan also addresses response protocols, notification procedures and methods of containment. The Township's Emergency Response Plan is included as Attachment E.

The existing contingency plan outlines the program for the rapid correction or mitigation of water supply emergencies. It contains an inventory of necessary stand-by personnel, equipment, chemicals, and other materials readily available for the correction of water supply problems, including emergency measures in the event of contamination of the municipal wells from an emergency spill within the WHPA. The means of notification of customers affected by an emergency is also provided, along with a description of the precautions and measures to be taken to protect the health of the affected system's water customers.

Township leaders understand that response to contaminated wells is not limited to technical measures. Indeed, when a municipal well becomes contaminated, it becomes a technical problem requiring professional knowledge of hydrogeology, engineering and other disciplines. Additionally, financial, legal, public relations and risk assessment problems may occur. Often, the initial public questions include:

- What is the current water quality?
- What is the source of the contaminants?
- What are the effects of past water usage?
- What action is being taken?

When municipal wells become contaminated, it is usually a surprise. This is especially true for wells located in a Wellhead Protection community. While it is unlikely that any plan will prevent an adverse response from the Township's water customers, this WHPP Plan suggests:

- Inform residents of the truth as soon as it is known.
- Inform residents immediately upon confirmation of contaminants in the water supply.
- Continue to inform residents of activities being undertaken.

If the wells become contaminated, EGLE would likely require that the Township immediately initiate activities to provide either a treated water system or a new water supply. Once contamination is discovered, action may need to be taken before bonds or loans become available to address infrastructure needs.

If the wells become contaminated, an invaluable resource would include a previously established, consistent and strong public education program. Such a program would likely provide Township officials with the "benefit of the doubt" when explaining cleanup concentration goals, how clean is clean, projected schedules, costs and funding.

Two parts of the long-term contingency planning for the Township will be based on the results of the Contaminant Source Inventory. First of all, the Township may initiate a system of self-monitoring for certain contaminants that have been identified near the wells. Specifically, the Township may sample for certain contaminants at a greater frequency than required by state law. The frequency and tests will be determined upon review of available files from a contaminated site. Secondly, future updates to the Contaminant Source Inventory may identify other chemicals that should be tested for more frequently than required by law. The Township will work closely with environmental professionals (state, county, and private) to evaluate cost/benefit relationships of any testing beyond what is already completed by the Township.

Through the WHPP Renewal process, the Township discussed the importance of training new staff. In addition to encouraging new operators to obtain water licensing, the Township also requires that they attend trainings to earn continuing education credits. It is also important that new employees understand the importance of the WHPP Plan and WHPA. In the event of an emergency, employees should know how to respond.

Since the Plan was last updated, the Township has not encountered any water supply emergencies. Prior to the last update the Township has encountered water supply emergencies. Those emergencies have been discussed at the previous Team meetings and include:

- Response to boil water advisory 2014

VIII. PLAN FOR NEW WELLS

The goal of this element is to provide a mechanism for incorporating new wells or wellfields into the WHPP. In the future, the Township may find it necessary to install new wells as a result of existing or projected increased water demand. Aging wells/infrastructure, or as the result of a contamination threat, to explore the development of additional groundwater sources for drinking water. The Township Maximum Daily Demand of 215 gpm (based on 2012-2016 pumping records) and capacity is below EGLE's guidelines to begin the process of increasing firm capacity. EGLE recommends that communities plan to increase supply when maximum day demand reaches 80% of firm capacity. When a new capacity is needed, wellhead protection provides a mechanism that can be used to help select the best site and to identify areas that should be protected now so they will be able to provide quality drinking water in the future when they are needed. Additionally, it should be realized that the development of a new groundwater source in the vicinity of existing sources, PW-2 and PW-3, may modify the movement of groundwater in the subsurface, perhaps changing the shape and orientation of the existing WHPA. Evaluation of the significance of those changes is necessary in order to ensure that the management strategy in place will continue to protect the community's drinking water supply.

Generally, the Township will increase source capacity using a phased approach to conduct well site selection and to then conduct site-specific testing to evaluate potential sites. The phased approach will allow the Township to evaluate and address the many technical, operational, geological, WHPP elements and financial factors involved in selecting potential well sites.

Township representatives, Township Engineer, EGLE engineers, County Health Department, and WHPP Team members would be involved in the site selection process. If needed, a review of EGLE files of known sources of contamination in potential locations or WHPAs of a new well is encouraged. Additionally, utilizing the State of Michigan Water Withdrawal Assessment Tool to determine areas that are not favorable for groundwater exploration because they may result in an Adverse Resource Impact (ARI) may be helpful.

Based on the initial results and the Township's schedule for constructing a new Type I water supply well, additional investigations will proceed on a timeframe that will be established by the Township. The additional investigations will include field testing to confirm water quantity and quality at one or more preferred future well locations.

IX. PUBLIC PARTICIPATION, OUTREACH AND EDUCATION

The goal of this element is to provide mechanisms for public participation and outreach regarding the Township's WHPP. The WHPP Plan Renewal included a review of the initial strategies and discussion of their effectiveness. Additionally, the Plan Renewal included review of other outreach and education activities identified by EGLE in their WHPP Renewal guidance or otherwise presented to the WHPP Team by F&V.

In developing the initial strategies for the Township's original WHPP, an emphasis was placed on selecting activities that would raise awareness of the Township's groundwater resources and also reduce the likelihood of existing and potential sources of contamination from reaching the community's drinking water supply wells. Some outreach strategies to protect the drinking water supply that are required under Michigan law are not described in this WHPP.

Several strategies that the Township practiced previously were reviewed by the Team in 2014 as part of the WHPP update. The Team was assigned the lead responsibility to recommend what specific strategies, if any, should be presented to the Township Council for further consideration.

During the last update, the Township implemented several management strategies for drinking water protection. They reviewed and reconsidered strategies to reflect current concepts, thoughts, and experiences from both Michigan and other nearby states and communities. Additionally, the Team reviewed and reconsidered strategies that were selected in the past. Educational initiatives that have been pursued in the past, along with those that the Township plans to pursue in the future are included in the Public Participation, Outreach and Education Schedule. Examples of educational activities that the Township has pursued in the past are included in Attachment F.

Public Participation, Outreach and Education Schedule

Action	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
#1 - Awareness – Road Signs	Inform transporters as to the location of the WHPA in case of a spill or major accident; or, place signs in visible areas to create local awareness of the WHPP.	Raise WHPP Awareness.	Installed and maintained WHPA signs along major roads entering or crossing the WHPA or in spots where signs may be.	2011
#2 - Awareness – Hazardous Waste Collection	Coordinate annual county hazardous materials recycling events within the Township.	Reduce uncontrolled disposal of hazardous materials.	Number of collection events.	Twice annually
#3 - Information Distribution – Informational Publications available at Township Buildings	Have publications that discuss WHPP available to the public at Township Buildings such as the local library.	Educate the public on the importance of the WHPP.	WHPP brochures available in Township Hall every other year.	Since 2004 and ongoing
#4 - Information Distribution – Website and/or Social Media	Distribute information about the WHPP tailored towards specific groups such as existing customers, prospective new customers, and children. Present a rotating selection of Public Service Announcement videos.	Inform the general public visiting the website of the WHPP or place information on social media page.	The presence of the WHPP information on the website or social media.	2022
#5 - Information Distribution – Consumer Confidence Report	Provide WHPP information in the CCR.	Educate the water consumers on the water they use including wellhead protection.	The number of CCRs distributed	2023
#6 - Information Distribution – Newsletters and/or Newspaper Publications	Distribute general information about the WHPP to residents	Publish various WHPP informational pieces in the local newsletter	Continual WHPP language in township newsletter.	Since 2004 periodically, Annually starting 2023

X. SELECT REFERENCES

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- Wisconsin Geological and Natural History Survey (1987). A Guide to Groundwater Quality Planning and Management for Local Governments.
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GLOSSARY OF TERMS

Aquifer

Permeable geologic material, such as rock, sand, or gravel, which contains water in sufficient quantities to supply a well.

Confined Aquifer

1) An aquifer overlain and underlain by impermeable layers, such as clay; or 2) an aquifer in which the groundwater is under pressure greater than atmospheric pressure and which will rise in a well above the point at which it is first encountered.

Critical Materials

Substances that are listed in Michigan's "Critical Materials Register". The Register is a list of chemicals of high environmental concern. Facilities that store critical materials on site must submit a pollution incident prevention plan to the State, and they must provide secondary containment for the materials.

Groundwater Impact/Contamination

The result of the spillage or discharge of hazardous substances or polluting materials into an aquifer.

Delineation

The mapping out of the area through which groundwater moves to reach a drinking water supply well(s).

Environmental Regulations

State environmental laws have been codified into one Act, the Natural Resources and Environmental Protection Act (Act 451 of 1994) (NREPA). The following "parts" deal directly with groundwater protection:

Part 201 of NREPA, Environmental Remediation Section

The State's own "Superfund" law, this section oversees the cleanup of contaminated sites in Michigan. The section also provides for the listing and prioritization of contaminated sites.

Part 111 of NREPA, Hazardous Waste Management

Regulates the storage, treatment, and disposal of hazardous waste. Requires permits for facilities that store, treat, or dispose of hazardous waste. Those that generate more than 1000 kilograms/month of hazardous waste are termed "large quantity generators" (LQG). These generators must report their waste generation to the State and to the EPA, provide secondary containment for liquid wastes, and prepare emergency plans. Those generating between 100 and 1000 kilograms/month are termed "small quantity generators" (SQG). These generators must report their waste generation to the State and the EPA. Those generating under 100 kilograms/month are "conditionally-exempt small quantity generators." They must keep records of their operations.

Part 111 also regulates the siting and operation of hazardous waste landfills.

Part 115 of NREPA, Solid Waste Management

Regulates the siting and operation of solid waste landfills.

Part 31 of NREPA, Water Resources Protection

Mandates the protection and conservation of the water resources of the State, including groundwater. Regulates discharges of pollution to ground and surface water. Requires facilities handling "critical materials" to prepare spill response plans and to provide secondary containment. Requires facilities discharging polluting materials to the groundwater (through floor drains or otherwise) to obtain a groundwater discharge permit. Regulates sanitary wastewater discharges of over 10,000 gallons per day.

Part 615 of NREPA, Supervisor of Wells

Regulates the drilling and operation of oil and gas wells, and the disposal of wastes created from such operations. Well drilling, operation, closure, and waste disposal must be carried out so that damage of fresh water supplies is prevented.

Part 211 of NREPA, Underground Storage Tank Regulations

Requires annual registration of underground storage tanks and compliance with leak detection requirements. Regulates response to discovered leaking tanks.

Part 83 of NREPA, Pesticide Control

Regulates the use of pesticides for agricultural uses.

State laws not codified into NREPA:

Public Health Code (Act 368 of 1978)

Regulates construction of private water wells. Part 127 requires that wells that are abandoned be properly plugged to prevent contamination.

Michigan Safe Drinking Water Act (Act 399)

Provides for the supervision and control of public water supplies and public health protection.

Relevant Federal laws:

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

Often called the "Superfund Act," it oversees and funds cleanup of contaminated sites.

Underground Injection Control Program

Regulates the underground injection of toxic waste. Hazardous waste operators injecting waste into wells must obtain a permit from the EPA.

Safe Drinking Water Act (SDWA)

A federal Act designed to protect drinking water. 1986 amendments require states to develop wellhead protection plans "to protect wellhead areas within their jurisdiction from contaminants which may have any adverse effects on the health of persons."

Superfund Amendments and Reauthorization Act (SARA), Title III, Community Right-to-Know

Requires facilities using certain amounts of hazardous substances to report their usage to the EPA and to the State. Facilities meeting certain criteria must also prepare emergency response plans.

Fire Fighter Right to Know Program

Requires Fire Fighters to survey and inspect all facilities in their community that handle hazardous substances.

Freedom of Information Act

States that all information gathered by public agencies must be made available to the public upon request.

Groundwater

Freshwater that fills the spaces between sand, gravel, and clay underground.

Hazardous Substance

A chemical or other material that is or may become injurious to the public health, safety, or welfare, or to the environment. You can find hazardous substances in small and large businesses, farms, and households.

Household Hazardous Waste

Products used in the household or home garage that, when used, stored, or disposed of improperly, may pose a threat of contamination to the environment.

Hydrogeology

The study of water and geology, and how the two interact.

Hydrogeologist

A person who studies hydrogeology.

Leaky Confined Aquifer

An aquifer that has a confining layer of clay over it that is noncontiguous, allowing for some recharge ("leakage") from the surface.

Secondary Containment

Providing a kind of structure around a storage tank or container so that, if there is a spill, the substance will be contained.

Site of Environmental Contamination

Sites where leakage, spillage, or other discharge of hazardous substances has contaminated the groundwater or soil; and that the State has placed on its list of contaminated sites, under the Environmental Remediation Section (Part 201) of the Natural Resources Environmental Protection Act, PA 451.

Superfund Site

A site listed as contaminated under the Federal Superfund law.

Topographic Maps

Maps produced by the U.S. Geological Survey that show roads, lakes, streams, wetlands, developed areas, municipal boundaries, elevation contours, and other features at a scale of 1:24,000.

Tritium

An isotope of water (a water molecule that has three hydrogen atoms instead of two). Atmospheric testing of nuclear weapons in the 1950s caused tritium levels in water supplies to increase. (Don't worry! Tritium is a harmless substance). Hydrogeologists test the level of tritium in water to measure the age of the water.

Unconfined Aquifer

An aquifer with the water table as its upper boundary. Because the aquifer is not under pressure, the water level in a well is the same as the water table outside the well.

Underground Injection Wells

Wells into which treated water and/or other wastes are injected for disposal.

Underground Storage Tanks

Tanks under the surface of the ground in which gasoline, fuel oil, and other substances are stored.

Water Table

The top of an unconfined aquifer where water pressure is equal to atmospheric pressure. The water table depth fluctuates with climate conditions on the land surface above and is usually gently curved, following a subdued version of the land surface topography.

Well Logs

Records that well drillers complete when they drill a residential or public drinking water well. Well logs contain information such as depth to water table, lithology, the type of well constructed, and the depth of the well.

Wellhead

The physical structure at the land surface through which groundwater is withdrawn from an aquifer.

Wellhead Protection Area (WHPA)

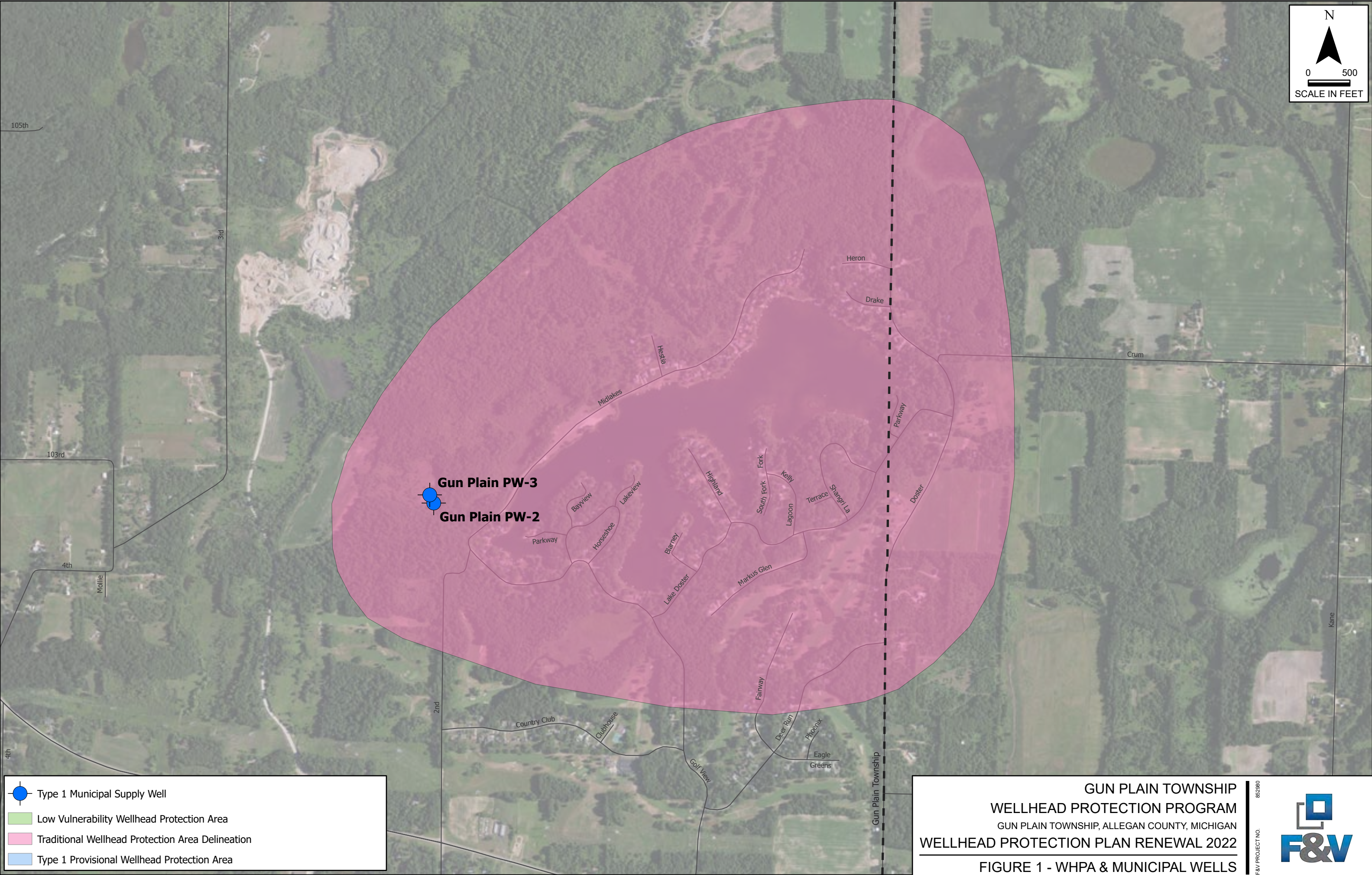
The surface and subsurface area surrounding a water well or wellfield through which contaminants are reasonably likely to move toward and reach such well or wellfield. The WHPA is the "catchment area" of concern for public water supplies dependent on groundwater.


Wellhead Protection Plan (WHPP)

A plan developed by a community operating a public well water supply system that details how the community will work to protect their wells from contamination.


Adopted from: "*Wellhead Protection Community Guide*" Huron River Watershed Council, February, 1997 pg. 171 - 176.

FIGURES







Type 1 Municipal Supply Well



Low Vulnerability Wellhead Protection Area



Traditional Wellhead Protection Area Delineation



Type 1 Provisional Wellhead Protection Area

GUN PLAIN TOWNSHIP

WELLHEAD PROTECTION PROGRAM

GUN PLAIN TOWNSHIP, ALLEGAN COUNTY, MICHIGAN

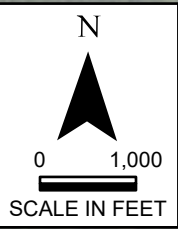
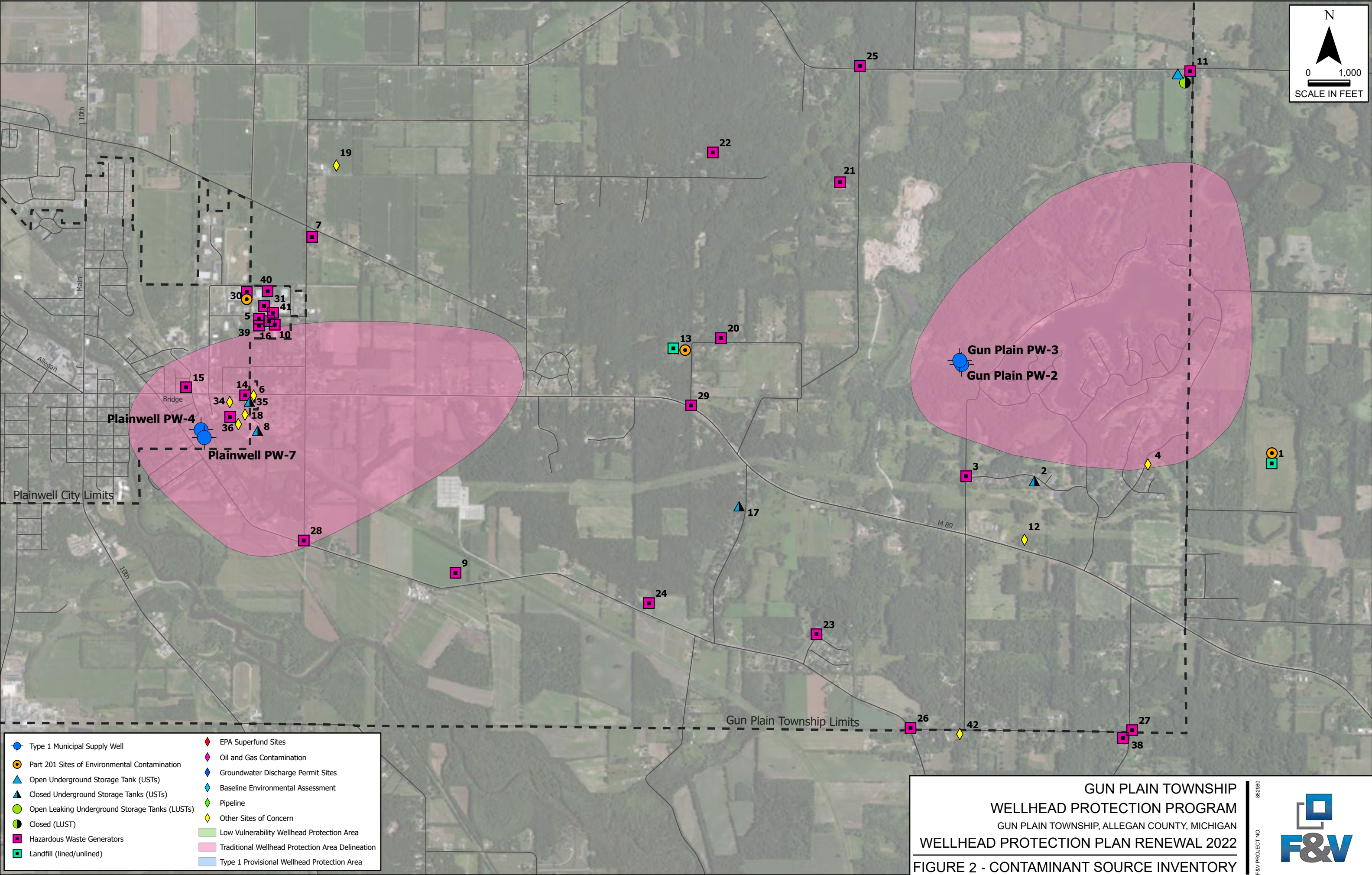
WELLHEAD PROTECTION PLAN RENEWAL 2022

FIGURE 1 - WHPA & MUNICIPAL WELLS

F&V

85280

F&V PROJECT NO.



GUN PLAIN TOWNSHIP
WELLHEAD PROTECTION PROGRAM
GUN PLAIN TOWNSHIP, ALLEGAN COUNTY, MICHIGAN
WELLHEAD PROTECTION PLAN RENEWAL 2022
FIGURE 2 - CONTAMINANT SOURCE INVENTORY

852880
F&V PROJECT NO.



ATTACHMENT A

Wellhead Protection Team & Other Important WHPP Contacts

WHPP TEAM

Name	Title	Organization	Address	Phone	Email
Michael VanDenBerg	Township Supervisor	Gun Plain Township	979 9 th Street Plainwell, MI 49080	269-501-6273	mvandenberg@gunplain.org
Rico Liceaga	Director of Municipal Operations	Gun Plain Water Department	140 E Bridge Street Plainwell, MI 49080	269-680-1226	riceaga@perceptiveso.com
Robert Nieuwenhuis	City of Plainwell DPW Superintendent	City of Plainwell	126 Fairlane Street Plainwell, MI 49080	269-207-7320	rnieuwenhuis@gunplain.org
Kris Currier	Manager	High Grade Materials	265 E M89 HWY Plainwell, MI 49080	269-329-9426	gptfd230@gmail.com
Lynn R Lee	Planning Commission Member	Gun Plain Township Planning Commission	309 Riverview Drive Plainwell, MI 49080	269-615-9915	llee@gunplain.org
Chris Brandon	Water Plant Operator	City of Davison	200 E. Flint Street Davison MI 48423	810-653-2191	cbrandon@cityofdavison.org
Jenann Pearson	Trustee	Gun Plain Township	183 Liberty Street Plainwell, MI 49080	269-492-5808	jpearson@gunplain.org

OTHER IMPORTANT WHPP CONTACTS

Name	Organization	Address	Phone	Email
Samuel Blazey	U.S. Environmental Protection Agency, Region 5, Water Division, Ground Water and Drinking Water Branch	77 West Jackson Blvd Chicago, IL 60604	312-353-8973	blazey.samuel@epa.gov
Jason Berndt	EGLE Drinking Water and Environmental Health Division, Environmental Health Section, Source Water Unit, Gaylord Office	2100 West M-32 Gaylord, MI 49735	517-203-9631	BerndtJ1@michigan.gov
Sara Pearson	EGLE Drinking Water and Environmental Health Division, Environmental Health Section, Source Water Unit, Lansing Office	Constitution Hall 1st Floor, S Tower 525 W Allegan Street Lansing, MI 48933	517-420-3219	PearsonS@michigan.gov

ATTACHMENT B

Categories of Potential Sources of Contamination

ATTACHMENT B

CATEGORIES OF POTENTIAL SOURCES OF CONTAMINATION

AGRICULTURAL SOURCES (K)⁵

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT ^{1,2,3}
Animal feedlots (0006)⁴ and burial areas (0007)	Livestock sewage wastes; nitrates; phosphates; chloride; chemical sprays and dips for controlling insect, bacterial, viral, and fungal pests on livestock; coliform ⁶ and noncoliform bacteria; viruses
Manure spreading areas (0008) and storage pits (0009)	Livestock sewage wastes; nitrates
Livestock waste disposal areas (0010)	Livestock sewage wastes; nitrates
Crop areas and irrigation sites (0011)	Pesticides; ⁷ fertilizers; ⁸ gasoline and motor oils from chemical applicators
Chemical storage areas and containers (0012)	Pesticide ⁷ and fertilizer ⁸ residues
Farm machinery areas (0013)	Automotive wastes; ⁹ welding wastes
Agricultural drainage wells (0014) and canals (0015)	Pesticides; ⁷ fertilizers; ⁸ bacteria; salt water (in areas where the fresh-saltwater interface lies at shallow depths and where the water table is lowered by channelization, pumping, or other causes)

RESIDENTIAL SOURCES (D)

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT ^{1,2,3}
Common household maintenance and hobbies (0016)	Common Household Products: ¹⁰ Household cleaners; oven cleaners; drain cleaners; toilet cleaners; disinfectants; metal polishes; jewelry cleaners; shoe polishes; synthetic detergents; bleach; laundry soil and stain removers; spot removers and dry cleaning fluid; solvents; lye or caustic soda; household pesticides; ¹¹ photochemicals; printing ink; other common products; Wall and Furniture Treatments: Paints; varnishes; stains; dyes; wood preservatives (creosote); paint and lacquer thinners; paint and varnish removers and deglossers; paint brush cleaners; floor and furniture strippers; Mechanical Repair and Other Maintenance Products: Automotive wastes; ⁹ waste oil; diesel fuel; kerosene; #2 heating oil; grease; degreasers for driveways and garages; metal degreasers; asphalt and roofing tar; tar removers; lubricants; rustproofers; car wash detergents; car waxes and polishes; rock salt; refrigerants
Lawns and gardens (0017)	Fertilizers; ⁷ herbicides and other pesticides used for lawn and garden maintenance ¹²
Swimming pools (0018)	Swimming pool maintenance chemicals ¹³
Septic systems (0019), cesspools (0020), and sewer lines (0021)	Septage; coliform and noncoliform bacteria; ⁶ viruses; nitrates; heavy metals; synthetic detergents; cooking and motor oils; bleach; pesticides; ¹¹ paints; paint thinner; photographic chemicals; swimming pool chemicals; ¹¹ septic tank/cesspool cleaner chemicals; ¹⁴ elevated levels of chloride, sulfate, calcium, pharmaceutical wastes, magnesium, potassium and phosphate
Underground storage tanks (0022)	Home heating oil
Apartments and condominiums (0023)	Swimming pool maintenance chemicals; ¹³ pesticides for lawn and garden maintenance and cockroach, termite, ant, rodent, and other pest control; ^{11,12} wastes from on-site sewage treatment plants; household hazardous wastes ¹⁰

GOVERNMENT SOURCES (E)

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT ^{1,2,3}
Schools (0024) and government offices and grounds (0025)	Solvents; pesticides; ^{11,12} acids; alkalis; waste oils; machinery/vehicle servicing wastes; gasoline and heating oil from storage tanks; general building wastes ¹⁵
Park lands (0026)	Fertilizers; ⁸ herbicides; ¹² insecticides ¹¹
Public and residential areas infested with mosquitoes, gypsy moths, ticks, ants, or other pests (0027)	Pesticides ^{7,11}
Highways, road maintenance depots, and deicing operations (0028)	Herbicides in highway rights-of-way; ^{7,12} road salt (sodium and calcium chloride); road salt anticaking additives (ferric ferrocyanide, sodium ferrocyanide); road salt anticorrosives (phosphate and chromate); automotive wastes ⁹ ; diesel fuel, gasoline from storage tanks.
Municipal sewage treatment plants and sewer lines (0029)	Municipal wastewater; sludge; ¹⁶ treatment chemicals ¹⁷
Storage, treatment, and disposal ponds, lagoons, and other surface impoundments (0030)	Sewage wastewater; nitrates; other liquid wastes; microbiological contaminants
Land areas applied with wastewater or wastewater byproducts (0031)	Organic matter; nitrate; inorganic salts; heavy metals; coliform and noncoliform bacteria; ⁶ viruses; nitrates; sludge; ¹⁶ nonhazardous wastes ¹⁸
Storm water drains and basins (0032)	Urban runoff; gasoline; oil; other petroleum products; road salt; microbiological contaminants
Combined sewer overflows (municipal sewers and storm water drains) (0033)	Municipal wastewater; sludge; ¹⁶ treatment chemicals; ¹⁷ urban runoff; gasoline; oil; other petroleum products; road salt; microbial contaminants
Recycling/reduction facilities (0034)	Residential and commercial solid waste residues
Municipal waste landfills (0035)	Leachate; organic and inorganic chemical contaminants; wastes from households ¹⁰ and businesses; ¹⁵ nitrates; oils; metals
Open dumping and burning sites (0036), closed dumps (0037)	Organic and inorganic chemicals; metals; oils; wastes from households ¹⁰ and businesses ¹⁵
Municipal incinerators (0038)	Heavy metals; hydrocarbons; formaldehyde; methane; ethane; ethylene; acetylene; sulfur and nitrogen compounds
Water supply wells, monitoring wells, older wells, domestic and livestock wells (0039), unsealed and abandoned wells (0040), and test hole/wells (0041)	Surface runoff; effluents from barnyards, feedlots, septic tanks, or cesspools; gasoline; used motor oil; road salt
Sumps and dry wells (0042)	Storm water runoff; spilled liquids; used oil; antifreeze; gasoline; other petroleum products; road salt; pesticides; ⁷ and a wide variety of other substances
Drainage wells (0043)	Pesticides; ^{11,12} bacteria
Well pumping that causes interaquifer leakage, induced filtration, landward migration of sea water in coastal areas; etc. (0044)	Saltwater; excessively mineralized water
Artificial groundwater recharge (0045)	Storm water runoff; excess irrigation water; stream flow; cooling water; treated sewage effluent; other substances that may contain contaminants, such as nitrates, metals, detergents, synthetic organic compounds, bacteria, and viruses

COMMERCIAL SOURCES (C)

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT ^{1,2,3}
Airports (0046), abandoned airfields (0047)	Jet fuels; deicers; diesel fuel, aircraft fuel from aircraft and storage tanks; chlorinated solvents; automotive wastes; ⁹ heating oil; building wastes ¹⁵
Auto repair shops (0048)	Waste oils; solvents; acids; paints; automotive wastes; ⁹ misc. cutting oils
Barber and beauty shops (0049)	Perm solutions; dyes; miscellaneous chemicals contained in hair rinses
Boat yards and marinas (0050)	Diesel fuels; oil; septage from boat waste disposal areas gasoline and diesel fuels from storage tanks ; wood preservative and treatment chemicals; paints; waxes; varnishes; automotive wastes ⁹
Bowling alleys (0051)	Epoxy; urethane-based floor finish
Car dealerships (especially those with service depts.) (0052)	Automotive wastes; ⁹ waste oils; solvents; miscellaneous wastes
Car washes (0053)	Soaps; detergents; waxes; miscellaneous chemicals; waste grease, motor oil and fuel
Camp grounds (0054)	Septage; gasoline; diesel fuel from boats; pesticides for controlling mosquitoes, ants, ticks, gypsy moths, and other pests; ^{7,11} household hazardous wastes from recreational vehicles (RVs) ¹⁰
Carpet stores (0055)	Glues and other adhesives; fuel from storage tanks if forklifts are used
Cemeteries (0056)	Leachate; lawn and garden maintenance chemicals ¹²
Construction trade areas and materials (plumbing, heating and air conditioning, painting, paper hanging, decorating, drywall and plastering, acoustical insulation, carpentry, flooring, roofing and sheet metal, wrecking and demolition, etc.) (0057)	Solvents; asbestos; paints; glues and other adhesives; waste insulation; lacquers; tars; sealants; epoxy waste; miscellaneous chemical wastes
Country clubs (0058)	Fertilizers; ⁸ herbicides; ^{7,12} pesticides for controlling mosquitoes, ticks, ants, gypsy moths, and other pests; ¹¹ swimming pools chemicals; ¹³ automotive wastes
Dry cleaners (0059)	Solvents (perchloroethylene, petroleum solvents, Freon); spotting chemicals (trichloroethane, methylchloroform, ammonia, peroxides, hydrochloric acid, rust removers, amyl acetate)
Funeral services and crematories (0060)	Formaldehyde; wetting agents; fumigants; solvents
Furniture repair and finishing shops (0061)	Paints; solvents; degreasing and solvent recovery sludges
Gasoline services stations (0062)	Oils; solvents; miscellaneous wastes
Hardware/lumber/parts stores (0063)	Hazardous chemical products in inventories; heating oil and fork lift fuel from storage tanks; wood-staining and treating products such as creosote
Heating oil companies, underground/above ground storage tanks (0064)	Heating oil; wastes from truck maintenance areas ⁹
Horticultural practices, garden nurseries, florists (0065)	Herbicides, insecticides, fungicides, and other pesticides ¹²
Jewelry/metal plating shops (0066)	Sodium and hydrogen cyanide; metallic salts; hydrochloric acid; sulfuric acid; chromic acid
Laundromats (0067)	Detergents; bleaches; fabric dyes
Medical institutions (0068)	X-ray developers and fixers; ¹⁹ infectious wastes; radiological wastes; biological wastes; disinfectants; asbestos; beryllium; dental acids; miscellaneous chemicals
Office buildings (0069)	Building wastes; ¹⁵ lawn/garden maintenance chemicals; ¹² gasoline; oil

COMMERCIAL SOURCES (C) – continued

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT ^{1,2,3}
Paint stores (0070)	Paints; paint thinners; lacquers; varnishes; other wood treatments
Photography shops, photo processing laboratories (0072)	Biosludges; silver sludges; cyanides; miscellaneous sludge
Print shops (0073)	Solvents; inks; dyes; oils; photographic chemicals
Railroad tracks and yards (0074)	Diesel fuel; herbicides for rights-of-way; creosote for preserving wood ties
Research laboratories (0075)	X-ray developers and fixers; ¹⁹ infectious wastes; radiological wastes; biological wastes; disinfectants; asbestos; beryllium; solvents; infectious materials; drugs; disinfectants (quaternary ammonia, hexachlorophene, peroxides, chlornexade; bleach); miscellaneous chemicals
Scrap and junk yards (0076)	Any wastes from businesses ¹⁵ and households; ¹⁰ oils
Sports and hobby shops (0077)	Gunpowder and ammunition; rocket engine fuel; model airplane glue
Aboveground and underground storage tanks (0078)	Heating oil; diesel fuel; gasoline; other petroleum products; other commercially used chemicals
Pharmacies (0071)	Spilled and returned products
Transportation services for passenger transit (local and interurban) (0079)	Waste oil; solvents; gasoline and diesel fuel from vehicles and storage tanks; fuel oil; other automotive wastes ⁹
Veterinary services (0080)	Solvents; infectious materials; vaccines; drugs; disinfectants (quaternary ammonia, hexachlorophene, peroxides, chlornexade, bleach); x-ray developers and fixers ¹⁹

INDUSTRIAL SOURCES (B)

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT ^{1,2,3}
Material stockpiles (coal, metallic ores, phosphates, gypsum) (0081)	Acid drainage; other hazardous and nonhazardous wastes ¹⁸
Waste tailing ponds (commonly for the disposal of mining wastes) (0082)	Acids; metals; dissolved solids; radioactive ores; other hazardous and nonhazardous wastes ¹⁷
Transport and transfer stations (trucking terminals and rail yards) (0083)	Fuel tanks; repair shop wastes; ⁹ other hazardous and nonhazardous wastes ¹⁷
Aboveground and underground storage tanks and containers (0084)	Heating oil; diesel and gasoline fuel; other petroleum products; hazardous and nonhazardous materials and wastes ¹⁸
Storage, treatment, and disposal ponds, lagoons, and other surface impoundments (0085)	Hazardous and nonhazardous liquid wastes; ¹⁸ septage; sludge ¹⁶
Chemical landfills (0086)	Leachate; hazardous and nonhazardous wastes; ¹⁸ nitrates
Radioactive waste disposal sites (0087)	Radioactive wastes from medical facilities, power plants, and defense operations; radionuclides (uranium, plutonium)
Unattended wet and dry excavation sites (unregulated dumps) (0088)	A wide range of substances; solid and liquid wastes; oil-field brines; spent acids from steel mill operations; snow removal piles containing large amounts of salt
Operating and abandoned production and exploratory wells (for gas, oil, coal, geothermal, and heat recovery); test hole wells; monitoring and excavation wells (0089)	Metals; acids; minerals; sulfides; other sulfides; other hazardous and nonhazardous chemicals ¹⁸
Dry wells (0090)	Saline water from wells pumped to keep them dry
Injection wells (0091)	Highly toxic wastes; hazardous/ nonhazardous wastes; ¹⁸ oil-field brines
Well drilling operations (0092)	Brines associated with oil and gas operations

INDUSTRIAL PROCESSES (B) (PRESENTLY OPERATED OR TORN-DOWN FACILITIES)²⁰

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT ^{1,2,3}
Asphalt plants (0093)	Petroleum derivatives
Communications equipment manufacturers (0094)	Nitric, hydrochloric, and sulfuric acid wastes; heavy metal sludges; copper-contaminated etchant (e.g., ammonium persulfate); cutting oil and degreasing solvent (trichloroethane, Freon, or trichloroethylene); waste oils; corrosive soldering flux; paint sludge; waste plating solution
Electric and electronic equipment manufacturers and storage facilities (0095)	Cyanides; metal sludges; caustics (chromic acid); solvents; oils; alkalis; acids; paints and paint sludges; calcium fluoride sludges; methylene chloride; perchloroethylene; trichloroethane; acetone; methanol; toluene; PCBs
Electroplaters (0096)	Boric, hydrochloric, hydrofluoric, and sulfuric acids; sodium and potassium hydroxide; chromic acid; sodium and hydrogen cyanide; metallic salts
Foundries and metal fabricators (0097)	Paint wastes; acids; heavy metals; metal sludges; plating wastes; oils; solvents; explosive wastes
Furniture and fixtures manufacturers (0098)	Paints; solvents; degreasing sludges; solvent recovery sludges
Machine and metalworking shops (0100)	Solvents; metals; miscellaneous organics; sludges; oily metal shavings; lubricant and cutting oils; degreasers (TCE); metal marking fluids; mold-release agents
Mining operations (surface and underground) (0101)	Mine spoils or tailings that often contain metals; acids; highly corrosive mineralized waters; metal sulfides
Unsealed abandoned mines used as waste pits (0102)	Metals; acids; minerals; sulfides; other hazardous and nonhazardous chemicals ¹⁸
Paper mills (0103)	Metals; acids; minerals; sulfides; other hazardous and nonhazardous chemicals; ¹⁸ organic sludges; sodium hydroxide; chlorine; hypochlorite; chlorine dioxide; hydrogen peroxide
Petroleum production and storage companies, secondary recovery of petroleum (0104)	Hydrocarbons; oil-field brines (highly mineralized salt solutions)
Industrial pipeline (0105)	Corrosive fluids; hydrocarbons; other hazardous and nonhazardous materials and wastes ¹⁸
Photo processing laboratories (0106)	Cyanides; biosludges; silver sludges; miscellaneous sludges
Plastics materials and synthetics producers (0107)	Solvents; oils; miscellaneous organics and inorganics (phenols, resins); paint wastes; cyanides; acids; alkalis; wastewater treatment sludges; cellulose esters; surfactant; glycols; phenols; formaldehyde; peroxides; etc.
Primary metal industries (blast furnaces, steel works, and rolling mills) (0108)	Heavy metal wastewater treatment sludge; pickling liquor; waste oil; ammonia scrubber liquor; acid tar sludge; alkaline cleaners; degreasing solvents; salt; metal dust
Publishers, printers, and allied industries (0109)	Solvents; inks; dyes; oils; miscellaneous organics; photographic chemicals
Public utilities (phone, electric power, gas) (0110)	PCBs from transformers and capacitors; oils; solvents; sludges; acid solution; metal plating solutions (chromium, nickel, cadmium); herbicides from utility rights-of-way
Sawmills and planers (0111) and gluing wastes	Treated wood residue (copper quinolate, mercury, sodium bazide); tanner gas; paint sludges; solvents; creosote; coating
Stone, clay, and glass manufacturers (0112)	Solvents; oils and grease; alkalis; acetic wastes; asbestos; heavy metal sludges; phenolic solids or sludges; metal-finishing sludge
Welders (0113)	Oxygen, acetylene
Wood preserving facilities (0114)	Wood preservatives; creosote

Key to footnotes

¹In general, surface and groundwater contamination stems from the misuse and improper disposal of liquid and solid wastes; the illegal dumping or abandonment of household, commercial, or industrial chemicals; the accidental spilling of chemicals from trucks, railways, aircraft, handling facilities, and storage tanks; or the improper siting, design, construction, operation, or maintenance of agricultural, residential, municipal, commercial, and industrial drinking water wells and liquid and solid waste disposal facilities. Contaminants also can stem from atmospheric pollutants, such as airborne sulfur and nitrogen compounds, which are created by smoke, flue dust, aerosols, and automobile emissions, fall as acid rain, and percolate through the soil. When the sources listed on this table are used and managed properly, groundwater contamination is not likely to occur.

²Contaminants can reach surface and groundwater from activities occurring on the land surface, such as industrial waste storage; from sources below the land surface but above the water table, such as septic systems; from structures beneath the water table, such as wells; or from contaminated recharge water.

³This table lists most common wastes, but not all potential wastes. For example, it is not possible to list all potential contaminants contained in storm water runoff or research laboratory wastes.

⁴Contaminant WHPP Number.

⁵Facility WHPP Code.

⁶Coliform bacteria can indicate the presence of pathogenic (disease-causing) microorganisms that may be transmitted in human feces. Diseases such as typhoid fever, hepatitis, diarrhea, and dysentery can result from sewage contamination of water supplies.

⁷Pesticides include herbicides, insecticides, rodenticides, fungicides, and avicides; many are highly toxic and quite mobile in the subsurface. An EPA survey found that the most common pesticides found in drinking water wells were DCPA (dacthal) and atrazine (EPA, 1990b), which EPA classifies as moderately toxic (class 3) and slightly toxic (class 4) materials, respectively (Meister Publishing Company, 1991).

⁸The EPA National Pesticides Survey (EPA, 1991) found that the use of fertilizers correlates to nitrate contamination of groundwater supplies.

⁹Automotive wastes can include gasoline; antifreeze; automatic transmission fluid; battery acid; engine and radiator flushes; engine and metal degreasers; hydraulic (brake) fluid; and motor oils.

¹⁰Toxic or hazardous components of common household products are noted on the attached table (EPA 1990c).

¹¹Common household pesticides for controlling pests such as ants, termites, bees, wasps, flies, cockroaches, silverfish, mites, ticks, fleas, worms, rats, and mice can contain active ingredients including naphthalene, phosphorus, xylene, chloroform, heavy metals, chlorinated hydrocarbons, arsenic, strychnine, kerosene, nitrosamines, and dioxin.

¹²Common pesticides used for lawn and garden maintenance (e.g., weed killers, and mite, grub, and aphid controls) include such chemicals as 2,4-D; chlorpyrifos; diazinon; benomyl; captan; dicofol; and methoxychlor.

¹³Swimming pool chemicals can contain free and combined chlorine; bromine; iodine; mercury-based, copper-based, and quaternary algaecides; cyanuric acid; calcium or sodium hypochlorite; muriatic acid; sodium carbonate.

¹⁴Septic tank/cesspool cleaners include synthetic organic chemicals such as 1,1,1 trichloroethane, tetrachloroethylene, carbon tetrachloride, and methylene chloride.

¹⁵Common wastes from public and commercial buildings include automotive wastes (see above definition); rock salt; and residues from cleaning products that may contain chemicals such as xlenols, glycol esters, isopropanol, 1,1,1-trichloroethane, sulfonates, chlorinated phenols, and cresols.

Key to footnotes (cont.)

¹⁶Municipal wastewater treatment sludge can contain organic matter; nitrates; inorganic salts; heavy metals; coliform and noncoliform bacteria (see above definition); and viruses.

¹⁷Municipal wastewater treatment chemicals include calcium oxide; alum; activated alum, carbon, and silica; polymers; ion exchange resins; sodium hydroxide; chlorine; ozone; and corrosion inhibitors.

¹⁸The Resource Conservation and Recovery Act (RCRA) defines a hazardous waste as a solid waste that may cause an increase in mortality or serious illness or pose a substantial threat to human health and the environment when improperly treated, stored, transported, disposed of, or otherwise managed. A waste is hazardous if it exhibits characteristics of ignitability, corrosivity, reactivity, and/or toxicity. Not covered by RCRA regulations are domestic sewage; irrigation waters or industrial discharges allowed by the Clean Water Act; certain nuclear and mining wastes; household wastes; agricultural wastes (excluding some pesticides); and small quantity hazardous wastes (i.e., less than 220 pounds per month) discharged from businesses.

¹⁹X-ray developers and fixers may contain reclaimable silver, glutaldehyde, hydroquinone, phenedone, potassium bromide, sodium sulfite, sodium carbonate, thiosulfates, and potassium alum.

²⁰This table lists potential surface and groundwater contaminants from many common industries, but it does not address all industries.

Source: Wyoming Department of Environmental Quality

ATTACHMENT C

Contaminant Source Inventory Information

CONTAMINANT SOURCE INVENTORY - INSIDE WHPA			
Site Owner/Name of Site	Address	Potential Hazard	Comments
W.DOUGLAS SAND EXPOSURE	238 DEER RUN BOULEVARD PLAINWELL, MI 49080	Other Sites of Concern	Operating sand and gravel mine.
CONTAMINANT SOURCE INVENTORY - OUTSIDE OF WHPA			
Site Owner/Name of Site	Address	Potential Hazard	Comments
KAVCO LF	DOSTER ROAD/DAY ROAD PLAINWELL, MI 49080	Landfill, Part 201 Site of Environmental Contamination	Former landfill in operation from 1960-1984. Unknown if landfill is lined or unlined. Benzene, Nickle, Cis-1,2-Dichloroethene pollutants observed on this property in 2005.
LAKE DOSTER LIMITED PARTNERSHIP	136 COUNTRY CLUB BOULEVARD PLAINWELL, MI 49080	Closed Underground Storage Tank (UST)	One historical UST reported on this property.
MICHIGAN STATE POLICE - WEMET	215 2ND STREET PLAINWELL, MI 49080	Hazardous Waste Generator (HWG)	
6 INDUSTRIAL PARKWAY, PLAINWELL, MI 49080	946 INDUSTRIAL PARKWAY PLAINWELL, MI 49080	HWG	A BEA was performed on this site in 2019.
954 EAST BRIDGE STREET	954 EAST BRIDGE STREET PLAINWELL, MI 49080	Other Sites of Concern	A BEA was performed on this site in 2004.
ADVANCE FARM SUPPLY	459 8TH STREET PLAINWELL, MI 49080	HWG	
AMOCO OIL CO	LOCUS ST & NY CENTRAL R/R PLAINWELL, MI 49080	Closed UST	One UST closed in ground in 1976.
CONSUMERS ENERGY	631 RIVERVIEW DRIVE PLAINWELL, MI 49080	HWG	
DECORATIVE VENEER	960 INDUSTRIAL PARKWAY PLAINWELL, MI 49080	HWG	
DOSTER COUNTRY STORE	10 106TH AVENUE PLAINWELL, MI 49080	Leaking Underground Storage Tank (LUST), Active UST, H	One historical LUST release; C-0253-97 (closed in 1997). One gasoline UST currently in use on site. Two former USTs removed from ground in 1997.
GUN PLAIN RES WELL	M89 & 103RD STREET PLAINWELL, MI 49080	Other Sites of Concern	This site is listed as a Brownfield property.
GUN PLAIN TOWNSHIP LANDFILL	5TH STREET, PLAINWELL, MI 49080	Landfill, Part 201 Site of Environmental Contamination	Unknown if landfill is lined or unlined. Lead, Trichloroethene, and Zinc pollutants observed on site in 2004.
HIR CORP	950 E BRIDGE STREET PLAINWELL, MI 49080	HWG	
KALAMAZOO LANDSCAPE SUPPLIES INC	621 W M 89 PLAINWELL, MI 49080	HWG	
LAD CHEMICALS	950 INDUSTRIAL PARKWAY PLAINWELL, MI 49080	HWG	
LARRY HILTON	204 FOURTH STREET PLAINWELL, MI 49080	Closed UST	Two USTs removed from ground in 1998.
LOCUST (124) STREET	124 LOCUST STREET PLAINWELL, MI 49080	Other Sites of Concern	A BEA was performed on this site in 2002.
MEERT FARMS	497 8TH STREET PLAINWELL, MI 49080	Other Sites of Concern	An Aboveground Storage Tank (AST) was removed from this site in 2012.
MI DEPT/STATE POLICE	433 103RD AVENUE PLAINWELL, MI 49080	HWG	
MI DEPT/STATE POLICE	500 3RD STREET PLAINWELL, MI 49080	HWG	
MI DEPT/STATE POLICE	427 105TH AVENUE PLAINWELL, MI 49080	HWG	
MI DEPT/STATE POLICE	398 KENNETH STREET PLAINWELL, MI 49080	HWG	
MI DEPT/STATE POLICE	487 RIVERVIEW DRIVE PLAINWELL, MI 49080	HWG	
MI DEPT/STATE POLICE	106TH AVENUE & 3RD STREET PLAINWELL, MI 49080	HWG	
MI DEPT/STATE POLICE	RIVERVIEW DRIVE & BASELINE ROAD PLAINWELL, MI 49080	HWG	
MI DEPT/STATE POLICE	1ST STREET & BASELINE ROAD PLAINWELL, MI 49080	HWG	
MI DEPT/STATE POLICE	RIVERVIEW & 8TH STREET PLAINWELL, MI 49080	HWG	

MICHIGAN STATE POLICE - WEMET	5TH STREET & M-89 PLAINWELL, MI 49080	HWG	
NEO-TECH (IST)	939 INDUSTRIAL PARKWAY PLAINWELL, MI 49080	Part 201 Site of Environmental Contamination, HWG	Nickle pollution observed on this site in 2004. A BEA was performed on this site
PERCEPTIVE INDUSTRIES INC	951 INDUSTRIAL PARKWAY PLAINWELL, MI 49080	HWG	
PINE LAKE BOAT & MOTOR CO INC	981 DOSTER ROAD PLAINWELL, MI 49080	Active UST	One existing UST active on site. Five former USTs removed from site in 1990.
PINE LAKE LAUNDROMAT	938 DOSTER ROAD PLAINWELL, MI 49080	HWG	
PLAINWELL GARDEN CENTER	900 E BRIDGE STREET PLAINWELL, MI 49080	Other Sites of Concern	A former AST was removed from property in 2010.
PLAINWELL READY MIX	954 E BRIDGE STREET PLAINWELL, MI 49080	Closed UST	Two former USTs removed from ground in 1998.
PREFERRED PLASTICS PROD	800 EAST BRIDGE STREET PLAINWELL, MI 49080	National Pollutant Discharge Elimination System (NPDES), HWG	An existing NPDES permit is issued for this property.
RICHARD HILLIGNS	942 DOSTER ROAD PLAINWELL, MI 49080	HWG	
ROBERT NALEY	10995 N 22ND STREET PLAINWELL, MI 49080	HWG	
SIGNATURE PRINTING CO	946 INDUSTRIAL PARKWAY PLAINWELL, MI 49080	HWG	
TOKUSEN HYTECH INC	950 LINCOLN PARKWAY PLAINWELL, MI 49080	HWG	
WEST MICHIGAN INDUSTRIES	957 INDUSTRIAL PARKWAY PLAINWELL, MI 49080	HWG	
2240 E BASELINE	2240 E BASELINE PLAINWELL, MI 49080	Other Sites of Concern	5 gallon container of reactive separating agent fell off truck in 2011.

314 4th St
314 4th St
Plainwell, MI 49080

Inquiry Number: 6869871.2s
February 22, 2022

The EDR Radius Map™ Report with GeoCheck®



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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

314 4TH ST
PLAINWELL, MI 49080

COORDINATES

Latitude (North):	42.4440250 - 42° 26' 38.49"
Longitude (West):	85.5799760 - 85° 34' 47.91"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	616786.2
UTM Y (Meters):	4699840.5
Elevation:	865 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	14457485 KALAMAZOO NE, MI
Version Date:	2019
West Map:	14450410 OTSEGO, MI
Version Date:	2019

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140908, 20140907
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
314 4TH ST
PLAINWELL, MI 49080

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	MI DEPT/STATE POLICE	433 103RD AVE	RCRA NonGen / NLR	Lower	1695, 0.321, NW
A2	MI DEPT/STATE POLICE	433 103RD AVE	WDS	Lower	1695, 0.321, NW
A3	MI DEPT/STATE POLICE	433 103RD AVE	FINDS, ECHO	Lower	1695, 0.321, NW
4	LARRY HILTON	204 FOURTH ST	UST	Lower	1892, 0.358, SSW
B5	GUN PLAIN RES WELLS	5TH STREET & M89	DEL PART 201	Lower	2168, 0.411, WSW
B6	MICHIGAN STATE POLIC	5TH ST & M-89	WDS	Lower	2168, 0.411, WSW
B7	MICHIGAN STATE POLIC	5TH ST & M-89	RCRA NonGen / NLR	Lower	2168, 0.411, WSW
B8	MICHIGAN STATE POLIC	5TH ST & M-89	FINDS, ECHO	Lower	2168, 0.411, WSW
B9	GUN PLAIN RES WELL	M89 & 103RD STREET	BROWNFIELDS	Lower	2169, 0.411, WSW
B10		448 M89 HWY	CDL	Lower	2213, 0.419, WSW
11	GUN PLAIN TOWNSHIP L	5TH STREET	PART 201, INVENTORY	Lower	2686, 0.509, WNW
C12	DOSTER PIT	265 M-89	US MINES	Lower	3629, 0.687, SE
C13		265 M 89	ERNS	Lower	3629, 0.687, SE
C14	HIGH GRADE MATERIALS		US MINES	Lower	3814, 0.722, SE
D15	MI DEPT/STATE POLICE	500 3RD ST	RCRA NonGen / NLR	Lower	4912, 0.930, NNE
D16	MI DEPT/STATE POLICE	500 3RD ST	FINDS, ECHO	Lower	4912, 0.930, NNE
D17	MI DEPT/STATE POLICE	500 3RD ST	WDS	Lower	4912, 0.930, NNE
E18	MI DEPT/STATE POLICE	427 105TH AVE	RCRA NonGen / NLR	Higher	5302, 1.004, NNW
E19	MI DEPT/STATE POLICE	427 105TH AVE	WDS	Higher	5302, 1.004, NNW
E20	MI DEPT/STATE POLICE	427 105TH AVE	FINDS, ECHO	Higher	5302, 1.004, NNW
F21	MICHIGAN STATE POLIC	215 2ND ST	WDS	Higher	5455, 1.033, ESE
F22	MICHIGAN STATE POLIC	215 2ND ST	FINDS, ECHO	Higher	5455, 1.033, ESE
F23	MICHIGAN STATE POLIC	215 2ND ST	RCRA NonGen / NLR	Higher	5455, 1.033, ESE
G24	MI DEPT/STATE POLICE	398 KENNETH ST	WDS	Lower	6163, 1.167, South
G25	MI DEPT/STATE POLICE	398 KENNETH ST	RCRA NonGen / NLR	Lower	6163, 1.167, South
G26	MI DEPT/STATE POLICE	398 KENNETH ST	FINDS, ECHO	Lower	6163, 1.167, South
H27	MI DEPT/STATE POLICE	487 RIVERVIEW DR	FINDS, ECHO	Lower	6293, 1.192, SSW
H28	MI DEPT/STATE POLICE	487 RIVERVIEW DR	WDS	Lower	6293, 1.192, SSW
H29	MI DEPT/STATE POLICE	487 RIVERVIEW DR	RCRA NonGen / NLR	Lower	6293, 1.192, SSW
I30	KALAMAZOO LANDSCAPE	621 W M 89	FINDS, ECHO	Lower	6337, 1.200, West
H31	497 RIVERVIEW	497 RIVERVIEW	US CDL	Lower	6340, 1.201, SSW
32		519 105TH AVE	CDL	Higher	6371, 1.207, NW
J33		319 RIVERVIEW DR	CDL	Lower	6374, 1.207, SSW
J34	305 RIVERVIEW DR	305 RIVERVIEW DR	US CDL	Lower	6381, 1.209, SSW
I35	KALAMAZOO LANDSCAPE	621 W M 89	RCRA-VSQQ	Lower	6600, 1.250, West
I36	KALAMAZOO LANDSCAPE	621 W M 89	WDS	Lower	6600, 1.250, West
37	LAKE DOSTER LIMITED	136 COUNTRY CLUB BLV	UST	Higher	6603, 1.251, ESE
38	GUN PLAIN & PLAINWEL	103RD ST, NORTH OF M	FINDS	Lower	7658, 1.450, WNW
K39	MI DEPT/STATE POLICE	106TH & 3RD ST	FINDS, ECHO	Lower	7836, 1.484, NNE

MAPPED SITES SUMMARY

Target Property Address:
314 4TH ST
PLAINWELL, MI 49080

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K40	MI DEPT/STATE POLICE	106TH & 3RD ST	WDS	Lower	7836, 1.484, NNE
K41	MI DEPT/STATE POLICE	106TH AVE & 3RD ST	WDS	Lower	7836, 1.484, NNE
K42	MI DEPT/STATE POLICE	106TH & 3RD ST	RCRA NonGen / NLR	Lower	7836, 1.484, NNE
K43	MI DEPT/STATE POLICE	106TH AVE & 3RD ST	RCRA NonGen / NLR	Lower	7836, 1.484, NNE
L44	CONSUMERS ENERGY	631 RIVERVIEW DR	RCRA-VSQG, FINDS, ECHO	Lower	8560, 1.621, SW
L45	CONSUMERS ENERGY	631 RIVERVIEW DR	WDS	Lower	8560, 1.621, SW
46	RESIDENCE	415 MIDLAKES BOULEVA	ASBESTOS	Higher	8748, 1.657, ENE
47		276 FAIRWAY CT	ERNS	Higher	8863, 1.679, East
M48	MI DEPT/STATE POLICE	RIVERVIEW DR & BASEL	FINDS, ECHO	Lower	8868, 1.680, SSE
M49	MI DEPT/STATE POLICE	RIVERVIEW DR & BASEL	WDS	Lower	8868, 1.680, SSE
M50	MI DEPT/STATE POLICE	RIVERVIEW DR & BASEL	RCRA NonGen / NLR	Lower	8868, 1.680, SSE
51	RESIDENCE	10954 NORTH 19TH STR	ASBESTOS	Lower	8892, 1.684, SSW
52	W.DOUGLAS SAND EXPOS		MINES MRDS	Higher	9052, 1.714, ESE
53		2240 E BASELINE	SPILLS	Higher	9413, 1.783, SSE
N54	RICHARD HILLIGNS	942 DOSTER RD	WDS	Higher	11306, 2.141, ESE
N55	PINE LAKE LAUNDROMAT	938 DOSTER RD	WDS	Higher	11306, 2.141, ESE
N56	PINE LAKE BOAT & MOT	981 DOSTER RD	Financial Assurance	Higher	11341, 2.148, ESE
N57	PINE LAKE BOAT & MOT	981 DOSTER RD	UST	Higher	11341, 2.148, ESE
O58	MI DEPT/STATE POLICE	1ST ST & BASELINE RD	WDS	Higher	11875, 2.249, SE
O59	MI DEPT/STATE POLICE	1ST ST & BASELINE RD	RCRA NonGen / NLR	Higher	11875, 2.249, SE
O60	MI DEPT/STATE POLICE	1ST ST & BASELINE RD	FINDS, ECHO	Higher	11875, 2.249, SE
61	KAVCO LF	DOSTER RD./DAY ROAD	PART 201, INVENTORY	Higher	11907, 2.255, East
O62	ROBERT NALEY	10995 N 22ND ST	WDS	Higher	11996, 2.272, SE
63	ADVANCE FARM SUPPLY	459 8TH ST	WDS	Lower	12005, 2.274, WNW
P64	MI DEPT/STATE POLICE	RIVERVIEW & 8TH ST	RCRA NonGen / NLR	Lower	12015, 2.276, WSW
P65	MI DEPT/STATE POLICE	RIVERVIEW & 8TH ST	WDS	Lower	12018, 2.276, WSW
P66	MI DEPT/STATE POLICE	RIVERVIEW DR & 8TH S	RCRA NonGen / NLR	Lower	12018, 2.276, WSW
P67	MI DEPT/STATE POLICE	RIVERVIEW DR & 8TH S	FINDS, ECHO	Lower	12018, 2.276, WSW
P68	MI DEPT/STATE POLICE	RIVERVIEW DR & 8TH S	WDS	Lower	12018, 2.276, WSW
69	EAST 1/2 OF SE 1/4 S	EAST 1/2 OF SE 1/4 S	INVENTORY, BEA	Lower	12048, 2.282, West
Q70	DECORATIVE VENEER	960 INDUSTRIAL PKY	US AIRS, FINDS, ECHO	Lower	12132, 2.298, West
Q71	DECORATIVE VENEER	960 INDUSTRIAL PKWY	WDS	Lower	12132, 2.298, West
Q72	SELECT MILLWORK	960 INDUSTRIAL PARKW	FINDS	Lower	12132, 2.298, West
Q73	DECORATIVE VENEER, I	960 INDUSTRIAL PARKW	AIRS	Lower	12132, 2.298, West
74	10358 N. 19TH ST	10358 N. 19TH ST	US CDL	Lower	12160, 2.303, South
Q75	WEST MICHIGAN INDUST	957 INDUSTRIAL PKWY	WDS	Lower	12226, 2.316, West
Q76	WEST MICHIGAN INDUST	957 INDUSTRIAL PKWY	FINDS, ECHO	Lower	12226, 2.316, West
Q77	WEST MICHIGAN INDUST	957 INDUSTRIAL PKWY	RCRA NonGen / NLR	Lower	12226, 2.316, West
R78	TOKUSEN HYTECH INC	950 LINCOLN PKWY	RCRA-SQG, ECHO	Lower	12384, 2.345, West

MAPPED SITES SUMMARY

Target Property Address:
314 4TH ST
PLAINWELL, MI 49080

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
R79	TOKUSEN HYTECH INC	950 LINCOLN PKWY	WDS	Lower	12384, 2.345, West
R80	TOKUSEN HYTECH INC	950 LINCOLN PKWY	FINDS	Lower	12384, 2.345, West
Q81	LAD CLEANING SOLUTIO	950 INDUSTRIAL PKY	FINDS	Lower	12391, 2.347, West
Q82	LAD CHEMICALS, INC.	950 INDUSTRIAL PKY	SSTS	Lower	12391, 2.347, West
Q83	LAD CHEMICALS	950 INDUSTRIAL PKWY	WDS	Lower	12391, 2.347, West
Q84	LAD CHEMICALS, INC.	950 INDUSTRIAL PARKW	SSTS	Lower	12391, 2.347, West
85	MEERT FARMS	497 8TH ST	AST	Lower	12416, 2.352, WNW
S86	DOSTER COUNTRY STORE	10 106TH AVENUE	RGA LUST	Higher	12428, 2.354, NE
S87	DOSTER COUNTRY STORE	10 106TH AVE	RGA LUST	Higher	12428, 2.354, NE
S88		10 106TH	CDL	Higher	12428, 2.354, NE
S89	DOSTER COUNTRY STORE	10 106TH AVE	LUST, UST, AST, INVENTORY, Financial Assurance,...	Higher	12428, 2.354, NE
Q90	PERCEPTIVE INDUSTRIE	951 INDUSTRIAL PKWY	RCRA-VSQG	Lower	12493, 2.366, West
Q91	PERCEPTIVE INDUSTRIE	951 INDUSTRIAL PKWY	FINDS, ECHO	Lower	12493, 2.366, West
Q92	PERCEPTIVE INDUSTRIE	951 INDUSTRIAL PKWY	WDS	Lower	12493, 2.366, West
93	AMOCO OIL CO	LOCUS ST & NY CENTRA	UST	Lower	12521, 2.371, West
T94	946 INDUSTRIAL PARKW	946 INDUSTRIAL PARKW	INVENTORY, BEA, WDS	Lower	12560, 2.379, West
T95	SIGNATURE PRINTING C	946 INDUSTRIAL PARKW	RCRA-VSQG, FINDS, ECHO	Lower	12560, 2.379, West
U96	PLAINWELL READY MIX	954 E BRIDGE ST	UST	Lower	12634, 2.393, West
U97	954 EAST BRIDGE STRE	954 EAST BRIDGE STRE	INVENTORY, BEA	Lower	12634, 2.393, West
U98	BRIDGE (954) STREET,	954 EAST BRIDGE STRE	BEA	Lower	12634, 2.393, West
T99	CONSOLIDATED STRIPPI	942 INDUSTRIAL PARKW	AIRS	Lower	12723, 2.410, West
U100	HIR CORP	950 E BRIDGE ST	WDS	Lower	12789, 2.422, West
U101	LOCUST (124) STREET	124 LOCUST STREET	INVENTORY, BEA	Lower	12839, 2.432, West
T102	NEO-TECH (IST)	939 INDUSTRIAL PARKW	SEMS, PART 201, INVENTORY, RCRA NonGen / NLR, BEA,...	Lower	12919, 2.447, West
T103	NEO TEC PLATING, INC	939 INDUSTRIAL PARKW	AIRS	Lower	12919, 2.447, West
T104	NEO-TECH (IST)	939 INDUSTRIAL PKWY	FINDS, ECHO	Lower	12919, 2.447, West
T105	NEO-TECH/IST WAREHOU	939 INDUSTRIAL PARKW	RGA PART 201	Lower	12919, 2.447, West
106	SCHULTZ SAND & GRAVE	938 LINCOLN PARKWAY	US BROWNFIELDS, FINDS	Lower	13035, 2.469, West
V107	PREFERRED PLASTICS P	800 EAST BRIDGE STRE	NPDES	Lower	13100, 2.481, West
V108	PREFERRED PLASTICS P	800 E BRIDGE	RCRA-VSQG, FINDS, ECHO	Lower	13100, 2.481, West
V109	PREFERRED PLASTICS I	800 E BRIDGE ST	WDS	Lower	13100, 2.481, West
110	PLAINWELL GARDEN CEN	900 E BRIDGE ST	AST	Lower	13172, 2.495, West

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

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

Federal institutional controls / engineering controls registries

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

Lists of state- and tribal hazardous waste facilities

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

EXECUTIVE SUMMARY

Lists of state and tribal landfills and solid waste disposal facilities

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

Lists of state and tribal leaking storage tanks

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

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AUL..... Engineering and Institutional Controls

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Facilities

HIST LF..... Inactive Solid Waste Facilities

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

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

PFAS..... PFAS Contaminated Sites Listing

Local Land Records

LIENS..... Lien List

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites

DOD..... Department of Defense Sites

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

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

EXECUTIVE SUMMARY

2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
ABANDONED MINES.....	Abandoned Mines
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
COAL ASH.....	Coal Ash Disposal Sites
DRYCLEANERS.....	Drycleaning Establishments
LEAD.....	Lead Safe Housing Registry
UIC.....	Underground Injection Wells Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
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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.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

A review of the SEMS list, as provided by EDR, and dated 10/20/2021 has revealed that there is 1 SEMS site within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEO-TECH (IST) Site ID: 0507084 EPA Id: MID980903009	939 INDUSTRIAL PARKW	W >2 (2.447 mi.)	T102	148

Lists of Federal RCRA generators

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

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2021 has revealed that there is 1 RCRA-SQG site within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TOKUSEN HYTECH INC EPA ID:: MIK651521783	950 LINCOLN PKWY	W >2 (2.345 mi.)	R78	99

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

A review of the RCRA-VSQQ list, as provided by EDR, and dated 09/13/2021 has revealed that there are 5 RCRA-VSQQ sites within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KALAMAZOO LANDSCAPE	621 W M 89	W 1 - 2 (1.250 mi.)	I35	49

EXECUTIVE SUMMARY

EPA ID:: MIK879948867				
CONSUMERS ENERGY	631 RIVERVIEW DR	SW 1 - 2 (1.621 mi.)	L44	59
EPA ID:: MID981954217				
PERCEPTIVE INDUSTRIE	951 INDUSTRIAL PKWY	W >2 (2.366 mi.)	Q90	130
EPA ID:: MIK381653567				
SIGNATURE PRINTING C	946 INDUSTRIAL PARKW	W >2 (2.379 mi.)	T95	136
EPA ID:: MIR000020255				
PREFERRED PLASTICS P	800 E BRIDGE	W >2 (2.481 mi.)	V108	169
EPA ID:: MID059697508				

Federal ERNS list

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 09/13/2021 has revealed that there are 2 ERNS sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported NRC Report #: 1314657 Incident Date Time: 8/25/2021 9:00	276 FAIRWAY CT	E 1 - 2 (1.679 mi.)	47	65
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported NRC Report #: 867435 Incident Date Time: 2008-04-09 09:00:00	265 M 89	SE 1/2 - 1 (0.687 mi.)	C13	24

Lists of state and tribal leaking storage tanks

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 11/08/2021 has revealed that there is 1 LUST site within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOSTER COUNTRY STORE Release Status: Closed Substance Release: Gasoline Facility Id: 00009832	10 106TH AVE	NE >2 (2.354 mi.)	S89	126

EXECUTIVE SUMMARY

Lists of state and tribal registered storage tanks

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, has revealed that there are 6 UST sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAKE DOSTER LIMITED Database: UST, Date of Government Version: 10/01/2021 Tank Status: Non-Registered Tank Facility Type: CLOSED Facility Id: 50001853	136 COUNTRY CLUB BLV	ESE 1 - 2 (1.251 mi.)	37	52
PINE LAKE BOAT & MOT Database: UST, Date of Government Version: 10/01/2021 Tank Status: Removed from Ground Tank Status: Currently In Use Facility Type: ACTIVE Facility Id: 00014348	981 DOSTER RD	ESE >2 (2.148 mi.)	N57	76
DOSTER COUNTRY STORE Database: UST, Date of Government Version: 10/01/2021 Tank Status: Removed from Ground Tank Status: Currently In Use Facility Type: ACTIVE Facility Id: 00009832	10 106TH AVE	NE >2 (2.354 mi.)	S89	126
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LARRY HILTON Database: UST, Date of Government Version: 10/01/2021 Tank Status: Removed from Ground Facility Type: CLOSED Facility Id: 00018467	204 FOURTH ST	SSW 1/4 - 1/2 (0.358 mi.)	4	11
AMOCO OIL CO Database: UST, Date of Government Version: 10/01/2021 Tank Status: Closed in Ground Facility Type: CLOSED Facility Id: 00021359	LOCUS ST & NY CENTRA	W >2 (2.371 mi.)	93	134
PLAINWELL READY MIX Database: UST, Date of Government Version: 10/01/2021 Tank Status: Removed from Ground Facility Type: CLOSED Facility Id: 00039680	954 E BRIDGE ST	W >2 (2.393 mi.)	U96	140

EXECUTIVE SUMMARY

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 11/10/2021 has revealed that there are 3 AST sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOSTER COUNTRY STORE Facility Id: 92085076 Removed/Closed Date: 07/25/2013 Tank Status: Removed from Premises Tank Status: Currently In Use	10 106TH AVE	NE >2 (2.354 mi.)	S89	126

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MEERT FARMS Facility Id: 92085394 Removed/Closed Date: 04/09/2012 Tank Status: Emptied and Cleaned	497 8TH ST	WNW >2 (2.352 mi.)	85	124
PLAINWELL GARDEN CEN Facility Id: 92085366 Removed/Closed Date: 06/30/2012 Tank Status: Removed from Premises	900 E BRIDGE ST	W >2 (2.495 mi.)	110	174

Lists of state and tribal brownfield sites

BROWNFIELDs: Brownfields and USTfield Site Database.

A review of the BROWNFIELDs list, as provided by EDR, has revealed that there is 1 BROWNFIELDs site within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GUN PLAIN RES WELL Database: BROWNFIELDs, Date of Government Version: 01/15/2016 Ernie Id Number: 03000080	M89 & 103RD STREET	WSW 1/4 - 1/2 (0.411 mi.)	B9	16

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDs: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDs list, as provided by EDR, and dated 06/10/2021 has revealed that there is 1 US BROWNFIELDs site within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SCHULTZ SAND & GRAVE	938 LINCOLN PARKWAY	W >2 (2.469 mi.)	106	163

EXECUTIVE SUMMARY

ACRES property ID: 125684
Cleanup Completion Date: -

Local Lists of Hazardous waste / Contaminated Sites

PART 201: A Part 201 Listed site is a location that has been evaluated and scored by the DEQ using the Part 201 scoring model. The location is or includes a "facility" as defined by Part 201, where there has been a release of a hazardous substance(s) in excess of the Part 201 residential criteria, and/or where corrective actions have not been completed under Part 201 to meet the applicable cleanup criteria for unrestricted residential use. The Part 201 List does not include all of the sites of contamination that are subject to regulation under Part 201 because owners are not required to inform the DEQ about the sites and can pursue cleanup independently. Sites of environmental contamination that are not known to DEQ are not on the list, nor are sites with releases that resulted in low environmental impact.

A review of the PART 201 list, as provided by EDR, and dated 10/01/2013 has revealed that there are 3 PART 201 sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KAVCO LF Facility Status: Remedial Action in Progress (may incl. use restrictions, O&M and/or monitoring) Facility ID: 8000007	DOSTER RD./DAY ROAD	E >2 (2.255 mi.)	61	83
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GUN PLAIN TOWNSHIP L Facility Status: Remedial Action in Progress (may incl. use restrictions, O&M and/or monitoring) Facility ID: 3000057	5TH STREET	WNW 1/2 - 1 (0.509 mi.)	11	17
NEO-TECH (IST) Facility Status: Interim Response in progress Facility ID: 3000202	939 INDUSTRIAL PARKW	W >2 (2.447 mi.)	T102	148

INVENTORY: The Inventory of Facilities has three data sources: Facilities under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) identified through state funded or private party response activities (Projects); Facilities under Part 213, Leaking Underground Storage Tanks of the NREPA; and Facilities identified through submittals of Baseline Environmental Assessments (BEA) submitted pursuant to Part 201 or Part 213 of the NREPA. The Part 201 Projects Inventory does not include all of the facilities that are subject to regulation under Part 201 because owners are not required to inform the Department of Environmental Quality (DEQ) about the facilities and can pursue cleanup independently. Facilities that are not known to DEQ are not on the Inventory, nor are locations with releases that resulted in low environmental impact. Part 213 facilities listed here may have more than one release; a list of releases for which corrective actions have been completed and list of releases for which corrective action has not been completed is located on the Leaking Underground Storage Tanks Site Search webpage. The DEQ may or may not have reviewed and concurred with the conclusion that the corrective actions described in a closure report meets criteria. A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

A review of the INVENTORY list, as provided by EDR, and dated 10/18/2021 has revealed that there are

EXECUTIVE SUMMARY

8 INVENTORY sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KAVCO LF Facility ID: 8000007	DOSTER RD./DAY ROAD	E >2 (2.255 mi.)	61	83
DOSTER COUNTRY STORE Facility ID: 9832	10 106TH AVE	NE >2 (2.354 mi.)	S89	126
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GUN PLAIN TOWNSHIP L Facility ID: 3000057	5TH STREET	WNW 1/2 - 1 (0.509 mi.)	11	17
EAST 1/2 OF SE 1/4 S Facility ID: 3000384	EAST 1/2 OF SE 1/4 S	W >2 (2.282 mi.)	69	91
946 INDUSTRIAL PARKW Facility ID: 3000403 Facility ID: 3000404 Facility ID: 3000405	946 INDUSTRIAL PARKW	W >2 (2.379 mi.)	T94	134
954 EAST BRIDGE STRE Facility ID: 3000378 Facility ID: 3000379	954 EAST BRIDGE STRE	W >2 (2.393 mi.)	U97	142
LOCUST (124) STREET Facility ID: 3000285	124 LOCUST STREET	W >2 (2.432 mi.)	U101	147
NEO-TECH (IST) Facility ID: 3000202	939 INDUSTRIAL PARKW	W >2 (2.447 mi.)	T102	148

CDL: A listing of clandestine drug lab locations.

A review of the CDL list, as provided by EDR, and dated 10/22/2021 has revealed that there are 4 CDL sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	519 105TH AVE	NW 1 - 2 (1.207 mi.)	32	47
Not reported	10 106TH	NE >2 (2.354 mi.)	S88	125
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	448 M89 HWY	WSW 1/4 - 1/2 (0.419 mi.)	B10	17
Not reported	319 RIVERVIEW DR	SSW 1 - 2 (1.207 mi.)	J33	48

DEL PART 201: A deleted site has been removed from the Part 201 List because information known to the DEQ at the time of the evaluation does not support inclusion on the Part 201 List. This designation is often applied to sites where changes in cleanup criteria resulted in a determination that the site no longer exceeds any applicable cleanup criterion. A delisted site has been removed from the Part 201 List because response actions have reduced the levels of contaminants to concentrations which meet or are below the criteria for unrestricted residential use.

A review of the DEL PART 201 list, as provided by EDR, and dated 08/01/2013 has revealed that there is 1 DEL PART 201 site within approximately 2.5 miles of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GUN PLAIN RES WELLS Facility Id: 03000080	5TH STREET & M89	WSW 1/4 - 1/2 (0.411 mi.)	B5	13

US CDL: 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.

A review of the US CDL list, as provided by EDR, and dated 11/16/2021 has revealed that there are 3 US CDL sites within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
497 RIVERVIEW	497 RIVERVIEW	SSW 1 - 2 (1.201 mi.)	H31	47
305 RIVERVIEW DR	305 RIVERVIEW DR	SSW 1 - 2 (1.209 mi.)	J34	49
10358 N. 19TH ST	10358 N. 19TH ST	S >2 (2.303 mi.)	74	95

Records of Emergency Release Reports

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

A review of the SPILLS list, as provided by EDR, and dated 06/30/2021 has revealed that there is 1 SPILLS site within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	2240 E BASELINE	SSE 1 - 2 (1.783 mi.)	53	74

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that there are 15 RCRA NonGen / NLR sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MI DEPT/STATE POLICE EPA ID:: MIK432166841	427 105TH AVE	NNW 1 - 2 (1.004 mi.)	E18	33
MICHIGAN STATE POLIC	215 2ND ST	ESE 1 - 2 (1.033 mi.)	F23	37

EXECUTIVE SUMMARY

EPA ID:: MIK108664419				
MI DEPT/STATE POLICE	1ST ST & BASELINE RD	SE >2 (2.249 mi.)	O59	80
EPA ID:: MIK279454862				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MI DEPT/STATE POLICE EPA ID:: MIK896162336	433 103RD AVE	NW 1/4 - 1/2 (0.321 mi.)	A1	8
MICHIGAN STATE POLIC EPA ID:: MIK149323301	5TH ST & M-89	WSW 1/4 - 1/2 (0.411 mi.)	B7	13
MI DEPT/STATE POLICE EPA ID:: MIK874246572	500 3RD ST	NNE 1/2 - 1 (0.930 mi.)	D15	29
MI DEPT/STATE POLICE EPA ID:: MIK981941818	398 KENNETH ST	S 1 - 2 (1.167 mi.)	G25	40
MI DEPT/STATE POLICE EPA ID:: MIK216822833	487 RIVERVIEW DR	SSW 1 - 2 (1.192 mi.)	H29	44
MI DEPT/STATE POLICE EPA ID:: MIK511957672	106TH & 3RD ST	NNE 1 - 2 (1.484 mi.)	K42	54
MI DEPT/STATE POLICE EPA ID:: MIK571568955	106TH AVE & 3RD ST	NNE 1 - 2 (1.484 mi.)	K43	57
MI DEPT/STATE POLICE EPA ID:: MIK583321443	RIVERVIEW DR & BASEL	SSE 1 - 2 (1.680 mi.)	M50	70
MI DEPT/STATE POLICE EPA ID:: MIK218662310	RIVERVIEW & 8TH ST	WSW >2 (2.276 mi.)	P64	85
MI DEPT/STATE POLICE EPA ID:: MIK665194783	RIVERVIEW DR & 8TH S	WSW >2 (2.276 mi.)	P66	88
WEST MICHIGAN INDUST EPA ID:: MIK287756720	957 INDUSTRIAL PKWY	W >2 (2.316 mi.)	Q77	96
NEO-TECH (IST) EPA ID:: MID980903009	939 INDUSTRIAL PARKW	W >2 (2.447 mi.)	T102	148

SSTS: 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.

A review of the SSTS list, as provided by EDR, and dated 10/18/2021 has revealed that there are 2 SSTS sites within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAD CHEMICALS, INC. Registration Number:: 013029MI 001	950 INDUSTRIAL PKY	W >2 (2.347 mi.)	Q82	117
LAD CHEMICALS, INC. Registration Number:: 013029MI 001	950 INDUSTRIAL PARKW	W >2 (2.347 mi.)	Q84	120

EXECUTIVE SUMMARY

US AIRS: The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

A review of the US AIRS list, as provided by EDR, has revealed that there is 1 US AIRS site within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DECORATIVE VENEER Database: US AIRS MINOR, Date of Government Version: 10/12/2016 EPA plant ID:: 110001847716	960 INDUSTRIAL PKY	W >2 (2.298 mi.)	Q70	92

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, has revealed that there are 2 US MINES sites within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOSTER PIT Database: MINES VIOLATIONS, Date of Government Version: 06/30/2021	265 M-89	SE 1/2 - 1 (0.687 mi.)	C12	18
HIGH GRADE MATERIALS Database: US MINES, Date of Government Version: 11/02/2021 Mine ID:: 2002868		SE 1/2 - 1 (0.722 mi.)	C14	29

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 05/05/2021 has revealed that there are 24 FINDS sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MI DEPT/STATE POLICE Registry ID:: 110042156868	427 105TH AVE	NNW 1 - 2 (1.004 mi.)	E20	36
MICHIGAN STATE POLIC Registry ID:: 110044816385	215 2ND ST	ESE 1 - 2 (1.033 mi.)	F22	36
MI DEPT/STATE POLICE Registry ID:: 110042187022	1ST ST & BASELINE RD	SE >2 (2.249 mi.)	O60	83
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MI DEPT/STATE POLICE	433 103RD AVE	NW 1/4 - 1/2 (0.321 mi.)	A3	11

EXECUTIVE SUMMARY

Registry ID:: 110039564165				
MICHIGAN STATE POLIC	5TH ST & M-89	WSW 1/4 - 1/2 (0.411 mi.)	B8	16
Registry ID:: 110044812655				
MI DEPT/STATE POLICE	500 3RD ST	NNE 1/2 - 1 (0.930 mi.)	D16	32
Registry ID:: 110043185905				
MI DEPT/STATE POLICE	398 KENNETH ST	S 1 - 2 (1.167 mi.)	G26	43
Registry ID:: 110015889181				
MI DEPT/STATE POLICE	487 RIVERVIEW DR	SSW 1 - 2 (1.192 mi.)	H27	43
Registry ID:: 110031408233				
KALAMAZOO LANDSCAPE	621 W M 89	W 1 - 2 (1.200 mi.)	I30	47
Registry ID:: 110016719540				
GUN PLAIN & PLAINWEL	103RD ST, NORTH OF M	WNW 1 - 2 (1.450 mi.)	38	53
Registry ID:: 110013913051				
MI DEPT/STATE POLICE	106TH & 3RD ST	NNE 1 - 2 (1.484 mi.)	K39	53
Registry ID:: 110042156494				
CONSUMERS ENERGY	631 RIVERVIEW DR	SW 1 - 2 (1.621 mi.)	L44	59
Registry ID:: 110003625676				
MI DEPT/STATE POLICE	RIVERVIEW DR & BASEL	SSE 1 - 2 (1.680 mi.)	M48	69
Registry ID:: 110043311047				
MI DEPT/STATE POLICE	RIVERVIEW DR & 8TH S	WSW >2 (2.276 mi.)	P67	90
Registry ID:: 110039573226				
DECORATIVE VENEER	960 INDUSTRIAL PKY	W >2 (2.298 mi.)	Q70	92
Registry ID:: 110001847716				
SELECT MILLWORK	960 INDUSTRIAL PARKW	W >2 (2.298 mi.)	Q72	94
Registry ID:: 110070288978				
WEST MICHIGAN INDUST	957 INDUSTRIAL PKWY	W >2 (2.316 mi.)	Q76	95
Registry ID:: 110015849386				
TOKUSEN HYTECH INC	950 LINCOLN PKWY	W >2 (2.345 mi.)	R80	116
Registry ID:: 110070298116				
Registry ID:: 110038872574				
LAD CLEANING SOLUTIO	950 INDUSTRIAL PKY	W >2 (2.347 mi.)	Q81	117
Registry ID:: 110038256231				
PERCEPTIVE INDUSTRIE	951 INDUSTRIAL PKWY	W >2 (2.366 mi.)	Q91	133
Registry ID:: 110039567028				
SIGNATURE PRINTING C	946 INDUSTRIAL PARKW	W >2 (2.379 mi.)	T95	136
Registry ID:: 110003698865				
NEO-TECH (IST)	939 INDUSTRIAL PKWY	W >2 (2.447 mi.)	T104	162
Registry ID:: 110003617587				
SCHULTZ SAND & GRAVE	938 LINCOLN PARKWAY	W >2 (2.469 mi.)	106	163
Registry ID:: 110044214196				
PREFERRED PLASTICS P	800 E BRIDGE	W >2 (2.481 mi.)	V108	169
Registry ID:: 110003599678				

EXECUTIVE SUMMARY

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

A review of the ECHO list, as provided by EDR, and dated 01/01/2022 has revealed that there are 20 ECHO sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MI DEPT/STATE POLICE Registry ID: 110042156868	427 105TH AVE	NNW 1 - 2 (1.004 mi.)	E20	36
MICHIGAN STATE POLIC Registry ID: 110044816385	215 2ND ST	ESE 1 - 2 (1.033 mi.)	F22	36
MI DEPT/STATE POLICE Registry ID: 110042187022	1ST ST & BASELINE RD	SE >2 (2.249 mi.)	O60	83
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MI DEPT/STATE POLICE Registry ID: 110039564165	433 103RD AVE	NW 1/4 - 1/2 (0.321 mi.)	A3	11
MICHIGAN STATE POLIC Registry ID: 110044812655	5TH ST & M-89	WSW 1/4 - 1/2 (0.411 mi.)	B8	16
MI DEPT/STATE POLICE Registry ID: 110043185905	500 3RD ST	NNE 1/2 - 1 (0.930 mi.)	D16	32
MI DEPT/STATE POLICE Registry ID: 110015889181	398 KENNETH ST	S 1 - 2 (1.167 mi.)	G26	43
MI DEPT/STATE POLICE Registry ID: 110031408233	487 RIVERVIEW DR	SSW 1 - 2 (1.192 mi.)	H27	43
KALAMAZOO LANDSCAPE Registry ID: 110016719540	621 W M 89	W 1 - 2 (1.200 mi.)	I30	47
MI DEPT/STATE POLICE Registry ID: 110042156494	106TH & 3RD ST	NNE 1 - 2 (1.484 mi.)	K39	53
CONSUMERS ENERGY Registry ID: 110003625676	631 RIVERVIEW DR	SW 1 - 2 (1.621 mi.)	L44	59
MI DEPT/STATE POLICE Registry ID: 110043311047	RIVERVIEW DR & BASEL	SSE 1 - 2 (1.680 mi.)	M48	69
MI DEPT/STATE POLICE Registry ID: 110039573226	RIVERVIEW DR & 8TH S	WSW >2 (2.276 mi.)	P67	90
DECORATIVE VENEER Registry ID: 110001847716	960 INDUSTRIAL PKY	W >2 (2.298 mi.)	Q70	92
WEST MICHIGAN INDUST Registry ID: 110015849386	957 INDUSTRIAL PKWY	W >2 (2.316 mi.)	Q76	95
TOKUSEN HYTECH INC Registry ID: 110038872574	950 LINCOLN PKWY	W >2 (2.345 mi.)	R78	99
PERCEPTIVE INDUSTRIE Registry ID: 110039567028	951 INDUSTRIAL PKWY	W >2 (2.366 mi.)	Q91	133
SIGNATURE PRINTING C Registry ID: 110003698865	946 INDUSTRIAL PARKW	W >2 (2.379 mi.)	T95	136
NEO-TECH (IST) Registry ID: 110003617587	939 INDUSTRIAL PKWY	W >2 (2.447 mi.)	T104	162
PREFERRED PLASTICS P	800 E BRIDGE	W >2 (2.481 mi.)	V108	169

EXECUTIVE SUMMARY

Registry ID: 110003599678

AIRS: Permit and emissions inventory data.

A review of the AIRS list, as provided by EDR, and dated 09/15/2021 has revealed that there are 3 AIRS sites within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DECORATIVE VENEER, I State Registration Id: N2630	960 INDUSTRIAL PARKW	W >2 (2.298 mi.)	Q73	94
CONSOLIDATED STRIPPI State Registration Id: N3689	942 INDUSTRIAL PARKW	W >2 (2.410 mi.)	T99	146
NEO TEC PLATING, INC State Registration Id: N1482	939 INDUSTRIAL PARKW	W >2 (2.447 mi.)	T103	161

ASBESTOS: Asbestos

A review of the ASBESTOS list, as provided by EDR, and dated 09/30/2021 has revealed that there are 2 ASBESTOS sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RESIDENCE	415 MIDLAKES BOULEVA	ENE 1 - 2 (1.657 mi.)	46	65
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RESIDENCE	10954 NORTH 19TH STR	SSW 1 - 2 (1.684 mi.)	51	73

BEA: A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

A review of the BEA list, as provided by EDR, and dated 08/10/2021 has revealed that there are 6 BEA sites within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EAST 1/2 OF SE 1/4 S	EAST 1/2 OF SE 1/4 S	W >2 (2.282 mi.)	69	91
946 INDUSTRIAL PARKW	946 INDUSTRIAL PARKW	W >2 (2.379 mi.)	T94	134
954 EAST BRIDGE STRE	954 EAST BRIDGE STRE	W >2 (2.393 mi.)	U97	142
BRIDGE (954) STREET,	954 EAST BRIDGE STRE	W >2 (2.393 mi.)	U98	145
LOCUST (124) STREET	124 LOCUST STREET	W >2 (2.432 mi.)	U101	147
NEO-TECH (IST)	939 INDUSTRIAL PARKW	W >2 (2.447 mi.)	T102	148

EXECUTIVE SUMMARY

Financial Assurance: Financial assurance information.

A review of the Financial Assurance list, as provided by EDR, has revealed that there are 2 Financial Assurance sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PINE LAKE BOAT & MOT Database: FINANCIAL ASSURANCE 3, Date of Government Version: 07/16/2021	981 DOSTER RD	ESE >2 (2.148 mi.)	N56	75
DOSTER COUNTRY STORE Database: FINANCIAL ASSURANCE 3, Date of Government Version: 07/16/2021	10 106TH AVE	NE >2 (2.354 mi.)	S89	126

NPDES: General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

A review of the NPDES list, as provided by EDR, and dated 10/22/2020 has revealed that there is 1 NPDES site within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PREFERRED PLASTICS P Permit Number: MI0026808	800 EAST BRIDGE STRE	W >2 (2.481 mi.)	V107	168

WDS: The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

A review of the WDS list, as provided by EDR, and dated 11/23/2021 has revealed that there are 29 WDS sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MI DEPT/STATE POLICE Site Id: MIK432166841 WMD Id: 488045	427 105TH AVE	NNW 1 - 2 (1.004 mi.)	E19	35
MICHIGAN STATE POLIC Site Id: MIK108664419 WMD Id: 490463	215 2ND ST	ESE 1 - 2 (1.033 mi.)	F21	36
RICHARD HILLIGNS Site Id: MIG000049303 WMD Id: 438464	942 DOSTER RD	ESE >2 (2.141 mi.)	N54	75
PINE LAKE LAUNDROMAT WMD Id: 465523	938 DOSTER RD	ESE >2 (2.141 mi.)	N55	75
MI DEPT/STATE POLICE Site Id: MIK279454862 WMD Id: 487703	1ST ST & BASELINE RD	SE >2 (2.249 mi.)	O58	80
ROBERT NALEY Site Id: MIG000037930 WMD Id: 444326	10995 N 22ND ST	SE >2 (2.272 mi.)	O62	84
DOSTER COUNTRY STORE Site Id: MIG000048599 WMD Id: 438873	10 106TH AVE	NE >2 (2.354 mi.)	S89	126
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MI DEPT/STATE POLICE	433 103RD AVE	NW 1/4 - 1/2 (0.321 mi.)	A2	10

EXECUTIVE SUMMARY

Site Id: MIK896162336 WMD Id: 486359				
MICHIGAN STATE POLIC Site Id: MIK149323301 WMD Id: 489323	5TH ST & M-89	WSW 1/4 - 1/2 (0.411 mi.)	B6	13
MI DEPT/STATE POLICE Site Id: MIK874246572 WMD Id: 488606	500 3RD ST	NNE 1/2 - 1 (0.930 mi.)	D17	32
MI DEPT/STATE POLICE Site Id: MIK981941818 WMD Id: 469676	398 KENNETH ST	S 1 - 2 (1.167 mi.)	G24	40
MI DEPT/STATE POLICE Site Id: MIK216822833 WMD Id: 482088	487 RIVERVIEW DR	SSW 1 - 2 (1.192 mi.)	H28	44
KALAMAZOO LANDSCAPE Site Id: MIK879948867 WMD Id: 476649	621 W M 89	W 1 - 2 (1.250 mi.)	I36	52
MI DEPT/STATE POLICE Site Id: MIK511957672 WMD Id: 487439	106TH & 3RD ST	NNE 1 - 2 (1.484 mi.)	K40	54
MI DEPT/STATE POLICE Site Id: MIK571568955 WMD Id: 488646	106TH AVE & 3RD ST	NNE 1 - 2 (1.484 mi.)	K41	54
CONSUMERS ENERGY Site Id: MID981954217 WMD Id: 400534	631 RIVERVIEW DR	SW 1 - 2 (1.621 mi.)	L45	64
MI DEPT/STATE POLICE Site Id: MIK583321443 WMD Id: 488882	RIVERVIEW DR & BASEL	SSE 1 - 2 (1.680 mi.)	M49	70
ADVANCE FARM SUPPLY Site Id: MIG000061669 WMD Id: 421989	459 8TH ST	WNW >2 (2.274 mi.)	63	84
MI DEPT/STATE POLICE Site Id: MIK218662310 WMD Id: 487408	RIVERVIEW & 8TH ST	WSW >2 (2.276 mi.)	P65	87
MI DEPT/STATE POLICE Site Id: MIK665194783 WMD Id: 486380	RIVERVIEW DR & 8TH S	WSW >2 (2.276 mi.)	P68	91
DECORATIVE VENEER Site Id: MIG000023730 WMD Id: 451229	960 INDUSTRIAL PKWY	W >2 (2.298 mi.)	Q71	93
WEST MICHIGAN INDUST Site Id: MIK287756720 WMD Id: 463951	957 INDUSTRIAL PKWY	W >2 (2.316 mi.)	Q75	95
TOKUSEN HYTECH INC Site Id: MIK651521783 WMD Id: 438654	950 LINCOLN PKWY	W >2 (2.345 mi.)	R79	116
LAD CHEMICALS Site Id: MIG000006080	950 INDUSTRIAL PKWY	W >2 (2.347 mi.)	Q83	120

EXECUTIVE SUMMARY

WMD Id: 458377				
PERCEPTIVE INDUSTRIE Site Id: MIK381653567 WMD Id: 486095	951 INDUSTRIAL PKWY	W >2 (2.366 mi.)	Q92	133
946 INDUSTRIAL PARKW Site Id: MIR000020255 WMD Id: 411201	946 INDUSTRIAL PARKW	W >2 (2.379 mi.)	T94	134
HIR CORP Site Id: MIG000034148 WMD Id: 446468	950 E BRIDGE ST	W >2 (2.422 mi.)	U100	147
NEO-TECH (IST) Site Id: MID980903009 WMD Id: 399329	939 INDUSTRIAL PARKW	W >2 (2.447 mi.)	T102	148
PREFERRED PLASTICS I Site Id: MID059697508 WMD Id: 396517	800 E BRIDGE ST	W >2 (2.481 mi.)	V109	173

MINES MRDS: Mineral Resources Data System

A review of the MINES MRDS list, as provided by EDR, and dated 04/06/2018 has revealed that there is 1 MINES MRDS site within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
W.DOUGLAS SAND EXPOS		ESE 1 - 2 (1.714 mi.)	52	73

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201: The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

A review of the RGA PART 201 list, as provided by EDR, has revealed that there is 1 RGA PART 201 site within approximately 2.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEO-TECH/IST WAREHOU Facility ID: 30202 Facility ID: 3000202	939 INDUSTRIAL PARKW	W >2 (2.447 mi.)	T105	162

EXECUTIVE SUMMARY

RGA LUST: The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

A review of the RGA LUST list, as provided by EDR, has revealed that there are 2 RGA LUST sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOSTER COUNTRY STORE Facility ID: 0-009832	10 106TH AVENUE	NE >2 (2.354 mi.)	S86	124
DOSTER COUNTRY STORE Facility ID: 00009832 Facility ID: 9832	10 106TH AVE	NE >2 (2.354 mi.)	S87	125

EXECUTIVE SUMMARY

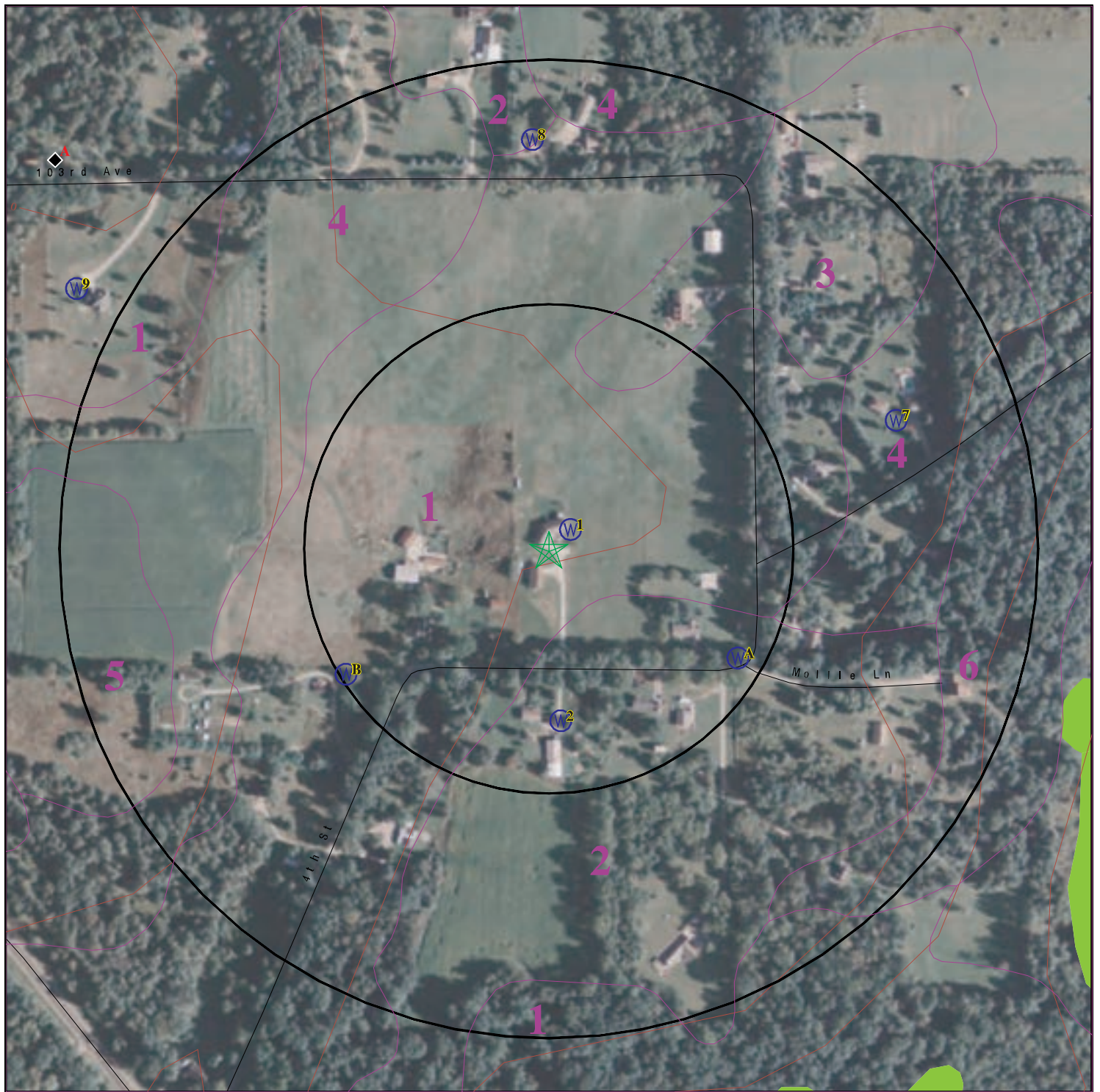
Due to poor or inadequate address information, the following sites were not mapped. Count: 10 records.

<u>Site Name</u>	<u>Database(s)</u>
SECTION 25 GUN PLAIN TOWNSHIP	PART 201, DEL PART 201
KAVCO	SEMS-ARCHIVE
LAKE DOSTER SUBDIVISION AREA	SEMS-ARCHIVE
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL

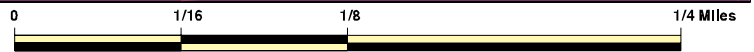
- This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

CLIENT: Fleis and VandenBrink Eng.
CONTACT: Spratt@fveng.com
INQUIRY #: 6869871.2s
DATE: February 22, 2022 7:50 pm

DETAIL MAP - 6869871.2S



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



- Indian Reservations BIA
- National Wetland Inventory
- State Wetlands



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

SITE NAME: 314 4th St
 ADDRESS: 314 4th St
 Plainwell MI 49080
 LAT/LONG: 42.444025 / 85.579976

CLIENT: Fleis and VandenBrink Eng.
 CONTACT: Spratt@fveng.com
 INQUIRY #: 6869871.2s
 DATE: February 22, 2022 7:57 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	2.500		0	0	0	0	0	0
Proposed NPL	2.500		0	0	0	0	0	0
NPL LIENS	2.500		0	0	0	0	0	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	2.500		0	0	0	0	0	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	2.500		0	0	0	0	0	0
SEMS	2.500		0	0	0	0	1	1
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	2.500		0	0	0	0	0	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	2.500		0	0	0	0	0	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	2.500		0	0	0	0	0	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	2.500		0	0	0	0	0	0
RCRA-SQG	2.500		0	0	0	0	1	1
RCRA-VSQG	2.500		0	0	0	0	5	5
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	2.500		0	0	0	0	0	0
US ENG CONTROLS	2.500		0	0	0	0	0	0
US INST CONTROLS	2.500		0	0	0	0	0	0
<i>Federal ERNS list</i>								
ERNS	2.500		0	0	0	1	1	2
<i>Lists of state- and tribal hazardous waste facilities</i>								
SHWS	2.500		0	0	0	0	0	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	2.500		0	0	0	0	0	0
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	2.500		0	0	0	0	1	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	2.500		0	0	0	0	0	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	2.500		0	0	0	0	0	0
UST	2.500		0	0	1	0	5	6
AST	2.500		0	0	0	0	3	3
INDIAN UST	2.500		0	0	0	0	0	0
<i>State and tribal institutional control / engineering control registries</i>								
AUL	2.500		0	0	0	0	0	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	2.500		0	0	0	0	0	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	2.500		0	0	1	0	0	1
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	2.500		0	0	0	0	1	1
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	2.500		0	0	0	0	0	0
HIST LF	2.500		0	0	0	0	0	0
INDIAN ODI	2.500		0	0	0	0	0	0
ODI	2.500		0	0	0	0	0	0
DEBRIS REGION 9	2.500		0	0	0	0	0	0
IHS OPEN DUMPS	2.500		0	0	0	0	0	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	2.500		0	0	0	0	0	0
PART 201	2.500		0	0	0	1	2	3
INVENTORY	2.500		0	0	0	1	7	8
CDL	2.500		0	0	1	0	3	4
DEL PART 201	2.500		0	0	1	0	0	1
US CDL	2.500		0	0	0	0	3	3
PFAS	2.500		0	0	0	0	0	0
<i>Local Land Records</i>								
LIENS	2.500		0	0	0	0	0	0
LIENS 2	2.500		0	0	0	0	0	0
<i>Records of Emergency Release Reports</i>								
HMIRS	2.500		0	0	0	0	0	0
SPILLS	2.500		0	0	0	0	1	1
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	2.500		0	0	2	1	12	15

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	2.500		0	0	0	0	0	0
DOD	2.500		0	0	0	0	0	0
SCRD DRYCLEANERS	2.500		0	0	0	0	0	0
US FIN ASSUR	2.500		0	0	0	0	0	0
EPA WATCH LIST	2.500		0	0	0	0	0	0
2020 COR ACTION	2.500		0	0	0	0	0	0
TSCA	2.500		0	0	0	0	0	0
TRIS	2.500		0	0	0	0	0	0
SSTS	2.500		0	0	0	0	2	2
ROD	2.500		0	0	0	0	0	0
RMP	2.500		0	0	0	0	0	0
RAATS	2.500		0	0	0	0	0	0
PRP	2.500		0	0	0	0	0	0
PADS	2.500		0	0	0	0	0	0
ICIS	2.500		0	0	0	0	0	0
FTTS	2.500		0	0	0	0	0	0
MLTS	2.500		0	0	0	0	0	0
COAL ASH DOE	2.500		0	0	0	0	0	0
COAL ASH EPA	2.500		0	0	0	0	0	0
PCB TRANSFORMER	2.500		0	0	0	0	0	0
RADINFO	2.500		0	0	0	0	0	0
HIST FTTS	2.500		0	0	0	0	0	0
DOT OPS	2.500		0	0	0	0	0	0
CONSENT	2.500		0	0	0	0	0	0
INDIAN RESERV	2.500		0	0	0	0	0	0
FUSRAP	2.500		0	0	0	0	0	0
UMTRA	2.500		0	0	0	0	0	0
LEAD SMELTERS	2.500		0	0	0	0	0	0
US AIRS	2.500		0	0	0	0	1	1
US MINES	2.500		0	0	0	2	0	2
ABANDONED MINES	2.500		0	0	0	0	0	0
FINDS	2.500		0	0	2	1	21	24
UXO	2.500		0	0	0	0	0	0
DOCKET HWC	2.500		0	0	0	0	0	0
ECHO	2.500		0	0	2	1	17	20
FUELS PROGRAM	2.500		0	0	0	0	0	0
AIRS	2.500		0	0	0	0	3	3
ASBESTOS	2.500		0	0	0	0	2	2
BEA	2.500		0	0	0	0	6	6
COAL ASH	2.500		0	0	0	0	0	0
DRYCLEANERS	2.500		0	0	0	0	0	0
Financial Assurance	2.500		0	0	0	0	2	2
LEAD	2.500		0	0	0	0	0	0
NPDES	2.500		0	0	0	0	1	1
UIC	2.500		0	0	0	0	0	0
WDS	2.500		0	0	2	1	26	29
MINES MRDS	2.500		0	0	0	0	1	1

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	2.500		0	0	0	0	0	0
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	2.500		0	0	0	0	0	0
EDR Hist Cleaner	2.500		0	0	0	0	0	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA PART 201	2.500		0	0	0	0	1	1
RGA LF	2.500		0	0	0	0	0	0
RGA LUST	2.500		0	0	0	0	2	2
- Totals --		0	0	0	12	9	131	152

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

EDR ID Number
EPA ID Number

	Site	Database(s)	
A1	MI DEPT/STATE POLICE	RCRA NonGen / NLR	1012181258
NW	433 103RD AVE		MIK896162336
1/4-1/2	PLAINWELL, MI 49080		
0.321 mi.			
1695 ft.	Site 1 of 3 in cluster A		
Relative:	RCRA NonGen / NLR:		
Lower	Date Form Received by Agency:	20090714	
	Handler Name:	MI DEPT/STATE POLICE	
Actual:	Handler Address:	433 103RD AVE	
828 ft.	Handler City,State,Zip:	PLAINWELL, MI 49080	
	EPA ID:	MIK896162336	
	Contact Name:	BRETT ENSFIELD	
	Contact Address:	433 103RD AVE	
	Contact City,State,Zip:	PLAINWELL, MI 49080	
	Contact Telephone:	616-218-9921	
	Contact Fax:	Not reported	
	Contact Email:	Not reported	
	Contact Title:	Not reported	
	EPA Region:	05	
	Land Type:	State	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Not reported	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	12220 FILLMORE ST	
	Mailing City,State,Zip:	WEST OLIVE, MI 49460	
	Owner Name:	MICHIGAN STATE POLICE	
	Owner Type:	State	
	Operator Name:	MICHIGAN STATE POLICE	
	Operator Type:	State	
	Short-Term Generator Activity:	No	
	Importer Activity:	No	
	Mixed Waste Generator:	No	
	Transporter Activity:	No	
	Transfer Facility Activity:	No	
	Recycler Activity with Storage:	No	
	Small Quantity On-Site Burner Exemption:	No	
	Smelting Melting and Refining Furnace Exemption:	No	
	Underground Injection Control:	No	
	Off-Site Waste Receipt:	No	
	Universal Waste Indicator:	No	
	Universal Waste Destination Facility:	No	
	Federal Universal Waste:	No	
	Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site Converter Treatment storage and Disposal Facility:	Not reported	
	Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	NN	
	Sub-Part K Indicator:	Not reported	
	Commercial TSD Indicator:	No	
	Treatment Storage and Disposal Type:	Not reported	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	Permit Renewals Workload Universe:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1012181258

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20090714
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20090714
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1012181258

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20090714
Handler Name: MI DEPT/STATE POLICE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

A2
NW
1/4-1/2
0.321 mi.
1695 ft.

MI DEPT/STATE POLICE
433 103RD AVE
PLAINWELL, MI 49080
Site 2 of 3 in cluster A

WDS S111982067
N/A

Relative:
Lower
Actual:
828 ft.

WDS:
Name: MI DEPT/STATE POLICE
Address: 433 103RD AVE
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIK896162336
WMD Id: 486359
Site Specific Name: MI DEPT/STATE POLICE
Mailing Address: 12220 FILLMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
NW
1/4-1/2
0.321 mi.
1695 ft.
MI DEPT/STATE POLICE
433 103RD AVE
PLAINWELL, MI 49080
Site 3 of 3 in cluster A

FINDS **1012235585**
ECHO **N/A**

Relative:
Lower

FINDS:
Registry ID: 110039564165

Actual:
828 ft.

Click Here:

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1012235585
Registry ID: 110039564165
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110039564165>
Name: MI DEPT/STATE POLICE
Address: 433 103RD AVE
City,State,Zip: PLAINWELL, MI 49080

4
SSW
1/4-1/2
0.358 mi.
1892 ft.
LARRY HILTON
204 FOURTH ST
CALEDONIA, MI 49316

UST **U000249152**
N/A

Relative:
Lower

UST:
Name: LARRY HILTON
Address: 204 FOURTH ST
City,State,Zip: CALEDONIA 49316
Facility Type: CLOSED
Facility ID: 00018467
Owner Name: LARRY HILTON
Owner Address: 204 FOURTH ST
Owner City: CALEDONIA
Owner State: MI
Owner Zip: 49316
Owner Contact: Not reported
Owner Phone: 6168911803
Contact: LARRY HILTON
Contact Phone: (616) 891-1803
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 3 - Grand Rapids District Office
Tank ID: 2

Actual:
832 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LARRY HILTON (Continued)

U000249152

Capacity: 1000
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: 05/06/1985
Remove Date: 02/19/1998
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: 42.43958
Longitude: -85.58360

Name: LARRY HILTON
Address: 204 FOURTH ST
City,State,Zip: CALEDONIA 49316
Facility Type: CLOSED
Facility ID: 00018467
Owner Name: LARRY HILTON
Owner Address: 204 FOURTH ST
Owner City: CALEDONIA
Owner State: MI
Owner Zip: 49316
Owner Contact: Not reported
Owner Phone: 6168911803
Contact: LARRY HILTON
Contact Phone: (616) 891-1803
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 3 - Grand Rapids District Office
Tank ID: 1
Capacity: 1000
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: 05/07/1983
Remove Date: 02/19/1998
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: 42.43958
Longitude: -85.58360

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
B5 WSW 1/4-1/2 0.411 mi. 2168 ft.	GUN PLAIN RES WELLS 5TH STREET & M89 PLAINWELL, MI 49080 Site 1 of 6 in cluster B	DEL PART 201	S109952294 N/A
Relative: Lower Actual: 859 ft.	DEL_PART201: Facility ID: 03000080 Status: Deleted - available documentation does not support listing		
B6 WSW 1/4-1/2 0.411 mi. 2168 ft.	MICHIGAN STATE POLICE - WEMET 5TH ST & M-89 PLAINWELL, MI 49080 Site 2 of 6 in cluster B	WDS	S111984265 N/A
Relative: Lower Actual: 859 ft.	WDS: Name: MICHIGAN STATE POLICE - WEMET Address: 5TH ST & M-89 City,State,Zip: PLAINWELL, MI 49080 Site Id: MIK149323301 WMD Id: 489323 Site Specific Name: MICHIGAN STATE POLICE - WEMET Mailing Address: 12220 FILLMORE ST Mailing City/State/Zip: 49460 Mailing County: OTTAWA		
B7 WSW 1/4-1/2 0.411 mi. 2168 ft.	MICHIGAN STATE POLICE - WEMET 5TH ST & M-89 PLAINWELL, MI 49080 Site 3 of 6 in cluster B	RCRA NonGen / NLR	1014924201 MIK149323301
Relative: Lower Actual: 859 ft.	RCRA NonGen / NLR: Date Form Received by Agency: 20110406 Handler Name: MICHIGAN STATE POLICE - WEMET Handler Address: 5TH ST & M-89 Handler City,State,Zip: PLAINWELL, MI 49080 EPA ID: MIK149323301 Contact Name: MIKE ANDERSON Contact Address: Not reported Contact City,State,Zip: Not reported Contact Telephone: 616-218-9921 Contact Fax: Not reported Contact Email: Not reported Contact Title: Not reported EPA Region: 05 Land Type: State Federal Waste Generator Description: Not a generator, verified Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Not reported State District Owner: Not reported State District: Not reported Mailing Address: 12220 FILLMORE ST Mailing City,State,Zip: WEST OLIVE, MI 49460 Owner Name: MICHIGAN STATE POLICE - WEMET		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN STATE POLICE - WEMET (Continued)

1014924201

Owner Type:	State
Operator Name:	MICHIGAN STATE POLICE - WEMET
Operator Type:	State
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20111227
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN STATE POLICE - WEMET (Continued)

1014924201

Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: MICHIGAN STATE POLICE - WEMET
Legal Status: State
Date Became Current: 20110406
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MICHIGAN STATE POLICE - WEMET
Legal Status: State
Date Became Current: 20110406
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20110406
Handler Name: MICHIGAN STATE POLICE - WEMET
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN STATE POLICE - WEMET (Continued)

1014924201

Evaluations:

No Evaluations Found

B8
WSW
1/4-1/2
0.411 mi.
2168 ft.

MICHIGAN STATE POLICE - WEMET
5TH ST & M-89
PLAINWELL, MI 49080
Site 4 of 6 in cluster B

FINDS **1015867344**
ECHO **N/A**

Relative:
Lower

FINDS:
Registry ID: 110044812655

Actual:
859 ft.

Click Here:

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1015867344
Registry ID: 110044812655
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110044812655>
Name: MICHIGAN STATE POLICE - WEMET
Address: 5TH ST & M-89
City,State,Zip: PLAINWELL, MI 49080

B9
WSW
1/4-1/2
0.411 mi.
2169 ft.

GUN PLAIN RES WELL
M89 & 103RD STREET
PLAINWELL, MI
Site 5 of 6 in cluster B

BROWNFIELDS **S108416859**
N/A

Relative:
Lower

BROWNFIELDS:
Facility ID: Not reported
Region: 1
Status: Not reported
Property Use: Not reported
BEA: No
Ernie Id Number: 03000080

Actual:
859 ft.

B10		CDL	S125918056
WSW	448 M89 HWY		N/A
1/4-1/2	PLAINWELL, MI 49080		
0.419 mi.			
2213 ft.	Site 6 of 6 in cluster B		

Relative:	CDL:	
Lower	Name:	Not reported
Actual:	Address:	448 M89 HWY
859 ft.	City:	PLAINWELL
	Date:	Not reported
	Type:	Not reported
	Cross street:	Not reported
	Lab type:	Not reported
	Agency:	Allegan County Sheriff's Office
	Complaint #:	Not reported
	Oic:	Not reported
	Child:	Not reported
	Fire:	Not reported
	Injuries:	Not reported
	Who:	Not reported
	Lab:	Not reported
	Dump:	Not reported
	Glass:	Not reported
	Unknown:	Not reported
	<2:	Not reported
	2 - 8oz:	Not reported
	9oz - 1lb:	Not reported
	2 - 9lb:	Not reported
	10 - 19lb:	Not reported
	20lb >:	Not reported
	Chemical:	Methamphetamines
	Quantity Seized:	1894
	ORI Number:	MI0310300
	Incident Number:	1900013398
	Incident Date:	08/01/2019
	Entry Date:	02/12/2020
	Loss Type:	6
	Unit of Measure:	Gram
	Latitude:	0
	Longitude:	0
	ORI Name:	15680203
	Micr Incidents ID:	Not reported
	Drug Desc:	Not reported

11	GUN PLAIN TOWNSHIP LANDFILL	PART 201	S109952124
WNW	5TH STREET	INVENTORY	N/A
1/2-1	PLAINWELL, MI 49080		
0.509 mi.			
2686 ft.			

Relative:	PART 201:	
Lower	Facility ID:	3000057
Actual:	Facility Status:	Remedial Action in Progress (may incl. use restrictions, O&M and/or monitoring)
857 ft.	Source:	Refuse Systems
	SAM Score:	23
	SAM Score Date:	03/29/2004
	Township:	01N
	Range:	11W

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUN PLAIN TOWNSHIP LANDFILL (Continued)

S109952124

Section: 27
Quarter: NE
Quarter/Quarter: SE
Pollutants: Pb; TCE; Zn

INVENTORY:

Name: GUN PLAIN TOWNSHIP LANDFILL
Address: 5TH STREET
City,State,Zip: PLAINWELL, MI 49080
Township: Not reported
District: Kalamazoo
Data Source: Risks Controlled
Location ID: 5609
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Spruit, Jeffrey
Latitude: 42.44609
Longitude: -85.589532

C12
SE
1/2-1
0.687 mi.
3629 ft.

DOSTER PIT
265 M-89
PLAINWELL, MI 49080
Site 1 of 3 in cluster C

US MINES 1024913511
N/A

Relative:
Lower
Actual:
846 ft.

MINES VIOLATIONS:
Name: DOSTER PIT
Address: 265 M-89
City,State,Zip: PLAINWELL, MI 49080
Facility ID: Not reported

MINES VIOLATIONS:
Violation Number: 9389260
Mine ID: 2002868
Contractor ID: Not reported
Date Issued: 6/23/2020
Action Type: 104(a)
Type of Issue: Citation
S and S: N
Term Date: 6/24/2020
Title 30 Code of Federal Regulations: 56.14112(b)
Proposed Penalty: 123.00
Assessment Amount: 123.00
Paid Penalty Amount: 123.00
Assessment Case Status: Not reported
Assessment Status: Proposed
Year: 2020
Address Type: MineLocation
PO Box: Not reported
Address: 265 E M-89 HWY
City: PLAINWELL
State: MI
Operator: High Grade Materials Co
Zip: 49080
Mine Controller Name: Amber Hoover; Amy Watson; James Sturuss Jr
Name: DOSTER PIT
Ownership Date: 4/18/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOSTER PIT (Continued)

1024913511

Mine Status: Active
Status Date: 4/15/2014
Primary Site Description: Construction Sand and Gravel
Mine Type: Surface
State 2: MI
County: ALLEGAN

Violation Number: 9389261
Mine ID: 2002868
Contractor ID: Not reported
Date Issued: 6/23/2020
Action Type: 104(a)
Type of Issue: Citation
S and S: N
Term Date: 6/23/2020
Title 30 Code of Federal Regulations: 56.16005
Proposed Penalty: 123.00
Assessment Amount: 123.00
Paid Penalty Amount: 123.00
Assessment Case Status: Not reported
Assessment Status: Proposed
Year: 2020
Address Type: MineLocation
PO Box: Not reported
Address: 265 E M-89 HWY
City: PLAINWELL
State: MI
Operator: High Grade Materials Co
Zip: 49080
Mine Controller Name: Amber Hoover; Amy Watson; James Sturru Jr
Name: DOSTER PIT
Ownership Date: 4/18/2005
Mine Status: Active
Status Date: 4/15/2014
Primary Site Description: Construction Sand and Gravel
Mine Type: Surface
State 2: MI
County: ALLEGAN

Violation Number: 9389262
Mine ID: 2002868
Contractor ID: Not reported
Date Issued: 6/23/2020
Action Type: 104(a)
Type of Issue: Citation
S and S: N
Term Date: 6/24/2020
Title 30 Code of Federal Regulations: 56.14100(b)
Proposed Penalty: 123.00
Assessment Amount: 123.00
Paid Penalty Amount: 123.00
Assessment Case Status: Not reported
Assessment Status: Proposed
Year: 2020
Address Type: MineLocation
PO Box: Not reported
Address: 265 E M-89 HWY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOSTER PIT (Continued)

1024913511

City: PLAINWELL
State: MI
Operator: High Grade Materials Co
Zip: 49080
Mine Controller Name: Amber Hoover; Amy Watson; James Sturru Jr
Name: DOSTER PIT
Ownership Date: 4/18/2005
Mine Status: Active
Status Date: 4/15/2014
Primary Site Description: Construction Sand and Gravel
Mine Type: Surface
State 2: MI
County: ALLEGAN

Violation Number: 9389144
Mine ID: 2002868
Contractor ID: Not reported
Date Issued: 1/11/2021
Action Type: 104(a)
Type of Issue: Citation
S and S: N
Term Date: 1/25/2021
Title 30 Code of Federal Regulations: 56.12005
Proposed Penalty: 125.00
Assessment Amount: 125.00
Paid Penalty Amount: 125.00
Assessment Case Status: Not reported
Assessment Status: Proposed
Year: 2021
Address Type: MineLocation
PO Box: Not reported
Address: 265 E M-89 HWY
City: PLAINWELL
State: MI
Operator: High Grade Materials Co
Zip: 49080
Mine Controller Name: Amber Hoover; Amy Watson; James Sturru Jr
Name: DOSTER PIT
Ownership Date: 4/18/2005
Mine Status: Active
Status Date: 4/15/2014
Primary Site Description: Construction Sand and Gravel
Mine Type: Surface
State 2: MI
County: ALLEGAN

Violation Number: 9389145
Mine ID: 2002868
Contractor ID: Not reported
Date Issued: 1/11/2021
Action Type: 104(a)
Type of Issue: Citation
S and S: Y
Term Date: 1/25/2021
Title 30 Code of Federal Regulations: 56.14107(a)
Proposed Penalty: 125.00
Assessment Amount: 125.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOSTER PIT (Continued)

1024913511

Paid Penalty Amount: 125.00
Assessment Case Status: Not reported
Assessment Status: Proposed
Year: 2021
Address Type: MineLocation
PO Box: Not reported
Address: 265 E M-89 HWY
City: PLAINWELL
State: MI
Operator: High Grade Materials Co
Zip: 49080
Mine Controller Name: Amber Hoover; Amy Watson; James Sturuss Jr
Name: DOSTER PIT
Ownership Date: 4/18/2005
Mine Status: Active
Status Date: 4/15/2014
Primary Site Description: Construction Sand and Gravel
Mine Type: Surface
State 2: MI
County: ALLEGAN

Violation Number: 9389146
Mine ID: 2002868
Contractor ID: Not reported
Date Issued: 1/11/2021
Action Type: 104(a)
Type of Issue: Citation
S and S: Y
Term Date: 1/25/2021
Title 30 Code of Federal Regulations: 56.14107(a)
Proposed Penalty: 125.00
Assessment Amount: 125.00
Paid Penalty Amount: 125.00
Assessment Case Status: Not reported
Assessment Status: Proposed
Year: 2021
Address Type: MineLocation
PO Box: Not reported
Address: 265 E M-89 HWY
City: PLAINWELL
State: MI
Operator: High Grade Materials Co
Zip: 49080
Mine Controller Name: Amber Hoover; Amy Watson; James Sturuss Jr
Name: DOSTER PIT
Ownership Date: 4/18/2005
Mine Status: Active
Status Date: 4/15/2014
Primary Site Description: Construction Sand and Gravel
Mine Type: Surface
State 2: MI
County: ALLEGAN

Violation Number: 9389147
Mine ID: 2002868
Contractor ID: Not reported
Date Issued: 1/11/2021

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOSTER PIT (Continued)

1024913511

Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	1/12/2021
Title 30 Code of Federal Regulations:	56.9300(a)
Proposed Penalty:	125.00
Assessment Amount:	125.00
Paid Penalty Amount:	125.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2021
Address Type:	MineLocation
PO Box:	Not reported
Address:	265 E M-89 HWY
City:	PLAINWELL
State:	MI
Operator:	High Grade Materials Co
Zip:	49080
Mine Controller Name:	Amber Hoover; Amy Watson; James Sturuss Jr
Name:	DOSTER PIT
Ownership Date:	4/18/2005
Mine Status:	Active
Status Date:	4/15/2014
Primary Site Description:	Construction Sand and Gravel
Mine Type:	Surface
State 2:	MI
County:	ALLEGAN
Violation Number:	9389148
Mine ID:	2002868
Contractor ID:	Not reported
Date Issued:	1/11/2021
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	1/12/2021
Title 30 Code of Federal Regulations:	56.14101(a)(2)
Proposed Penalty:	125.00
Assessment Amount:	125.00
Paid Penalty Amount:	125.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2021
Address Type:	MineLocation
PO Box:	Not reported
Address:	265 E M-89 HWY
City:	PLAINWELL
State:	MI
Operator:	High Grade Materials Co
Zip:	49080
Mine Controller Name:	Amber Hoover; Amy Watson; James Sturuss Jr
Name:	DOSTER PIT
Ownership Date:	4/18/2005
Mine Status:	Active
Status Date:	4/15/2014
Primary Site Description:	Construction Sand and Gravel
Mine Type:	Surface

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOSTER PIT (Continued)

1024913511

State 2:	MI
County:	ALLEGAN
Violation Number:	9389149
Mine ID:	2002868
Contractor ID:	Not reported
Date Issued:	1/11/2021
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	1/12/2021
Title 30 Code of Federal Regulations:	56.11016
Proposed Penalty:	125.00
Assessment Amount:	125.00
Paid Penalty Amount:	125.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2021
Address Type:	MineLocation
PO Box:	Not reported
Address:	265 E M-89 HWY
City:	PLAINWELL
State:	MI
Operator:	High Grade Materials Co
Zip:	49080
Mine Controller Name:	Amber Hoover; Amy Watson; James Sturru Jr
Name:	DOSTER PIT
Ownership Date:	4/18/2005
Mine Status:	Active
Status Date:	4/15/2014
Primary Site Description:	Construction Sand and Gravel
Mine Type:	Surface
State 2:	MI
County:	ALLEGAN
Violation Number:	9389150
Mine ID:	2002868
Contractor ID:	Not reported
Date Issued:	1/11/2021
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	1/25/2021
Title 30 Code of Federal Regulations:	56.14107(a)
Proposed Penalty:	125.00
Assessment Amount:	125.00
Paid Penalty Amount:	125.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2021
Address Type:	MineLocation
PO Box:	Not reported
Address:	265 E M-89 HWY
City:	PLAINWELL
State:	MI
Operator:	High Grade Materials Co
Zip:	49080

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOSTER PIT (Continued)

1024913511

Mine Controller Name: Amber Hoover; Amy Watson; James Sturuss Jr
Name: DOSTER PIT
Ownership Date: 4/18/2005
Mine Status: Active
Status Date: 4/15/2014
Primary Site Description: Construction Sand and Gravel
Mine Type: Surface
State 2: MI
County: ALLEGAN

Violation Number: 9389151
Mine ID: 2002868
Contractor ID: Not reported
Date Issued: 1/12/2021
Action Type: 104(a)
Type of Issue: Citation
S and S: N
Term Date: 1/25/2021
Title 30 Code of Federal Regulations: 56.12028
Proposed Penalty: 125.00
Assessment Amount: 125.00
Paid Penalty Amount: 125.00
Assessment Case Status: Not reported
Assessment Status: Proposed
Year: 2021
Address Type: MineLocation
PO Box: Not reported
Address: 265 E M-89 HWY
City: PLAINWELL
State: MI
Operator: High Grade Materials Co
Zip: 49080
Mine Controller Name: Amber Hoover; Amy Watson; James Sturuss Jr
Name: DOSTER PIT
Ownership Date: 4/18/2005
Mine Status: Active
Status Date: 4/15/2014
Primary Site Description: Construction Sand and Gravel
Mine Type: Surface
State 2: MI
County: ALLEGAN

[Click this hyperlink](#) while viewing on your computer to access
57 additional US_MINES_VIOLATIONS: record(s) in the EDR Site Report.

C13
SE
1/2-1
0.687 mi.
3629 ft.

265 M 89
PLAINWELL, MI
Site 2 of 3 in cluster C

ERNS 2008867435
N/A

Relative:
Lower
Actual:
846 ft.

Incident Commons:
NRC Report #: 867435
Description of Incident: CALLER STATED IT WAS DISCOVERED TODAY THAT DUE TO HIGH WINDS IN THE AREA THERE WAS A SPILL OF MATERIALS FROM A POLE MOUNTED TRANSFORMER. THE HIGH VELOCITY WINDS BROKE THE POLE RESULTING IN A SPILL OF MATERIALS WHEN THE TRANSFORMER HIT THE GROUND. CALLER STATED 50

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2008867435

GALLONS OF OIL, MISC: MINERAL (NON PCB'S) SPILLED ONTO THE GROUND AND INTO A GRAVEL PIT POND.

Type of Incident: FIXED
Incident Cause: NATURAL PHENOMENON
Incident Date Time: 2008-04-09 09:00:00
Incident DTG: DISCOVERED
Incident Location: POLE MOUNTED TRANSFORMER
Loaction Address: 265 M 89
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: PLAINWELL
Location State: MI
Location County: ALLEGAN
Location Zip: Not reported
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Incidents:

NRC Report #: 867435
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported
Aircraft Runway Number: Not reported
Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: TRANSFORMER
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U
Pipeline Type: Not reported
DOT Regulated: U
Pipeline Above Ground: ABOVE
Exposed Underwater: N
Pipeline Covered: U
Railroad Hotline: Not reported
Grade Crossing: U
Location Subdivision: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2008867435

Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2008867435

Incident Details:

NRC Report #:	867435
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	GRAVEL PIT POND
Body of Water:	GRAVEL PIT POND
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	CALLER STATED THEY HAVE A RESPONSE CONTRACTOR ON THE SCENE THAT WILL VACUUM THE MATERIALS FROM THE POND AND CLEAN UP THE SOIL.
State Agency on Scene:	NONE
State Agency Report Number:	NONE
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	45
Wind Speed:	20
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2008867435

Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	MPH
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track Closure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	NO ADDITIONAL INFORMATION.
State Agency Notified:	NONE
Federal Agency Notified:	NONE
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	867435
Site ID:	2008867435
Date Time Received:	2008-04-09 10:45:15
Date Time Complete:	2008-04-09 10:53:48
Call Type:	INC
Responsible Company:	CONSUMERS ENERGY
Responsible Org Type:	PUBLIC UTILITY
Responsible City:	OWOSSO
Responsible State:	MI
Responsible Zip:	48867
On Behalf:	Y
Source:	TELEPHONE

Material Involved:

NRC Report #:	867435
Chris Code:	OMN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	50
Unit of Measure:	GALLON(S)
Name of Material:	OIL, MISC: MINERAL (NON PCB'S)
If Reached Water:	YES
Amount in Water:	1
Unit of Measure Reach Water:	GALLON(S)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

C14 **HIGH GRADE MATERIALS CO**
SE
1/2-1 **ALLEGAN (County), MI**
0.722 mi.
3814 ft. **Site 3 of 3 in cluster C**

US MINES **1014430910**
 N/A

Relative: US MINES:
Lower Sic Code(s): 144200
 Sic Code(s): 000000
Actual: Sic Code(s): 000000
862 ft. Sic Code(s): 000000
 Sic Code(s): 000000
 Sic Code(s): 000000
 Mine ID: 2002868
 Entity Name: DOSTER PIT
 Company: HIGH GRADE MATERIALS CO
 Status: Full-Time Permanent
 Status Date: 20140415
 Operation Class: 2
 Number of Shops: 0
 Number of Plants: 0
 Latitude Degree: 42
 Longitude Degree: 085
 Latitude Minute: 26
 Latitude Seconds: 08
 Longitude Minutes: 34
 Longitude Seconds: 18
 Number of Pits: 000

D15 **MI DEPT/STATE POLICE**
NNE **500 3RD ST**
1/2-1 **PLAINWELL, MI 49080**
0.930 mi.
4912 ft. **Site 1 of 3 in cluster D**

RCRA NonGen / NLR **1014392911**
 MIK874246572

Relative: RCRA NonGen / NLR:
Lower Date Form Received by Agency: 20101026
Actual: Handler Name: MI DEPT/STATE POLICE
853 ft. Handler Address: 500 3RD ST
 Handler City,State,Zip: PLAINWELL, MI 49080
 EPA ID: MIK874246572
 Contact Name: MIKE ANDERSON
 Contact Address: 500 3RD ST
 Contact City,State,Zip: PLAINWELL, MI 49080
 Contact Telephone: 616-218-9921
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 05
 Land Type: State
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Not reported
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: 12220 FILMORE ST
 Mailing City,State,Zip: WEST OLIVE, MI 49460
 Owner Name: MICHIGAN STATE POLICE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392911

Owner Type:	State
Operator Name:	MICHIGAN STATE POLICE
Operator Type:	State
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392911

Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: MICHIGAN STATE POLICE
Legal Status: State
Date Became Current: 20101026
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MICHIGAN STATE POLICE
Legal Status: State
Date Became Current: 20101026
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20101026
Handler Name: MI DEPT/STATE POLICE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392911

Evaluations:

No Evaluations Found

D16
NNE
1/2-1
0.930 mi.
4912 ft.
Relative:
Lower
Actual:
853 ft.

MI DEPT/STATE POLICE
500 3RD ST
PLAINWELL, MI 49080
Site 2 of 3 in cluster D

FINDS **1014732962**
ECHO **N/A**

FINDS:

Registry ID: 110043185905

Click Here:

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1014732962
Registry ID: 110043185905
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110043185905>
Name: MI DEPT/STATE POLICE
Address: 500 3RD ST
City,State,Zip: PLAINWELL, MI 49080

D17
NNE
1/2-1
0.930 mi.
4912 ft.

MI DEPT/STATE POLICE
500 3RD ST
PLAINWELL, MI 49080
Site 3 of 3 in cluster D

WDS **S111983764**
N/A

Relative:
Lower
Actual:
853 ft.

WDS:

Name: MI DEPT/STATE POLICE
Address: 500 3RD ST
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIK874246572
WMD Id: 488606
Site Specific Name: MI DEPT/STATE POLICE
Mailing Address: 12220 FILMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	EDR ID Number EPA ID Number
E18	MI DEPT/STATE POLICE	RCRA NonGen / NLR	1014392014
NNW	427 105TH AVE		MIK432166841
> 1	PLAINWELL, MI 49080		
1.004 mi.	Site 1 of 3 in cluster E		
5302 ft.			
Relative:	RCRA NonGen / NLR:		
Higher	Date Form Received by Agency:	20100622	
	Handler Name:	MI DEPT/STATE POLICE	
Actual:	Handler Address:	427 105TH AVE	
893 ft.	Handler City,State,Zip:	PLAINWELL, MI 49080	
	EPA ID:	MIK432166841	
	Contact Name:	MIKE ANDERSON	
	Contact Address:	427 105TH AVE	
	Contact City,State,Zip:	PLAINWELL, MI 49080	
	Contact Telephone:	616-218-9921	
	Contact Fax:	Not reported	
	Contact Email:	Not reported	
	Contact Title:	Not reported	
	EPA Region:	05	
	Land Type:	State	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Not reported	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	12220 FILLMORE ST	
	Mailing City,State,Zip:	WEST OLIVE, MI 49460	
	Owner Name:	MICHIGAN STATE POLICE	
	Owner Type:	State	
	Operator Name:	MICHIGAN STATE POLICE	
	Operator Type:	State	
	Short-Term Generator Activity:	No	
	Importer Activity:	No	
	Mixed Waste Generator:	No	
	Transporter Activity:	No	
	Transfer Facility Activity:	No	
	Recycler Activity with Storage:	No	
	Small Quantity On-Site Burner Exemption:	No	
	Smelting Melting and Refining Furnace Exemption:	No	
	Underground Injection Control:	No	
	Off-Site Waste Receipt:	No	
	Universal Waste Indicator:	No	
	Universal Waste Destination Facility:	No	
	Federal Universal Waste:	No	
	Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site Converter Treatment storage and Disposal Facility:	Not reported	
	Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	NN	
	Sub-Part K Indicator:	Not reported	
	Commercial TSD Indicator:	No	
	Treatment Storage and Disposal Type:	Not reported	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	Permit Renewals Workload Universe:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392014

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20100622
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20100622
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392014

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20100622
Handler Name: MI DEPT/STATE POLICE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**E19
NNW
> 1
1.004 mi.
5302 ft.**

**MI DEPT/STATE POLICE
427 105TH AVE
PLAINWELL, MI 49080
Site 2 of 3 in cluster E**

**WDS S111983312
N/A**

**Relative:
Higher
Actual:
893 ft.**

WDS:
Name: MI DEPT/STATE POLICE
Address: 427 105TH AVE
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIK432166841
WMD Id: 488045
Site Specific Name: MI DEPT/STATE POLICE
Mailing Address: 12220 FILLMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

E20
NNW
> 1
1.004 mi.
5302 ft.
MI DEPT/STATE POLICE
427 105TH AVE
PLAINWELL, MI 49080
Site 3 of 3 in cluster E

FINDS **1014730223**
ECHO **N/A**

Relative:
Higher
Actual:
893 ft.

FINDS:
Registry ID: 110042156868

Click Here:

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1014730223
Registry ID: 110042156868
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110042156868>
Name: MI DEPT/STATE POLICE
Address: 427 105TH AVE
City,State,Zip: PLAINWELL, MI 49080

F21
ESE
> 1
1.033 mi.
5455 ft.
MICHIGAN STATE POLICE - WEMET
215 2ND ST
PLAINWELL, MI 49080
Site 1 of 3 in cluster F

WDS **S111985135**
N/A

Relative:
Higher
Actual:
931 ft.

WDS:
Name: MICHIGAN STATE POLICE - WEMET
Address: 215 2ND ST
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIK108664419
WMD Id: 490463
Site Specific Name: MICHIGAN STATE POLICE - WEMET
Mailing Address: 12220 FILLMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

F22
ESE
> 1
1.033 mi.
5455 ft.
MICHIGAN STATE POLICE - WEMET
215 2ND ST
PLAINWELL, MI 49080
Site 2 of 3 in cluster F

FINDS **1015905733**
ECHO **N/A**

Relative:
Higher
Actual:
931 ft.

FINDS:
Registry ID: 110044816385

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN STATE POLICE - WEMET (Continued)

1015905733

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

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

ECHO:

Envid: 1015905733
Registry ID: 110044816385
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110044816385>
Name: MICHIGAN STATE POLICE - WEMET
Address: 215 2ND ST
City,State,Zip: PLAINWELL, MI 49080

F23
ESE
> 1
1.033 mi.
5455 ft.

MICHIGAN STATE POLICE - WEMET
215 2ND ST
PLAINWELL, MI 49080

RCRA NonGen / NLR

1014923920
MIK108664419

Site 3 of 3 in cluster F

Relative:
Higher
Actual:
931 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20111207
Handler Name: MICHIGAN STATE POLICE - WEMET
Handler Address: 215 2ND ST
Handler City,State,Zip: PLAINWELL, MI 49080
EPA ID: MIK108664419
Contact Name: TAYLOR BONOVETZ
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: 269-214-1415
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: State
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 12220 FILLMORE ST
Mailing City,State,Zip: WEST OLIVE, MI 49460
Owner Name: MICHIGAN STATE POLICE - WEMET
Owner Type: State
Operator Name: MICHIGAN STATE POLICE - WEMET
Operator Type: State
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN STATE POLICE - WEMET (Continued)

1014923920

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20111227
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
---------------------------	----------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN STATE POLICE - WEMET (Continued)

1014923920

Owner/Operator Name:	MICHIGAN STATE POLICE - WEMET
Legal Status:	State
Date Became Current:	20111207
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHIGAN STATE POLICE - WEMET
Legal Status:	State
Date Became Current:	20111207
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20111207
Handler Name:	MICHIGAN STATE POLICE - WEMET
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
--------------	----------------------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

G24
South
> 1
1.167 mi.
6163 ft.

MI DEPT/STATE POLICE
398 KENNETH ST
PLAINWELL, MI 49080

Site 1 of 3 in cluster G

WDS **S111973002**
N/A

Relative: WDS:
Lower Name: MI DEPT/STATE POLICE
Address: 398 KENNETH ST
Actual: City,State,Zip: PLAINWELL, MI 49080
801 ft. Site Id: MIK981941818
WMD Id: 469676
Site Specific Name: MI DEPT/STATE POLICE
Mailing Address: 12220 FILLMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

G25
South
> 1
1.167 mi.
6163 ft.

MI DEPT/STATE POLICE
398 KENNETH ST
PLAINWELL, MI 49080

Site 2 of 3 in cluster G

RCRA NonGen / NLR **1007101476**
MIK981941818

Relative: RCRA NonGen / NLR:
Lower Date Form Received by Agency: 20020531
Handler Name: MI DEPT/STATE POLICE
Handler Address: 398 KENNETH ST
Handler City,State,Zip: PLAINWELL, MI 49080
EPA ID: MIK981941818
Contact Name: RON WOLTERS
Contact Address: 398 KENNETH ST
Contact City,State,Zip: PLAINWELL, MI 49080
Contact Telephone: 616-994-6520
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: State
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 12220 FILLMORE ST
Mailing City,State,Zip: WEST OLIVE, MI 49460
Owner Name: MI DEPT/STATE POLICE
Owner Type: State
Operator Name: MI DEPT/STATE POLICE
Operator Type: State
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1007101476

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MI DEPT/STATE POLICE
Legal Status:	State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1007101476

Date Became Current:	20020531
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MI DEPT/STATE POLICE
Legal Status:	State
Date Became Current:	20020531
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:	
Receive Date:	20020531
Handler Name:	MI DEPT/STATE POLICE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:	
NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

Facility Has Received Notices of Violations:	
Violations:	No Violations Found

Evaluation Action Summary:	
Evaluations:	No Evaluations Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

G26
South
> 1
1.167 mi.
6163 ft.
MI DEPT/STATE POLICE
398 KENNETH ST
PLAINWELL, MI 49080
Site 3 of 3 in cluster G

FINDS
ECHO
1007140554
N/A

Relative:
Lower
Actual:
801 ft.

FINDS:
Registry ID: 110015889181

Click Here:

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1007140554
Registry ID: 110015889181
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110015889181>
Name: MI DEPT/STATE POLICE
Address: 398 KENNETH ST
City,State,Zip: PLAINWELL, MI 49080

H27
SSW
> 1
1.192 mi.
6293 ft.
MI DEPT/STATE POLICE
487 RIVERVIEW DR
PLAINWELL, MI 49080
Site 1 of 4 in cluster H

FINDS
ECHO
1010440103
N/A

Relative:
Lower
Actual:
775 ft.

FINDS:
Registry ID: 110031408233

Click Here:

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1010440103
Registry ID: 110031408233
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110031408233>
Name: MI DEPT/STATE POLICE
Address: 487 RIVERVIEW DR
City,State,Zip: PLAINWELL, MI 49080

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

H28
SSW
> 1
1.192 mi.
6293 ft.

MI DEPT/STATE POLICE
487 RIVERVIEW DR
PLAINWELL, MI 49080

Site 2 of 4 in cluster H

WDS **S111979073**
N/A

Relative: WDS:
Lower Name: MI DEPT/STATE POLICE
Address: 487 RIVERVIEW DR
Actual: City,State,Zip: PLAINWELL, MI 49080
775 ft. Site Id: MIK216822833
WMD Id: 482088
Site Specific Name: MI DEPT/STATE POLICE
Mailing Address: 12220 FILLMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

H29
SSW
> 1
1.192 mi.
6293 ft.

MI DEPT/STATE POLICE
487 RIVERVIEW DR
PLAINWELL, MI 49080

Site 3 of 4 in cluster H

RCRA NonGen / NLR **1010319519**
MIK216822833

Relative: RCRA NonGen / NLR:
Lower Date Form Received by Agency: 20070112
Handler Name: MI DEPT/STATE POLICE
Handler Address: 487 RIVERVIEW DR
Handler City,State,Zip: PLAINWELL, MI 49080
EPA ID: MIK216822833
Contact Name: MICHAEL ANDERSON
Contact Address: 487 RIVERVIEW DR
Contact City,State,Zip: PLAINWELL, MI 49080
Contact Telephone: 269-673-0352
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: State
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 12220 FILLMORE ST
Mailing City,State,Zip: WEST OLIVE, MI 49460
Owner Name: MICHIGAN STATE POLICE
Owner Type: State
Operator Name: MICHIGAN STATE POLICE
Operator Type: State
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1010319519

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1010319519

Date Became Current:	20070112
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20070112
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20070112
Handler Name:	MI DEPT/STATE POLICE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

I30 West > 1 1.200 mi. 6337 ft.	KALAMAZOO LANDSCAPE SUPPLIES INC 621 W M 89 OTSEGO, MI 49078 Site 1 of 3 in cluster I	FINDS ECHO	1007213510 N/A
---	--	---------------	-------------------

Relative:
Lower

FINDS:
Registry ID: 110016719540

Actual:
831 ft.

Click Here:

Environmental Interest/Information System:

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

ECHO:

Envid:	1007213510
Registry ID:	110016719540
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110016719540
Name:	KALAMAZOO LANDSCAPE SUPPLIES INC
Address:	621 W M 89
City,State,Zip:	OTSEGO, MI 49078

H31 SSW > 1 1.201 mi. 6340 ft.	497 RIVERVIEW 497 RIVERVIEW PLAINWELL, MI Site 4 of 4 in cluster H	US CDL	1011855791 N/A
--	---	--------	-------------------

Relative:
Lower

US CDL:
Address: 497 RIVERVIEW
City: PLAINWELL
State: MI
Seizure Date: 05/20/2006

32 NW > 1 1.207 mi. 6371 ft.	519 105TH AVE PLAINWELL, MI 49080	CDL	S123335980 N/A
--	--------------------------------------	-----	-------------------

Relative:
Higher

Actual:
866 ft.

CDL:

Name:	Not reported
Address:	519 105TH AVE
City:	PLAINWELL
Date:	Not reported
Type:	Not reported
Cross street:	Not reported
Lab type:	Not reported
Agency:	Not reported
Complaint #:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S123335980

Oic: Not reported
Child: Not reported
Fire: Not reported
Injuries: Not reported
Who: Not reported
Lab: Not reported
Dump: Not reported
Glass: Not reported
Unknown: Not reported
<2: Not reported
2 - 8oz: Not reported
9oz - 1lb: Not reported
2 - 9lb: Not reported
10 - 19lb: Not reported
20lb >: Not reported
Chemical: Methamphetamines
Quantity Seized: 5200
ORI Number: Not reported
Incident Number: 6420000006
Incident Date: 01/09/2018
Entry Date: 10/08/2018
Loss Type: Seized
Unit of Measure: GM
Latitude: 42.457581
Longitude: -85.594593
ORI Name: MI0300700
Micr Incidents ID: Not reported
Drug Desc: Not reported

J33
SSW
> 1
1.207 mi.
6374 ft.

319 RIVERVIEW DR
PLAINWELL, MI 49080
Site 1 of 2 in cluster J

CDL S123825099
N/A

Relative:
Lower
Actual:
770 ft.

CDL:
Name: Not reported
Address: 319 RIVERVIEW DR
City: PLAINWELL

Date: Not reported
Type: Not reported
Cross street: Not reported
Lab type: Not reported
Agency: Allegan County Sheriff's Office
Complaint #: Not reported
Oic: Not reported
Child: Not reported
Fire: Not reported
Injuries: Not reported
Who: Not reported
Lab: Not reported
Dump: Not reported
Glass: Not reported
Unknown: Not reported
<2: Not reported
2 - 8oz: Not reported
9oz - 1lb: Not reported
2 - 9lb: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S123825099

10 - 19lb: Not reported
20lb >: Not reported
Chemical: Methamphetamines
Quantity Seized: 1000
ORI Number: MI0310300
Incident Number: 1900001984
Incident Date: 02/02/2019
Entry Date: 03/29/2019
Loss Type: 6
Unit of Measure: Gram
Latitude: 0
Longitude: 0
ORI Name: 14434887
Micr Incidents ID: Not reported
Drug Desc: Not reported

J34
SSW
> 1
1.209 mi.
6381 ft.

305 RIVERVIEW DR
305 RIVERVIEW DR
PLAINWELL, MI
Site 2 of 2 in cluster J

US CDL 1009623341
N/A

Relative:
Lower

US CDL:
Address: 305 RIVERVIEW DR
City: PLAINWELL
State: MI
Seizure Date: 02/04/2004

Actual:
770 ft.

I35
West
> 1
1.250 mi.
6600 ft.

KALAMAZOO LANDSCAPE SUPPLIES INC
621 W M 89
OTSEGO, MI 49078
Site 2 of 3 in cluster I

RCRA-VSQQ 1007119097
MIK879948867

Relative:
Lower

RCRA-VSQQ:
Date Form Received by Agency: 20031216
Handler Name: KALAMAZOO LANDSCAPE SUPPLIES INC
Handler Address: 621 W M 89
Handler City,State,Zip: OTSEGO, MI 49078
EPA ID: MIK879948867
Contact Name: TONY MCWETHY
Contact Address: 621 W M 89
Contact City,State,Zip: OTSEGO, MI 49078
Contact Telephone: 269-692-3487
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: Private
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 5111 S 9TH ST

Actual:
819 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KALAMAZOO LANDSCAPE SUPPLIES INC (Continued)

1007119097

Mailing City,State,Zip:	KALAMAZOO, MI 49009
Owner Name:	JAMES A GLAS
Owner Type:	Private
Operator Name:	KALAMAZOO LANDSCAPE SUPPLIES
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KALAMAZOO LANDSCAPE SUPPLIES INC (Continued)

1007119097

Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: JAMES A GLAS
Legal Status: Private
Date Became Current: 20031216
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: KALAMAZOO LANDSCAPE SUPPLIES
Legal Status: Private
Date Became Current: 20031216
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20031216
Handler Name: KALAMAZOO LANDSCAPE SUPPLIES INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 44421
NAICS Description: OUTDOOR POWER EQUIPMENT STORES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KALAMAZOO LANDSCAPE SUPPLIES INC (Continued)

1007119097

Evaluation Action Summary:

Evaluations:

No Evaluations Found

I36
West
> 1
1.250 mi.
6600 ft.

KALAMAZOO LANDSCAPE SUPPLIES INC
621 W M 89
OTSEGO, MI 49078

WDS S111975503
N/A

Site 3 of 3 in cluster I

Relative:
Lower
Actual:
819 ft.

WDS:

Name: KALAMAZOO LANDSCAPE SUPPLIES INC
Address: 621 W M 89
City,State,Zip: OTSEGO, MI 49078
Site Id: MIK879948867
WMD Id: 476649
Site Specific Name: KALAMAZOO LANDSCAPE SUPPLIES INC
Mailing Address: 5111 S 9TH ST
Mailing City/State/Zip: 49009
Mailing County: KALAMAZOO

37
ESE
> 1
1.251 mi.
6603 ft.

LAKE DOSTER LIMITED PARTNERSHIP
136 COUNTRY CLUB BLVD
PLAINWELL, MI 49080

UST U004294969
N/A

Relative:
Higher
Actual:
937 ft.

UST:

Name: LAKE DOSTER LIMITED PARTNERSHIP
Address: 136 COUNTRY CLUB BLVD
City,State,Zip: PLAINWELL 49080-9120
Facility Type: CLOSED
Facility ID: 50001853
Owner Name: NRT OWNER
Owner Address: UNKNOWN
Owner City: UNKNOWN
Owner State: MI
Owner Zip: 99999
Owner Contact: Not reported
Owner Phone: Not reported
Contact: Not reported
Contact Phone: Not reported
Date of Collection: Not reported
Accuracy: Not reported
Horizontal Datum: Not reported
Accuracy Value Unit: Not reported
Source: Not reported
Point Line Area: Not reported
Desc Category: Not reported
Method of Collection: Not reported
District: Not reported
Tank ID: 1
Capacity: Not reported
Tank Status: Non-Registered Tank
Substance: Gasoline
Install Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAKE DOSTER LIMITED PARTNERSHIP (Continued)

U004294969

Remove Date: Not reported
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: Not reported
Longitude: Not reported

**38
WNW
> 1
1.450 mi.
7658 ft.**

**GUN PLAIN & PLAINWELL CTY DUMP
103RD ST, NORTH OF M-89
PLAINWELL, MI 49080**

**FINDS 1006830848
N/A**

**Relative:
Lower**

FINDS:
Registry ID: 110013913051

**Actual:
791 ft.**

Click Here:

Environmental Interest/Information System:

AIR EMISSIONS CLASSIFICATION UNKNOWN

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

**K39
NNE
> 1
1.484 mi.
7836 ft.**

**MI DEPT/STATE POLICE
106TH & 3RD ST
PLAINWELL, MI 49080**

**FINDS 1014729963
ECHO N/A**

**Relative:
Lower**

FINDS:
Registry ID: 110042156494

**Actual:
838 ft.**

Click Here:

Environmental Interest/Information System:

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

ECHO:

Envid: 1014729963
Registry ID: 110042156494
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110042156494>
Name: MI DEPT/STATE POLICE
Address: 106TH & 3RD ST
City,State,Zip: PLAINWELL, MI 49080

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

K40
NNE
> 1
1.484 mi.
7836 ft.
MI DEPT/STATE POLICE
106TH & 3RD ST
PLAINWELL, MI 49080
Site 2 of 5 in cluster K

WDS **S111982841**
N/A

Relative: WDS:
Lower Name: MI DEPT/STATE POLICE
Address: 106TH & 3RD ST
Actual: City,State,Zip: PLAINWELL, MI 49080
838 ft. Site Id: MIK511957672
WMD Id: 487439
Site Specific Name: MI DEPT/STATE POLICE
Mailing Address: 12220 FILLMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

K41
NNE
> 1
1.484 mi.
7836 ft.
MI DEPT/STATE POLICE
106TH AVE & 3RD ST
PLAINWELL, MI 49080
Site 3 of 5 in cluster K

WDS **S111983796**
N/A

Relative: WDS:
Lower Name: MI DEPT/STATE POLICE
Address: 106TH AVE & 3RD ST
Actual: City,State,Zip: PLAINWELL, MI 49080
838 ft. Site Id: MIK571568955
WMD Id: 488646
Site Specific Name: MI DEPT/STATE POLICE
Mailing Address: 12220 FILMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

K42
NNE
> 1
1.484 mi.
7836 ft.
MI DEPT/STATE POLICE
106TH & 3RD ST
PLAINWELL, MI 49080
Site 4 of 5 in cluster K

RCRA NonGen / NLR **1014392155**
MIK511957672

Relative: RCRA NonGen / NLR:
Lower Date Form Received by Agency: 20100318
Actual: Handler Name: MI DEPT/STATE POLICE
838 ft. Handler Address: 106TH & 3RD ST
Handler City,State,Zip: PLAINWELL, MI 49080
EPA ID: MIK511957672
Contact Name: MIKE ANDERSON
Contact Address: 106TH & 3RD ST
Contact City,State,Zip: PLAINWELL, MI 49080
Contact Telephone: 269-673-0352
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: State
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392155

Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12220 FILLMORE ST
Mailing City,State,Zip:	WEST OLIVE, MI 49460
Owner Name:	MICHIGAN STATE POLICE
Owner Type:	State
Operator Name:	MICHIGAN STATE POLICE
Operator Type:	State
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392155

Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20100318
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20100318
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20100318
Handler Name:	MI DEPT/STATE POLICE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56291
-------------	-------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392155

NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

K43
NNE
> 1
1.484 mi.
7836 ft.

MI DEPT/STATE POLICE
106TH AVE & 3RD ST
PLAINWELL, MI 49080
Site 5 of 5 in cluster K

RCRA NonGen / NLR

1014392281
MIK571568955

Relative:
Lower

Actual:
838 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20101103
Handler Name: MI DEPT/STATE POLICE
Handler Address: 106TH AVE & 3RD ST
Handler City,State,Zip: PLAINWELL, MI 49080
EPA ID: MIK571568955
Contact Name: MIKE ANDERSON
Contact Address: 106TH AVE & 3RD ST
Contact City,State,Zip: PLAINWELL, MI 49080
Contact Telephone: 616-218-9921
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: State
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 12220 FILMORE ST
Mailing City,State,Zip: WEST OLIVE, MI 49460
Owner Name: MICHIGAN STATE POLICE
Owner Type: State
Operator Name: MICHIGAN STATE POLICE
Operator Type: State
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392281

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20101103
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392281

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20101103
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20101103
Handler Name:	MI DEPT/STATE POLICE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
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**L44
SW
> 1
1.621 mi.
8560 ft.**

**CONSUMERS ENERGY
631 RIVERVIEW DR
PLAINWELL, MI 49080**

**RCRA-VSQQ 1000375563
FINDS MID981954217
ECHO**

Site 1 of 2 in cluster L

**Relative:
Lower
Actual:
742 ft.**

RCRA-VSQQ:	20170417
Date Form Received by Agency:	
Handler Name:	CONSUMERS ENERGY
Handler Address:	631 RIVERVIEW DR
Handler City,State,Zip:	PLAINWELL, MI 49080
EPA ID:	MID981954217
Contact Name:	MICHAEL MOLER
Contact Address:	Not reported
Contact City,State,Zip:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSUMERS ENERGY (Continued)

1000375563

Contact Telephone:	517-788-1472
Contact Fax:	Not reported
Contact Email:	MICHAEL.MOLER@CMSENERGY.COM
Contact Title:	Not reported
EPA Region:	05
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	39500 ORCHARD HILL PL
Mailing City,State,Zip:	NOVI, MI 48375
Owner Name:	ITC TRANSMISSION
Owner Type:	Private
Operator Name:	ITC TRANSMISSION
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSUMERS ENERGY (Continued)

1000375563

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20170801
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ITC TRANSMISSION
Legal Status:	Private
Date Became Current:	20060901
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ITC TRANSMISSION
Legal Status:	Private
Date Became Current:	20060901
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ITC TRANSMISSION
Legal Status:	Private
Date Became Current:	20060901
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSUMERS ENERGY (Continued)

1000375563

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ITC TRANSMISSION
Legal Status:	Private
Date Became Current:	20060901
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ITC TRANSMISSION
Legal Status:	Private
Date Became Current:	20060901
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ITC TRANSMISSION
Legal Status:	Private
Date Became Current:	20060901
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ITC TRANSMISSION
Legal Status:	Private
Date Became Current:	20060901
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ITC TRANSMISSION
Legal Status:	Private
Date Became Current:	20060901
Date Ended Current:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSUMERS ENERGY (Continued)

1000375563

Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19870227
Handler Name: INTERNATIONAL TRANSMISSION COMPANY LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020501
Handler Name: INTERNATIONAL TRANSMISSION COMPANY LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060901
Handler Name: INTERNATIONAL TRANSMISSION COMPANY LLC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20170417
Handler Name: CONSUMERS ENERGY
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSUMERS ENERGY (Continued)

1000375563

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 221121
NAICS Description: ELECTRIC BULK POWER TRANSMISSION AND CONTROL

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110003625676

Click Here:

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1000375563
Registry ID: 110003625676
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003625676>
Name: CONSUMERS ENERGY
Address: 631 RIVERVIEW DR
City,State,Zip: PLAINWELL, MI 49080

L45
SW
> 1
1.621 mi.
8560 ft.

CONSUMERS ENERGY
631 RIVERVIEW DR
PLAINWELL, MI 49080

WDS S111937001
N/A

Site 2 of 2 in cluster L

Relative:
Lower

WDS:

Actual:
742 ft.

Name: CONSUMERS ENERGY
Address: 631 RIVERVIEW DR
City,State,Zip: PLAINWELL, MI 49080
Site Id: MID981954217
WMD Id: 400534
Site Specific Name: CONSUMERS ENERGY - ARGENTA SUBSTATION
Mailing Address: 39500 ORCHARD HILL PL
Mailing City/State/Zip: 48375
Mailing County: OAKLAND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

46
ENE
> 1
1.657 mi.
8748 ft.

RESIDENCE
415 MIDLAKES BOULEVARD
PLAINWELL, MI 49080

ASBESTOS **S122250984**
N/A

Relative:
Higher

Actual:
886 ft.

ASBESTOS:
Notification ID: 130710
Name: RESIDENCE
Address: 415 MIDLAKES BOULEVARD
City,State,Zip: PLAINWELL, MI 49080
Contractor Name: Pro-Tech Environmental & Construction Service
Project Number: Not reported
Notification Type and Date: Regular 03/26/2018
Start Date: 04/09/2018
End Date: 04/12/2018
Linear Feet: Not reported
Square Feet: 792

47
East
> 1
1.679 mi.
8863 ft.

276 FAIRWAY CT
PLAINWELL, MI

ERNS **2021314657**
N/A

Relative:
Higher

Actual:
947 ft.

Incident Commons:
NRC Report #: 1314657
Description of Incident: CALLER STATED COMPANY DISCHARGED R22 REFRIGERANT FROM AN AIR
CONDITIONING UNIT INTO THE AIR AT THE INCIDENT LOCATION.
Type of Incident: FIXED
Incident Cause: DUMPING
Incident Date Time: 8/25/2021 9:00
Incident DTG: OCCURRED
Incident Location: PRIVATE RESIDENCE
Loaction Address: 276 FAIRWAY CT
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: PLAINWELL
Location State: MI
Location County: ALLEGAN
Location Zip: Not reported
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N
Incidents:
NRC Report #: 1314657
Aircraft Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2021314657

Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	PRIVATE RESIDENCE
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2021314657

Airbag Deployed: U
Date Tiem Normal Service: Not reported
Service Disruption Time: Not reported
Service Disruption Units: Not reported
Transit Bus Flag: Not reported
CR Begin Date: Not reported
CR End Date: Not reported
CR Change Date: Not reported
FBI Contact: Not reported
FBI Contact Date Time: Not reported
Sub Part C Testing Req: XXX
Conductor Testing: Not reported
Engineer Testing: Not reported
Trainman Testing: Not reported
Yard Foreman Testing: Not reported
RCL Operator Testing: Not reported
Brakeman Testing: Not reported
Train Dispatcher Testing: Not reported
Signalman Testing: Not reported
Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:

NRC Report #: 1314657
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: N
Number Injured: Not reported
Number Hospitalized: Not reported
Any Fatalities: N
Number Fatalities: Not reported
Any Damages: N
Damage Amount: Not reported
Air Corridor Closed: N
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: N
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: N
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: N
Track Closed: N
Track Desc: Not reported
Track Closure Time: Not reported
Media Interest: NONE
Medium Desc: AIR
Additional Medium Info: ATMOSPHERE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2021314657

Body of Water:	Not reported
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	MAKING NOTIFICATIONS
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	Not reported
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLOSure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1314657
Site ID:	20211314657
Date Time Received:	2021-08-25 09:16:00
Date Time Complete:	2021-08-25 09:23:00
Call Type:	INC
Responsible Company:	MAGNUM PLUMBING & HEATING
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2021314657

Responsible State: MI
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Material Involved:
NRC Report #: 1314657
Chris Code: RFG
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: REFRIGERANT GASES (R22)
If Reached Water: NO
Amount in Water: Not reported
Unit of Measure Reach Water: Not reported

M48
SSE
> 1
1.680 mi.
8868 ft.
Relative:
Lower
Actual:
811 ft.

MI DEPT/STATE POLICE
RIVERVIEW DR & BASELINE RD
PLAINWELL, MI 49080

FINDS 1014729658
ECHO N/A

Site 1 of 3 in cluster M

FINDS:
Registry ID: 110043311047

Click Here:

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1014729658
Registry ID: 110043311047
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110043311047>
Name: MI DEPT/STATE POLICE
Address: RIVERVIEW DR & BASELINE RD
City,State,Zip: PLAINWELL, MI 49080

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

M49
SSE
> 1
1.680 mi.
8868 ft.

MI DEPT/STATE POLICE
RIVERVIEW DR & BASELINE RD
PLAINWELL, MI 49080

WDS **S111983956**
N/A

Site 2 of 3 in cluster M

Relative:
Lower

WDS:
Name: MI DEPT/STATE POLICE
Address: RIVERVIEW DR & BASELINE RD
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIK583321443
WMD Id: 488882
Site Specific Name: MI DEPT/STATE POLICE
Mailing Address: 12220 FILLMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

M50
SSE
> 1
1.680 mi.
8868 ft.

MI DEPT/STATE POLICE
RIVERVIEW DR & BASELINE RD
PLAINWELL, MI 49080

RCRA NonGen / NLR **1014392318**
MIK583321443

Site 3 of 3 in cluster M

Relative:
Lower

RCRA NonGen / NLR:
Date Form Received by Agency: 20111227
Handler Name: MI DEPT/STATE POLICE
Handler Address: RIVERVIEW DR & BASELINE RD
Handler City,State,Zip: PLAINWELL, MI 49080
EPA ID: MIK583321443
Contact Name: MIKE ANDERSNN
Contact Address: RIVERVIEW DR & BASELINE RD
Contact City,State,Zip: PLAINWELL, MI 49080
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: State
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 12220 FILLMORE ST
Mailing City,State,Zip: WEST OLIVE, MI 49460
Owner Name: MICHIGAN STATE POLICE
Owner Type: State
Operator Name: MICHIGAN STATE POLICE
Operator Type: State
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392318

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014392318

Date Became Current:	20111227
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20111227
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20111227
Handler Name:	MI DEPT/STATE POLICE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Evaluation Action Summary:

Evaluations:	No Evaluations Found
--------------	----------------------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

51
SSW
> 1
1.684 mi.
8892 ft.

RESIDENCE
10954 NORTH 19TH STREET
PLAINWELL, MI 49080

ASBESTOS **S119791146**
N/A

Relative:
Lower

ASBESTOS:

Actual:
758 ft.

Notification ID: 121515
Name: RESIDENCE
Address: 10954 NORTH 19TH STREET
City,State,Zip: PLAINWELL, MI 49080
Contractor Name: Asbestos Contractors, Inc.
Project Number: 16146
Notification Type and Date: Regular 10/14/2016
Start Date: 10/31/2016
End Date: 11/02/2016
Linear Feet: 276
Square Feet: 40

52
ESE
> 1
1.714 mi.
9052 ft.

W.DOUGLAS SAND EXPOSURE
PLAINWELL, MI 49080

MINES MRDS **1025718805**
N/A

Relative:
Higher

MINES MRDS:

Actual:
990 ft.

Name: W.DOUGLAS SAND EXPOSURE
Address: Not reported
Deposit identification Number: 10243437
City,State,Zip: PLAINWELL, MICHIGAN 49080
URL: https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10243437
MRDS Identification Number: Not reported
MAS/MILS Identification Number: 0260050021
Region: NA
Country: United States
Primary Commodities: Sand and Gravel, Construction
Secondary Commodities: Not reported
Tertiary Commodities: Not reported
Operation Type: Surface
Deposit Type: Not reported
Production Size: Not reported
Development Status: Prospect
Ore Minerals or Materials: Not reported
Gangue Minerals or Materials: Not reported
Other Minerals or Materials: Not reported
Ore Body Form: Not reported
Workings Type: Not reported
Mineral Deposit Model: Not reported
Alteration Processes: Not reported
Concentration Processes: Not reported
Previous Names: Not reported
Ore Controls: Not reported
Reporter: Eastern Field Operations Center (EFOC)
Host Rock Unit Name: Not reported
Host Rock Type: Not reported
Associated Rock Unit Name: Not reported
Associated Rock Type Code: Not reported
Structural Characteristics: Not reported
Tectonic Setting: Not reported
References: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

W.DOUGLAS SAND EXPOSURE (Continued)

1025718805

First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	42.43891
Longitude:	-85.54715

53
SSE
> 1
1.783 mi.
9413 ft.

**2240 E BASELINE
PLAINWELL, MI**

**SPILLS S111343827
N/A**

**Relative:
Higher
Actual:
870 ft.**

PEAS:	
Name:	Not reported
Address:	2240 E BASELINE
City,State,Zip:	PLAINWELL, MI
Incident Date:	2011-11-01 00:00:00
Office Status:	AFTER HOURS
Initials of Incoming Operator:	JSC
Time Received by DNRE Staff:	Not reported
Time Occur:	Not reported
Date Of PEAS Call:	Not reported
Complainant / Company:	Not reported
Complainant Address:	N/A
Company Involved:	BEAVER CHEMICAL
DEQ Division Involved:	Not reported
Incident Description:	5 GAL CONTAINER OF A REACTIVE SEPARATING AGENT. FELL OFF TRUCK
Incident Description:	AND BURST. FIRE DEPARTMENT ON THE SCENE. DONT KNOW WHAT TO DO
Incident Description:	WITH THE CHEMICALS.
Incident Description:	CALL JIM MILES FROM THE FIRE DEPARTMENT AT 269-720-5181
Description:	Not reported
Date Discovered:	11/1/2011
Time Discovered:	17:53
Office/After Hours:	Not reported
Party Involved - Phone 1:	Not reported
Party Involved - Phone 2:	Not reported
Ongoing?:	Not reported
Release Secured:	Not reported
Source:	Not reported
Source decode:	Not reported
Lead Division 2:	Not reported
Party Involved Type:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Release/Incident Ctrl:	Not reported
Release/Incident Ctrl Detail:	Not reported
Special Referral:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

N54
ESE
> 1
2.141 mi.
11306 ft.

RICHARD HILLIGNS
942 DOSTER RD
PLAINWELL, MI 49080
Site 1 of 4 in cluster N

WDS **S111956406**
N/A

Relative:
Higher

WDS:

Actual:
921 ft.

Name: RICHARD HILLIGNS
Address: 942 DOSTER RD
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIG000049303
WMD Id: 438464
Site Specific Name: RICHARD HILLIGNS
Mailing Address: 942 DOSTER RD
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

N55
ESE
> 1
2.141 mi.
11306 ft.

PINE LAKE LAUNDROMAT
938 DOSTER RD
PLAINWELL, MI 49080
Site 2 of 4 in cluster N

WDS **S111971668**
N/A

Relative:
Higher

WDS:

Actual:
921 ft.

Name: PINE LAKE LAUNDROMAT
Address: 938 DOSTER RD
City,State,Zip: PLAINWELL, MI 49080
Site Id: Not reported
WMD Id: 465523
Site Specific Name: PINE LAKE LAUNDROMAT
Mailing Address: 938 DOSTER RD
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

N56
ESE
> 1
2.148 mi.
11341 ft.

PINE LAKE BOAT & MOTOR CO INC
981 DOSTER RD
PLAINWELL, MI 49080
Site 3 of 4 in cluster N

Financial Assurance **S118615115**
N/A

Relative:
Higher

FINANCIAL ASSURANCE 3:

Actual:
920 ft.

Name: PINE LAKE BOAT & MOTOR CO INC
Address: 981 DOSTER RD
City,State,Zip: PLAINWELL, MI 49080-9341
Facility ID: 00014348
Exempt: No
Expiration Date: 12/17/2021
Bond Rating Tests: Not reported
Commerical Insurance: CHECKED
Guarantee: Not reported
Letter of Credit: Not reported
Risk Retention Group: Not reported
Self Insurance: Not reported
State Funds: Not reported
Surety Bond: Not reported
Trust Funds: Not reported
Year: 2021

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

N57
ESE
> 1
2.148 mi.
11341 ft.
PINE LAKE BOAT & MOTOR CO INC
981 DOSTER RD
PLAINWELL, MI 49080
Site 4 of 4 in cluster N

UST **U003102923**
N/A

Relative:
Higher

UST:

Actual:
920 ft.

Name: PINE LAKE BOAT & MOTOR CO INC
Address: 981 DOSTER RD
City,State,Zip: PLAINWELL 49080-9341
Facility Type: ACTIVE
Facility ID: 00014348
Owner Name: PINE LAKE BOAT & MOTOR CO INC
Owner Address: 981 DOSTER RD
Owner City: PLAINWELL
Owner State: MI
Owner Zip: 49080-9341
Owner Contact: Not reported
Owner Phone: 6166858690
Contact: ROBERT PENCE
Contact Phone: (616) 685-8690
Date of Collection: 09/18/2006
Accuracy: 10
Horizontal Datum: NAD83
Accuracy Value Unit: METERS
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Not reported
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
District: Region 3 - Kalamazoo District Office
Tank ID: 6
Capacity: 2000
Tank Status: Currently In Use
Substance: Gasoline
Install Date: Not reported
Remove Date: Not reported
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: 42.49767
Longitude: -85.54359

Name: PINE LAKE BOAT & MOTOR CO INC
Address: 981 DOSTER RD
City,State,Zip: PLAINWELL 49080-9341
Facility Type: ACTIVE
Facility ID: 00014348
Owner Name: PINE LAKE BOAT & MOTOR CO INC
Owner Address: 981 DOSTER RD
Owner City: PLAINWELL
Owner State: MI
Owner Zip: 49080-9341
Owner Contact: Not reported
Owner Phone: 6166858690

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PINE LAKE BOAT & MOTOR CO INC (Continued)

U003102923

Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	5REG
Capacity:	550
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	05/13/1971
Remove Date:	12/08/1990
Tank Number:	Not reported
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Not reported
Piping Type:	Not reported
Tank Construction:	Not reported
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Name:	PINE LAKE BOAT & MOTOR CO INC
Address:	981 DOSTER RD
City,State,Zip:	PLAINWELL 49080-9341
Facility Type:	ACTIVE
Facility ID:	00014348
Owner Name:	PINE LAKE BOAT & MOTOR CO INC
Owner Address:	981 DOSTER RD
Owner City:	PLAINWELL
Owner State:	MI
Owner Zip:	49080-9341
Owner Contact:	Not reported
Owner Phone:	6166858690
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	4REGLK
Capacity:	600
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	05/13/1971
Remove Date:	12/08/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PINE LAKE BOAT & MOTOR CO INC (Continued)

U003102923

Tank Number:	Not reported
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Not reported
Piping Type:	Not reported
Tank Construction:	Not reported
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Name:	PINE LAKE BOAT & MOTOR CO INC
Address:	981 DOSTER RD
City,State,Zip:	PLAINWELL 49080-9341
Facility Type:	ACTIVE
Facility ID:	00014348
Owner Name:	PINE LAKE BOAT & MOTOR CO INC
Owner Address:	981 DOSTER RD
Owner City:	PLAINWELL
Owner State:	MI
Owner Zip:	49080-9341
Owner Contact:	Not reported
Owner Phone:	6166858690
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	3PREM
Capacity:	300
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	05/13/1971
Remove Date:	10/24/1990
Tank Number:	Not reported
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Not reported
Piping Type:	Not reported
Tank Construction:	Not reported
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Name:	PINE LAKE BOAT & MOTOR CO INC
Address:	981 DOSTER RD
City,State,Zip:	PLAINWELL 49080-9341
Facility Type:	ACTIVE
Facility ID:	00014348
Owner Name:	PINE LAKE BOAT & MOTOR CO INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PINE LAKE BOAT & MOTOR CO INC (Continued)

U003102923

Owner Address:	981 DOSTER RD
Owner City:	PLAINWELL
Owner State:	MI
Owner Zip:	49080-9341
Owner Contact:	Not reported
Owner Phone:	6166858690
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	224-1
Capacity:	600
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	05/13/1971
Remove Date:	10/24/1990
Tank Number:	Not reported
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Not reported
Piping Type:	Not reported
Tank Construction:	Not reported
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Name:	PINE LAKE BOAT & MOTOR CO INC
Address:	981 DOSTER RD
City,State,Zip:	PLAINWELL 49080-9341
Facility Type:	ACTIVE
Facility ID:	00014348
Owner Name:	PINE LAKE BOAT & MOTOR CO INC
Owner Address:	981 DOSTER RD
Owner City:	PLAINWELL
Owner State:	MI
Owner Zip:	49080-9341
Owner Contact:	Not reported
Owner Phone:	6166858690
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PINE LAKE BOAT & MOTOR CO INC (Continued)

U003102923

Tank ID: 150-1
Capacity: 600
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: 05/13/1971
Remove Date: 10/24/1990
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: Not reported
Longitude: Not reported

O58
SE
> 1
2.249 mi.
11875 ft.

MI DEPT/STATE POLICE
1ST ST & BASELINE RD
PLAINWELL, MI 49080
Site 1 of 4 in cluster O

WDS **S111983063**
N/A

Relative:
Higher
Actual:
884 ft.

WDS:
Name: MI DEPT/STATE POLICE
Address: 1ST ST & BASELINE RD
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIK279454862
WMD Id: 487703
Site Specific Name: MI DEPT/STATE POLICE
Mailing Address: 12220 FILLMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

O59
SE
> 1
2.249 mi.
11875 ft.

MI DEPT/STATE POLICE
1ST ST & BASELINE RD
PLAINWELL, MI 49080
Site 2 of 4 in cluster O

RCRA NonGen / NLR **1014391743**
MIK279454862

Relative:
Higher
Actual:
884 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20100420
Handler Name: MI DEPT/STATE POLICE
Handler Address: 1ST ST & BASELINE RD
Handler City,State,Zip: PLAINWELL, MI 49080
EPA ID: MIK279454862
Contact Name: MIKE ANDERSON
Contact Address: 1ST ST & BASELINE RD
Contact City,State,Zip: PLAINWELL, MI 49080
Contact Telephone: 616-218-9921
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: State
Federal Waste Generator Description: Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014391743

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12220 FILLMORE ST
Mailing City,State,Zip:	WEST OLIVE, MI 49460
Owner Name:	MICHIGAN STATE POLICE
Owner Type:	State
Operator Name:	MICHIGAN STATE POLICE
Operator Type:	State
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014391743

Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20110303
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: MICHIGAN STATE POLICE
Legal Status: State
Date Became Current: 20100420
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MICHIGAN STATE POLICE
Legal Status: State
Date Became Current: 20100420
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20100420
Handler Name: MI DEPT/STATE POLICE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014391743

List of NAICS Codes and Descriptions:

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

O60
SE
> 1
2.249 mi.
11875 ft.
Relative:
Higher
Actual:
884 ft.

MI DEPT/STATE POLICE
1ST ST & BASELINE RD
PLAINWELL, MI 49080

FINDS **1014733107**
ECHO **N/A**

Site 3 of 4 in cluster O

FINDS:

Registry ID: 110042187022

Click Here:

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1014733107
Registry ID: 110042187022
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110042187022>
Name: MI DEPT/STATE POLICE
Address: 1ST ST & BASELINE RD
City,State,Zip: PLAINWELL, MI 49080

61
East
> 1
2.255 mi.
11907 ft.

KAVCO LF
DOSTER RD./DAY ROAD
PRAIRIEVILLE TWP, MI 49080

PART 201 **S105143848**
INVENTORY **N/A**

PART 201:

Facility ID: 8000007
Facility Status: Remedial Action in Progress (may incl. use restrictions, O&M and/or monitoring)
Source: Industrial Organic Chemicals
SAM Score: 22
SAM Score Date: 08/03/2005
Township: 01N
Range: 11W

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAVCO LF (Continued)

S105143848

Section: 30
Quarter: SW
Quarter/Quarter: Not reported
Pollutants: Benzene; Ni; cis-1,2 DCE; Organics

INVENTORY:

Name: KAVCO LF
Address: DOSTER RD./DAY ROAD
City,State,Zip: PRAIRIEVILLE TWP, MI 49080
Township: Prairieville
District: Grand Rapids
Data Source: Risks Controlled
Location ID: 6502
Lust Name: Not reported
Regulatory Program: 801
Release Status: Not reported
Project Manager: Assmann, Aaron
Latitude: 42.44008585
Longitude: -85.53617242

**O62
SE
> 1
2.272 mi.
11996 ft.**

**ROBERT NALEY
10995 N 22ND ST
PLAINWELL, MI 49080**

**WDS S111960627
N/A**

Site 4 of 4 in cluster O

**Relative:
Higher
Actual:
899 ft.**

WDS:
Name: ROBERT NALEY
Address: 10995 N 22ND ST
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIG000037930
WMD Id: 444326
Site Specific Name: ROBERT NALEY
Mailing Address: 10995 N 22ND ST
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

**63
WNW
> 1
2.274 mi.
12005 ft.**

**ADVANCE FARM SUPPLY
459 8TH ST
BURR OAK, MI 49080**

**WDS S111950301
N/A**

**Relative:
Lower
Actual:
731 ft.**

WDS:
Name: ADVANCE FARM SUPPLY
Address: 459 8TH ST
City,State,Zip: BURR OAK, MI 49080
Site Id: MIG000061669
WMD Id: 421989
Site Specific Name: ADVANCE FARM SUPPLY
Mailing Address: 459 8TH ST
Mailing City/State/Zip: 49030
Mailing County: ST JOSEPH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
P64 WSW > 1 2.276 mi. 12015 ft.	MI DEPT/STATE POLICE RIVERVIEW & 8TH ST PLAINWELL, MI 49080 Site 1 of 5 in cluster P	RCRA NonGen / NLR	1014391599 MIK218662310
Relative: Lower	RCRA NonGen / NLR:		
Actual: 736 ft.	Date Form Received by Agency:	20100315	
	Handler Name:	MI DEPT/STATE POLICE	
	Handler Address:	RIVERVIEW & 8TH ST	
	Handler City,State,Zip:	PLAINWELL, MI 49080	
	EPA ID:	MIK218662310	
	Contact Name:	MIKE ANDERSON	
	Contact Address:	RIVERVIEW & 8TH ST	
	Contact City,State,Zip:	PLAINWELL, MI 49080	
	Contact Telephone:	616-281-9921	
	Contact Fax:	Not reported	
	Contact Email:	Not reported	
	Contact Title:	Not reported	
	EPA Region:	05	
	Land Type:	State	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Not reported	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	12220 FILLMORE ST	
	Mailing City,State,Zip:	WEST OLIVE, MI 49460	
	Owner Name:	MICHIGAN STATE POLICE	
	Owner Type:	State	
	Operator Name:	MICHIGAN STATE POLICE	
	Operator Type:	State	
	Short-Term Generator Activity:	No	
	Importer Activity:	No	
	Mixed Waste Generator:	No	
	Transporter Activity:	No	
	Transfer Facility Activity:	No	
	Recycler Activity with Storage:	No	
	Small Quantity On-Site Burner Exemption:	No	
	Smelting Melting and Refining Furnace Exemption:	No	
	Underground Injection Control:	No	
	Off-Site Waste Receipt:	No	
	Universal Waste Indicator:	No	
	Universal Waste Destination Facility:	No	
	Federal Universal Waste:	No	
	Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site Converter Treatment storage and Disposal Facility:	Not reported	
	Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	NN	
	Sub-Part K Indicator:	Not reported	
	Commercial TSD Indicator:	No	
	Treatment Storage and Disposal Type:	Not reported	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	Permit Renewals Workload Universe:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014391599

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20100315
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20100315
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1014391599

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20100315
Handler Name: MI DEPT/STATE POLICE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

P65
WSW
> 1
2.276 mi.
12018 ft.
Relative:
Lower
Actual:
735 ft.

MI DEPT/STATE POLICE
RIVERVIEW & 8TH ST
PLAINWELL, MI 49080
Site 2 of 5 in cluster P

WDS S111982812
N/A

WDS:
Name: MI DEPT/STATE POLICE
Address: RIVERVIEW & 8TH ST
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIK218662310
WMD Id: 487408
Site Specific Name: MI DEPT/STATE POLICE
Mailing Address: 12220 FILLMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
P66 WSW > 1 2.276 mi. 12018 ft.	MI DEPT/STATE POLICE RIVERVIEW DR & 8TH ST PLAINWELL, MI 49080 Site 3 of 5 in cluster P	RCRA NonGen / NLR	1012180869 MIK665194783
Relative: Lower	RCRA NonGen / NLR:		
Actual: 735 ft.	Date Form Received by Agency:	20090716	
	Handler Name:	MI DEPT/STATE POLICE	
	Handler Address:	RIVERVIEW DR & 8TH ST	
	Handler City,State,Zip:	PLAINWELL, MI 49080	
	EPA ID:	MIK665194783	
	Contact Name:	MIKE ANDERSON	
	Contact Address:	RIVERVIEW DR & 8TH ST	
	Contact City,State,Zip:	PLAINWELL, MI 49080	
	Contact Telephone:	616-218-9921	
	Contact Fax:	Not reported	
	Contact Email:	Not reported	
	Contact Title:	Not reported	
	EPA Region:	05	
	Land Type:	State	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Not reported	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	12220 FILLMORE ST	
	Mailing City,State,Zip:	WEST OLIVE, MI 49460	
	Owner Name:	MICHIGAN STATE POLICE	
	Owner Type:	State	
	Operator Name:	MICHIGAN STATE POLICE	
	Operator Type:	State	
	Short-Term Generator Activity:	No	
	Importer Activity:	No	
	Mixed Waste Generator:	No	
	Transporter Activity:	No	
	Transfer Facility Activity:	No	
	Recycler Activity with Storage:	No	
	Small Quantity On-Site Burner Exemption:	No	
	Smelting Melting and Refining Furnace Exemption:	No	
	Underground Injection Control:	No	
	Off-Site Waste Receipt:	No	
	Universal Waste Indicator:	No	
	Universal Waste Destination Facility:	No	
	Federal Universal Waste:	No	
	Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site Converter Treatment storage and Disposal Facility:	Not reported	
	Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	NN	
	Sub-Part K Indicator:	Not reported	
	Commercial TSD Indicator:	No	
	Treatment Storage and Disposal Type:	Not reported	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	Permit Renewals Workload Universe:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1012180869

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20090716
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHIGAN STATE POLICE
Legal Status:	State
Date Became Current:	20090716
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1012180869

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20090716
Handler Name: MI DEPT/STATE POLICE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

P67
WSW
> 1
2.276 mi.
12018 ft.

MI DEPT/STATE POLICE
RIVERVIEW DR & 8TH ST
PLAINWELL, MI 49080

FINDS **1012234333**
ECHO **N/A**

Site 4 of 5 in cluster P

Relative:
Lower

FINDS:
Registry ID: 110039573226

Actual:
735 ft.

Click Here:

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1012234333
Registry ID: 110039573226
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110039573226>
Name: MI DEPT/STATE POLICE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1012234333

Address: RIVERVIEW DR & 8TH ST
City,State,Zip: PLAINWELL, MI 49080

P68
WSW
> 1
2.276 mi.
12018 ft.

MI DEPT/STATE POLICE
RIVERVIEW DR & 8TH ST
PLAINWELL, MI 49080

WDS S111982083
N/A

Site 5 of 5 in cluster P

Relative:
Lower

WDS:
Name: MI DEPT/STATE POLICE
Address: RIVERVIEW DR & 8TH ST
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIK665194783
WMD Id: 486380
Site Specific Name: MI DEPT/STATE POLICE
Mailing Address: 12220 FILLMORE ST
Mailing City/State/Zip: 49460
Mailing County: OTTAWA

Actual:
735 ft.

69
West
> 1
2.282 mi.
12048 ft.

EAST 1/2 OF SE 1/4 SECTION 29
EAST 1/2 OF SE 1/4 SECTION 29
ALLEGAN (County), MI 48933

INVENTORY S127500978
BEA N/A

Relative:
Lower

INVENTORY:
Name: EAST 1/2 OF SE 1/4 SECTION 29
Address: EAST 1/2 OF SE 1/4 SECTION 29
City,State,Zip: MI 48933
Township: Gunplain
District: Kalamazoo
Data Source: Risks Not Determined
Location ID: 69818
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Not reported
Latitude: 42.4394319
Longitude: -85.62418729

Actual:
739 ft.

BEA:

Name: EAST 1/2 OF SE 1/4 SECTION 29
Address: EAST 1/2 OF SE 1/4 SECTION 29
City,State,Zip: MI 48933
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 12/20/2001
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST 1/2 OF SE 1/4 SECTION 29 (Continued)

S127500978

Location ID: 03000384
Submittal Type: Baseline Environmental Assessment
Submittal Number: B200100511PL
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 2004-01-31 07:29:04
Date Completed: Not reported
Township: Gunplain
Work Unit: Kalamazoo
Comments: Not reported
Organization: Preferred Plastics, Inc.
Contact: Mr. Tracy Tucker
Contact Type: Submitter Contact

Q70
West
> 1
2.298 mi.
12132 ft.

DECORATIVE VENEER
960 INDUSTRIAL PKY
PLAINWELL, MI 49080

US AIRS **1004531312**
FINDS **N/A**
ECHO

Site 1 of 14 in cluster Q

Relative:
Lower

US AIRS MINOR:
Envid: 1004531312
Region Code: 05
Programmatic ID: AIR MI000000000000N2630
Facility Registry ID: 110001847716
D and B Number: Not reported
Primary SIC Code: 2521
NAICS Code: 337127
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

Actual:
740 ft.

US AIRS MINOR:
Region Code: 05
Programmatic ID: AIR MI000000000000N2630
Facility Registry ID: 110001847716
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-07-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR MI000000000000N2630
Facility Registry ID: 110001847716
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-01-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DECORATIVE VENEER (Continued)

1004531312

FINDS:

Registry ID: 110001847716

Click Here:

Environmental Interest/Information System:

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

AIR EMISSIONS CLASSIFICATION UNKNOWN
AIR MINOR

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

ECHO:

Envid: 1004531312
Registry ID: 110001847716
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001847716>
Name: DECORATIVE VENEER
Address: 960 INDUSTRIAL PKY
City,State,Zip: PLAINWELL, MI 49080

Q71
West
> 1
2.298 mi.
12132 ft.

DECORATIVE VENEER
960 INDUSTRIAL PKWY
PLAINWELL, MI 49080
Site 2 of 14 in cluster Q

WDS S108477360
N/A

Relative:
Lower

Actual:
740 ft.

WDS:
Name: DECORATIVE VENEER
Address: 960 INDUSTRIAL PKWY
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIG000023730
WMD Id: 451229
Site Specific Name: DECORATIVE VENEER
Mailing Address: 960 INDUSTRIAL PKWY
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Q72
West
> 1
2.298 mi.
12132 ft.
SELECT MILLWORK
960 INDUSTRIAL PARKWAY
PLAINWELL, MI 49080
Site 3 of 14 in cluster Q

FINDS **1024384245**
N/A

Relative: FINDS:
Lower Registry ID: 110070288978

Actual:
740 ft. Click Here:

Environmental Interest/Information System:
OSHA ESTABLISHMENT

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

Q73
West
> 1
2.298 mi.
12132 ft.
DECORATIVE VENEER, INC
960 INDUSTRIAL PARKWAY
PLAINWELL, MI 49080
Site 4 of 14 in cluster Q

AIRS **S121718711**
N/A

Relative: AIRS:
Lower Name: DECORATIVE VENEER, INC
Address: 960 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
State Registration Number: N2630
Naics Code: Not reported
Contact Email: Not reported
Contact Name: MICHAEL KNOBLAUCH
Contact Phone: 2167814747
Contact Address: 2121 SAINT CLAIR AVENUE
Contact City,St,Zip: CLEVELAND, OH 44114
Permit Number: 431-97
Date Received: 09/03/1997
Application Reason: OPT-OUT
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
Facility Status Code: Not reported
Facility Status: InActive
Supplemental Location Text: Not reported
Business Name: Not reported
Principal Product: Not reported
Principal Product Description: Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported
UTM Horizontal Coord: Not reported
UTM Vertical Coord: Not reported
Mailing Name: Not reported
Mailing Contact Person: Not reported
Mailing Street: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported
Mailing Zip 4 Extension: Not reported
Compliance Person: Not reported
Compliance Area Code: Not reported
Compliance Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DECORATIVE VENEER, INC (Continued)

S121718711

Emission Inventory Contact Person: Not reported
EI Contact Area Code: Not reported
EI Contact Phone Number: Not reported
Permit Contact Person: Not reported
Permit Contact Person Area Code: Not reported
Permit Contact Person Phone Number: Not reported
Federal Employer Id Number: Not reported
Of Employees: Not reported
Reporting Year: Not reported
Date Record Was Created: Not reported

74
South
> 1
2.303 mi.
12160 ft.

10358 N. 19TH ST
10358 N. 19TH ST
PLAINWELL, MI

US CDL **1024172754**
N/A

Relative:
Lower
Actual:
739 ft.

US CDL:
Address: 10358 N. 19TH ST
City: PLAINWELL
State: MI
Seizure Date: 01/04/2018

Q75
West
> 1
2.316 mi.
12226 ft.

WEST MICHIGAN INDUSTRIES
957 INDUSTRIAL PKWY
PLAINWELL, MI 49080
Site 5 of 14 in cluster Q

WDS **S111971319**
N/A

Relative:
Lower
Actual:
740 ft.

WDS:
Name: WEST MICHIGAN INDUSTRIES
Address: 957 INDUSTRIAL PKWY
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIK287756720
WMD Id: 463951
Site Specific Name: WEST MICHIGAN INDUSTRIES
Mailing Address: 957 INDUSTRIAL PKWY
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

Q76
West
> 1
2.316 mi.
12226 ft.

WEST MICHIGAN INDUSTRIES
957 INDUSTRIAL PKWY
PLAINWELL, MI 49080
Site 6 of 14 in cluster Q

FINDS **1007136851**
ECHO **N/A**

Relative:
Lower
Actual:
740 ft.

FINDS:
Registry ID: 110015849386

Click Here:

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,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST MICHIGAN INDUSTRIES (Continued)

1007136851

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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

ECHO:

Envid: 1007136851
Registry ID: 110015849386
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110015849386>
Name: WEST MICHIGAN INDUSTRIES
Address: 957 INDUSTRIAL PKWY
City,State,Zip: PLAINWELL, MI 49080

Q77
West
> 1
2.316 mi.
12226 ft.

WEST MICHIGAN INDUSTRIES
957 INDUSTRIAL PKWY
PLAINWELL, MI 49080

RCRA NonGen / NLR

1007097026
MIK287756720

Site 7 of 14 in cluster Q

Relative:
Lower

RCRA NonGen / NLR:

Actual:
740 ft.

Date Form Received by Agency: 20010629
Handler Name: WEST MICHIGAN INDUSTRIES
Handler Address: 957 INDUSTRIAL PKWY
Handler City,State,Zip: PLAINWELL, MI 49080
EPA ID: MIK287756720
Contact Name: KEN ENGELSMA
Contact Address: 957 INDUSTRIAL PKWY
Contact City,State,Zip: PLAINWELL, MI 49080
Contact Telephone: 616-685-8802
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 957 INDUSTRIAL PKWY
Mailing City,State,Zip: PLAINWELL, MI 49080
Owner Name: WEST MICHIGAN INDUSTRIES
Owner Type: Private
Operator Name: WEST MICHIGAN INDUSTRIES
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST MICHIGAN INDUSTRIES (Continued)

1007097026

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WEST MICHIGAN INDUSTRIES
Legal Status:	Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST MICHIGAN INDUSTRIES (Continued)

1007097026

Date Became Current:	20010629
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	WEST MICHIGAN INDUSTRIES
Legal Status:	Private
Date Became Current:	20010629
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20010629
Handler Name:	WEST MICHIGAN INDUSTRIES
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	11131
NAICS Description:	ORANGE GROVES

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
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Map ID
Direction
Distance
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MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	EDR ID Number EPA ID Number
R78 West > 1 2.345 mi. 12384 ft.	TOKUSEN HYTECH INC 950 LINCOLN PKWY PLAINWELL, MI 49080 Site 1 of 3 in cluster R	RCRA-SQG ECHO	1012180841 MIK651521783
Relative: Lower	RCRA-SQG:		
Actual: 739 ft.	Date Form Received by Agency:	20210325	
	Handler Name:	TOKUSEN HYTECH INC	
	Handler Address:	950 LINCOLN PKWY	
	Handler City,State,Zip:	PLAINWELL, MI 49080	
	EPA ID:	MIK651521783	
	Contact Name:	GLENN A FAIRCLOTH	
	Contact Address:	Not reported	
	Contact City,State,Zip:	Not reported	
	Contact Telephone:	269-685-1768	
	Contact Fax:	269-685-9250	
	Contact Email:	GFAIRCLOTH@HYTECHSPRING.COM	
	Contact Title:	Not reported	
	EPA Region:	05	
	Land Type:	Private	
	Federal Waste Generator Description:	Small Quantity Generator	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Handler Activities	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	950 LINCOLN PKWY	
	Mailing City,State,Zip:	PLAINWELL, MI 49080	
	Owner Name:	TOKUSEN HYTECH INC	
	Owner Type:	Private	
	Operator Name:	TOKUSEN HYTECH INC	
	Operator Type:	Private	
	Short-Term Generator Activity:	No	
	Importer Activity:	No	
	Mixed Waste Generator:	No	
	Transporter Activity:	No	
	Transfer Facility Activity:	No	
	Recycler Activity with Storage:	No	
	Small Quantity On-Site Burner Exemption:	No	
	Smelting Melting and Refining Furnace Exemption:	No	
	Underground Injection Control:	No	
	Off-Site Waste Receipt:	No	
	Universal Waste Indicator:	No	
	Universal Waste Destination Facility:	No	
	Federal Universal Waste:	No	
	Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site Converter Treatment storage and Disposal Facility:	Not reported	
	Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	N	
	Sub-Part K Indicator:	Not reported	
	Commercial TSD Indicator:	No	
	Treatment Storage and Disposal Type:	Not reported	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	Permit Renewals Workload Universe:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210819
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANDREW MAGIERA
Legal Status:	Private
Date Became Current:	19840102
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ANDREW MAGIERA
Legal Status:	Private
Date Became Current:	19840102
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TOKUSEN HYTECH INC
Legal Status: Private
Date Became Current: 20130401
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TOKUSEN HYTECH INC
Legal Status: Private
Date Became Current: 20130401
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TOKUSEN HYTECH INC
Legal Status: Private
Date Became Current: 20130401
Date Ended Current: Not reported
Owner/Operator Address: 950 LINCOLN PKWY
Owner/Operator City,State,Zip: PLAINWELL, MI 49080-1438
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TOKUSEN HYTECH INC
Legal Status: Private
Date Became Current: 20130401
Date Ended Current: Not reported
Owner/Operator Address: 950 LINCOLN PKWY
Owner/Operator City,State,Zip: PLAINWELL, MI 49080-1438
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TOKUSEN HYTECH INC
Legal Status: Private
Date Became Current: 20130401

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Date Ended Current: Not reported
Owner/Operator Address: 950 LINCOLN PKWY
Owner/Operator City,State,Zip: PLAINWELL, MI 49080-1438
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ANDREW MAGIERA
Legal Status: Private
Date Became Current: 19840102
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ANDREW MAGIERA
Legal Status: Private
Date Became Current: 19840102
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ANDREW MAGIERA
Legal Status: Private
Date Became Current: 19840102
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TOKUSEN HYTECH INC
Legal Status: Private
Date Became Current: 20130401
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Owner/Operator Name: TOKUSEN HYTECH INC
Legal Status: Private
Date Became Current: 20130401
Date Ended Current: Not reported
Owner/Operator Address: 950 LINCOLN PKWY
Owner/Operator City,State,Zip: PLAINWELL, MI 49080-1438
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ANDREW MAGIERA
Legal Status: Private
Date Became Current: 19840102
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ANDREW MAGIERA
Legal Status: Private
Date Became Current: 19840102
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ANDREW MAGIERA
Legal Status: Private
Date Became Current: 19840102
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ANDREW MAGIERA
Legal Status: Private
Date Became Current: 19840102
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TOKUSEN HYTECH INC
Legal Status:	Private
Date Became Current:	20130401
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TOKUSEN HYTECH INC
Legal Status:	Private
Date Became Current:	20130401
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANDREW MAGIERA
Legal Status:	Private
Date Became Current:	19840102
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANDREW MAGIERA
Legal Status:	Private
Date Became Current:	19840102
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANDREW MAGIERA
Legal Status:	Private
Date Became Current:	19840102
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TOKUSEN HYTECH INC
Legal Status: Private
Date Became Current: 20130401
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TOKUSEN HYTECH INC
Legal Status: Private
Date Became Current: 20130401
Date Ended Current: Not reported
Owner/Operator Address: 950 LINCOLN PKWY
Owner/Operator City,State,Zip: PLAINWELL, MI 49080-1438
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TOKUSEN HYTECH INC
Legal Status: Private
Date Became Current: 20130401
Date Ended Current: Not reported
Owner/Operator Address: 950 LINCOLN PKWY
Owner/Operator City,State,Zip: PLAINWELL, MI 49080-1438
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19800101
Handler Name: HYTECH SPRING AND MACHINE CORP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20081113
Handler Name: HYTECH SPRING AND MACHINE CORP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100317
Handler Name: HYTECH SPRING AND MACHINE CORP
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20110330
Handler Name: HYTECH SPRING AND MACHINE CORP
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120619
Handler Name: HYTECH SPRING AND MACHINE CORP
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130423
Handler Name: HYTECH SPRING AND MACHINE CORP
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20160127
Handler Name:	TOKUSEN HYTECH INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20161128
Handler Name:	TOKUSEN HYTECH INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20171101
Handler Name:	TOKUSEN HYTECH INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20180425
Handler Name:	TOKUSEN HYTECH INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Receive Date: 20190402
Handler Name: TOKUSEN HYTECH INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20210325
Handler Name: TOKUSEN HYTECH INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 332313
NAICS Description: PLATE WORK MANUFACTURING

NAICS Code: 332612
NAICS Description: SPRING (LIGHT GAUGE) MANUFACTURING

NAICS Code: 332613
NAICS Description: SPRING MANUFACTURING

NAICS Code: 332721
NAICS Description: PRECISION TURNED PRODUCT MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20190110
Actual Return to Compliance Date: 20190222
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20190124
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20190110
Actual Return to Compliance Date:	20190222
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190124
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20190110
Actual Return to Compliance Date:	20190222
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190124
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20190110
Actual Return to Compliance Date:	20190222
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190124
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20110308
Actual Return to Compliance Date:	20110321
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20110315
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20190110
Actual Return to Compliance Date:	20190222
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190124
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	20110308
Actual Return to Compliance Date:	20110321
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20110315
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20190110
Actual Return to Compliance Date:	20190222
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190124
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 20190110
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20190222
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20190110
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20190222
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20190110
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20190222
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20190110
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20190222
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20110308

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20110321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190110
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110308
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20110321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190110
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOKUSEN HYTECH INC (Continued)

1012180841

ECHO:

Envid: 1012180841
Registry ID: 110038872574
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110038872574>
Name: TOKUSEN HYTECH INC
Address: 950 LINCOLN PKWY
City,State,Zip: PLAINWELL, MI 49080

R79
West
> 1
2.345 mi.
12384 ft.

TOKUSEN HYTECH INC
950 LINCOLN PKWY
PLAINWELL, MI 49080
Site 2 of 3 in cluster R

WDS S111956550
N/A

Relative:
Lower
Actual:
739 ft.

WDS:
Name: TOKUSEN HYTECH INC
Address: 950 LINCOLN PKWY
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIK651521783
WMD Id: 438654
Site Specific Name: HYTECH SPRING AND MACHINE CORP
Mailing Address: 950 LINCOLN PKWY
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

R80
West
> 1
2.345 mi.
12384 ft.

TOKUSEN HYTECH INC
950 LINCOLN PKWY
PLAINWELL, MI 49080
Site 3 of 3 in cluster R

FINDS 1012100452
N/A

Relative:
Lower
Actual:
739 ft.

FINDS:
Registry ID: 110038872574
Click Here:

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.

Registry ID: 110070298116

Click Here:

Environmental Interest/Information System:

OSHA ESTABLISHMENT

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Q81 West > 1 2.347 mi. 12391 ft.	LAD CLEANING SOLUTIONS, INC. 950 INDUSTRIAL PKY PLAINWELL, MI 49080 Site 8 of 14 in cluster Q	FINDS	1012003083 N/A
--	--	--------------	---------------------------------

Relative: FINDS:
Lower Registry ID: 110038256231

Actual:
740 ft. Click Here:

Environmental Interest/Information System:

SSTS (Section Seven Tracking System) evolved from the FIFRA and TSCA Enforcement System (FATES). SSTS tracks the registration of all pesticide-producing establishments and tracks annually the types and amounts of pesticides, active ingredients, and related devices that are produced, sold, or distributed each year.

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

Q82 West > 1 2.347 mi. 12391 ft.	LAD CHEMICALS, INC. 950 INDUSTRIAL PKY PLAINWELL, MI 49080 Site 9 of 14 in cluster Q	SSTS	1004533398 N/A
--	---	-------------	---------------------------------

Relative: SSTS:
Lower Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PKY
City,State,Zip: PLAINWELL, MI 49080
Report Year: 1997
Registration Number: 013029MI 001

Pre 2016:

Registration Number: 013029MI 001
Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PKY
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: KLEEN SEPT II
Product Code: 1
EPA Product Registration Number: 00145900028013029
Product Type: 1
Product Classification: 20
Product Use: 9
Market Type: 1
Product Unit of Measure: G
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Registration Number: 013029MI 001
Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PKY
Address 2: Not reported
Country Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAD CHEMICALS, INC. (Continued)

1004533398

Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: PINE-A-CIDE
Product Code: 1
EPA Product Registration Number: 00145900080013029
Product Type: 1
Product Classification: 20
Product Use: 9
Market Type: 1
Product Unit of Measure: G
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Registration Number: 013029MI 001
Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PKY
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: SANITE
Product Code: 1
EPA Product Registration Number: 00145900047013029
Product Type: 1
Product Classification: 20
Product Use: 9
Market Type: 1
Product Unit of Measure: G
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Report Year: 1996
Registration Number: 013029MI 001

Pre 2016:
Registration Number: 013029MI 001
Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PKY
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: KLEEN SEPT II
Product Code: 1
EPA Product Registration Number: 00145900028
Product Type: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAD CHEMICALS, INC. (Continued)

1004533398

Product Classification:	20
Product Use:	9
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	013029MI 001
Name:	LAD CHEMICALS, INC.
Address:	950 INDUSTRIAL PKY
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	PINE-A-CIDE
Product Code:	1
EPA Product Registration Number:	00145900080
Product Type:	1
Product Classification:	20
Product Use:	9
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	013029MI 001
Name:	LAD CHEMICALS, INC.
Address:	950 INDUSTRIAL PKY
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SANITE
Product Code:	1
EPA Product Registration Number:	00145900047
Product Type:	1
Product Classification:	20
Product Use:	9
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Q83
West
> 1
2.347 mi.
12391 ft.

LAD CHEMICALS
950 INDUSTRIAL PKWY
PLAINWELL, MI 49080

Site 10 of 14 in cluster Q

WDS **S111970390**
N/A

Relative: WDS:
Lower Name: LAD CHEMICALS
Address: 950 INDUSTRIAL PKWY
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIG000006080
WMD Id: 458377
Site Specific Name: LAD CHEMICALS
Mailing Address: 950 INDUSTRIAL PKWY
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

Q84
West
> 1
2.347 mi.
12391 ft.

LAD CHEMICALS, INC.
950 INDUSTRIAL PARKWAY
PLAINWELL, MI 49080

Site 11 of 14 in cluster Q

SSTS **1005432262**
N/A

Relative: SSTS:
Lower Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
Report Year: 1991
Registration Number: 013029MI 001

Pre 2016:
Registration Number: 013029MI 001
Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PARKWAY
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: KLEEN SEPT II
Product Code: 1
EPA Product Registration Number: 00145900028
Product Type: 2
Product Classification: 09
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Registration Number: 013029MI 001
Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PARKWAY
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAD CHEMICALS, INC. (Continued)

1005432262

Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: PINE A CIDE
Product Code: 1
EPA Product Registration Number: 00145900080
Product Type: 2
Product Classification: 09
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Registration Number: 013029MI 001
Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PARKWAY
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: SANITE
Product Code: 1
EPA Product Registration Number: 00145900047
Product Type: 2
Product Classification: 09
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Report Year: 1990
Registration Number: 013029MI 001

Pre 2016:

Registration Number: 013029MI 001
Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PARKWAY
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: KLEEN SEPT II
Product Code: 1
EPA Product Registration Number: 00145900028
Product Type: 2
Product Classification: 09
Product Use: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAD CHEMICALS, INC. (Continued)

1005432262

Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Registration Number: 013029MI 001
Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PARKWAY
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: PINE-A-CIDE
Product Code: 1
EPA Product Registration Number: 00145900080
Product Type: 2
Product Classification: 09
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Registration Number: 013029MI 001
Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PARKWAY
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: SANITE
Product Code: 1
EPA Product Registration Number: 00145900047
Product Type: 2
Product Classification: 09
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Report Year: 1992
Registration Number: 013029MI 001

Pre 2016:

Registration Number: 013029MI 001
Name: LAD CHEMICALS, INC.
Address: 950 INDUSTRIAL PARKWAY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAD CHEMICALS, INC. (Continued)

1005432262

Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	KLEEN SEPT II
Product Code:	1
EPA Product Registration Number:	00145900028
Product Type:	2
Product Classification:	09
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	013029MI 001
Name:	LAD CHEMICALS, INC.
Address:	950 INDUSTRIAL PARKWAY
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	PINE A CIDE
Product Code:	1
EPA Product Registration Number:	00145900080
Product Type:	2
Product Classification:	09
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	013029MI 001
Name:	LAD CHEMICALS, INC.
Address:	950 INDUSTRIAL PARKWAY
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SANITE
Product Code:	1
EPA Product Registration Number:	00145900047
Product Type:	2
Product Classification:	09
Product Use:	2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAD CHEMICALS, INC. (Continued)

1005432262

Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

85
WNW
> 1
2.352 mi.
12416 ft.

MEERT FARMS
497 8TH ST
PLAINWELL, MI 49080

AST A100354450
N/A

Relative:
Lower

AST:

Actual:
730 ft.

Name: MEERT FARMS
Address: 497 8TH ST
City: PLAINWELL
Zip: 49080-9579
Facility ID: 92085394
Owner Name: S & F PROPANE LLC
Owner Address: 10359 EAST M-89
Owner City,St,Zip: RICHLAND, MI 49083
District: 3
Date of Collection: 01/11/2011
Accuracy: 10 METERS
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description Category: Not reported
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Horizontal Datum: NAD83
Latitude: 42.4574570
Longitude: -85.620738

Tank Id: ATK-137400-15
Tank Status: Emptied and Cleaned
Capacity (in gallons): 3500
Installation Date: 06/24/2010
Substance Stored: LPG
Removed/Closed Date: 04/09/2012

S86
NE
> 1
2.354 mi.
12428 ft.

DOSTER COUNTRY STORE
10 106TH AVENUE
PLAINWELL, MI
Site 1 of 4 in cluster S

RGA LUST S115673443
N/A

Relative:
Higher

RGA LUST:

Actual:
909 ft.

2001	DOSTER COUNTRY STORE	10 106TH AVENUE
2000	DOSTER COUNTRY STORE	10 106TH AVENUE
1999	DOSTER COUNTRY STORE	10 106TH AVENUE
1998	DOSTER COUNTRY STORE	10 106TH AVENUE
1997	DOSTER COUNTRY STORE	10 106TH AVENUE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

S87
NE
> 1
2.354 mi.
12428 ft.

DOSTER COUNTRY STORE
10 106TH AVE
PLAINWELL, MI

Site 2 of 4 in cluster S

RGA LUST **S115673444**
N/A

Relative:
Higher
Actual:
909 ft.

RGA LUST:

2012	DOSTER COUNTRY STORE	10 106TH AVE
2011	DOSTER COUNTRY STORE	10 106TH AVE
2010	DOSTER COUNTRY STORE	10 106TH AVE
2009	DOSTER COUNTRY STORE	10 106TH AVE
2008	DOSTER COUNTRY STORE	10 106TH AVE
2007	DOSTER COUNTRY STORE	10 106TH AVE
2006	DOSTER COUNTRY STORE	10 106TH AVE
2005	DOSTER COUNTRY STORE	10 106TH AVE
2004	DOSTER COUNTRY STORE	10 106TH AVE
2003	DOSTER COUNTRY STORE	10 106TH AVE

S88
NE
> 1
2.354 mi.
12428 ft.

10 106TH
PLAINWELL, MI 49080

Site 3 of 4 in cluster S

CDL **S123336118**
N/A

Relative:
Higher
Actual:
909 ft.

CDL:

Name:	Not reported
Address:	10 106TH
City:	PLAINWELL
Date:	Not reported
Type:	Not reported
Cross street:	Not reported
Lab type:	Not reported
Agency:	Not reported
Complaint #:	Not reported
Oic:	Not reported
Child:	Not reported
Fire:	Not reported
Injuries:	Not reported
Who:	Not reported
Lab:	Not reported
Dump:	Not reported
Glass:	Not reported
Unknown:	Not reported
<2:	Not reported
2 - 8oz:	Not reported
9oz - 1lb:	Not reported
2 - 9lb:	Not reported
10 - 19lb:	Not reported
20lb >:	Not reported
Chemical:	Methamphetamines
Quantity Seized:	1000
ORI Number:	Not reported
Incident Number:	1800002947
Incident Date:	02/22/2018
Entry Date:	03/20/2018
Loss Type:	Seized
Unit of Measure:	GM
Latitude:	42.465026
Longitude:	-85.544211
ORI Name:	MI0310300

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S123336118

Micr Incidents ID: Not reported
Drug Desc: Not reported

S89 **DOSTER COUNTRY STORE**
NE **10 106TH AVE**
> 1 **PLAINWELL, MI 49080**
2.354 mi.
12428 ft. **Site 4 of 4 in cluster S**

LUST **U001776887**
UST **N/A**
AST
INVENTORY
Financial Assurance
WDS

Relative:
Higher
Actual:
909 ft.

LUST:
Name: DOSTER COUNTRY STORE
Address: 10 106TH AVE
City,State,Zip: PLAINWELL, MI 49080-
Facility ID: 00009832
Source: STATE OF MICHIGAN
Owner Name: DosterCountry Store
Owner Address: Not reported
Owner City,St,Zip: UNKNOWN, MI
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Kalamazoo
Site Name: Doster Country Store
Latitude: 42.46506
Longitude: -85.54447
Date of Collection: 01/12/1998
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)
Regulatory Program: Not reported
Risk Condition: Not reported
Project Manager: Not reported
Senate District: Not reported
House District: Not reported
US Congressional District: Not reported

Leak Number: C-0253-97
Release Date: 04/22/1997
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 10/24/1997

UST:
Name: DOSTER COUNTRY STORE
Address: 10 106TH AVE
City,State,Zip: PLAINWELL 49080-9302
Facility Type: ACTIVE
Facility ID: 00009832
Owner Name: DOSTER COUNTRY STORE
Owner Address: 10 106TH AVE
Owner City: PLAINWELL
Owner State: MI
Owner Zip: 49080-9302
Owner Contact: Not reported
Owner Phone: 6166644468

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOSTER COUNTRY STORE (Continued)

U001776887

Contact: Jack Pierce
Contact Phone: (616) 664-4468
Date of Collection: 01/12/1998
Accuracy: 10
Horizontal Datum: NAD83
Accuracy Value Unit: METERS
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
District: Region 3 - Kalamazoo District Office
Tank ID: 3
Capacity: 12000
Tank Status: Currently In Use
Substance: Gasoline
Install Date: 04/28/1997
Remove Date: Not reported
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: 42.46506
Longitude: -85.54447

Name: DOSTER COUNTRY STORE
Address: 10 106TH AVE
City,State,Zip: PLAINWELL 49080-9302
Facility Type: ACTIVE
Facility ID: 00009832
Owner Name: DOSTER COUNTRY STORE
Owner Address: 10 106TH AVE
Owner City: PLAINWELL
Owner State: MI
Owner Zip: 49080-9302
Owner Contact: Not reported
Owner Phone: 6166644468
Contact: Jack Pierce
Contact Phone: (616) 664-4468
Date of Collection: 01/12/1998
Accuracy: 10
Horizontal Datum: NAD83
Accuracy Value Unit: METERS
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
District: Region 3 - Kalamazoo District Office
Tank ID: 2
Capacity: 500
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: 04/22/1976
Remove Date: 04/24/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOSTER COUNTRY STORE (Continued)

U001776887

Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: 42.46506
Longitude: -85.54447

Name: DOSTER COUNTRY STORE
Address: 10 106TH AVE
City,State,Zip: PLAINWELL 49080-9302
Facility Type: ACTIVE
Facility ID: 00009832
Owner Name: DOSTER COUNTRY STORE
Owner Address: 10 106TH AVE
Owner City: PLAINWELL
Owner State: MI
Owner Zip: 49080-9302
Owner Contact: Not reported
Owner Phone: 6166644468
Contact: Jack Pierce
Contact Phone: (616) 664-4468
Date of Collection: 01/12/1998
Accuracy: 10
Horizontal Datum: NAD83
Accuracy Value Unit: METERS
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
District: Region 3 - Kalamazoo District Office
Tank ID: 1
Capacity: 1000
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: 04/22/1976
Remove Date: 04/24/1997
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: 42.46506
Longitude: -85.54447

AST:

Name: DOSTER STORE
Address: 10 106TH AVE
City: PLAINWELL
Zip: 49080-9302
Facility ID: 92085076

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOSTER COUNTRY STORE (Continued)

U001776887

Owner Name: S & F PROPANE LLC
Owner Address: 10359 EAST M-89
Owner City,St,Zip: RICHLAND, MI 49083
District: 3
Date of Collection: 01/08/2011
Accuracy: 10 METERS
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description Category: Not reported
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Horizontal Datum: NAD83
Latitude: 42.4647600
Longitude: -85.543870

Tank Id: ATK-123438-15
Tank Status: Removed from Premises
Capacity (in gallons): 1000
Installation Date: 09/14/2007
Substance Stored: LPG
Removed/Closed Date: 07/25/2013

Tank Id: ATK-139055-15
Tank Status: Currently In Use
Capacity (in gallons): 1000
Installation Date: 07/25/2013
Substance Stored: LPG
Removed/Closed Date: Not reported

INVENTORY:

Name: DOSTER COUNTRY STORE
Address: 10 106TH AVE
City,State,Zip: PLAINWELL, MI 49080
Township: Gunplain
District: Kalamazoo
Data Source: Risks Not Determined
Location ID: 59131
Lust Name: Doster Country Store
Regulatory Program: 213
Release Status: Open
Project Manager: Whitmyer, Nathan
Latitude: 42.46508147
Longitude: -85.54388665

FINANCIAL ASSURANCE 3:

Name: DOSTER COUNTRY STORE
Address: 10 106TH AVE
City,State,Zip: PLAINWELL, MI 49080-9302
Facility ID: 00009832
Exempt: No
Expiration Date: 04/13/2022
Bond Rating Tests: Not reported
Commerical Insurance: CHECKED
Guarantee: Not reported
Letter of Credit: Not reported
Risk Retention Group: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOSTER COUNTRY STORE (Continued)

U001776887

Self Insurance: Not reported
State Funds: Not reported
Surety Bond: Not reported
Trust Funds: Not reported
Year: 2021

WDS:

Name: DOSTER COUNTRY STORE
Address: 10 106TH AVE
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIG000048599
WMD Id: 438873
Site Specific Name: DOSTER COUNTRY STORE
Mailing Address: 10 106TH AVE
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

Q90
West
> 1
2.366 mi.
12493 ft.

PERCEPTIVE INDUSTRIES INC
951 INDUSTRIAL PKWY
PLAINWELL, MI 49080

RCRA-VSQG 1012180392
MIK381653567

Site 12 of 14 in cluster Q

Relative:
Lower

RCRA-VSQG:

Actual:
740 ft.

Date Form Received by Agency: 20090504
Handler Name: PERCEPTIVE INDUSTRIES INC
Handler Address: 951 INDUSTRIAL PKWY
Handler City,State,Zip: PLAINWELL, MI 49080
EPA ID: MIK381653567
Contact Name: WILLIAM GORANG
Contact Address: 951 INDUSTRIAL PKWY
Contact City,State,Zip: PLAINWELL, MI 49080
Contact Telephone: 269-685-3040
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: Private
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 951 INDUSTRIAL PKWY
Mailing City,State,Zip: PLAINWELL, MI 49080
Owner Name: PERCEPTIVE INDUSTRIES INC
Owner Type: Private
Operator Name: PERCEPTIVE INDUSTRIES INC
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PERCEPTIVE INDUSTRIES INC (Continued)

1012180392

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PERCEPTIVE INDUSTRIES INC (Continued)

1012180392

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PERCEPTIVE INDUSTRIES INC
Legal Status:	Private
Date Became Current:	20060102
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PERCEPTIVE INDUSTRIES INC
Legal Status:	Private
Date Became Current:	20060102
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20090504
Handler Name:	PERCEPTIVE INDUSTRIES INC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	33242
NAICS Description:	METAL TANK (HEAVY GAUGE) MANUFACTURING
NAICS Code:	333414
NAICS Description:	HEATING EQUIPMENT (EXCEPT WARM AIR FURNACES) MANUFACTURING
NAICS Code:	333922
NAICS Description:	CONVEYOR AND CONVEYING EQUIPMENT MANUFACTURING
NAICS Code:	333994
NAICS Description:	INDUSTRIAL PROCESS FURNACE AND OVEN MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Evaluation Action Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PERCEPTIVE INDUSTRIES INC (Continued)

1012180392

Evaluations:

No Evaluations Found

Q91
West
> 1
2.366 mi.
12493 ft.
Relative:
Lower
Actual:
740 ft.

PERCEPTIVE INDUSTRIES INC
951 INDUSTRIAL PKWY
PLAINWELL, MI 49080

Site 13 of 14 in cluster Q

FINDS **1012235148**
ECHO **N/A**

FINDS:

Registry ID: 110039567028

Click Here:

Environmental Interest/Information System:

OSHA ESTABLISHMENT

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

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

ECHO:

Envid: 1012235148
Registry ID: 110039567028
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110039567028>
Name: PERCEPTIVE INDUSTRIES INC
Address: 951 INDUSTRIAL PKWY
City,State,Zip: PLAINWELL, MI 49080

Q92
West
> 1
2.366 mi.
12493 ft.
Relative:
Lower
Actual:
740 ft.

PERCEPTIVE INDUSTRIES INC
951 INDUSTRIAL PKWY
PLAINWELL, MI 49080

Site 14 of 14 in cluster Q

WDS **S111981890**
N/A

WDS:

Name: PERCEPTIVE INDUSTRIES INC
Address: 951 INDUSTRIAL PKWY
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIK381653567
WMD Id: 486095
Site Specific Name: PERCEPTIVE INDUSTRIES INC
Mailing Address: 951 INDUSTRIAL PKWY
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

93
West
> 1
2.371 mi.
12521 ft.

AMOCO OIL CO
LOCUS ST & NY CENTRAL R/R
PLAINWELL, MI 49080

UST **U000249338**
N/A

Relative:
Lower

UST:

Actual:
741 ft.

Name: AMOCO OIL CO
Address: LOCUS ST & NY CENTRAL R/R
City,State,Zip: PLAINWELL 49080
Facility Type: CLOSED
Facility ID: 00021359
Owner Name: AMOCO PETROLEUM PRODUCTS
Owner Address: 17187 N LAUREL PARK STE 365
Owner City: LIVONIA
Owner State: MI
Owner Zip: 48152-3954
Owner Contact: Not reported
Owner Phone: 7349537013
Contact: J.E. WESTON
Contact Phone: (313) 855-8388
Date of Collection: Not reported
Accuracy: Not reported
Horizontal Datum: Not reported
Accuracy Value Unit: Not reported
Source: Not reported
Point Line Area: Not reported
Desc Category: Not reported
Method of Collection: Not reported
District: Region 3 - Kalamazoo District Office
Tank ID: 1
Capacity: 2000
Tank Status: Closed in Ground
Substance: Not reported
Install Date: 06/01/1976
Remove Date: 05/01/1976
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: Not reported
Longitude: Not reported

T94
West
> 1
2.379 mi.
12560 ft.

946 INDUSTRIAL PARKWAY, PLAINWELL, MI 49080
946 INDUSTRIAL PARKWAY
PLAINWELL, MI 49080

INVENTORY **S111943374**
BEA **N/A**
WDS

Site 1 of 7 in cluster T

Relative:
Lower

INVENTORY:

Actual:
740 ft.

Name: 946 INDUSTRIAL PARKWAY, PLAINWELL, MI 49080
Address: 946 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
Township: Not reported
District: Kalamazoo
Data Source: Risks Not Determined

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

946 INDUSTRIAL PARKWAY, PLAINWELL, MI 49080 (Continued)

S111943374

Location ID: 77823
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Mora, Pablo
Latitude: 42.44793918
Longitude: -85.62645547

Name: 946 INDUSTRIAL PARKWAY, PLAINWELL, MI 49080
Address: 946 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
Township: Not reported
District: Kalamazoo
Data Source: Risks Not Determined
Location ID: 77824
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Mora, Pablo
Latitude: 42.44793918
Longitude: -85.62645547

Name: 946 INDUSTRIAL PARKWAY
Address: 946 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
Township: Not reported
District: Kalamazoo
Data Source: Risks Not Determined
Location ID: 77991
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Mora, Pablo
Latitude: 42.44791829
Longitude: -85.62570551

BEA:

Name: 946 INDUSTRIAL PARKWAY
Address: 946 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 10/29/2019
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 03000405
Submittal Type: Baseline Environmental Assessment
Submittal Number: 03000405-BEA-1
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 2020-01-27 12:55:43

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

946 INDUSTRIAL PARKWAY, PLAINWELL, MI 49080 (Continued)

S111943374

Date Completed: 10/25/2019
Township: Not reported
Work Unit: Kalamazoo
Comments: Not reported
Organization: PTMD, LLC
Contact: Anson, Scott
Contact Type: Prospective Owner

WDS:

Name: SIGNATURE PRINTING CO
Address: 946 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIR000020255
WMD Id: 411201
Site Specific Name: SIGNATURE PRINTING CO
Mailing Address: P O BOX 420
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

T95
West
> 1
2.379 mi.
12560 ft.

SIGNATURE PRINTING CO
946 INDUSTRIAL PARKWAY
PLAINWELL, MI 49080

RCRA-VSQQ
FINDS
ECHO

1001124103
MIR000020255

Site 2 of 7 in cluster T

Relative:
Lower
Actual:
740 ft.

RCRA-VSQQ:
Date Form Received by Agency: 20021231
Handler Name: SIGNATURE PRINTING CO
Handler Address: 946 INDUSTRIAL PARKWAY
Handler City,State,Zip: PLAINWELL, MI 49080
EPA ID: MIR000020255
Contact Name: BRUCE DANNENHAUER
Contact Address: 946 INDUSTRIAL PARKWAY
Contact City,State,Zip: PLAINWELL, MI 49080
Contact Telephone: 269-685-6842
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: Private
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: P O BOX 420
Mailing City,State,Zip: PLAINWELL, MI 49080
Owner Name: BRUCE DANNENHAUER
Owner Type: Private
Operator Name: BRUCE DANNENHAUER
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIGNATURE PRINTING CO (Continued)

1001124103

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIGNATURE PRINTING CO (Continued)

1001124103

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BRUCE DANNENHAUER
Legal Status:	Private
Date Became Current:	19700101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BRUCE DANNENHAUER
Legal Status:	Private
Date Became Current:	19700101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BRUCE DANNENHAUER
Legal Status:	Private
Date Became Current:	19700101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BRUCE DANNENHAUER
Legal Status:	Private
Date Became Current:	19700101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BRUCE DANNENHAUER
Legal Status:	Private
Date Became Current:	19700101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIGNATURE PRINTING CO (Continued)

1001124103

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BRUCE DANNENHAUER
Legal Status:	Private
Date Became Current:	19700101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19961125
Handler Name:	SIGNATURE PRINTING CO
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20021230
Handler Name:	SIGNATURE PRINTING CO
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20021231
Handler Name:	SIGNATURE PRINTING CO
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIGNATURE PRINTING CO (Continued)

1001124103

List of NAICS Codes and Descriptions:

NAICS Code: 32311
NAICS Description: PRINTING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110003698865

Click Here:

Environmental Interest/Information System:

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

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

ECHO:

Envid: 1001124103
Registry ID: 110003698865
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003698865>
Name: SIGNATURE PRINTING CO
Address: 946 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080

U96
West
> 1
2.393 mi.
12634 ft.

PLAINWELL READY MIX
954 E BRIDGE ST
PLAINWELL, MI 49080

UST **U003426288**
N/A

Site 1 of 5 in cluster U

Relative:
Lower

UST:

Actual:
741 ft.

Name: PLAINWELL READY MIX
Address: 954 E BRIDGE ST
City,State,Zip: PLAINWELL 49080-1843
Facility Type: CLOSED
Facility ID: 00039680
Owner Name: PLAINWELL READY MIX
Owner Address: PO BOX 492
Owner City: PLAINWELL
Owner State: MI
Owner Zip: 49080-0492
Owner Contact: Not reported
Owner Phone: 6166855256
Contact: Not reported
Contact Phone: () -
Date of Collection: 09/18/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLAINWELL READY MIX (Continued)

U003426288

Accuracy: 15
Horizontal Datum: NAD83
Accuracy Value Unit: METERS
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Not reported
Method of Collection: Interpolation-Map
District: Region 3 - Kalamazoo District Office
Tank ID: 2
Capacity: 1500
Tank Status: Removed from Ground
Substance: Diesel
Install Date: Not reported
Remove Date: 04/16/1998
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: 42.44271
Longitude: -85.62714

Name: PLAINWELL READY MIX
Address: 954 E BRIDGE ST
City,State,Zip: PLAINWELL 49080-1843
Facility Type: CLOSED
Facility ID: 00039680
Owner Name: PLAINWELL READY MIX
Owner Address: PO BOX 492
Owner City: PLAINWELL
Owner State: MI
Owner Zip: 49080-0492
Owner Contact: Not reported
Owner Phone: 6166855256
Contact: Not reported
Contact Phone: () -
Date of Collection: 09/18/2006
Accuracy: 15
Horizontal Datum: NAD83
Accuracy Value Unit: METERS
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Not reported
Method of Collection: Interpolation-Map
District: Region 3 - Kalamazoo District Office
Tank ID: 1
Capacity: 500
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: Not reported
Remove Date: 04/16/1998
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLAINWELL READY MIX (Continued)

U003426288

Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: 42.44271
Longitude: -85.62714

U97
West
> 1
2.393 mi.
12634 ft.

954 EAST BRIDGE STREET
954 EAST BRIDGE STREET
PLAINWELL, MI 49080

INVENTORY **S114033008**
BEA **N/A**

Site 2 of 5 in cluster U

Relative:
Lower
Actual:
741 ft.

INVENTORY:

Name: 954 EAST BRIDGE STREET
Address: 954 EAST BRIDGE STREET
City,State,Zip: PLAINWELL, MI 49080
Township: Not reported
District: Kalamazoo
Data Source: Risks Not Determined
Location ID: 69812
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Heywood, David
Latitude: 42.44262943
Longitude: -85.62708979

Name: 954 E. BRIDGE ST. & 121 LOCUST ST.
Address: 954 E. BRIDGE ST. & 121 LOCUST ST.
City,State,Zip: MI 49080
Township: Plainwell
District: Kalamazoo
Data Source: Risks Not Determined
Location ID: 69813
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Heywood, David
Latitude: 42.4428
Longitude: -85.6275

BEA:

Name: 954 EAST BRIDGE STREET
Address: 954 EAST BRIDGE STREET
City,State,Zip: PLAINWELL, MI 49080
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 03/31/1998
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

954 EAST BRIDGE STREET (Continued)

S114033008

Division Assigned: Not reported
Location ID: 03000378
Submittal Type: Baseline Environmental Assessment
Submittal Number: P199800148PL
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 2004-01-31 07:29:04
Date Completed: Not reported
Township: Not reported
Work Unit: Kalamazoo
Comments: Not reported
Organization: Max Wienhoft
Contact: Marc D. Florian
Contact Type: Submitter Contact

Name: 954 EAST BRIDGE STREET
Address: 954 EAST BRIDGE STREET
City,State,Zip: PLAINWELL, MI 49080
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 09/19/2001
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 03000378
Submittal Type: Baseline Environmental Assessment
Submittal Number: B200100480PL
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 2004-01-31 07:29:04
Date Completed: Not reported
Township: Not reported
Work Unit: Kalamazoo
Comments: Not reported
Organization: 954 East Bridge Street, L.L.C.
Contact: Tom Thomas
Contact Type: Submitter Contact

Name: 954 E. BRIDGE ST. & 121 LOCUST ST.
Address: 954 E. BRIDGE ST. & 121 LOCUST ST.
City,State,Zip: MI 49080
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 02/18/2009
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

954 EAST BRIDGE STREET (Continued)

S114033008

Location ID:	03000379
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	P200901347PL
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2009-02-18 15:28:57
Date Completed:	Not reported
Township:	Plainwell
Work Unit:	Kalamazoo
Comments:	Petitioner/consultant determined that arsenic, mercury, and silver were present in the soil at concentrations above Part 201 criteria. No GW contamination discovered. 03/10/09: QRT discussed BEA and agreed that it could be affirmed.
Organization:	PCB Real Estate, LLC
Contact:	Jean Talanda, Stolz Environmental
Contact Type:	Submitter Contact
Name:	954 E. BRIDGE ST. & 121 LOCUST ST.
Address:	954 E. BRIDGE ST. & 121 LOCUST ST.
City,State,Zip:	MI 49080
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	02/18/2009
Submitter Name:	Not reported
Petition Determination:	Not reported
Petition Disclosure:	Not reported
Category:	Not reported
Determination 20107A:	Not reported
Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	03000379
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B200901348PL
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2009-02-18 15:37:54
Date Completed:	Not reported
Township:	Plainwell
Work Unit:	Kalamazoo
Comments:	Category B1 REVIEW CONCLUSION: BEA identifies a new concern, in whole or in part, and assessment of the available information indicates no imminent, ongoing or evident future significant risk exists. FURTHER ASSESSMENT, NOTIFICATION, AND/OR MITIGATION ACTION TO BE TAKEN: None at this time Notification provided to: Date: (Name here) (date here)
Organization:	Portage Commerce Bank
Contact:	Jean Talanda, CPG
Contact Type:	Submitter Contact

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

U98
West
> 1
2.393 mi.
12634 ft.

BRIDGE (954) STREET, EAST
954 EAST BRIDGE STREET
PLAINWELL, MI

Site 3 of 5 in cluster U

BEA S104909061
N/A

Relative:
Lower

Actual:
741 ft.

BEA:

Name: BRIDGE (954) STREET, EAST
Address: 954 EAST BRIDGE STREET
City,State,Zip: PLAINWELL, MI
Secondary Address: Not reported
BEA Number: 148
District: Kalamazoo
Date Received: 03/31/1998
Submitter Name: Max Wienhoft
Petition Determination: Affirmed
Petition Disclosure: 1
Category: N
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: ERD
Location ID: Not reported
Submittal Type: Not reported
Submittal Number: Not reported
Approval Status: Not reported
Workflow Status: Not reported
Date Submitted: Not reported
Date Completed: Not reported
Township: Not reported
Work Unit: Not reported
Comments: Not reported
Organization: Not reported
Contact: Not reported
Contact Type: Not reported

Name: BRIDGE (954) STREET, EAST
Address: 954 EAST BRIDGE STREET
City,State,Zip: PLAINWELL, MI
Secondary Address: Not reported
BEA Number: 480
District: Kalamazoo
Date Received: 09/19/2001
Submitter Name: 954 East Bridge Street, L.L.C.
Petition Determination: No Request
Petition Disclosure: 0
Category: N
Determination 20107A: No Request
Reviewer: ducharmm
Division Assigned: ERD
Location ID: Not reported
Submittal Type: Not reported
Submittal Number: Not reported
Approval Status: Not reported
Workflow Status: Not reported
Date Submitted: Not reported
Date Completed: Not reported
Township: Not reported
Work Unit: Not reported
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRIDGE (954) STREET, EAST (Continued)

S104909061

Organization: Not reported
Contact: Not reported
Contact Type: Not reported

T99
West
> 1
2.410 mi.
12723 ft.

CONSOLIDATED STRIPPING
942 INDUSTRIAL PARKWAY
PLAINWELL, MI 49080

AIRS S110530467
N/A

Site 3 of 7 in cluster T

Relative:
Lower

AIRS:

Actual:
739 ft.

Name: CONSOLIDATED STRIPPING
Address: 942 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
State Registration Number: N3689
Naics Code: Not reported
Contact Email: Not reported
Contact Name: DONALD SCHMIDTKE
Contact Phone: 6166646044
Contact Address: 14462 S BURCHETT ROAD
Contact City,St,Zip: PLAINWELL, MI 49080
Permit Number: 178-93
Date Received: 02/26/1993
Application Reason: BATCH BURN-OFF OVEN
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
Facility Status Code: Not reported
Facility Status: InActive
Supplemental Location Text: Not reported
Business Name: Not reported
Principal Product: Not reported
Principal Product Description: Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported
UTM Horizontal Coord: Not reported
UTM Vertical Coord: Not reported
Mailing Name: Not reported
Mailing Contact Person: Not reported
Mailing Street: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported
Mailing Zip 4 Extension: Not reported
Compliance Person: Not reported
Compliance Area Code: Not reported
Compliance Phone Number: Not reported
Emission Inventory Contact Person: Not reported
EI Contact Area Code: Not reported
EI Contact Phone Number: Not reported
Permit Contact Person: Not reported
Permit Contact Person Area Code: Not reported
Permit Contact Person Phone Number: Not reported
Federal Employer Id Number: Not reported
Of Employees: Not reported
Reporting Year: Not reported
Date Record Was Created: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U100
West
> 1
2.422 mi.
12789 ft.

HIR CORP
950 E BRIDGE ST
PLAINWELL, MI 49080

Site 4 of 5 in cluster U

WDS **S111962122**
N/A

Relative: WDS:
Lower Name: HIR CORP
Address: 950 E BRIDGE ST
City,State,Zip: PLAINWELL, MI 49080
Site Id: MIG000034148
WMD Id: 446468
Site Specific Name: HIR CORP
Mailing Address: 950 E BRIDGE ST
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

U101
West
> 1
2.432 mi.
12839 ft.

LOCUST (124) STREET
124 LOCUST STREET
PLAINWELL, MI 49080

Site 5 of 5 in cluster U

INVENTORY **S105768365**
BEA **N/A**

Relative: INVENTORY:
Lower Name: 124 LOCUST STREET
Address: 124 LOCUST STREET
City,State,Zip: PLAINWELL, MI 49080
Township: Not reported
District: Kalamazoo
Data Source: Risks Not Determined
Location ID: 69719
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Heywood, David
Latitude: 42.4414788
Longitude: -85.62738648

BEA:
Name: LOCUST (124) STREET
Address: 124 LOCUST STREET
City,State,Zip: PLAINWELL, MI 49080
Secondary Address: Not reported
BEA Number: 597
District: Kalamazoo
Date Received: 12/05/2002
Submitter Name: Jeff Cosgrove
Petition Determination: No Request
Petition Disclosure: 0
Category: N
Determination 20107A: No Request
Reviewer: ducharmm
Division Assigned: ERD
Location ID: Not reported
Submittal Type: Not reported
Submittal Number: Not reported
Approval Status: Not reported
Workflow Status: Not reported
Date Submitted: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCUST (124) STREET (Continued)

S105768365

Date Completed:	Not reported
Township:	Not reported
Work Unit:	Not reported
Comments:	Not reported
Organization:	Not reported
Contact:	Not reported
Contact Type:	Not reported
Name:	124 LOCUST STREET
Address:	124 LOCUST STREET
City,State,Zip:	PLAINWELL, MI 49080
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	12/05/2002
Submitter Name:	Not reported
Petition Determination:	Not reported
Petition Disclosure:	Not reported
Category:	Not reported
Determination 20107A:	Not reported
Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	03000285
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B200200597PL
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2004-01-31 07:29:04
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Kalamazoo
Comments:	Not reported
Organization:	Jeff Cosgrove
Contact:	Jeff Cosgrove
Contact Type:	Submitter Contact

T102
West
> 1
2.447 mi.
12919 ft.

NEO-TECH (IST)
939 INDUSTRIAL PARKWAY
PLAINWELL, MI 49080

Site 4 of 7 in cluster T

SEMS **1000139834**
PART 201 **MID980903009**
INVENTORY
RCRA NonGen / NLR
BEA
WDS

Relative:
Lower

Actual:
739 ft.

SEMS:

Site ID:	0507084
EPA ID:	MID980903009
Name:	NEO-TECH (IST)
Address:	939 INDUSTRIAL PARKWAY
Address 2:	Not reported
City,State,Zip:	PLAINWELL, MI 49080
Cong District:	06
FIPS Code:	26005
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

SEMS Detail:

Region: 05
Site ID: 0507084
EPA ID: MID980903009
Site Name: NEO-TECH (IST)
NPL: N
FF: N
OU: 00
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 1993-12-08 05:00:00
Finish Date: 4/28/1994
Qual: P
Current Action Lead: EPA Perf

Region: 05
Site ID: 0507084
EPA ID: MID980903009
Site Name: NEO-TECH (IST)
NPL: N
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 1993-06-16 04:00:00
Finish Date: Not reported
Qual: V
Current Action Lead: EPA Perf

PART 201:

Facility ID: 3000202
Facility Status: Interim Response in progress
Source: Plating & Polishing
SAM Score: 20
SAM Score Date: 06/10/2004
Township: 01N
Range: 11W
Section: 29
Quarter: NE
Quarter/Quarter: NW
Pollutants: Ni

INVENTORY:

Name: NEO-TECH/IST WAREHOUSE
Address: 939 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
Township: Plainwell
District: Kalamazoo
Data Source: Risks Present but Not Immediate
Location ID: 8064
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

Project Manager: Spaulding, Evans Ray II
Latitude: 42.447273
Longitude: -85.627757

RCRA NonGen / NLR:

Date Form Received by Agency:	19840203
Handler Name:	INTERNATIONAL SHIELDING TECH INC
Handler Address:	939 INDUSTRIAL PKWY
Handler City,State,Zip:	PLAINWELL, MI 49080
EPA ID:	MID980903009
Contact Name:	JAMES PLEMMONS
Contact Address:	939 INDUSTRIAL PKWY
Contact City,State,Zip:	PLAINWELL, MI 49080
Contact Telephone:	616-685-9543
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	05
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 342
Mailing City,State,Zip:	PLAINWELL, MI 49080
Owner Name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner Type:	Private
Operator Name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	19700103
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	19700103
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19840203
Handler Name: INTERNATIONAL SHIELDING TECH INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 11131
NAICS Description: ORANGE GROVES

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19920317
Actual Return to Compliance Date: 19930329
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19920420
Enforcement Identifier: 004
Date of Enforcement Action: 19920317
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880526
Actual Return to Compliance Date:	19890109
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880707
Enforcement Identifier:	001
Date of Enforcement Action:	19880606
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910423
Actual Return to Compliance Date:	19930329
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19910527
Enforcement Identifier:	003
Date of Enforcement Action:	19910425
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19920317
Actual Return to Compliance Date:	19930329
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920420
Enforcement Identifier:	004
Date of Enforcement Action:	19920317
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19880526
Actual Return to Compliance Date:	19890109
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880707
Enforcement Identifier:	001
Date of Enforcement Action:	19880606
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910423
Actual Return to Compliance Date:	19930329
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19910527
Enforcement Identifier:	003
Date of Enforcement Action:	19910425
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19920304
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930329
Scheduled Compliance Date: 19920420
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880526
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19890109
Scheduled Compliance Date: 19880707
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910423
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930329
Scheduled Compliance Date:	19910527
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920304
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930329
Scheduled Compliance Date:	19920420
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880526
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890109
Scheduled Compliance Date:	19880707
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910423
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930329
Scheduled Compliance Date:	19910527
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

BEA:

Name:	IST/NEO-TECH WAREHOUSE
Address:	939 INDUSTRIAL PARKWAY
City,State,Zip:	PLAINWELL, MI
Secondary Address:	Not reported
BEA Number:	40
District:	Kalamazoo
Date Received:	09/27/1996
Submitter Name:	Mapco, Inc.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

Petition Determination: No Request
Petition Disclosure: 0
Category: N
Determination 20107A: No Request
Reviewer: weaverc1
Division Assigned: ERD
Location ID: Not reported
Submittal Type: Not reported
Submittal Number: Not reported
Approval Status: Not reported
Workflow Status: Not reported
Date Submitted: Not reported
Date Completed: Not reported
Township: Not reported
Work Unit: Not reported
Comments: Not reported
Organization: Not reported
Contact: Not reported
Contact Type: Not reported

Name: IST/NEO-TEC WAREHOUSE PROPERTY (FORMER)
Address: 939 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI
Secondary Address: Not reported
BEA Number: 70
District: Kalamazoo
Date Received: 06/05/1997
Submitter Name: Michael Martin
Petition Determination: No Request
Petition Disclosure: 0
Category: D
Determination 20107A: No Request
Reviewer: weaverc1
Division Assigned: ERD
Location ID: Not reported
Submittal Type: Not reported
Submittal Number: Not reported
Approval Status: Not reported
Workflow Status: Not reported
Date Submitted: Not reported
Date Completed: Not reported
Township: Not reported
Work Unit: Not reported
Comments: Not reported
Organization: Not reported
Contact: Not reported
Contact Type: Not reported

Name: IST\NEO-TECH WAREHOUSE
Address: 939 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 490801401
Secondary Address: Not reported
BEA Number: 1040
District: Kalamazoo
Date Received: 12/15/2006
Submitter Name: Mr. Brad Keeler
Petition Determination: No Request

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

Petition Disclosure: 0
Category: N
Determination 20107A: No Request
Reviewer: ducharmm
Division Assigned: ERD
Location ID: Not reported
Submittal Type: Not reported
Submittal Number: Not reported
Approval Status: Not reported
Workflow Status: Not reported
Date Submitted: Not reported
Date Completed: Not reported
Township: Not reported
Work Unit: Not reported
Comments: Not reported
Organization: Not reported
Contact: Not reported
Contact Type: Not reported

Name: NEO-TECH/IST WAREHOUSE
Address: 939 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 12/15/2006
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 03000202
Submittal Type: Baseline Environmental Assessment
Submittal Number: B200601040PL
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 2006-12-18 08:59:58
Date Completed: Not reported
Township: Plainwell
Work Unit: Kalamazoo
Comments: Not reported
Organization: Mr. Brad Keeler
Contact: Mr. Brad Keeler
Contact Type: Submitter Contact

Name: NEO-TECH/IST WAREHOUSE
Address: 939 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 09/27/1996
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

Category:	Not reported
Determination 20107A:	Not reported
Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	03000202
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B199600040PL
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2004-01-31 07:29:04
Date Completed:	Not reported
Township:	Plainwell
Work Unit:	Kalamazoo
Comments:	Category A1 Identified sites in area include A-1 Disposal, Drug & Laboratory, Kalamazoo River. REVIEW CONCLUSION: BEA is entirely of previously identified concerns, and concerns have already been dealt with appropriately. FURTHER ASSESSMENT, NOTIFICATION, AND/OR MITIGATION ACTION TO BE TAKEN: Metals present above drinking water criteria. Former plating company, EPA completed emergency removal actions in 1996. Notification provided to:
Organization:	Mapco, Inc.
Contact:	Ms. Carrie Flaska
Contact Type:	Submitter Contact
Name:	NEO-TECH/IST WAREHOUSE
Address:	939 INDUSTRIAL PARKWAY
City,State,Zip:	PLAINWELL, MI 49080
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	06/05/1997
Submitter Name:	Not reported
Petition Determination:	Not reported
Petition Disclosure:	Not reported
Category:	Not reported
Determination 20107A:	Not reported
Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	03000202
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B199700070PL
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2004-01-31 07:29:04
Date Completed:	Not reported
Township:	Plainwell
Work Unit:	Kalamazoo
Comments:	Category A1 See BEA B199600040 REVIEW CONCLUSION: BEA is entirely of previously identified concerns, and concerns have already been dealt with appropriately. FURTHER ASSESSMENT, NOTIFICATION, AND/OR MITIGATION ACTION TO BE TAKEN: EPA completed emergency removal in 1996. A-1 Disposal, Drug & Laboratory, Kalamazoo River located in vicinity. Notification provided to: Date: NA
Organization:	Michael Martin
Contact:	Michael Martin
Contact Type:	Submitter Contact

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH (IST) (Continued)

1000139834

WDS:

Name: INTERNATIONAL SHIELDING TECH INC
Address: 939 INDUSTRIAL PKWY
City,State,Zip: PLAINWELL, MI 49080
Site Id: MID980903009
WMD Id: 399329
Site Specific Name: INTERNATIONAL SHIELDING TECH INC
Mailing Address: PO BOX 342
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

T103
West
> 1
2.447 mi.
12919 ft.

NEO TEC PLATING, INC
939 INDUSTRIAL PARKWAY
PLAINWELL, MI 49080

Site 5 of 7 in cluster T

AIRS S121717912
N/A

Relative:
Lower

AIRS:

Actual:
739 ft.

Name: NEO TEC PLATING, INC
Address: 939 INDUSTRIAL PARKWAY
City,State,Zip: PLAINWELL, MI 49080
State Registration Number: N1482
Naics Code: Not reported
Contact Email: Not reported
Contact Name: Not reported
Contact Phone: Not reported
Contact Address: (same as site address)
Contact City,St,Zip: Not reported
Permit Number: 774-86
Date Received: 11/19/1986
Application Reason: Not reported
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
Facility Status Code: Not reported
Facility Status: InActive
Supplemental Location Text: Not reported
Business Name: Not reported
Principal Product: Not reported
Principal Product Description: Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported
UTM Horizontal Coord: Not reported
UTM Vertical Coord: Not reported
Mailing Name: Not reported
Mailing Contact Person: Not reported
Mailing Street: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported
Mailing Zip 4 Extension: Not reported
Compliance Person: Not reported
Compliance Area Code: Not reported
Compliance Phone Number: Not reported
Emission Inventory Contact Person: Not reported
EI Contact Area Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO TEC PLATING, INC (Continued)

S121717912

El Contact Phone Number: Not reported
Permit Contact Person: Not reported
Permit Contact Person Area Code: Not reported
Permit Contact Person Phone Number: Not reported
Federal Employer Id Number: Not reported
Of Employees: Not reported
Reporting Year: Not reported
Date Record Was Created: Not reported

T104
West
> 1
2.447 mi.
12919 ft.
Relative:
Lower
Actual:
739 ft.

NEO-TECH (IST)
939 INDUSTRIAL PKWY
PLAINWELL, MI 49080

Site 6 of 7 in cluster T

FINDS **1016107397**
ECHO **N/A**

FINDS:
Registry ID: 110003617587

Click Here:

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.
SUPERFUND (NON-NPL)

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

ECHO:
Envid: 1016107397
Registry ID: 110003617587
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003617587>
Name: NEO-TECH (IST)
Address: 939 INDUSTRIAL PKWY
City,State,Zip: PLAINWELL, MI 49080

T105
West
> 1
2.447 mi.
12919 ft.
Relative:
Lower
Actual:
739 ft.

NEO-TECH/IST WAREHOUSE
939 INDUSTRIAL PARKWAY
PLAINWELL, MI

Site 7 of 7 in cluster T

RGA PART 201 **S115660085**
N/A

RGA PART 201:

2012	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
2011	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
2010	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
2009	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
2008	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
2007	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
2006	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
2005	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
2004	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
2003	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEO-TECH/IST WAREHOUSE (Continued)

S115660085

2002	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
2001	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
2000	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
1999	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
1998	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY
1997	NEO-TECH/IST WAREHOUSE	939 INDUSTRIAL PARKWAY

106
West
> 1
2.469 mi.
13035 ft.

SCHULTZ SAND & GRAVEL
938 LINCOLN PARKWAY
PLAINWELL, MI 49080

US BROWNFIELDS
FINDS

1016359659
N/A

Relative:
Lower

US BROWNFIELDS:

Actual:
735 ft.

Name:	SCHULTZ SAND & GRAVEL
Address:	938 LINCOLN PARKWAY
City,State,Zip:	PLAINWELL, MI 49080
Recipient Name:	Allegan County
Grant Type:	Assessment
Property Number:	03-55-201-009-10
Parcel size:	1.41
Latitude:	42.4500369
Longitude:	-85.62717079999999
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Former Use: Based on a review of historical aerial photographs, the Subject Property has been undeveloped agricultural land or grass and tree-covered land since as early as 1938. The Subject Property was recently split from its parent parcel (i.e., the Subject Property and the southern adjoining parcel). Industrial and commercial operations were historically conducted on the southern adjoining parcel.
Datum:	North American Datum of 1983
Acres Property ID:	125684
IC Data Access:	-
Start Date:	-
Redev Completion Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	10150
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	00E00361
Start Date:	03/28/2011
Ownership Entity:	Private
Completion Date:	04/27/2011
Current Owner:	Rizzo Packaging, Inc.
Did Owner Change:	Y
Cleanup Required:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCHULTZ SAND & GRAVEL (Continued)

1016359659

Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controlled substance found:	-
Controlled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	1.41
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	-
Cadmium cleaned up:	-

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCHULTZ SAND & GRAVEL (Continued)

1016359659

Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Based on a review of historical aerial photographs, the Subject Property has been undeveloped agricultural land or grass and tree-covered land since as early as 1938. The Subject Property was recently split from its parent parcel (i.e., the Subject Property and the southern adjoining parcel). Industrial and commercial operations were historically conducted on the southern adjoining parcel.
Below Poverty Number:	7
Below Poverty Percent:	4.27
Meidan Income:	500
Meidan Income Number:	36
Meidan Income Percent:	21.95
Vacant Housing Number:	1
Vacant Housing Percent:	1.57
Unemployed Number:	6
Unemployed Percent:	3.66
Name:	SCHULTZ SAND & GRAVEL
Address:	938 LINCOLN PARKWAY
City,State,Zip:	PLAINWELL, MI 49080
Recipient Name:	Allegan County
Grant Type:	Assessment
Property Number:	03-55-201-009-10
Parcel size:	1.41
Latitude:	42.4500369
Longitude:	-85.62717079999999
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCHULTZ SAND & GRAVEL (Continued)

1016359659

Highlights:	Former Use: Based on a review of historical aerial photographs, the Subject Property has been undeveloped agricultural land or grass and tree-covered land since as early as 1938. The Subject Property was recently split from its parent parcel (i.e., the Subject Property and the southern adjoining parcel). Industrial and commercial operations were historically conducted on the southern adjoining parcel.
Datum:	North American Datum of 1983
Acres Property ID:	125684
IC Data Access:	-
Start Date:	-
Redev Completion Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2750
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	00E00361
Start Date:	02/16/2011
Ownership Entity:	Private
Completion Date:	04/13/2011
Current Owner:	Rizzo Packaging, Inc.
Did Owner Change:	Y
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controlled substance found:	-
Controlled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCHULTZ SAND & GRAVEL (Continued)

1016359659

Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	1.41
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCHULTZ SAND & GRAVEL (Continued)

1016359659

Media affected indoor air: -
Building material media cleaned up: -
Indoor air media cleaned up: -
Unknown media cleaned up: -
Past Use: Multistory Not reported
Property Description: Based on a review of historical aerial photographs, the Subject Property has been undeveloped agricultural land or grass and tree-covered land since as early as 1938. The Subject Property was recently split from its parent parcel (i.e., the Subject Property and the southern adjoining parcel). Industrial and commercial operations were historically conducted on the southern adjoining parcel.

Below Poverty Number: 7
Below Poverty Percent: 4.27
Meidan Income: 500
Meidan Income Number: 36
Meidan Income Percent: 21.95
Vacant Housing Number: 1
Vacant Housing Percent: 1.57
Unemployed Number: 6
Unemployed Percent: 3.66

FINDS:

Registry ID: 110044214196

Click Here:

Environmental Interest/Information System:

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

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

V107
West
> 1
2.481 mi.
13100 ft.

Relative:
Lower

Actual:
741 ft.

**PREFERRED PLASTICS PROD
800 EAST BRIDGE STREET
PLAINWELL, MI 49080**

Site 1 of 3 in cluster V

**NPDES S107793907
N/A**

MI NPDES:
Name: PREFERRED PLASTICS PROD
Address: 800 EAST BRIDGE STREET
City,State,Zip: PLAINWELL, MI 49080
Permit Number: MI0026808
Permittee PO Box: N
Permittee Email: gmathis@preferredplastics.com
Issue Date: 01/29/2019
Effective Date: 02/01/2019
Expiration Date: 10/01/2023
Permittee Name: Preferred Plastics, Incorporated
Permittee Address: 800 East Bridge Street
Permittee Addr2: Not reported
Permittee City,St,Zip: Plainwell, MI 49080
Permit Type: NPDES Individual Permit
Facility Name 2: Not reported
Facility Name 3: Not reported
Facility Name 4: Not reported
Designed Name: Preferred Plastics Prod

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PREFERRED PLASTICS PROD (Continued)

S107793907

Latitude: 42.4414
Lat Direction: N
Lat Type Code: LAT
Longitude: -85.629
Lon Direction: W
Lon Type Code: LON
Hydrologic Unit Code: 4050003
Permit Status: In Effect
COC Permit Category: Not reported
DEQ District Email: Kalamazoo
DEQ Permit Compliance Manager: Jeremy Rubio
DEQ Permit Compliance Manager Email: RubioJ@michigan.gov

V108
West
> 1
2.481 mi.
13100 ft.

PREFERRED PLASTICS PROD
800 E BRIDGE
PLAINWELL, MI 49080

RCRA-VSQG
FINDS
ECHO

1000225681
MID059697508

Site 2 of 3 in cluster V

Relative:
Lower

RCRA-VSQG:

Actual:
741 ft.

Date Form Received by Agency: 19960820
Handler Name: PREFERRED PLASTICS INC
Handler Address: 800 E BRIDGE ST
Handler City,State,Zip: PLAINWELL, MI 49080
EPA ID: MID059697508
Contact Name: NEIL MOHAN
Contact Address: 800 E BRIDGE ST
Contact City,State,Zip: PLAINWELL, MI 49080
Contact Telephone: 616-685-0212
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: Private
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 800 E BRIDGE ST
Mailing City,State,Zip: PLAINWELL, MI 49080
Owner Name: PREFERRED PLASTICS INC
Owner Type: Private
Operator Name: PREFERRED PLASTICS INC
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PREFERRED PLASTICS PROD (Continued)

1000225681

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PREFERRED PLASTICS INC
Legal Status:	Private
Date Became Current:	19961224
Date Ended Current:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PREFERRED PLASTICS PROD (Continued)

1000225681

Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PREFERRED PLASTICS INC
Legal Status:	Private
Date Became Current:	19961224
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PREFERRED PLASTICS INC
Legal Status:	Private
Date Became Current:	19961224
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PREFERRED PLASTICS INC
Legal Status:	Private
Date Became Current:	19961224
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960102
Handler Name:	PREFERRED PLASTICS INC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PREFERRED PLASTICS PROD (Continued)

1000225681

Receive Date:	19960820
Handler Name:	PREFERRED PLASTICS INC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	11131
NAICS Description:	ORANGE GROVES

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PREFERRED PLASTICS PROD (Continued)

1000225681

Evaluation Action Summary:

Evaluation Date:	19961205
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:

Registry ID: 110003599678

Click Here:

Environmental Interest/Information System:

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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

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

ECHO:

Envid:	1000225681
Registry ID:	110003599678
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110003599678
Name:	PREFERRED PLASTICS PROD
Address:	800 E BRIDGE
City,State,Zip:	PLAINWELL, MI 49080

V109
West
> 1
2.481 mi.
13100 ft.
Site 3 of 3 in cluster V

PREFERRED PLASTICS INC
800 E BRIDGE ST
PLAINWELL, MI 49080

WDS S111934942
N/A

Relative:
Lower
Actual:
741 ft.

WDS:	
Name:	PREFERRED PLASTICS INC
Address:	800 E BRIDGE ST
City,State,Zip:	PLAINWELL, MI 49080
Site Id:	MID059697508

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PREFERRED PLASTICS INC (Continued)

S111934942

WMD Id: 396517
Site Specific Name: PREFERRED PLASTICS INC
Mailing Address: 800 E BRIDGE ST
Mailing City/State/Zip: 49080
Mailing County: ALLEGAN

110
West
> 1
2.495 mi.
13172 ft.

PLAINWELL GARDEN CENTER
900 E BRIDGE ST
PLAINWELL, MI 49080

AST A100350928
N/A

Relative:
Lower

AST:

Actual:
742 ft.

Name: PLAINWELL GARDEN CENTER
Address: 900 E BRIDGE ST
City: PLAINWELL
Zip: 49080-1807
Facility ID: 92085366
Owner Name: S & F PROPANE LLC
Owner Address: 10359 EAST M-89
Owner City,St,Zip: RICHLAND, MI 49083
District: 3
Date of Collection: 01/08/2011
Accuracy: 10 METERS
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description Category: Not reported
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Horizontal Datum: NAD83
Latitude: 42.4424790
Longitude: -85.628986

Tank Id: ATK-137346-15
Tank Status: Removed from Premises
Capacity (in gallons): 1000
Installation Date: 06/24/2010
Substance Stored: LPG
Removed/Closed Date: 06/30/2012

Count: 10 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DOSTER	1003871663	KAVCO	DOSTER RD	49080	SEMS-ARCHIVE
PLAINWELL	S123824807		106TH AVE 11TH	49080	CDL
PLAINWELL	S123824816		10TH ST MILLER	49080	CDL
PLAINWELL	S125917131		10TH ST 106TH	49080	CDL
PLAINWELL	S123825219		4TH ST RIVERVIEW	49080	CDL
PLAINWELL	S125919193		E BRIDGE ST FLORENCE ST		CDL
PLAINWELL	S126311165	SECTION 25 GUN PLAIN TOWNSHIP	BRIDGE ST PRAIRIE	49080	CDL
PLAINWELL	S103085916		LAKE DOSTER DR	49080	PART 201, DEL PART 201
PLAINWELL	1003871631		LAKE DOSTER DR	49080	SEMS-ARCHIVE
PLAINWELL	S125919388		MAIN ST 2ND ST		CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: N/A
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/11/2022
	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: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: N/A
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/11/2022
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Lists of Federal Delisted NPL sites

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: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: 800-424-9346
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/25/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021	Source: EPA
Date Data Arrived at EDR: 09/15/2021	Telephone: 800-424-9346
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

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: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 312-886-6186
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

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: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 312-886-6186
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 312-886-6186
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 312-886-6186
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 11/15/2021	Source: Department of the Navy
Date Data Arrived at EDR: 11/16/2021	Telephone: 843-820-7326
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 02/07/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 11/19/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/19/2021	Telephone: 703-603-0695
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 11/18/2021
Number of Days to Update: 87	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 11/19/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/19/2021	Telephone: 703-603-0695
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 11/19/2021
Number of Days to Update: 87	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/13/2021

Date Data Arrived at EDR: 09/21/2021

Date Made Active in Reports: 12/15/2021

Number of Days to Update: 85

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 12/16/2021

Next Scheduled EDR Contact: 04/04/2022

Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

Date of Government Version: N/A

Date Data Arrived at EDR: 10/31/2013

Date Made Active in Reports: 11/20/2013

Number of Days to Update: 20

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-284-5103

Last EDR Contact: 01/18/2022

Next Scheduled EDR Contact: 05/02/2022

Data Release Frequency: No Update Planned

Lists of state and tribal landfills and solid waste disposal facilities

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.

Date of Government Version: 09/20/2021

Date Data Arrived at EDR: 09/21/2021

Date Made Active in Reports: 12/08/2021

Number of Days to Update: 78

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-335-4035

Last EDR Contact: 12/16/2021

Next Scheduled EDR Contact: 04/04/2022

Data Release Frequency: Semi-Annually

Lists of state and tribal leaking storage tanks

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: 11/08/2021

Date Data Arrived at EDR: 11/11/2021

Date Made Active in Reports: 01/28/2022

Number of Days to Update: 78

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-373-9837

Last EDR Contact: 02/07/2022

Next Scheduled EDR Contact: 05/23/2022

Data Release Frequency: Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/28/2021

Date Data Arrived at EDR: 06/11/2021

Date Made Active in Reports: 09/07/2021

Number of Days to Update: 88

Source: EPA Region 1

Telephone: 617-918-1313

Last EDR Contact: 01/18/2022

Next Scheduled EDR Contact: 05/02/2022

Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

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

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

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

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

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

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

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: 10/14/2021	Source: FEMA
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-646-5797
Date Made Active in Reports: 02/01/2022	Last EDR Contact: 02/07/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Varies

UST: Underground Storage Tank Facility List

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

Date of Government Version: 10/01/2021	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 11/02/2021	Telephone: 517-373-1820
Date Made Active in Reports: 01/25/2022	Last EDR Contact: 02/11/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: Annually

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 07/21/2021	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 07/26/2021	Telephone: 517-373-1820
Date Made Active in Reports: 10/20/2021	Last EDR Contact: 01/26/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/25/2022
	Data Release Frequency: Varies

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 11/10/2021	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 12/01/2021	Telephone: 517-373-1820
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 02/07/2022
Number of Days to Update: 75	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: No Update Planned

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2021	Source: EPA Region 6
Date Data Arrived at EDR: 11/15/2021	Telephone: 214-665-7591
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/06/2021	Source: EPA Region 5
Date Data Arrived at EDR: 06/11/2021	Telephone: 312-886-6136
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 02/09/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AUL: Engineering and Institutional Controls

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

Date of Government Version: 11/15/2021

Date Data Arrived at EDR: 11/18/2021

Date Made Active in Reports: 12/14/2021

Number of Days to Update: 26

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-373-4828

Last EDR Contact: 02/17/2022

Next Scheduled EDR Contact: 06/05/2022

Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008

Date Data Arrived at EDR: 04/22/2008

Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7

Telephone: 913-551-7365

Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015

Date Data Arrived at EDR: 09/29/2015

Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1

Telephone: 617-918-1102

Last EDR Contact: 12/14/2021

Next Scheduled EDR Contact: 04/04/2022

Data Release Frequency: Varies

Lists of state and tribal brownfield 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: 01/15/2016

Date Data Arrived at EDR: 02/02/2016

Date Made Active in Reports: 04/04/2016

Number of Days to Update: 62

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-373-4805

Last EDR Contact: 01/18/2022

Next Scheduled EDR Contact: 05/02/2022

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: 10/18/2021

Date Data Arrived at EDR: 10/20/2021

Date Made Active in Reports: 01/12/2022

Number of Days to Update: 84

Source: Economic Development Corporation

Telephone: 888-522-0103

Last EDR Contact: 01/18/2022

Next Scheduled EDR Contact: 05/02/2022

Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/15/2022
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 06/08/2021
Date Data Arrived at EDR: 06/09/2021
Date Made Active in Reports: 09/01/2021
Number of Days to Update: 84

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-5719
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
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
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
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
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

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

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

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

INVENTORY: Inventory of Facilities

The Inventory of Facilities has three data sources: Facilities under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) identified through state funded or private party response activities (Projects); Facilities under Part 213, Leaking Underground Storage Tanks of the NREPA; and Facilities identified through submittals of Baseline Environmental Assessments (BEA) submitted pursuant to Part 201 or Part 213 of the NREPA. The Part 201 Projects Inventory does not include all of the facilities that are subject to regulation under Part 201 because owners are not required to inform the Department of Environmental Quality (DEQ) about the facilities and can pursue cleanup independently. Facilities that are not known to DEQ are not on the Inventory, nor are locations with releases that resulted in low environmental impact. Part 213 facilities listed here may have more than one release; a list of releases for which corrective actions have been completed and list of releases for which corrective action has not been completed is located on the Leaking Underground Storage Tanks Site Search webpage. The DEQ may or may not have reviewed and concurred with the conclusion that the corrective actions described in a closure report meets criteria. A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 12/02/2021
Number of Days to Update: 44

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-284-5136
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

PART 201: Part 201 Site List

A Part 201 Listed site is a location that has been evaluated and scored by the DEQ using the Part 201 scoring model. The location is or includes a "facility" as defined by Part 201, where there has been a release of a hazardous substance(s) in excess of the Part 201 residential criteria, and/or where corrective actions have not been completed under Part 201 to meet the applicable cleanup criteria for unrestricted residential use. The Part 201 List does not include all of the sites of contamination that are subject to regulation under Part 201 because owners are not required to inform the DEQ about the sites and can pursue cleanup independently. Sites of environmental contamination that are not known to DEQ are not on the list, nor are sites with releases that resulted in low environmental impact.

Date of Government Version: 10/01/2013
Date Data Arrived at EDR: 10/03/2014
Date Made Active in Reports: 10/03/2014
Number of Days to Update: 0

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-284-5103
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/22/2021
Date Data Arrived at EDR: 11/23/2021
Date Made Active in Reports: 02/15/2022
Number of Days to Update: 84

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEL PART 201: Delisted List of Contaminated Sites

A deleted site has been removed from the Part 201 List because information known to the DEQ at the time of the evaluation does not support inclusion on the Part 201 List. This designation is often applied to sites where changes in cleanup criteria resulted in a determination that the site no longer exceeds any applicable cleanup criterion.

A delisted site has been removed from the Part 201 List because response actions have reduced the levels of contaminants to concentrations which meet or are below the criteria for unrestricted residential use.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 09/11/2013
Number of Days to Update: 41

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-9541
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

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

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Quarterly

PFAS: PFAS Contaminated Sites Listing

PFAS have been widely used in numerous industrial and residential applications since the 1950s. Their stability and unique chemical properties produce waterproof, stain resistant, and nonstick qualities in products. They are found in some firefighting foams and a wide range of consumer products such as carpet treatments, non-stick cookware, water-resistant fabrics, food packaging materials, and personal care products.

Date of Government Version: 11/12/2021
Date Data Arrived at EDR: 11/12/2021
Date Made Active in Reports: 01/31/2022
Number of Days to Update: 80

Source: Department of Environment, Great Lakes & Energy
Telephone: 517-284-9278
Last EDR Contact: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

Local Land Records

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: 10/07/2021
Date Data Arrived at EDR: 10/08/2021
Date Made Active in Reports: 01/06/2022
Number of Days to Update: 90

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-7603
Last EDR Contact: 01/12/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

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: 06/30/2021
Date Data Arrived at EDR: 07/26/2021
Date Made Active in Reports: 10/20/2021
Number of Days to Update: 86

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-8427
Last EDR Contact: 02/04/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

Other Ascertainable Records

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

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

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 84

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/15/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/14/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 01/07/2022
Number of Days to Update: 574	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 02/08/2022
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 202-566-1917
Date Made Active in Reports: 09/28/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/01/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 02/03/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/17/2020	Telephone: 202-260-5521
Date Made Active in Reports: 09/10/2020	Last EDR Contact: 12/17/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 03/28/2022
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 08/14/2020	Telephone: 202-566-0250
Date Made Active in Reports: 11/04/2020	Last EDR Contact: 02/18/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/30/2022
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 10/18/2021	Source: EPA
Date Data Arrived at EDR: 10/20/2021	Telephone: 202-564-4203
Date Made Active in Reports: 01/10/2022	Last EDR Contact: 01/19/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Annually

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: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: 703-416-0223
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 03/14/2022
	Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-564-8600
Date Made Active in Reports: 11/12/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-564-6023
Date Made Active in Reports: 12/15/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/16/2022
	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: 11/19/2020	Source: EPA
Date Data Arrived at EDR: 01/08/2021	Telephone: 202-566-0500
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 01/07/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/18/2022
	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: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/29/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/14/2022
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: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/04/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/27/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/08/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/13/2021
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 90

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 01/04/2022
Number of Days to Update: 546	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021	Source: Department of Energy
Date Data Arrived at EDR: 07/27/2021	Telephone: 202-586-3559
Date Made Active in Reports: 10/22/2021	Last EDR Contact: 01/31/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/17/2022
Number of Days to Update: 74	Next Scheduled EDR Contact: 05/30/2022
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/20/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2021	Telephone: 703-603-8787
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 05/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/11/2022
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/02/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Admini
Telephone: 202-693-9424
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 91

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 78

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Quarterly

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/10/2021
Number of Days to Update: 85

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-7074
Last EDR Contact: 12/09/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing Asbestos

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/12/2021
Date Made Active in Reports: 10/28/2021
Number of Days to Update: 16

Source: Department of Licensing & Regulatory Affairs
Telephone: 517-284-7699
Last EDR Contact: 02/01/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

BEA: Baseline Environmental Assessment Database

A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 85

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-9541
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: No Update Planned

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/01/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 79

Source: Department of Environment, Great Lakes, and Energy
Telephone: 586-753-3754
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 01/07/2021
Date Data Arrived at EDR: 01/13/2021
Date Made Active in Reports: 04/01/2021
Number of Days to Update: 78

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4586
Last EDR Contact: 01/12/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/23/2021
Number of Days to Update: 85

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-6610
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

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: 09/16/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4034
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINANCIAL ASSURANCE 3: Financial Assurance Information Listing

Financial assurance information for underground storage tank facilities.

Date of Government Version: 07/16/2021

Date Data Arrived at EDR: 07/29/2021

Date Made Active in Reports: 10/21/2021

Number of Days to Update: 84

Source: Department of Licensing & Regulatory Affairs

Telephone: 517-335-7279

Last EDR Contact: 12/20/2021

Next Scheduled EDR Contact: 04/11/2022

Data Release Frequency: Varies

LEAD CERT: Lead Safe Housing Registry

A listing of Michigan properties included in the Lead Safe Housing Registry.

Date of Government Version: 03/25/2020

Date Data Arrived at EDR: 03/25/2020

Date Made Active in Reports: 06/15/2020

Number of Days to Update: 82

Source: Department of Community Health

Telephone: 517-335-9699

Last EDR Contact: 11/24/2021

Next Scheduled EDR Contact: 03/14/2022

Data Release Frequency: Quarterly

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: 10/22/2020

Date Data Arrived at EDR: 12/23/2020

Date Made Active in Reports: 03/16/2021

Number of Days to Update: 83

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-241-1300

Last EDR Contact: 12/21/2021

Next Scheduled EDR Contact: 04/11/2022

Data Release Frequency: Varies

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: 10/18/2021

Date Data Arrived at EDR: 10/26/2021

Date Made Active in Reports: 01/18/2022

Number of Days to Update: 84

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-241-1515

Last EDR Contact: 01/18/2022

Next Scheduled EDR Contact: 05/02/2022

Data Release Frequency: Quarterly

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.

Date of Government Version: 11/23/2021

Date Data Arrived at EDR: 11/29/2021

Date Made Active in Reports: 02/14/2022

Number of Days to Update: 77

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-284-6562

Last EDR Contact: 02/14/2022

Next Scheduled EDR Contact: 05/30/2022

Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018

Date Data Arrived at EDR: 10/21/2019

Date Made Active in Reports: 10/24/2019

Number of Days to Update: 3

Source: USGS

Telephone: 703-648-6533

Last EDR Contact: 11/23/2021

Next Scheduled EDR Contact: 03/07/2022

Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Great Lakes, and Energy
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environment, Great Lakes, and Energy
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Great Lakes, and Energy
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/11/2021
Date Data Arrived at EDR: 11/12/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 81

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/14/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/06/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

314 4TH ST
314 4TH ST
PLAINWELL, MI 49080

TARGET PROPERTY COORDINATES

Latitude (North):	42.444025 - 42° 26' 38.49"
Longitude (West):	85.579976 - 85° 34' 47.91"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	616786.2
UTM Y (Meters):	4699840.5
Elevation:	865 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14457485 KALAMAZOO NE, MI
Version Date:	2019
West Map:	14450410 OTSEGO, MI
Version Date:	2019

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).

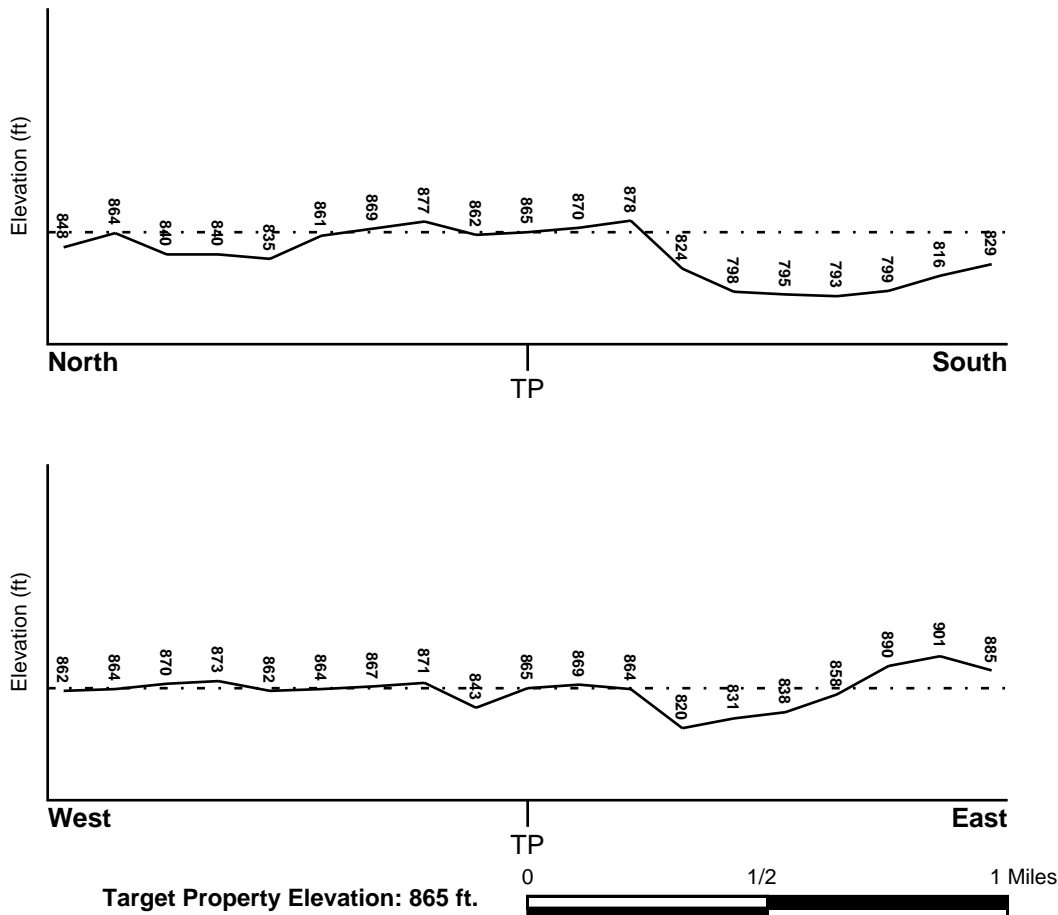
TOPOGRAPHIC INFORMATION

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 ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property

26077C0075D

Additional Panels in search area:

Not Reported

FEMA Source Type

FEMA FIRM Flood data

FEMA Source Type

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property

KALAMAZOO NE

NWI Electronic

Data Coverage

YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles

Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION 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

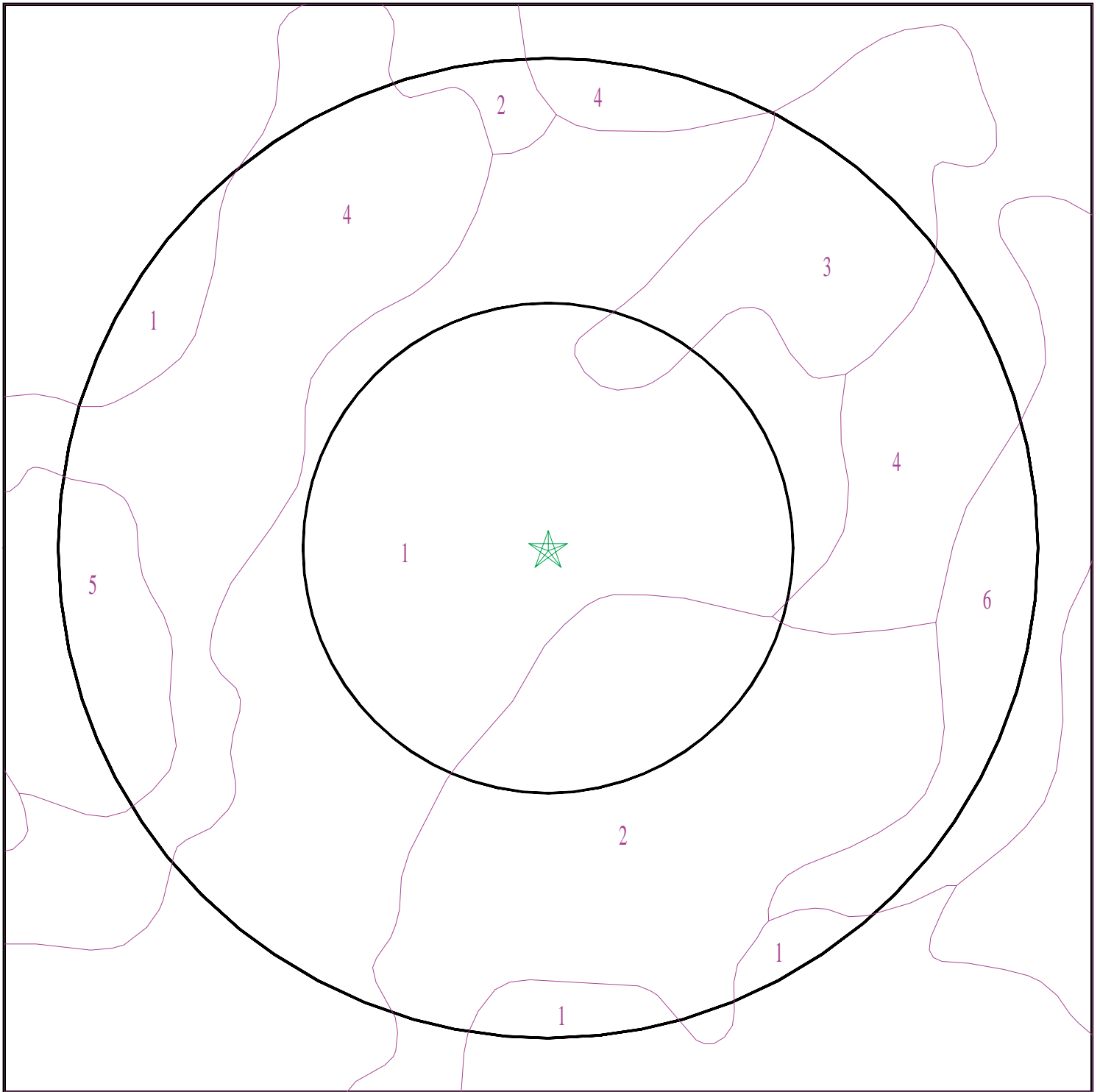
Era:	Paleozoic
System:	Mississippian
Series:	Osagean and Kinderhookian Series
Code:	M1 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6869871.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: 314 4th St
ADDRESS: 314 4th St
Plainwell MI 49080
LAT/LONG: 42.444025 / 85.579976

CLIENT: Fleis and VandenBrink Eng.
CONTACT: Spratt@fveng.com
INQUIRY #: 6869871.2s
DATE: February 22, 2022 7:59 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Oshtemo

Soil Surface Texture: loamy sand

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: 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	9 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1
2	9 inches	35 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1
3	35 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Oshtemo

Soil Surface Texture: loamy sand

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: 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	9 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1
2	9 inches	35 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1
3	35 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Ockley

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.8 Min: 7.4
2	11 inches	42 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.8 Min: 7.4
3	42 inches	59 inches	gravelly sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.8 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: Ockley

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.8 Min: 7.4
2	11 inches	42 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.8 Min: 7.4
3	42 inches	59 inches	gravelly sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.8 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: Chelsea

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

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	3 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.1
2	3 inches	59 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.1

Soil Map ID: 6

Soil Component Name: Ockley

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.8 Min: 7.4
2	11 inches	42 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.8 Min: 7.4
3	42 inches	59 inches	gravelly sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.8 Min: 7.4

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	2.500
Federal FRDS PWS	Nearest PWS within 2.500 miles
State Database	2.500

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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>
1	MI5000000401135	0 - 1/8 Mile NE
2	MI5000000396095	0 - 1/8 Mile South
A3	MI5000000395198	0 - 1/8 Mile SE
B4	MI5000000399499	0 - 1/8 Mile WSW
B5	MI5000000399530	0 - 1/8 Mile WSW
A6	MI5000000395862	1/8 - 1/4 Mile ESE
7	MI5000000400037	1/8 - 1/4 Mile ENE
8	MI5000000394262	1/8 - 1/4 Mile North
9	MI5000000393312	1/4 - 1/2 Mile WNW
10	MI5000000399721	1/4 - 1/2 Mile ENE
11	MI5000000400281	1/4 - 1/2 Mile WNW
12	MI5000000391140	1/4 - 1/2 Mile SW
13	MI5000000399349	1/4 - 1/2 Mile WNW
C14	MI5000000385775	1/4 - 1/2 Mile SSW
D15	MI5000000386969	1/4 - 1/2 Mile WSW
D16	MI5000000386440	1/4 - 1/2 Mile WSW
17	MI5000000395758	1/2 - 1 Mile West
C18	MI5000000387119	1/2 - 1 Mile SSW
C19	MI5000000386982	1/2 - 1 Mile SSW
20	MI5000000389207	1/2 - 1 Mile SSE
21	MI5000000389908	1/2 - 1 Mile SSE
E22	MI5000000388231	1/2 - 1 Mile West
E23	MI5000000388230	1/2 - 1 Mile West
F24	MI5000000396725	1/2 - 1 Mile WSW
25	MI5000000396771	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G26	MI5000000398799	1/2 - 1 Mile SSW
H27	MI5000000395336	1/2 - 1 Mile West
F28	MI5000000388459	1/2 - 1 Mile WSW
G29	MI5000000397205	1/2 - 1 Mile SSW
H30	MI5000000397912	1/2 - 1 Mile West
31	MI5000000396441	1/2 - 1 Mile NE
I32	MI5000000388576	1/2 - 1 Mile WSW
J33	MI5000000385704	1/2 - 1 Mile East
J34	MI5000000385702	1/2 - 1 Mile East
J35	MI5000000385703	1/2 - 1 Mile East
G36	MI5000000386302	1/2 - 1 Mile SSW
K37	MI5000000400688	1/2 - 1 Mile SSW
I38	MI5000000387754	1/2 - 1 Mile WSW
39	MI5000000388252	1/2 - 1 Mile West
40	MI5000000399573	1/2 - 1 Mile SE
L41	MI5000000386026	1/2 - 1 Mile WSW
K42	MI5000000387581	1/2 - 1 Mile SSW
L43	MI5000000390195	1/2 - 1 Mile WSW
44	MI5000000392343	1/2 - 1 Mile SE
M45	MI5000000388333	1/2 - 1 Mile West
M46	MI5000000390512	1/2 - 1 Mile West
47	MI5000000393643	1/2 - 1 Mile NNW
M48	MI5000000389716	1/2 - 1 Mile West
49	MI5000000387528	1/2 - 1 Mile North
N50	MI5000000389258	1/2 - 1 Mile West
O51	MI5000000388208	1/2 - 1 Mile SE
52	MI5000000387941	1/2 - 1 Mile North
N53	MI5000000400863	1 - 2 Miles West
N54	MI5000000391673	1 - 2 Miles West
55	MI5000000390100	1 - 2 Miles WSW
P56	MI5000000399206	1 - 2 Miles NNW
P57	MI5000000399207	1 - 2 Miles NNW
O58	MI5000000392611	1 - 2 Miles SE
59	MI5000000387529	1 - 2 Miles WSW
60	MI5000000393704	1 - 2 Miles SSW
61	MI5000000386251	1 - 2 Miles WSW
62	MI5000000391225	1 - 2 Miles NNE
Q63	MI5000000399459	1 - 2 Miles NNW
Q64	MI5000000399485	1 - 2 Miles NNW
65	MI5000000391752	1 - 2 Miles NNW
R66	MI5000000388456	1 - 2 Miles WSW
R67	MI5000000386035	1 - 2 Miles WSW
68	MI5000000390180	1 - 2 Miles NNW
69	MI5000000400756	1 - 2 Miles West
S70	MI5000000389113	1 - 2 Miles West
T71	MI5000000397503	1 - 2 Miles SSW
72	MI5000000390462	1 - 2 Miles NNW
U73	MI5000000398022	1 - 2 Miles West
R74	MI5000000386580	1 - 2 Miles WSW
75	MI5000000400046	1 - 2 Miles SE
76	MI5000000390420	1 - 2 Miles South
S77	MI5000000394949	1 - 2 Miles West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
V78	MI5000000394123	1 - 2 Miles WNW
U79	MI5000000390352	1 - 2 Miles WNW
W80	MI5000000395674	1 - 2 Miles SSW
81	MI5000000393263	1 - 2 Miles West
T82	MI5000000392226	1 - 2 Miles SSW
W83	MI5000000395295	1 - 2 Miles SSW
84	MI5000000398426	1 - 2 Miles SSE
W85	MI5000000394639	1 - 2 Miles SSW
V86	MI5000000395475	1 - 2 Miles WNW
X87	MI5000000386342	1 - 2 Miles SSW
W88	MI5000000395735	1 - 2 Miles SW
89	MI5000000392869	1 - 2 Miles SSW
V90	MI5000000392916	1 - 2 Miles WNW
91	MI5000000394411	1 - 2 Miles ESE
Y92	MI5000000389277	1 - 2 Miles South
93	MI5000000396724	1 - 2 Miles South
X94	MI5000000392191	1 - 2 Miles SSW
Z95	MI5000000386703	1 - 2 Miles WNW
AA96	MI5000000394448	1 - 2 Miles SE
AA97	MI5000000394678	1 - 2 Miles SE
Y98	MI5000000389309	1 - 2 Miles South
AB99	MI5000000390925	1 - 2 Miles NW
X100	MI5000000386343	1 - 2 Miles SSW
AC101	MI5000000399925	1 - 2 Miles North
102	MI5000000398387	1 - 2 Miles NW
Z103	MI5000000386468	1 - 2 Miles WNW
Y104	MI5000000395565	1 - 2 Miles SSE
AA105	MI5000000390207	1 - 2 Miles SE
AC106	MI5000000395761	1 - 2 Miles North
107	MI5000000392824	1 - 2 Miles WNW
108	MI5000000400466	1 - 2 Miles SSW
AD109	MI5000000386702	1 - 2 Miles SSE
110	MI5000000386670	1 - 2 Miles SSW
AD111	MI5000000395276	1 - 2 Miles SSE
112	MI5000000395081	1 - 2 Miles South
AB113	MI5000000393064	1 - 2 Miles NW
AE114	MI5000000389471	1 - 2 Miles NW
AD115	MI5000000397623	1 - 2 Miles SSE
AF116	MI5000000386639	1 - 2 Miles North
AE117	MI5000000386463	1 - 2 Miles WNW
AF118	MI5000000386459	1 - 2 Miles North
119	MI5000000397174	1 - 2 Miles SE
AG120	MI5000000387531	1 - 2 Miles WNW
121	MI5000000396244	1 - 2 Miles NW
AH122	MI5000000393697	1 - 2 Miles West
AI123	MI5000000395301	1 - 2 Miles North
124	MI5000000387505	1 - 2 Miles WNW
AG125	MI5000000397695	1 - 2 Miles WNW
AH126	MI5000000394554	1 - 2 Miles West
127	MI5000000386464	1 - 2 Miles NW
AJ128	MI5000000387420	1 - 2 Miles SSE
AK129	MI5000000386027	1 - 2 Miles ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AK130	MI5000000396787	1 - 2 Miles SE
AJ131	MI5000000391471	1 - 2 Miles SSE
132	MI5000000397990	1 - 2 Miles East
AI133	MI5000000396288	1 - 2 Miles North
AL134	MI5000000395839	1 - 2 Miles North
135	MI5000000399563	1 - 2 Miles West
136	MI5000000392648	1 - 2 Miles SSE
137	MI5000000396571	1 - 2 Miles South
AM138	MI5000000395130	1 - 2 Miles NW
AL139	MI5000000393002	1 - 2 Miles North
140	MI5000000386540	1 - 2 Miles North
141	MI5000000396103	1 - 2 Miles SE
142	MI5000000394591	1 - 2 Miles North
143	MI5000000395785	1 - 2 Miles SSW
144	MI5000000394254	1 - 2 Miles NE
AM145	MI5000000397637	1 - 2 Miles NW
AN146	MI5000000399431	1 - 2 Miles West
147	MI5000000387859	1 - 2 Miles NNE
148	MI5000000392344	1 - 2 Miles SSE
149	MI5000000401376	1 - 2 Miles WSW
AN150	MI5000000387138	1 - 2 Miles West
151	MI5000000398442	1 - 2 Miles SSW
152	MI5000000393607	1 - 2 Miles NW
AQ153	MI5000000398094	1 - 2 Miles NNE
154	MI5000000389718	1 - 2 Miles SSE
AP155	MI5000000398209	1 - 2 Miles SE
156	MI5000000401353	1 - 2 Miles NW
157	MI5000000390599	1 - 2 Miles NNE
AO158	MI5000000391796	1 - 2 Miles NNE
AQ159	MI5000000395757	1 - 2 Miles NNE
AP160	MI5000000387471	1 - 2 Miles SSE
161	MI5000000486841	1 - 2 Miles SSW
AQ162	MI5000000394134	1 - 2 Miles ESE
AQ163	MI5000000394136	1 - 2 Miles ESE
164	MI5000000488347	1 - 2 Miles SSE
AR165	MI5000000392478	1 - 2 Miles North
AS166	MI5000000388855	1 - 2 Miles NNE
AT167	MI5000000493889	1 - 2 Miles SSE
AT168	MI5000000483548	1 - 2 Miles SSE
169	MI5000000393558	1 - 2 Miles NNW
AR170	MI5000000395337	1 - 2 Miles North
AU171	MI5000000392192	1 - 2 Miles SSE
AV172	MI5000000395587	1 - 2 Miles NW
AW173	MI5000000390575	1 - 2 Miles WNW
AT174	MI5000000474778	1 - 2 Miles SSE
AS175	MI5000000387199	1 - 2 Miles NNE
176	MI5000000390514	1 - 2 Miles WSW
177	MI5000000474780	1 - 2 Miles SSE
AV178	MI5000000387275	1 - 2 Miles NW
179	MI5000000400123	1 - 2 Miles NNW
AW180	MI5000000387507	1 - 2 Miles WNW
AU181	MI5000000474766	1 - 2 Miles SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
182	MI5000000399970	1 - 2 Miles NE
AU183	MI5000000474767	1 - 2 Miles SSE
AX184	MI5000000491479	1 - 2 Miles SSE
AY185	MI5000000474787	1 - 2 Miles SSW
AZ186	MI5000000474786	1 - 2 Miles SSW
AZ187	MI5000000486752	1 - 2 Miles SSW
BA188	MI5000000484765	1 - 2 Miles SSE
BA189	MI5000000490580	1 - 2 Miles SSE
190	MI5000000399348	1 - 2 Miles ESE
191	MI5000000389969	1 - 2 Miles East
BB192	MI5000000386241	1 - 2 Miles NE
BB193	MI5000000393835	1 - 2 Miles NE
BC194	MI5000000391181	1 - 2 Miles SSE
BC195	MI5000000386135	1 - 2 Miles SSE
BD196	MI5000000388612	1 - 2 Miles WNW
197	MI5000000394743	1 - 2 Miles NW
AX198	MI5000000497673	1 - 2 Miles SSE
AY199	MI5000000485299	1 - 2 Miles SSW
BD200	MI5000000387120	1 - 2 Miles WNW
AZ201	MI5000000474785	1 - 2 Miles SSW
BC202	MI5000000398407	1 - 2 Miles SSE
AX203	MI5000000497941	1 - 2 Miles SSE
BC204	MI5000000493891	1 - 2 Miles SSE
BE205	MI5000000389109	1 - 2 Miles NW
BC206	MI5000000396506	1 - 2 Miles SE
BF207	MI5000000389364	1 - 2 Miles North
BG208	MI5000000389725	1 - 2 Miles NNW
209	MI5000000388918	1 - 2 Miles West
210	MI5000000385830	1 - 2 Miles NNW
BE211	MI5000000390182	1 - 2 Miles NW
212	MI5000000474796	1 - 2 Miles SSW
213	MI5000000485274	1 - 2 Miles SSW
214	MI5000000397016	1 - 2 Miles NE
BE215	MI5000000389327	1 - 2 Miles NW
BF216	MI5000000388538	1 - 2 Miles North
BG217	MI5000000400114	1 - 2 Miles NNW
218	MI5000000395580	1 - 2 Miles West
BH219	MI5000000396695	1 - 2 Miles SE
BI220	MI5000000390191	1 - 2 Miles NW
BJ221	MI5000000485103	1 - 2 Miles SSE
222	MI5000000399318	1 - 2 Miles WNW
BK223	MI5000000389583	1 - 2 Miles SE
224	MI5000000474765	1 - 2 Miles SSE
BH225	MI5000000493890	1 - 2 Miles SE
226	MI5000000400599	1 - 2 Miles SE
227	MI5000000392070	1 - 2 Miles NNE
BK228	MI5000000394143	1 - 2 Miles SE
BH229	MI5000000484215	1 - 2 Miles SE
BJ230	MI5000000493886	1 - 2 Miles SSE
231	MI5000000392100	1 - 2 Miles NNW
232	MI5000000399130	1 - 2 Miles NW
BL233	MI5000000390716	1 - 2 Miles North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
BM234	MI5000000402734	1 - 2 Miles ENE
BM235	MI5000000402730	1 - 2 Miles ENE
BI236	MI5000000401147	1 - 2 Miles NW
237	MI5000000483754	1 - 2 Miles SSE
238	MI5000000491550	2 - 3 Miles SSE
BN239	MI5000000482828	2 - 3 Miles SE
BN240	MI5000000474781	2 - 3 Miles SE
BL241	MI5000000391183	2 - 3 Miles North
BO242	MI5000000393560	2 - 3 Miles WNW
243	MI5000000396362	2 - 3 Miles SE
244	MI5000000401206	2 - 3 Miles NNW
BP245	MI5000000412090	2 - 3 Miles ESE
246	MI5000000408164	2 - 3 Miles ESE
BP247	MI5000000409822	2 - 3 Miles ESE
BP248	MI5000000409613	2 - 3 Miles ESE
249	MI5000000393396	2 - 3 Miles NNE
BO250	MI5000000390414	2 - 3 Miles WNW
BQ251	MI5000000387298	2 - 3 Miles WSW
BP252	MI5000000407419	2 - 3 Miles ESE
253	MI5000000414590	2 - 3 Miles ENE
BR254	MI5000000474770	2 - 3 Miles SSE
255	MI5000000409808	2 - 3 Miles East
BS256	MI5000000392477	2 - 3 Miles North
257	MI5000000402729	2 - 3 Miles ENE
BQ258	MI5000000388920	2 - 3 Miles WSW
259	MI5000000399098	2 - 3 Miles West
BT260	MI5000000415017	2 - 3 Miles ESE
BS261	MI5000000389751	2 - 3 Miles North
BU262	MI5000000397757	2 - 3 Miles WNW
BV263	MI5000000390906	2 - 3 Miles West
BW264	MI5000000414352	2 - 3 Miles ESE
BX265	MI5000000392743	2 - 3 Miles NW
BR266	MI5000000474771	2 - 3 Miles SSE
BT267	MI5000000402807	2 - 3 Miles ESE
BW268	MI5000000402803	2 - 3 Miles ESE
269	MI5000000482785	2 - 3 Miles SSW
BY270	MI5000000391893	2 - 3 Miles West
BX271	MI5000000395699	2 - 3 Miles NW
BS272	MI5000000395783	2 - 3 Miles North
BZ273	MI5000000493884	2 - 3 Miles SSE
BU274	MI5000000401080	2 - 3 Miles WNW
275	MI5000000392239	2 - 3 Miles NE
BZ276	MI5000000491054	2 - 3 Miles SSE
BZ277	MI5000000491375	2 - 3 Miles SSE
BY278	MI5000000391981	2 - 3 Miles West
CA279	MI5000000390102	2 - 3 Miles West
280	MI5000000413593	2 - 3 Miles ESE
281	MI5000000400210	2 - 3 Miles WNW
BY282	MI5000000389794	2 - 3 Miles West
283	MI5000000487078	2 - 3 Miles South
CB284	MI5000000396709	2 - 3 Miles WSW
BY285	MI5000000389793	2 - 3 Miles West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
CC286	MI5000000392238	2 - 3 Miles WNW
287	MI5000000413156	2 - 3 Miles ENE
CD288	MI5000000474772	2 - 3 Miles SSE
CC289	MI5000000390749	2 - 3 Miles WNW
CC290	MI5000000390598	2 - 3 Miles WNW
BV291	MI5000000396373	2 - 3 Miles West
CA292	MI5000000392593	2 - 3 Miles West
CE293	MI5000000402806	2 - 3 Miles ESE
CA294	MI5000000396606	2 - 3 Miles West
CE295	MI5000000402813	2 - 3 Miles ESE
CB296	MI5000000393157	2 - 3 Miles WSW
297	MI5000000399465	2 - 3 Miles NNE
CD298	MI5000000474783	2 - 3 Miles SSE
299	MI5000000386243	2 - 3 Miles West
300	MI5000000391233	2 - 3 Miles WSW
CE301	MI5000000412512	2 - 3 Miles ESE
CE302	MI5000000412589	2 - 3 Miles ESE
CE303	MI5000000412658	2 - 3 Miles ESE
304	MI5000000391178	2 - 3 Miles WNW
CC305	MI5000000386700	2 - 3 Miles WNW
306	MI5000000390719	2 - 3 Miles North
CF307	MI5000000400596	2 - 3 Miles West
CG308	MI5000000394006	2 - 3 Miles WNW
CF309	MI5000000396139	2 - 3 Miles West
310	MI5000000402798	2 - 3 Miles East
CG311	MI5000000395109	2 - 3 Miles WNW
312	MI5000000388269	2 - 3 Miles NW
CH313	MI5000000395999	2 - 3 Miles WNW
314	MI5000000493874	2 - 3 Miles SE
CI315	MI5000000474779	2 - 3 Miles SSE
CH316	MI5000000396006	2 - 3 Miles WNW
317	MI5000000483320	2 - 3 Miles SSE
318	MI5000000390982	2 - 3 Miles NNE
319	MI5000000395991	2 - 3 Miles West
CF320	MI5000000391397	2 - 3 Miles West
CI321	MI5000000484451	2 - 3 Miles SSE
CJ322	MI5000000395976	2 - 3 Miles WNW
323	MI5000000412222	2 - 3 Miles ENE
CK324	MI5000000474759	2 - 3 Miles SE
325	MI5000000400028	2 - 3 Miles North
326	MI5000000386245	2 - 3 Miles NE
327	MI5000000402805	2 - 3 Miles ESE
CJ328	MI5000000393564	2 - 3 Miles WNW
CL329	MI5000000490573	2 - 3 Miles South
330	MI5000000484959	2 - 3 Miles SSW
331	MI5000000489576	2 - 3 Miles SSW
332	MI5000000410036	2 - 3 Miles ESE
CK333	MI5000000493878	2 - 3 Miles SE
CI334	MI5000000484404	2 - 3 Miles SSE
CL335	MI5000000474789	2 - 3 Miles South
CL336	MI5000000474784	2 - 3 Miles South
337	MI5000000494113	2 - 3 Miles SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

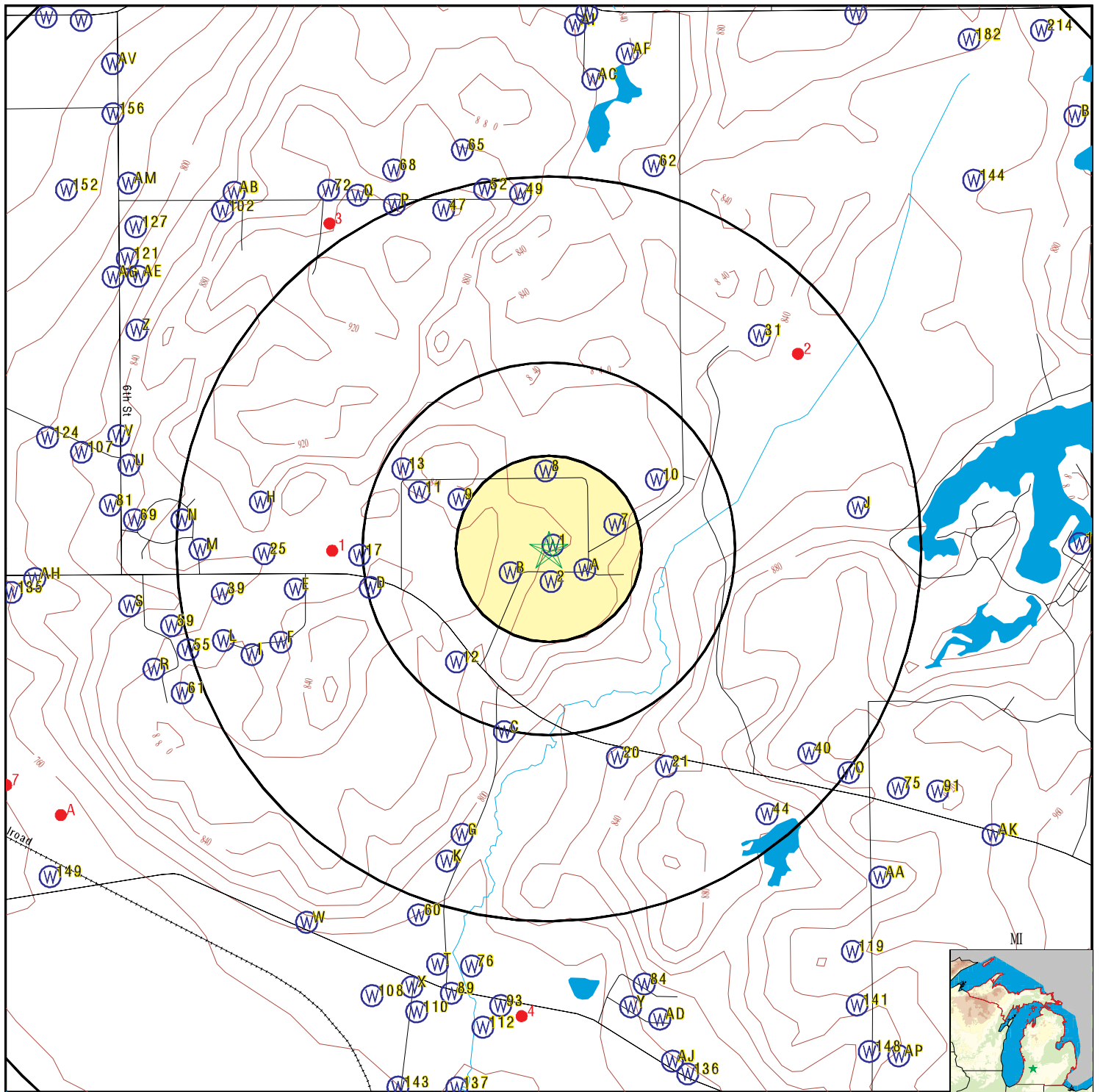
MAP ID	WELL ID	LOCATION FROM TP
CL338	MI5000000494082	2 - 3 Miles South
CM339	MI5000000483588	2 - 3 Miles SSE
CM340	MI5000000484750	2 - 3 Miles SSE
341	MI5000000393154	2 - 3 Miles West
342	MI5000000388194	2 - 3 Miles WNW
343	MI5000000393511	2 - 3 Miles West
CM344	MI5000000483495	2 - 3 Miles SSE
CL345	MI5000000493997	2 - 3 Miles South
CM346	MI5000000485019	2 - 3 Miles SSE
347	MI5000000483173	2 - 3 Miles SE
CL348	MI5000000492481	2 - 3 Miles South
349	MI5000000386678	2 - 3 Miles West
350	MI5000000406524	2 - 3 Miles ESE
351	MI5000000494080	2 - 3 Miles South
352	MI5000000411668	2 - 3 Miles NE
353	MI5000000402804	2 - 3 Miles ESE
354	MI5000000474760	2 - 3 Miles SE
355	MI5000000484081	2 - 3 Miles SSE
356	MI5000000493454	2 - 3 Miles SE
357	MI5000000474791	2 - 3 Miles SSW
CN358	MI5000000483998	2 - 3 Miles SSE
CO359	MI5000000402812	2 - 3 Miles ESE
360	MI5000000474808	2 - 3 Miles SW
361	MI5000000488255	2 - 3 Miles SSW
362	MI5000000493076	2 - 3 Miles SW
363	MI5000000494112	2 - 3 Miles SSW
CO364	MI5000000407064	2 - 3 Miles ESE
CP365	MI5000000483397	2 - 3 Miles SE
366	MI5000000397388	2 - 3 Miles North
367	MI5000000488709	2 - 3 Miles SSW
CN368	MI5000000483789	2 - 3 Miles SSE
369	MI5000000493358	2 - 3 Miles SW
CP370	MI5000000474764	2 - 3 Miles SSE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	MIOG12000001237	1/2 - 1 Mile West
2	MIOG12000001828	1/2 - 1 Mile NE
3	MIOG12000002826	1 - 2 Miles NW
4	MIOG12000002771	1 - 2 Miles South
A5	MIOG12000001020	1 - 2 Miles WSW
A6	MIOG12000001892	1 - 2 Miles WSW
7	MIOG12000002521	1 - 2 Miles WSW
8	MIOG12000003477	1 - 2 Miles NNE
9	MIOG12000001801	1 - 2 Miles NNW
10	MIOG12000002557	1 - 2 Miles WSW
11	MIOG12000001953	1 - 2 Miles West
12	MIOG12000001018	2 - 3 Miles WNW

PHYSICAL SETTING SOURCE MAP - 6869871.2s



- 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

0 1/4 1/2 1 Miles

SITE NAME: 314 4th St
 ADDRESS: 314 4th St
 Plainwell MI 49080
 LAT/LONG: 42.444025 / 85.579976

CLIENT: Fleis and VandenBrink Eng.
 CONTACT: Spratt@fveng.com
 INQUIRY #: 6869871.2s
 DATE: February 22, 2022 7:59 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
NE
0 - 1/8 Mile
Lower

MI WELLS MI5000000401135

Well ID:	03000017628	Permit #:	w20-798
Owner:	Dan Hale	Well Depth (ft):	149
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20210201
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	143
Screen Start Depth (ft):	143	Screen End Depth (ft):	149
Static Water Level (ft):	59	Flowing:	N
Test Drawdown Depth:	140	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	16
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

2
South
0 - 1/8 Mile
Higher

MI WELLS MI5000000396095

Well ID:	03000012086	Permit #:	Not Reported
Owner:	Daniel Harington	Well Depth (ft):	80
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20120613
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	74
Screen Start Depth (ft):	74	Screen End Depth (ft):	80
Static Water Level (ft):	55	Flowing:	N
Test Drawdown Depth:	70	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

A3
SE
0 - 1/8 Mile
Higher

MI WELLS MI5000000395198

Well ID:	03000011027	Permit #:	Not Reported
Owner:	JOHN RIZZO	Well Depth (ft):	108
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20090828

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	102
Screen Start Depth (ft):	102	Screen End Depth (ft):	108
Static Water Level (ft):	55	Flowing:	N
Test Drawdown Depth:	100	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

B4
WSW
0 - 1/8 Mile
Lower

MI WELLS MI5000000399499

Well ID:	03000015801	Permit #:	W18-397
Owner:	Tom Hinga	Well Depth (ft):	187
Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1890	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20180622
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	172
Screen Start Depth (ft):	172	Screen End Depth (ft):	187
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth:	52	Test Hours:	2
Test Water Flow Rate:	110	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

B5
WSW
0 - 1/8 Mile
Lower

MI WELLS MI5000000399530

Well ID:	03000015833	Permit #:	W18-397
Owner:	Tom Hinga	Well Depth (ft):	187
Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2573	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20180622
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	0	Casing Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	Not Reported
Well Grouted:	N	Pump Capacity (gpm):	15
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A6
ESE
1/8 - 1/4 Mile
Higher

MI WELLS MI5000000395862

Well ID:	03000011821	Permit #:	Not Reported
Owner:	JOhn Rizzo	Well Depth (ft):	88
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20111014
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	80
Screen Start Depth (ft):	80	Screen End Depth (ft):	88
Static Water Level (ft):	53	Flowing:	N
Test Drawdown Depth:	70	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

7
ENE
1/8 - 1/4 Mile
Higher

MI WELLS MI5000000400037

Well ID:	03000016398	Permit #:	w19-344
Owner:	Jason Wagner	Well Depth (ft):	95
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20190628
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	89
Screen Start Depth (ft):	89	Screen End Depth (ft):	95
Static Water Level (ft):	45	Flowing:	N
Test Drawdown Depth:	77	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

8
North
1/8 - 1/4 Mile
Higher

MI WELLS MI5000000394262

Well ID:	03000010000	Permit #:	Not Reported
Owner:	DAVE & JUDY PEARSON	Well Depth (ft):	86
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20070912

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	80
Screen Start Depth (ft):	80	Screen End Depth (ft):	86
Static Water Level (ft):	58	Flowing:	N
Test Drawdown Depth:	67	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

9

WNW

1/4 - 1/2 Mile

Lower

MI WELLS

MI5000000393312

Well ID:	03000008868	Permit #:	Not Reported
Owner:	DAVE ROBERTS BLD	Well Depth (ft):	95
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20060727
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	91
Screen Start Depth (ft):	91	Screen End Depth (ft):	95
Static Water Level (ft):	60	Flowing:	N
Test Drawdown Depth:	65	Test Hours:	.5
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	0	Specific Capacity:	0.76923077
Rock Top (ft):	0		

10

ENE

1/4 - 1/2 Mile

Higher

MI WELLS

MI5000000399721

Well ID:	03000016050	Permit #:	ws18-519
Owner:	Craig kirkendall	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20181026
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	93
Screen Start Depth (ft):	93	Screen End Depth (ft):	100
Static Water Level (ft):	56	Flowing:	N
Test Drawdown Depth:	90	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

11

WNW

1/4 - 1/2 Mile
Higher

MI WELLS MI5000000400281

Well ID:	03000016684	Permit #:	Not Reported
Owner:	Scott Salters	Well Depth (ft):	95
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2308	Drill Method:	Auger/Bored
Other Method Info:	Not Reported	Construction Date:	20160829
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	91
Screen Start Depth (ft):	91	Screen End Depth (ft):	95
Static Water Level (ft):	61	Flowing:	N
Test Drawdown Depth:	61	Test Hours:	.5
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0.49180328
Rock Top (ft):	0		

12

SW

1/4 - 1/2 Mile
Lower

MI WELLS MI5000000391140

Well ID:	03000006459	Permit #:	Not Reported
Owner:	RICK MILLER	Well Depth (ft):	145
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20040820
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	140
Screen Start Depth (ft):	140	Screen End Depth (ft):	145
Static Water Level (ft):	62	Flowing:	N
Test Drawdown Depth:	125	Test Hours:	1
Test Water Flow Rate:	100	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

13

WNW

1/4 - 1/2 Mile
Higher

MI WELLS MI5000000399349

Well ID:	03000015628	Permit #:	w17-1400
Owner:	Matt Hunt	Well Depth (ft):	82
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20180223

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	78
Screen Start Depth (ft):	78	Screen End Depth (ft):	82
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	1.33333333
Rock Top (ft):	0		

C14
SSW
1/4 - 1/2 Mile
Lower

MI WELLS MI5000000385775

Well ID:	03000000403	Permit #:	Not Reported
Owner:	Tom Garbala	Well Depth (ft):	123
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20000107
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	118
Screen Start Depth (ft):	118	Screen End Depth (ft):	123
Static Water Level (ft):	2	Flowing:	N
Test Drawdown Depth:	115	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.30434783
Rock Top (ft):	0		

D15
WSW
1/4 - 1/2 Mile
Higher

MI WELLS MI5000000386969

Well ID:	03000001831	Permit #:	Not Reported
Owner:	DAWN NELSON	Well Depth (ft):	219
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20000919
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	209
Screen Start Depth (ft):	209	Screen End Depth (ft):	219
Static Water Level (ft):	70	Flowing:	N
Test Drawdown Depth:	70	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	0.5
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D16
WSW
1/4 - 1/2 Mile
Higher

MI WELLS MI5000000386440

Well ID:	03000001258	Permit #:	Not Reported
Owner:	DAWN NELSON	Well Depth (ft):	139
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20000829
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	133
Screen Start Depth (ft):	133	Screen End Depth (ft):	139
Static Water Level (ft):	70	Flowing:	N
Test Drawdown Depth:	70	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	0.5
Rock Top (ft):	0		

17
West
1/2 - 1 Mile
Higher

MI WELLS MI5000000395758

Well ID:	03000011628	Permit #:	Not Reported
Owner:	GREG HONEYSETT	Well Depth (ft):	164
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20101124
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	158
Screen Start Depth (ft):	158	Screen End Depth (ft):	164
Static Water Level (ft):	75	Flowing:	N
Test Drawdown Depth:	100	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

C18
SSW
1/2 - 1 Mile
Lower

MI WELLS MI5000000387119

Well ID:	03000001994	Permit #:	Not Reported
Owner:	Vance Swope	Well Depth (ft):	41
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20020417

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	41
Static Water Level (ft):	16	Flowing:	N
Test Drawdown Depth:	35	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.85714286
Rock Top (ft):	0		

C19
SSW
1/2 - 1 Mile
Lower

MI WELLS **MI5000000386982**

Well ID:	03000001845	Permit #:	Not Reported
Owner:	Robert Rabidoux	Well Depth (ft):	114
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20020318
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	109
Screen Start Depth (ft):	109	Screen End Depth (ft):	114
Static Water Level (ft):	5	Flowing:	N
Test Drawdown Depth:	1	Test Hours:	104
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	35
Rock Top (ft):	0		

20
SSE
1/2 - 1 Mile
Lower

MI WELLS **MI5000000389207**

Well ID:	03000004162	Permit #:	Not Reported
Owner:	BILL HARRINGTON	Well Depth (ft):	105
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20020717
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	95
Screen Start Depth (ft):	95	Screen End Depth (ft):	105
Static Water Level (ft):	0	Flowing:	Y
Test Drawdown Depth:	90	Test Hours:	1
Test Water Flow Rate:	125	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	90
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

21
SSE
1/2 - 1 Mile
Lower

MI WELLS MI5000000389908

Well ID:	03000004966	Permit #:	81905
Owner:	JAMES ZIEMER	Well Depth (ft):	115
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030709
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	110
Screen Start Depth (ft):	110	Screen End Depth (ft):	115
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth:	95	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

E22
West
1/2 - 1 Mile
Higher

MI WELLS MI5000000388231

Well ID:	03000003153	Permit #:	Not Reported
Owner:	Eula Smith	Well Depth (ft):	194
Well Type:	Unknown	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20011018
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	184
Screen Start Depth (ft):	184	Screen End Depth (ft):	194
Static Water Level (ft):	80	Flowing:	N
Test Drawdown Depth:	120	Test Hours:	2
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

E23
West
1/2 - 1 Mile
Higher

MI WELLS MI5000000388230

Well ID:	03000003152	Permit #:	Not Reported
Owner:	Eula Smith	Well Depth (ft):	194
Well Type:	Unknown	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20011018

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	184
Screen Start Depth (ft):	184	Screen End Depth (ft):	194
Static Water Level (ft):	80	Flowing:	N
Test Drawdown Depth:	120	Test Hours:	2
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

F24
WSW
1/2 - 1 Mile
Higher

MI WELLS MI5000000396725

Well ID:	03000012787	Permit #:	Not Reported
Owner:	AARON MOREHOUSE	Well Depth (ft):	201
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20131007
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	191
Screen Start Depth (ft):	191	Screen End Depth (ft):	201
Static Water Level (ft):	91	Flowing:	N
Test Drawdown Depth:	180	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

25
West
1/2 - 1 Mile
Higher

MI WELLS MI5000000396771

Well ID:	03000012839	Permit #:	Not Reported
Owner:	Marv VanArsdale	Well Depth (ft):	180
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20131112
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	174
Screen Start Depth (ft):	174	Screen End Depth (ft):	180
Static Water Level (ft):	75	Flowing:	N
Test Drawdown Depth:	110	Test Hours:	2
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

G26
SSW
1/2 - 1 Mile
Lower

MI WELLS MI5000000398799

Well ID:	03000015023	Permit #:	Not Reported
Owner:	DAVE FARRIS	Well Depth (ft):	60
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2165	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20150618
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	35
Screen Start Depth (ft):	55	Screen End Depth (ft):	60
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	31	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.96774194
Rock Top (ft):	0		

H27
West
1/2 - 1 Mile
Higher

MI WELLS MI5000000395336

Well ID:	03000011171	Permit #:	Not Reported
Owner:	TERRY NOBIS	Well Depth (ft):	183
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20091026
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	177
Screen Start Depth (ft):	177	Screen End Depth (ft):	183
Static Water Level (ft):	107	Flowing:	N
Test Drawdown Depth:	130	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

F28
WSW
1/2 - 1 Mile
Higher

MI WELLS MI5000000388459

Well ID:	03000003386	Permit #:	Not Reported
Owner:	CENTRAL CONSTRUCTION	Well Depth (ft):	193
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20010901

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	183
Screen Start Depth (ft):	183	Screen End Depth (ft):	193
Static Water Level (ft):	87	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

G29
SSW
1/2 - 1 Mile
Lower

MI WELLS MI5000000397205

Well ID:	03000013297	Permit #:	Not Reported
Owner:	Lucille Eckart	Well Depth (ft):	90
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20140715
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	84
Screen Start Depth (ft):	84	Screen End Depth (ft):	90
Static Water Level (ft):	18	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1.5
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

H30
West
1/2 - 1 Mile
Higher

MI WELLS MI5000000397912

Well ID:	03000014054	Permit #:	Not Reported
Owner:	Terry Nobis	Well Depth (ft):	183
Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20150806
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	163
Screen Start Depth (ft):	163	Screen End Depth (ft):	183
Static Water Level (ft):	107	Flowing:	N
Test Drawdown Depth:	160	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	40
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

31
NE
1/2 - 1 Mile
Lower

MI WELLS MI5000000396441

Well ID:	03000012472	Permit #:	Not Reported
Owner:	High Grade Material	Well Depth (ft):	45
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20130501
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	40
Screen Start Depth (ft):	40	Screen End Depth (ft):	45
Static Water Level (ft):	15	Flowing:	N
Test Drawdown Depth:	25	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

I32
WSW
1/2 - 1 Mile
Higher

MI WELLS MI5000000388576

Well ID:	03000003505	Permit #:	Not Reported
Owner:	JAY PARRISH	Well Depth (ft):	196
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2341	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20020501
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	176
Screen Start Depth (ft):	176	Screen End Depth (ft):	196
Static Water Level (ft):	86	Flowing:	N
Test Drawdown Depth:	137	Test Hours:	1
Test Water Flow Rate:	17	Test Method:	OTH
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

J33
East
1/2 - 1 Mile
Lower

MI WELLS MI5000000385704

Well ID:	03000000022	Permit #:	Not Reported
Owner:	GUN PLAIN TOWNSHIP	Well Depth (ft):	194
Well Type:	Type I Public	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	2925	Well #:	GUN PLAIN TWP WELL #3
Driller ID:	41-0384	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19881024

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	10	Casing Depth (ft):	174
Screen Start Depth (ft):	174	Screen End Depth (ft):	194
Static Water Level (ft):	6.58	Flowing:	N
Test Drawdown Depth:	54	Test Hours:	8
Test Water Flow Rate:	660	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	380
Elevation (ft):	840	Specific Capacity:	0
Rock Top (ft):	0		

J34
East
1/2 - 1 Mile
Lower

MI WELLS MI5000000385702

Well ID:	03000000020	Permit #:	Not Reported
Owner:	GUN PLAIN TOWNSHIP	Well Depth (ft):	202
Well Type:	Type I Public	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	2925	Well #:	GUN PLAIN TWP WELL #1
Driller ID:	33-1997	Drill Method:	Unknown
Other Method Info:	Not Reported	Construction Date:	19860529
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	8	Casing Depth (ft):	162
Screen Start Depth (ft):	166	Screen End Depth (ft):	202
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	16
Test Water Flow Rate:	500	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	380
Elevation (ft):	841	Specific Capacity:	0
Rock Top (ft):	0		

J35
East
1/2 - 1 Mile
Lower

MI WELLS MI5000000385703

Well ID:	03000000021	Permit #:	Not Reported
Owner:	GUN PLAIN TOWNSHIP	Well Depth (ft):	193
Well Type:	Type I Public	Other Type Info:	Not Reported
Well Status:	Plugged/Abandoned	Other Status Info:	Not Reported
Water Supply Serial #:	2925	Well #:	GUN PLAIN TWP WELL #2
Driller ID:	41-0384	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19870717
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	12	Casing Depth (ft):	168
Screen Start Depth (ft):	168	Screen End Depth (ft):	193
Static Water Level (ft):	12.92	Flowing:	N
Test Drawdown Depth:	55	Test Hours:	24
Test Water Flow Rate:	650	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	840	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

G36
SSW
1/2 - 1 Mile
Lower

MI WELLS MI5000000386302

Well ID:	03000001097	Permit #:	Not Reported
Owner:	Not Reported	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1984	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20000629
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	11	Flowing:	N
Test Drawdown Depth:	11	Test Hours:	1
Test Water Flow Rate:	80	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	7.27272727
Rock Top (ft):	0		

K37
SSW
1/2 - 1 Mile
Lower

MI WELLS MI5000000400688

Well ID:	03000017133	Permit #:	20-262
Owner:	JAQUA REALTORS	Well Depth (ft):	63
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-2160	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20200513
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	58
Screen Start Depth (ft):	58	Screen End Depth (ft):	63
Static Water Level (ft):	13	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

I38
WSW
1/2 - 1 Mile
Lower

MI WELLS MI5000000387754

Well ID:	03000002665	Permit #:	Not Reported
Owner:	Houseman, Jim	Well Depth (ft):	240
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20010417

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	233
Screen Start Depth (ft):	233	Screen End Depth (ft):	240
Static Water Level (ft):	80	Flowing:	N
Test Drawdown Depth:	192	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

39
West
1/2 - 1 Mile
Higher

MI WELLS MI5000000388252

Well ID:	03000003174	Permit #:	Not Reported
Owner:	TIM BOND / RILEY HOMES	Well Depth (ft):	145
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20011213
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	140
Screen Start Depth (ft):	140	Screen End Depth (ft):	145
Static Water Level (ft):	96	Flowing:	N
Test Drawdown Depth:	120	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

40
SE
1/2 - 1 Mile
Higher

MI WELLS MI5000000399573

Well ID:	03000015881	Permit #:	w18-473
Owner:	Daniel Cassada	Well Depth (ft):	106
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20180801
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	100
Screen Start Depth (ft):	100	Screen End Depth (ft):	106
Static Water Level (ft):	65	Flowing:	N
Test Drawdown Depth:	100	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

L41
WSW
1/2 - 1 Mile
Higher

MI WELLS MI5000000386026

Well ID:	03000000813	Permit #:	Not Reported
Owner:	CHAD ZENTZ	Well Depth (ft):	255
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1288	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20010123
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	225
Screen Start Depth (ft):	225	Screen End Depth (ft):	255
Static Water Level (ft):	112	Flowing:	N
Test Drawdown Depth:	114	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

K42
SSW
1/2 - 1 Mile
Lower

MI WELLS MI5000000387581

Well ID:	03000002486	Permit #:	Not Reported
Owner:	HOWARD BOWERS	Well Depth (ft):	65
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1984	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20010706
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	61
Screen Start Depth (ft):	61	Screen End Depth (ft):	65
Static Water Level (ft):	7	Flowing:	N
Test Drawdown Depth:	7	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

L43
WSW
1/2 - 1 Mile
Higher

MI WELLS MI5000000390195

Well ID:	03000005359	Permit #:	Not Reported
Owner:	MICHAEL BRUCE	Well Depth (ft):	245
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20031003

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	240
Screen Start Depth (ft):	240	Screen End Depth (ft):	245
Static Water Level (ft):	128	Flowing:	N
Test Drawdown Depth:	160	Test Hours:	1
Test Water Flow Rate:	15	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

44
SE
1/2 - 1 Mile
Higher

MI WELLS MI5000000392343

Well ID:	03000007797	Permit #:	Not Reported
Owner:	PETERSON CUSTOM BLDRS	Well Depth (ft):	119
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050824
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	113
Screen Start Depth (ft):	113	Screen End Depth (ft):	119
Static Water Level (ft):	33	Flowing:	N
Test Drawdown Depth:	80	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

M45
West
1/2 - 1 Mile
Higher

MI WELLS MI5000000388333

Well ID:	03000003256	Permit #:	76494
Owner:	MIKE FYSSER BLD	Well Depth (ft):	137
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20020320
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	133
Screen Start Depth (ft):	133	Screen End Depth (ft):	137
Static Water Level (ft):	89	Flowing:	N
Test Drawdown Depth:	89	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	0.56179775
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

M46
West
1/2 - 1 Mile
Higher

MI WELLS MI5000000390512

Well ID:	03000005716	Permit #:	Not Reported
Owner:	GUNNELL ENTERPRISES	Well Depth (ft):	230
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20031209
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	225
Screen Start Depth (ft):	225	Screen End Depth (ft):	230
Static Water Level (ft):	117	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	27
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

47
NNW
1/2 - 1 Mile
Higher

MI WELLS MI5000000393643

Well ID:	03000009247	Permit #:	Not Reported
Owner:	John & RoseAnne Grimm	Well Depth (ft):	164
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	34-1905	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20061218
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	159
Screen Start Depth (ft):	160	Screen End Depth (ft):	164
Static Water Level (ft):	130	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	8	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

M48
West
1/2 - 1 Mile
Higher

MI WELLS MI5000000389716

Well ID:	03000004718	Permit #:	Not Reported
Owner:	DIEPHUIS BLDRS INC	Well Depth (ft):	137
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	41-1552	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20030523

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	132
Screen Start Depth (ft):	132	Screen End Depth (ft):	137
Static Water Level (ft):	100	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	33	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

49
North
1/2 - 1 Mile
Higher

MI WELLS MI5000000387528

Well ID:	03000002433	Permit #:	Not Reported
Owner:	JIM HUFF	Well Depth (ft):	93
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1931	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20010319
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	93
Screen Start Depth (ft):	89	Screen End Depth (ft):	93
Static Water Level (ft):	78	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

N50
West
1/2 - 1 Mile
Higher

MI WELLS MI5000000389258

Well ID:	03000004215	Permit #:	Not Reported
Owner:	MIKE KALAVITZ	Well Depth (ft):	147
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20021212
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	142
Screen Start Depth (ft):	142	Screen End Depth (ft):	147
Static Water Level (ft):	96	Flowing:	N
Test Drawdown Depth:	135	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

O51
SE
1/2 - 1 Mile
Higher

MI WELLS MI5000000388208

Well ID:	03000003129	Permit #:	000000196
Owner:	KELLY & BETH MURPHY	Well Depth (ft):	124
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	75-1794	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20020103
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	124
Screen Start Depth (ft):	119	Screen End Depth (ft):	124
Static Water Level (ft):	75	Flowing:	N
Test Drawdown Depth:	77	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

52
North
1/2 - 1 Mile
Higher

MI WELLS MI5000000387941

Well ID:	03000002854	Permit #:	Not Reported
Owner:	BOB MARCINKIEWICZ	Well Depth (ft):	160
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20010831
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	152
Screen Start Depth (ft):	152	Screen End Depth (ft):	160
Static Water Level (ft):	100	Flowing:	N
Test Drawdown Depth:	150	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

N53
West
1 - 2 Miles
Higher

MI WELLS MI5000000400863

Well ID:	03000017333	Permit #:	w20-560
Owner:	Mark Lovdahl	Well Depth (ft):	150
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20200901

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	140
Screen Start Depth (ft):	140	Screen End Depth (ft):	150
Static Water Level (ft):	105	Flowing:	N
Test Drawdown Depth:	140	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

N54
West
1 - 2 Miles
Higher

MI WELLS MI5000000391673

Well ID:	03000007032	Permit #:	Not Reported
Owner:	DUANE MUNSON	Well Depth (ft):	158
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20050214
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	152
Screen Start Depth (ft):	152	Screen End Depth (ft):	158
Static Water Level (ft):	92	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

55
WSW
1 - 2 Miles
Higher

MI WELLS MI5000000390100

Well ID:	03000005188	Permit #:	Not Reported
Owner:	TODD MCDONALD	Well Depth (ft):	245
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030827
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	232
Screen Start Depth (ft):	235	Screen End Depth (ft):	245
Static Water Level (ft):	101	Flowing:	N
Test Drawdown Depth:	194	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	16
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

P56
NNW
1 - 2 Miles
Higher

MI WELLS MI5000000399206

Well ID:	03000015469	Permit #:	W17-1197
Owner:	Mark Thomas	Well Depth (ft):	160
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1890	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20171016
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	140
Screen Start Depth (ft):	140	Screen End Depth (ft):	160
Static Water Level (ft):	105	Flowing:	N
Test Drawdown Depth:	115	Test Hours:	2
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

P57
NNW
1 - 2 Miles
Higher

MI WELLS MI5000000399207

Well ID:	03000015470	Permit #:	W17-1197
Owner:	Mark Thomas	Well Depth (ft):	160
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2573	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20171016
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	0	Casing Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	105	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	AIR
Well Grouted:	Not Reported	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

O58
SE
1 - 2 Miles
Higher

MI WELLS MI5000000392611

Well ID:	03000008083	Permit #:	Not Reported
Owner:	Dan Lafountain	Well Depth (ft):	167
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20060111

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	162
Screen Start Depth (ft):	162	Screen End Depth (ft):	167
Static Water Level (ft):	85	Flowing:	N
Test Drawdown Depth:	85	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

59
WSW
1 - 2 Miles
Lower

MI WELLS MI5000000387529

Well ID:	03000002434	Permit #:	Not Reported
Owner:	RON TRAN	Well Depth (ft):	237
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20010305
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	227
Screen Start Depth (ft):	227	Screen End Depth (ft):	237
Static Water Level (ft):	115	Flowing:	N
Test Drawdown Depth:	180	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	14
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

60
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000393704

Well ID:	03000009311	Permit #:	Not Reported
Owner:	MATT COWLES	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2308	Drill Method:	Auger/Bored
Other Method Info:	Not Reported	Construction Date:	20070123
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	18	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	.25
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

61
WSW
1 - 2 Miles
Lower

MI WELLS MI5000000386251

Well ID:	03000001045	Permit #:	Not Reported
Owner:	Sarah Marshall	Well Depth (ft):	166
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20000615
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	161
Screen Start Depth (ft):	161	Screen End Depth (ft):	166
Static Water Level (ft):	129	Flowing:	N
Test Drawdown Depth:	150	Test Hours:	1
Test Water Flow Rate:	12	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

62
NNE
1 - 2 Miles
Higher

MI WELLS MI5000000391225

Well ID:	03000006552	Permit #:	Not Reported
Owner:	SCOTT BAIRD	Well Depth (ft):	105
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20040824
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	100
Screen Start Depth (ft):	100	Screen End Depth (ft):	105
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

Q63
NNW
1 - 2 Miles
Higher

MI WELLS MI5000000399459

Well ID:	03000015755	Permit #:	W17-1386
Owner:	Holton	Well Depth (ft):	183
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1890	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20180517

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	173
Screen Start Depth (ft):	173	Screen End Depth (ft):	183
Static Water Level (ft):	135	Flowing:	N
Test Drawdown Depth:	145	Test Hours:	2
Test Water Flow Rate:	45	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

Q64
NNW
1 - 2 Miles
Higher

MI WELLS MI5000000399485

Well ID:	03000015785	Permit #:	W-17-1386
Owner:	Justin Holtman	Well Depth (ft):	183
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1890	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20180601
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	173
Screen Start Depth (ft):	173	Screen End Depth (ft):	183
Static Water Level (ft):	135	Flowing:	N
Test Drawdown Depth:	145	Test Hours:	3
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

65
NNW
1 - 2 Miles
Higher

MI WELLS MI5000000391752

Well ID:	03000007118	Permit #:	Not Reported
Owner:	BEN DEMINK	Well Depth (ft):	262
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20050224
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	258
Screen Start Depth (ft):	258	Screen End Depth (ft):	262
Static Water Level (ft):	97	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

R66
WSW
1 - 2 Miles
Higher

MI WELLS MI5000000388456

Well ID:	03000003383	Permit #:	Not Reported
Owner:	LISKOWVEC, RICK	Well Depth (ft):	298
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20011015
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	286
Screen Start Depth (ft):	284	Screen End Depth (ft):	298
Static Water Level (ft):	124	Flowing:	N
Test Drawdown Depth:	240	Test Hours:	1
Test Water Flow Rate:	45	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	16
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

R67
WSW
1 - 2 Miles
Higher

MI WELLS MI5000000386035

Well ID:	03000000822	Permit #:	Not Reported
Owner:	Liskowver, Rick	Well Depth (ft):	245
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20000415
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	236
Screen Start Depth (ft):	236	Screen End Depth (ft):	245
Static Water Level (ft):	124	Flowing:	N
Test Drawdown Depth:	200	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

68
NNW
1 - 2 Miles
Higher

MI WELLS MI5000000390180

Well ID:	03000005341	Permit #:	Not Reported
Owner:	BRIAN BUTTON	Well Depth (ft):	149
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030920

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	144
Screen Start Depth (ft):	144	Screen End Depth (ft):	149
Static Water Level (ft):	72	Flowing:	N
Test Drawdown Depth:	140	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

69
West
1 - 2 Miles
Lower

MI WELLS MI5000000400756

Well ID:	03000017209	Permit #:	ws19-403
Owner:	Westwood Construction	Well Depth (ft):	124
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20200622
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	118
Screen Start Depth (ft):	118	Screen End Depth (ft):	124
Static Water Level (ft):	68	Flowing:	N
Test Drawdown Depth:	110	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

S70
West
1 - 2 Miles
Lower

MI WELLS MI5000000389113

Well ID:	03000004064	Permit #:	Not Reported
Owner:	BRIAN HOWRIGAN	Well Depth (ft):	210
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1890	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20021009
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	190
Screen Start Depth (ft):	190	Screen End Depth (ft):	210
Static Water Level (ft):	124	Flowing:	N
Test Drawdown Depth:	124	Test Hours:	1
Test Water Flow Rate:	55	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

T71
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000397503

Well ID:	03000013619	Permit #:	Not Reported
Owner:	DYLAN STEEL	Well Depth (ft):	42
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20141110
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	37
Screen Start Depth (ft):	38	Screen End Depth (ft):	42
Static Water Level (ft):	12	Flowing:	N
Test Drawdown Depth:	37	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

72
NNW
1 - 2 Miles
Higher

MI WELLS MI5000000390462

Well ID:	03000005661	Permit #:	Not Reported
Owner:	SIDNEY & CAROLYN GRIMM	Well Depth (ft):	149
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20031208
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	145
Screen Start Depth (ft):	145	Screen End Depth (ft):	149
Static Water Level (ft):	104	Flowing:	N
Test Drawdown Depth:	104	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0.28846154
Rock Top (ft):	0		

U73
West
1 - 2 Miles
Lower

MI WELLS MI5000000398022

Well ID:	03000014176	Permit #:	Not Reported
Owner:	alex suhut	Well Depth (ft):	99
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	41-2351	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20151010

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	94
Screen Start Depth (ft):	94	Screen End Depth (ft):	99
Static Water Level (ft):	65	Flowing:	N
Test Drawdown Depth:	90	Test Hours:	2
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

R74
WSW
1 - 2 Miles
Higher

MI WELLS MI5000000386580

Well ID:	03000001420	Permit #:	Not Reported
Owner:	Chris Crawford	Well Depth (ft):	237
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	41-2249	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20000628
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	8	Casing Depth (ft):	237
Screen Start Depth (ft):	234	Screen End Depth (ft):	237
Static Water Level (ft):	130	Flowing:	N
Test Drawdown Depth:	130	Test Hours:	1
Test Water Flow Rate:	9	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

75
SE
1 - 2 Miles
Higher

MI WELLS MI5000000400046

Well ID:	03000016408	Permit #:	Not Reported
Owner:	Midwest V LLC	Well Depth (ft):	164
Well Type:	Type II Public	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	2069403	Well #:	001
Driller ID:	23-2227	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20190702
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	159
Screen Start Depth (ft):	159	Screen End Depth (ft):	164
Static Water Level (ft):	58	Flowing:	N
Test Drawdown Depth:	158	Test Hours:	2
Test Water Flow Rate:	15	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	15
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

76
South
1 - 2 Miles
Lower

MI WELLS MI5000000390420

Well ID:	03000005616	Permit #:	Not Reported
Owner:	Jiim McBain Builder	Well Depth (ft):	54
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20040315
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	49
Screen Start Depth (ft):	49	Screen End Depth (ft):	54
Static Water Level (ft):	7	Flowing:	N
Test Drawdown Depth:	7	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

S77
West
1 - 2 Miles
Lower

MI WELLS MI5000000394949

Well ID:	03000010756	Permit #:	Not Reported
Owner:	HIGH COUNTRY CONSTRUCTION	Well Depth (ft):	134
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20090417
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	128
Screen Start Depth (ft):	128	Screen End Depth (ft):	134
Static Water Level (ft):	93	Flowing:	N
Test Drawdown Depth:	120	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

V78
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000394123

Well ID:	03000009847	Permit #:	Not Reported
Owner:	Prestiege Homes	Well Depth (ft):	152
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1890	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20080310

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	142
Screen Start Depth (ft):	142	Screen End Depth (ft):	152
Static Water Level (ft):	86	Flowing:	N
Test Drawdown Depth:	86	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	827	Specific Capacity:	0
Rock Top (ft):	0		

U79
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000390352

Well ID:	03000005537	Permit #:	Not Reported
Owner:	BOB BUSK	Well Depth (ft):	85
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20031126
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	80
Screen Start Depth (ft):	80	Screen End Depth (ft):	85
Static Water Level (ft):	57	Flowing:	N
Test Drawdown Depth:	84	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

W80
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000395674

Well ID:	03000011541	Permit #:	Not Reported
Owner:	Water Worx Well Drilling	Well Depth (ft):	88
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2274	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20110608
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	83
Screen Start Depth (ft):	83	Screen End Depth (ft):	88
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	1
Test Water Flow Rate:	15	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

81
West
1 - 2 Miles
Lower

MI WELLS MI5000000393263

Well ID:	03000008819	Permit #:	Not Reported
Owner:	DAVID DALRYMPLE	Well Depth (ft):	108
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20060802
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	102
Screen Start Depth (ft):	102	Screen End Depth (ft):	108
Static Water Level (ft):	71	Flowing:	N
Test Drawdown Depth:	100	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

T82
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000392226

Well ID:	03000007662	Permit #:	Not Reported
Owner:	ADVANTAGE HOUSING	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050801
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	45
Screen Start Depth (ft):	45	Screen End Depth (ft):	50
Static Water Level (ft):	22	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

W83
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000395295

Well ID:	03000011129	Permit #:	Not Reported
Owner:	TAMMY AUSTIN	Well Depth (ft):	86
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20091106

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	80
Screen Start Depth (ft):	80	Screen End Depth (ft):	86
Static Water Level (ft):	43	Flowing:	N
Test Drawdown Depth:	58	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

84
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000398426

Well ID:	03000014616	Permit #:	Not Reported
Owner:	Angalena Carruther	Well Depth (ft):	79
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20160804
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	75
Screen Start Depth (ft):	75	Screen End Depth (ft):	79
Static Water Level (ft):	1	Flowing:	Y
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.66666667
Rock Top (ft):	0		

W85
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000394639

Well ID:	03000010428	Permit #:	Not Reported
Owner:	DAN COWELLS	Well Depth (ft):	82
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20080612
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	76
Screen Start Depth (ft):	76	Screen End Depth (ft):	82
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

V86
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000395475

Well ID:	03000011322	Permit #:	Not Reported
Owner:	PERRY TOLICSKA	Well Depth (ft):	128
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20100127
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	122
Screen Start Depth (ft):	122	Screen End Depth (ft):	128
Static Water Level (ft):	74	Flowing:	N
Test Drawdown Depth:	90	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

X87
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000386342

Well ID:	03000001143	Permit #:	Not Reported
Owner:	THELMA PETERSON	Well Depth (ft):	48
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20000615
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	43
Screen Start Depth (ft):	43	Screen End Depth (ft):	48
Static Water Level (ft):	14	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	784	Specific Capacity:	0
Rock Top (ft):	0		

W88
SW
1 - 2 Miles
Lower

MI WELLS MI5000000395735

Well ID:	03000011605	Permit #:	Not Reported
Owner:	carol tyler	Well Depth (ft):	88
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-2498	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20110608

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Not Reported	Other Casing Info:	Not Reported
Casing Diameter (in):	0	Casing Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	0	Flowing:	Not Reported
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	Not Reported
Well Grouted:	Not Reported	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

89
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000392869

Well ID:	03000008379	Permit #:	Not Reported
Owner:	JIM BAWETT	Well Depth (ft):	45
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-2067	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20051020
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	45
Screen Start Depth (ft):	40	Screen End Depth (ft):	45
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	2
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

V90
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000392916

Well ID:	03000008428	Permit #:	Not Reported
Owner:	ROY CARLSON	Well Depth (ft):	139
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20060208
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	133
Screen Start Depth (ft):	133	Screen End Depth (ft):	139
Static Water Level (ft):	76	Flowing:	N
Test Drawdown Depth:	135	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

91
ESE
1 - 2 Miles
Higher

MI WELLS MI5000000394411

Well ID:	03000010154	Permit #:	Not Reported
Owner:	ALLYNN PROPERTIES	Well Depth (ft):	132
Well Type:	Type II Public	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	2066303	Well #:	001
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20071101
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	127
Screen Start Depth (ft):	127	Screen End Depth (ft):	132
Static Water Level (ft):	63	Flowing:	N
Test Drawdown Depth:	80	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

Y92
South
1 - 2 Miles
Lower

MI WELLS MI5000000389277

Well ID:	03000004234	Permit #:	Not Reported
Owner:	CARR	Well Depth (ft):	69
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-0764	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20010119
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	59
Screen Start Depth (ft):	59	Screen End Depth (ft):	69
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth:	39	Test Hours:	1
Test Water Flow Rate:	18	Test Method:	OTH
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

93
South
1 - 2 Miles
Lower

MI WELLS MI5000000396724

Well ID:	03000012786	Permit #:	Not Reported
Owner:	MARY GIDDINGS	Well Depth (ft):	38.5
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-0769	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20110204

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	33.5
Screen Start Depth (ft):	33.4	Screen End Depth (ft):	38.4
Static Water Level (ft):	6.5	Flowing:	Y
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	28		

X94
SSW
1 - 2 Miles
Lower

MI WELLS **MI5000000392191**

Well ID:	03000007624	Permit #:	Not Reported
Owner:	ADVANTAGE HOUSING	Well Depth (ft):	46
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050804
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	40
Screen Start Depth (ft):	40	Screen End Depth (ft):	46
Static Water Level (ft):	9	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

Z95
WNW
1 - 2 Miles
Lower

MI WELLS **MI5000000386703**

Well ID:	03000001564	Permit #:	Not Reported
Owner:	GENE KROEN	Well Depth (ft):	97
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20000429
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	91
Screen Start Depth (ft):	91	Screen End Depth (ft):	97
Static Water Level (ft):	75	Flowing:	N
Test Drawdown Depth:	90	Test Hours:	2
Test Water Flow Rate:	15	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.16666667
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AA96

SE

**1 - 2 Miles
Higher**

MI WELLS MI5000000394448

Well ID:	03000010208	Permit #:	Not Reported
Owner:	CHRISTOPHER EBSCH	Well Depth (ft):	61
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20080918
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	56
Screen Start Depth (ft):	57	Screen End Depth (ft):	61
Static Water Level (ft):	24	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AA97

SE

**1 - 2 Miles
Higher**

MI WELLS MI5000000394678

Well ID:	03000010468	Permit #:	Not Reported
Owner:	CHRIS EBSCH	Well Depth (ft):	61
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1972	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20080919
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	56
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	24	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

Y98

South

**1 - 2 Miles
Lower**

MI WELLS MI5000000389309

Well ID:	03000004266	Permit #:	Not Reported
Owner:	DREAMLAND HOMES	Well Depth (ft):	69
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20020422

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	64
Screen Start Depth (ft):	64	Screen End Depth (ft):	69
Static Water Level (ft):	31	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	.5
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AB99
NW
1 - 2 Miles
Lower

MI WELLS **MI5000000390925**

Well ID:	03000006201	Permit #:	Not Reported
Owner:	Helen Goolsby	Well Depth (ft):	68
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20040325
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	63
Screen Start Depth (ft):	63	Screen End Depth (ft):	68
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth:	62	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	19
Elevation (ft):	0	Specific Capacity:	0.48387097
Rock Top (ft):	0		

X100
SSW
1 - 2 Miles
Lower

MI WELLS **MI5000000386343**

Well ID:	03000001144	Permit #:	Not Reported
Owner:	HARRY BETKE	Well Depth (ft):	45
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20000616
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	40
Screen Start Depth (ft):	40	Screen End Depth (ft):	45
Static Water Level (ft):	14	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AC101
North
1 - 2 Miles
Lower

MI WELLS MI5000000399925

Well ID:	03000016278	Permit #:	w19-163
Owner:	Ace Francisco	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20190412
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	54
Screen Start Depth (ft):	54	Screen End Depth (ft):	58
Static Water Level (ft):	23	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.88888889
Rock Top (ft):	0		

102
NW
1 - 2 Miles
Lower

MI WELLS MI5000000398387

Well ID:	03000014576	Permit #:	Not Reported
Owner:	Bob Bown	Well Depth (ft):	85
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20160708
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	90
Screen Start Depth (ft):	90	Screen End Depth (ft):	95
Static Water Level (ft):	65	Flowing:	N
Test Drawdown Depth:	90	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

Z103
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000386468

Well ID:	03000001289	Permit #:	Not Reported
Owner:	RON STAMM	Well Depth (ft):	84
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20000306

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	80
Screen Start Depth (ft):	80	Screen End Depth (ft):	84
Static Water Level (ft):	23	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	1
Rock Top (ft):	0		

Y104
SSE
1 - 2 Miles
Lower

MI WELLS **MI5000000395565**

Well ID:	03000011429	Permit #:	Not Reported
Owner:	SALLY JO COOK	Well Depth (ft):	70
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-1660	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20100727
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	65
Screen Start Depth (ft):	65	Screen End Depth (ft):	70
Static Water Level (ft):	34	Flowing:	N
Test Drawdown Depth:	37	Test Hours:	.5
Test Water Flow Rate:	10	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.27027027
Rock Top (ft):	0		

AA105
SE
1 - 2 Miles
Higher

MI WELLS **MI5000000390207**

Well ID:	030000005379	Permit #:	Not Reported
Owner:	BILL HARRINGTON	Well Depth (ft):	114
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20031029
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	109
Screen Start Depth (ft):	109	Screen End Depth (ft):	114
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth:	95	Test Hours:	1
Test Water Flow Rate:	80	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AC106
North
1 - 2 Miles
Lower

MI WELLS MI5000000395761

Well ID:	03000011632	Permit #:	Not Reported
Owner:	TERESA BRIGHT	Well Depth (ft):	31
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2308	Drill Method:	JETTIN
Other Method Info:	Not Reported	Construction Date:	20101028
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	2	Casing Depth (ft):	28
Screen Start Depth (ft):	28	Screen End Depth (ft):	31
Static Water Level (ft):	7	Flowing:	N
Test Drawdown Depth:	7	Test Hours:	.5
Test Water Flow Rate:	20	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	2.85714286
Rock Top (ft):	0		

107
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000392824

Well ID:	03000008334	Permit #:	Not Reported
Owner:	RAY SHOOK	Well Depth (ft):	48
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20060201
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	40
Screen Start Depth (ft):	40	Screen End Depth (ft):	48
Static Water Level (ft):	37	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	2
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	16
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

108
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000400466

Well ID:	03000016878	Permit #:	ws19-352
Owner:	Matt Hunt	Well Depth (ft):	49
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20191119

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	45
Screen Start Depth (ft):	45	Screen End Depth (ft):	49
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth:	35	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	1.14285714
Rock Top (ft):	0		

AD109
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000386702

Well ID:	03000001563	Permit #:	Not Reported
Owner:	LAWRENCE STRICKLAND	Well Depth (ft):	78
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20000331
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	73
Screen Start Depth (ft):	73	Screen End Depth (ft):	78
Static Water Level (ft):	46	Flowing:	N
Test Drawdown Depth:	70	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

110
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000386670

Well ID:	03000001531	Permit #:	Not Reported
Owner:	MICHELLE WOODWARD	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20000825
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	35
Screen Start Depth (ft):	35	Screen End Depth (ft):	40
Static Water Level (ft):	8	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AD111
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000395276

Well ID:	03000011109	Permit #:	Not Reported
Owner:	JOEL LEE	Well Depth (ft):	67
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1771	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20080805
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	63
Screen Start Depth (ft):	63	Screen End Depth (ft):	67
Static Water Level (ft):	36	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	.5
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0.75
Rock Top (ft):	0		

112
South
1 - 2 Miles
Lower

MI WELLS MI5000000395081

Well ID:	03000010905	Permit #:	Not Reported
Owner:	Jim McBain Bldr.	Well Depth (ft):	42
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20100308
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	37
Screen Start Depth (ft):	37	Screen End Depth (ft):	42
Static Water Level (ft):	5	Flowing:	N
Test Drawdown Depth:	5	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AB113
NW
1 - 2 Miles
Lower

MI WELLS MI5000000393064

Well ID:	03000008598	Permit #:	Not Reported
Owner:	JASON BARTON	Well Depth (ft):	0
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-2369	Drill Method:	Unknown
Other Method Info:	Not Reported	Construction Date:	20050101

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Not Reported	Other Casing Info:	Not Reported
Casing Diameter (in):	0	Casing Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	0	Flowing:	Not Reported
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	Not Reported
Well Grouted:	Not Reported	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AE114
NW
1 - 2 Miles
Lower

MI WELLS **MI5000000389471**

Well ID:	03000004439	Permit #:	Not Reported
Owner:	LARRY SMITH	Well Depth (ft):	86
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2342	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030211
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	76
Screen Start Depth (ft):	76	Screen End Depth (ft):	86
Static Water Level (ft):	48	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AD115
SSE
1 - 2 Miles
Lower

MI WELLS **MI5000000397623**

Well ID:	03000013746	Permit #:	Not Reported
Owner:	Joel Lee	Well Depth (ft):	68
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20120501
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	64
Screen Start Depth (ft):	64	Screen End Depth (ft):	68
Static Water Level (ft):	36	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1.5
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	1.25
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AF116
North
1 - 2 Miles
Lower

MI WELLS MI5000000386639

Well ID:	03000001500	Permit #:	Not Reported
Owner:	Rick Miller	Well Depth (ft):	78
Well Type:	Type III Public	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20020125
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	70
Screen Start Depth (ft):	70	Screen End Depth (ft):	78
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	2
Test Water Flow Rate:	100	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	85
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AE117
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000386463

Well ID:	03000001283	Permit #:	Not Reported
Owner:	Barry Miller	Well Depth (ft):	60
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20011013
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	55
Screen Start Depth (ft):	55	Screen End Depth (ft):	60
Static Water Level (ft):	6	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.5
Rock Top (ft):	0		

AF118
North
1 - 2 Miles
Lower

MI WELLS MI5000000386459

Well ID:	03000001279	Permit #:	Not Reported
Owner:	Stanley Osborn	Well Depth (ft):	49
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20011008

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	44
Screen Start Depth (ft):	44	Screen End Depth (ft):	49
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	35	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	19
Elevation (ft):	0	Specific Capacity:	0.85714286
Rock Top (ft):	0		

119
SE
1 - 2 Miles
Higher

MI WELLS **MI5000000397174**

Well ID:	03000013266	Permit #:	Not Reported
Owner:	Paragon Custom Homes	Well Depth (ft):	148
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20140702
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	140
Screen Start Depth (ft):	140	Screen End Depth (ft):	148
Static Water Level (ft):	85	Flowing:	N
Test Drawdown Depth:	100	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AG120
WNW
1 - 2 Miles
Lower

MI WELLS **MI5000000387531**

Well ID:	03000002436	Permit #:	Not Reported
Owner:	J. STUUT	Well Depth (ft):	79
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20001128
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	74
Screen Start Depth (ft):	74	Screen End Depth (ft):	79
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth:	70	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.42857143
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

121
NW
1 - 2 Miles
Lower

MI WELLS MI5000000396244

Well ID:	03000012244	Permit #:	Not Reported
Owner:	Gary Roys	Well Depth (ft):	105
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20120924
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	99
Screen Start Depth (ft):	99	Screen End Depth (ft):	105
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AH122
West
1 - 2 Miles
Lower

MI WELLS MI5000000393697

Well ID:	03000009304	Permit #:	Not Reported
Owner:	CHRISTINE FORD	Well Depth (ft):	196
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20061204
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	190
Screen Start Depth (ft):	190	Screen End Depth (ft):	196
Static Water Level (ft):	60	Flowing:	N
Test Drawdown Depth:	80	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AI123
North
1 - 2 Miles
Lower

MI WELLS MI5000000395301

Well ID:	03000011135	Permit #:	Not Reported
Owner:	PAT MCCLOUD	Well Depth (ft):	95
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20091012

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	90
Screen Start Depth (ft):	90	Screen End Depth (ft):	95
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth:	55	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

124
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000387505

Well ID:	03000002408	Permit #:	Not Reported
Owner:	NANCY WILLIAMS	Well Depth (ft):	115
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19991231
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	110
Screen Start Depth (ft):	110	Screen End Depth (ft):	115
Static Water Level (ft):	55	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AG125
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000397695

Well ID:	03000013822	Permit #:	Not Reported
Owner:	MARK SLEEMAN	Well Depth (ft):	86
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2573	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20150410
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	82
Screen Start Depth (ft):	82	Screen End Depth (ft):	86
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	.5
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	1.33333333
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AH126
West
1 - 2 Miles
Lower

MI WELLS MI5000000394554

Well ID:	03000010340	Permit #:	Not Reported
Owner:	MURRY HARRISON	Well Depth (ft):	106
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20080206
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	100
Screen Start Depth (ft):	100	Screen End Depth (ft):	106
Static Water Level (ft):	58	Flowing:	N
Test Drawdown Depth:	70	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

127
NW
1 - 2 Miles
Lower

MI WELLS MI5000000386464

Well ID:	03000001285	Permit #:	Not Reported
Owner:	Ron Stamm	Well Depth (ft):	84
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20000306
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	80
Screen Start Depth (ft):	80	Screen End Depth (ft):	84
Static Water Level (ft):	23	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	1
Rock Top (ft):	0		

AJ128
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000387420

Well ID:	03000002323	Permit #:	Not Reported
Owner:	BROCK HOMES	Well Depth (ft):	45
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20010126

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	40
Screen Start Depth (ft):	40	Screen End Depth (ft):	45
Static Water Level (ft):	34	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	.5
Test Water Flow Rate:	15	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AK129
ESE
1 - 2 Miles
Higher

MI WELLS **MI5000000386027**

Well ID:	03000000814	Permit #:	Not Reported
Owner:	RICK TROUTMAN	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1288	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20001127
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	95
Screen Start Depth (ft):	95	Screen End Depth (ft):	100
Static Water Level (ft):	72	Flowing:	N
Test Drawdown Depth:	75	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AK130
SE
1 - 2 Miles
Higher

MI WELLS **MI5000000396787**

Well ID:	03000012855	Permit #:	Not Reported
Owner:	MAURICK WHITNEY	Well Depth (ft):	95
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2308	Drill Method:	Auger/Bored
Other Method Info:	Not Reported	Construction Date:	20120326
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	91
Screen Start Depth (ft):	91	Screen End Depth (ft):	95
Static Water Level (ft):	65	Flowing:	N
Test Drawdown Depth:	65	Test Hours:	.5
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.46153846
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AJ131
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000391471

Well ID:	03000006804	Permit #:	Not Reported
Owner:	BILL LAFOUNTAIN	Well Depth (ft):	51
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20040915
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	47
Screen Start Depth (ft):	47	Screen End Depth (ft):	51
Static Water Level (ft):	36	Flowing:	N
Test Drawdown Depth:	43	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.69767442
Rock Top (ft):	0		

132
East
1 - 2 Miles
Higher

MI WELLS MI5000000397990

Well ID:	03000014142	Permit #:	Not Reported
Owner:	Paul Campbell	Well Depth (ft):	91
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20150923
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	85
Screen Start Depth (ft):	85	Screen End Depth (ft):	91
Static Water Level (ft):	34	Flowing:	N
Test Drawdown Depth:	80	Test Hours:	.5
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AI133
North
1 - 2 Miles
Lower

MI WELLS MI5000000396288

Well ID:	03000012300	Permit #:	Not Reported
Owner:	Lee Staudinger	Well Depth (ft):	65
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20121101

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	59
Screen Start Depth (ft):	59	Screen End Depth (ft):	65
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AL134
North
1 - 2 Miles
Lower

MI WELLS MI5000000395839

Well ID:	03000011736	Permit #:	Not Reported
Owner:	RICK MILLER	Well Depth (ft):	57
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20110906
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	52
Screen Start Depth (ft):	52	Screen End Depth (ft):	57
Static Water Level (ft):	18	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	27
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

135
West
1 - 2 Miles
Lower

MI WELLS MI5000000399563

Well ID:	03000015870	Permit #:	w18-483
Owner:	Kathryn Welcher	Well Depth (ft):	90
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20180726
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	84
Screen Start Depth (ft):	84	Screen End Depth (ft):	90
Static Water Level (ft):	54	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

136
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000392648

Well ID:	03000008121	Permit #:	Not Reported
Owner:	KEVIN COONEY	Well Depth (ft):	49
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20051121
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	44
Screen Start Depth (ft):	44	Screen End Depth (ft):	49
Static Water Level (ft):	31	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

137
South
1 - 2 Miles
Lower

MI WELLS MI5000000396571

Well ID:	03000012627	Permit #:	Not Reported
Owner:	Paul Lauderdale	Well Depth (ft):	34
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20130812
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	28
Screen Start Depth (ft):	28	Screen End Depth (ft):	34
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth:	20	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AM138
NW
1 - 2 Miles
Lower

MI WELLS MI5000000395130

Well ID:	03000010957	Permit #:	Not Reported
Owner:	BARRY JUNKER	Well Depth (ft):	136
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20090731

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	128
Screen Start Depth (ft):	128	Screen End Depth (ft):	136
Static Water Level (ft):	34	Flowing:	N
Test Drawdown Depth:	48	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AL139
North
1 - 2 Miles
Lower

MI WELLS **MI5000000393002**

Well ID:	03000008524	Permit #:	Not Reported
Owner:	Robin Aldam	Well Depth (ft):	85
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20060516
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	80
Screen Start Depth (ft):	80	Screen End Depth (ft):	85
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth:	80	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

140
North
1 - 2 Miles
Lower

MI WELLS **MI5000000386540**

Well ID:	03000001377	Permit #:	Not Reported
Owner:	Dennis & Amanda James	Well Depth (ft):	76
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20011126
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	71
Screen Start Depth (ft):	71	Screen End Depth (ft):	76
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth:	65	Test Hours:	1
Test Water Flow Rate:	38	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	19
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

141
SE
1 - 2 Miles
Higher

MI WELLS MI5000000396103

Well ID:	03000012094	Permit #:	Not Reported
Owner:	William Burmeister	Well Depth (ft):	145
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-2159	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20120625
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	140
Screen Start Depth (ft):	140	Screen End Depth (ft):	145
Static Water Level (ft):	60	Flowing:	N
Test Drawdown Depth:	72	Test Hours:	2
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

142
North
1 - 2 Miles
Lower

MI WELLS MI5000000394591

Well ID:	03000010378	Permit #:	Not Reported
Owner:	Carol Sweet	Well Depth (ft):	60
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20090124
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	55
Screen Start Depth (ft):	55	Screen End Depth (ft):	60
Static Water Level (ft):	17	Flowing:	N
Test Drawdown Depth:	17	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

143
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000395785

Well ID:	03000011656	Permit #:	Not Reported
Owner:	Mike McComis	Well Depth (ft):	36
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20110811

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	31
Screen Start Depth (ft):	31	Screen End Depth (ft):	36
Static Water Level (ft):	15	Flowing:	N
Test Drawdown Depth:	25	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

144
NE
1 - 2 Miles
Lower

MI WELLS MI5000000394254

Well ID:	03000009992	Permit #:	Not Reported
Owner:	FAIRWAY DEVELOPMENT GROUP	Well Depth (ft):	66
Well Type:	Test Well	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20070726
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	58
Screen Start Depth (ft):	58	Screen End Depth (ft):	66
Static Water Level (ft):	8	Flowing:	N
Test Drawdown Depth:	16	Test Hours:	4
Test Water Flow Rate:	20	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	1.25
Rock Top (ft):	0		

AM145
NW
1 - 2 Miles
Lower

MI WELLS MI5000000397637

Well ID:	03000013762	Permit #:	Not Reported
Owner:	Mis Lamb	Well Depth (ft):	57
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2165	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20140427
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	52
Screen Start Depth (ft):	52	Screen End Depth (ft):	57
Static Water Level (ft):	22	Flowing:	N
Test Drawdown Depth:	25	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	1
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AN146
West
1 - 2 Miles
Lower

MI WELLS MI5000000399431

Well ID:	03000015722	Permit #:	WS17-1066
Owner:	Frank Carter	Well Depth (ft):	92
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-2159	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20180503
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	87
Screen Start Depth (ft):	87	Screen End Depth (ft):	92
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1.5
Test Water Flow Rate:	35	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

147
NNE
1 - 2 Miles
Higher

MI WELLS MI5000000387859

Well ID:	03000002771	Permit #:	Not Reported
Owner:	JIM DRAKE	Well Depth (ft):	95
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1890	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20010816
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	90
Screen Start Depth (ft):	90	Screen End Depth (ft):	95
Static Water Level (ft):	55	Flowing:	N
Test Drawdown Depth:	55	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0.90909091
Rock Top (ft):	0		

148
SSE
1 - 2 Miles
Higher

MI WELLS MI5000000392344

Well ID:	03000007798	Permit #:	Not Reported
Owner:	LARRY DENNANY	Well Depth (ft):	130
Well Type:	Heat Pump	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050822

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	124
Screen Start Depth (ft):	124	Screen End Depth (ft):	130
Static Water Level (ft):	32	Flowing:	N
Test Drawdown Depth:	70	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	869	Specific Capacity:	0
Rock Top (ft):	0		

149
WSW
1 - 2 Miles
Lower

MI WELLS MI5000000401376

Well ID:	03000017880	Permit #:	w21-492
Owner:	Jeff Steele	Well Depth (ft):	31
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20210629
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	27
Screen Start Depth (ft):	27	Screen End Depth (ft):	31
Static Water Level (ft):	12	Flowing:	N
Test Drawdown Depth:	20	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	2.5
Rock Top (ft):	0		

AN150
West
1 - 2 Miles
Lower

MI WELLS MI5000000387138

Well ID:	03000002017	Permit #:	Not Reported
Owner:	WARREN BLDRS INC	Well Depth (ft):	57
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20001030
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	52
Screen Start Depth (ft):	52	Screen End Depth (ft):	57
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

151
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000398442

Well ID:	03000014637	Permit #:	Not Reported
Owner:	Kathryn Burk	Well Depth (ft):	46
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20160822
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	42
Screen Start Depth (ft):	42	Screen End Depth (ft):	46
Static Water Level (ft):	28	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	2
Test Water Flow Rate:	20	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.66666667
Rock Top (ft):	0		

152
NW
1 - 2 Miles
Lower

MI WELLS MI5000000393607

Well ID:	03000009205	Permit #:	Not Reported
Owner:	WAYNE CURTIS	Well Depth (ft):	78
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2165	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20061101
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	73
Screen Start Depth (ft):	73	Screen End Depth (ft):	78
Static Water Level (ft):	27	Flowing:	N
Test Drawdown Depth:	57	Test Hours:	1
Test Water Flow Rate:	10	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.1754386
Rock Top (ft):	0		

AO153
NNE
1 - 2 Miles
Higher

MI WELLS MI5000000398094

Well ID:	03000014251	Permit #:	Not Reported
Owner:	Bob & Peggy Toothman	Well Depth (ft):	89
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20151117

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	83
Screen Start Depth (ft):	83	Screen End Depth (ft):	89
Static Water Level (ft):	66	Flowing:	N
Test Drawdown Depth:	84	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

154
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000389718

Well ID:	03000004720	Permit #:	Not Reported
Owner:	AARON WHYMENT	Well Depth (ft):	77
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20030529
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	72
Screen Start Depth (ft):	72	Screen End Depth (ft):	77
Static Water Level (ft):	1	Flowing:	N
Test Drawdown Depth:	72	Test Hours:	2
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	19
Elevation (ft):	0	Specific Capacity:	0.55555556
Rock Top (ft):	0		

AP155
SE
1 - 2 Miles
Higher

MI WELLS MI5000000398209

Well ID:	03000014373	Permit #:	Not Reported
Owner:	Charles Dennany	Well Depth (ft):	112
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2274	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20160208
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	107
Screen Start Depth (ft):	107	Screen End Depth (ft):	112
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

156
NW
1 - 2 Miles
Lower

MI WELLS MI5000000401353

Well ID:	03000017856	Permit #:	w21-456
Owner:	Jessica Brooks	Well Depth (ft):	51
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20210617
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	47
Screen Start Depth (ft):	47	Screen End Depth (ft):	51
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.75
Rock Top (ft):	0		

157
NNE
1 - 2 Miles
Higher

MI WELLS MI5000000390599

Well ID:	03000005809	Permit #:	Not Reported
Owner:	TONY MINSHALL	Well Depth (ft):	95
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20040123
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	89
Screen Start Depth (ft):	89	Screen End Depth (ft):	95
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	902	Specific Capacity:	0.7
Rock Top (ft):	0		

AO158
NNE
1 - 2 Miles
Higher

MI WELLS MI5000000391796

Well ID:	03000007163	Permit #:	Not Reported
Owner:	LANDMESSER CONST	Well Depth (ft):	86
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2308	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20041008

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	82
Screen Start Depth (ft):	82	Screen End Depth (ft):	86
Static Water Level (ft):	55	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	.5
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	0	Specific Capacity:	0.83333333
Rock Top (ft):	0		

AO159
NNE
1 - 2 Miles
Higher

MI WELLS MI5000000395757

Well ID:	03000011627	Permit #:	Not Reported
Owner:	MARK TUINSTRA	Well Depth (ft):	86
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20101126
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	80
Screen Start Depth (ft):	80	Screen End Depth (ft):	86
Static Water Level (ft):	66	Flowing:	N
Test Drawdown Depth:	77	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AP160
SSE
1 - 2 Miles
Higher

MI WELLS MI5000000387471

Well ID:	03000002374	Permit #:	Not Reported
Owner:	GEORGE ZEOCK	Well Depth (ft):	105
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20001229
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	100
Screen Start Depth (ft):	100	Screen End Depth (ft):	105
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth:	80	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

161
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000486841

Well ID:	39000015504	Permit #:	Not Reported
Owner:	THELMA DAYLRYMPLE	Well Depth (ft):	43
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030918
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	38
Screen Start Depth (ft):	38	Screen End Depth (ft):	43
Static Water Level (ft):	22	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	758	Specific Capacity:	0
Rock Top (ft):	0		

AQ162
ESE
1 - 2 Miles
Higher

MI WELLS MI5000000394134

Well ID:	03000009858	Permit #:	Not Reported
Owner:	Cornerstone Construction	Well Depth (ft):	125
Well Type:	Test Well	Other Type Info:	Not Reported
Well Status:	Plugged/Abandoned	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20080304
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	120
Screen Start Depth (ft):	120	Screen End Depth (ft):	125
Static Water Level (ft):	104	Flowing:	N
Test Drawdown Depth:	104	Test Hours:	1
Test Water Flow Rate:	10	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0.09615385
Rock Top (ft):	0		

AQ163
ESE
1 - 2 Miles
Higher

MI WELLS MI5000000394136

Well ID:	03000009860	Permit #:	Not Reported
Owner:	Cornerstone Construction	Well Depth (ft):	180
Well Type:	Test Well	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20080311

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	150
Screen Start Depth (ft):	150	Screen End Depth (ft):	180
Static Water Level (ft):	104	Flowing:	N
Test Drawdown Depth:	123	Test Hours:	4
Test Water Flow Rate:	19	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0.15447154
Rock Top (ft):	0		

164
SSE
1 - 2 Miles
Lower

MI WELLS **MI5000000488347**

Well ID:	39000017770	Permit #:	05-0253
Owner:	MIKE WILLIAMS	Well Depth (ft):	51
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	34-1905	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050907
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	47
Screen Start Depth (ft):	47	Screen End Depth (ft):	51
Static Water Level (ft):	31	Flowing:	N
Test Drawdown Depth:	31	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	800	Specific Capacity:	0
Rock Top (ft):	0		

AR165
North
1 - 2 Miles
Lower

MI WELLS **MI5000000392478**

Well ID:	03000007942	Permit #:	Not Reported
Owner:	CARL & LISA BOER	Well Depth (ft):	93
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050914
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	88
Screen Start Depth (ft):	88	Screen End Depth (ft):	93
Static Water Level (ft):	57	Flowing:	N
Test Drawdown Depth:	75	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AS166
NNE
1 - 2 Miles
Higher

MI WELLS MI5000000388855

Well ID:	03000003794	Permit #:	Not Reported
Owner:	Landmesser Const.	Well Depth (ft):	76
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20020602
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	72
Screen Start Depth (ft):	72	Screen End Depth (ft):	76
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth:	55	Test Hours:	.5
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	0.90909091
Rock Top (ft):	0		

AT167
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000493889

Well ID:	39000024704	Permit #:	940565
Owner:	John E. Morgan	Well Depth (ft):	52
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19950625
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	47
Screen Start Depth (ft):	47	Screen End Depth (ft):	52
Static Water Level (ft):	32	Flowing:	N
Test Drawdown Depth:	47	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AT168
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000483548

Well ID:	39000011693	Permit #:	Not Reported
Owner:	GAGE, KEITH AND TAMMY	Well Depth (ft):	70
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0877	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19970925

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	70
Screen Start Depth (ft):	65	Screen End Depth (ft):	70
Static Water Level (ft):	6	Flowing:	N
Test Drawdown Depth:	6	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

169
NNW
1 - 2 Miles
Lower

MI WELLS MI5000000393558

Well ID:	03000009147	Permit #:	Not Reported
Owner:	ALAN DAVIS	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20061024
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	35
Screen Start Depth (ft):	35	Screen End Depth (ft):	40
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	34	Test Hours:	1
Test Water Flow Rate:	7	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AR170
North
1 - 2 Miles
Lower

MI WELLS MI5000000395337

Well ID:	03000011172	Permit #:	Not Reported
Owner:	PHYLLIS WIGG	Well Depth (ft):	72
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20091125
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	68
Screen Start Depth (ft):	68	Screen End Depth (ft):	72
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.66666667
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AU171
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000392192

Well ID:	03000007625	Permit #:	Not Reported
Owner:	JASON PREUSS	Well Depth (ft):	130
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050804
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	125
Screen Start Depth (ft):	125	Screen End Depth (ft):	130
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth:	120	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AV172
NW
1 - 2 Miles
Lower

MI WELLS MI5000000395587

Well ID:	03000011451	Permit #:	Not Reported
Owner:	Jim & Pat Ferguson	Well Depth (ft):	82
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20110505
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	76
Screen Start Depth (ft):	76	Screen End Depth (ft):	82
Static Water Level (ft):	21	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AW173
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000390575

Well ID:	03000005785	Permit #:	Not Reported
Owner:	JOHN DUSSIA	Well Depth (ft):	56
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	00000000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	51
Screen Start Depth (ft):	51	Screen End Depth (ft):	56
Static Water Level (ft):	18	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AT174
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000474778

Well ID:	39000001782	Permit #:	Not Reported
Owner:	MELLITOR BLDR.	Well Depth (ft):	43
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19921129
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	39
Screen Start Depth (ft):	39	Screen End Depth (ft):	43
Static Water Level (ft):	5	Flowing:	N
Test Drawdown Depth:	5	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	830	Specific Capacity:	0
Rock Top (ft):	0		

AS175
NNE
1 - 2 Miles
Higher

MI WELLS MI5000000387199

Well ID:	03000002084	Permit #:	Not Reported
Owner:	Dale Deal	Well Depth (ft):	92.5
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1931	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20020424
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	88.5
Screen Start Depth (ft):	88.5	Screen End Depth (ft):	92.5
Static Water Level (ft):	68	Flowing:	N
Test Drawdown Depth:	68	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	16
Elevation (ft):	0	Specific Capacity:	0.88235294
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

176
WSW
1 - 2 Miles
Lower

MI WELLS MI5000000390514

Well ID:	03000005718	Permit #:	Not Reported
Owner:	RON KOTSMA	Well Depth (ft):	105
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-2067	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030811
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	105
Screen Start Depth (ft):	95	Screen End Depth (ft):	105
Static Water Level (ft):	23	Flowing:	N
Test Drawdown Depth:	90	Test Hours:	2
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

177
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000474780

Well ID:	39000001784	Permit #:	Not Reported
Owner:	DOUBLE, DAVE	Well Depth (ft):	106
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19940801
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	101
Screen Start Depth (ft):	102	Screen End Depth (ft):	106
Static Water Level (ft):	26	Flowing:	N
Test Drawdown Depth:	70	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	835	Specific Capacity:	0
Rock Top (ft):	0		

AV178
NW
1 - 2 Miles
Lower

MI WELLS MI5000000387275

Well ID:	03000002171	Permit #:	Not Reported
Owner:	Steve Richards	Well Depth (ft):	59
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20020530

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	54
Screen Start Depth (ft):	54	Screen End Depth (ft):	59
Static Water Level (ft):	24	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	19
Elevation (ft):	745	Specific Capacity:	0.6
Rock Top (ft):	0		

179
NNW
1 - 2 Miles
Lower

MI WELLS **MI5000000400123**

Well ID:	03000016498	Permit #:	w19-470
Owner:	Marjory McHugh	Well Depth (ft):	83
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20190828
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	77
Screen Start Depth (ft):	77	Screen End Depth (ft):	83
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth:	70	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AW180
WNW
1 - 2 Miles
Lower

MI WELLS **MI5000000387507**

Well ID:	03000002410	Permit #:	Not Reported
Owner:	MILDRED MITCHELL	Well Depth (ft):	60
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20000210
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	55
Screen Start Depth (ft):	55	Screen End Depth (ft):	60
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth:	55	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.36363636
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AU181
SSE
1 - 2 Miles
Higher

MI WELLS MI5000000474766

Well ID:	39000001770	Permit #:	Not Reported
Owner:	CURRY, JAN	Well Depth (ft):	156
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1288	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	00000000
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	152
Screen Start Depth (ft):	152	Screen End Depth (ft):	156
Static Water Level (ft):	80	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	30	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	870	Specific Capacity:	0
Rock Top (ft):	0		

182
NE
1 - 2 Miles
Higher

MI WELLS MI5000000399970

Well ID:	03000016328	Permit #:	Not Reported
Owner:	Tim Crookston	Well Depth (ft):	120
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1890	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20190522
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	110
Screen Start Depth (ft):	110	Screen End Depth (ft):	120
Static Water Level (ft):	66	Flowing:	N
Test Drawdown Depth:	75	Test Hours:	1
Test Water Flow Rate:	55	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AU183
SSE
1 - 2 Miles
Higher

MI WELLS MI5000000474767

Well ID:	39000001771	Permit #:	Not Reported
Owner:	BARKER BUILDERS	Well Depth (ft):	99
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19790526

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	95
Screen Start Depth (ft):	95	Screen End Depth (ft):	99
Static Water Level (ft):	60	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	870	Specific Capacity:	0
Rock Top (ft):	0		

AX184
SSE
1 - 2 Miles
Lower

MI WELLS **MI5000000491479**

Well ID:	39000021640	Permit #:	W-14-1171
Owner:	Cheryl Hilton	Well Depth (ft):	61
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20140812
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	56
Screen Start Depth (ft):	56	Screen End Depth (ft):	61
Static Water Level (ft):	27	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AY185
SSW
1 - 2 Miles
Lower

MI WELLS **MI5000000474787**

Well ID:	39000001791	Permit #:	Not Reported
Owner:	HENGA, TOM	Well Depth (ft):	42
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	JETTIN
Other Method Info:	Not Reported	Construction Date:	19850728
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	2	Casing Depth (ft):	39
Screen Start Depth (ft):	39	Screen End Depth (ft):	42
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	2
Test Water Flow Rate:	10	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	752	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AZ186
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000474786

Well ID:	39000001790	Permit #:	Not Reported
Owner:	DALRYMOLE, DAN	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Plugged/Abandoned	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19900124
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	58
Screen Start Depth (ft):	53	Screen End Depth (ft):	58
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth:	48	Test Hours:	1
Test Water Flow Rate:	45	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	772	Specific Capacity:	0
Rock Top (ft):	0		

AZ187
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000486752

Well ID:	39000015366	Permit #:	03-0562
Owner:	Dan Dalrymple	Well Depth (ft):	64
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030910
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	60
Screen Start Depth (ft):	60	Screen End Depth (ft):	64
Static Water Level (ft):	41	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	751	Specific Capacity:	0
Rock Top (ft):	0		

BA188
SSE
1 - 2 Miles
Higher

MI WELLS MI5000000484765

Well ID:	39000013021	Permit #:	2-0172
Owner:	Mark Salton	Well Depth (ft):	105
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20020503

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	100
Screen Start Depth (ft):	100	Screen End Depth (ft):	105
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth:	95	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	866	Specific Capacity:	0.31578947
Rock Top (ft):	0		

BA189
SSE
1 - 2 Miles
Higher

MI WELLS **MI5000000490580**

Well ID:	39000020619	Permit #:	w-12-1035
Owner:	Ken Devaney	Well Depth (ft):	90
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20120229
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	85
Screen Start Depth (ft):	82	Screen End Depth (ft):	90
Static Water Level (ft):	45	Flowing:	N
Test Drawdown Depth:	65	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

190
ESE
1 - 2 Miles
Higher

MI WELLS **MI5000000399348**

Well ID:	03000015627	Permit #:	WS17-1285
Owner:	Richard & Deborah Butler	Well Depth (ft):	106
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-2159	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20180228
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	101
Screen Start Depth (ft):	101	Screen End Depth (ft):	106
Static Water Level (ft):	84	Flowing:	N
Test Drawdown Depth:	87	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.22988506
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

191
East
1 - 2 Miles
Higher

MI WELLS MI5000000389969

Well ID:	03000005045	Permit #:	Not Reported
Owner:	WILLIAM ARTISCOLE	Well Depth (ft):	84
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030722
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	79
Screen Start Depth (ft):	79	Screen End Depth (ft):	84
Static Water Level (ft):	37	Flowing:	N
Test Drawdown Depth:	65	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BB192
NE
1 - 2 Miles
Higher

MI WELLS MI5000000386241

Well ID:	03000001035	Permit #:	Not Reported
Owner:	Shagbark Golf Club LLC	Well Depth (ft):	110
Well Type:	Type II Public	Other Type Info:	Not Reported
Well Status:	Inactive	Other Status Info:	Not Reported
Water Supply Serial #:	2055603	Well #:	001
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19960710
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	104
Screen Start Depth (ft):	104	Screen End Depth (ft):	110
Static Water Level (ft):	22	Flowing:	N
Test Drawdown Depth:	100	Test Hours:	2
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	27
Elevation (ft):	0	Specific Capacity:	0.4
Rock Top (ft):	0		

BB193
NE
1 - 2 Miles
Higher

MI WELLS MI5000000393835

Well ID:	03000009512	Permit #:	Not Reported
Owner:	KOZAR CONSTRUCTION	Well Depth (ft):	167
Well Type:	Test Well	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20070507

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	159
Screen Start Depth (ft):	159	Screen End Depth (ft):	167
Static Water Level (ft):	31	Flowing:	N
Test Drawdown Depth:	36	Test Hours:	4
Test Water Flow Rate:	20	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0.55555556
Rock Top (ft):	0		

BC194
SSE
1 - 2 Miles
Higher

MI WELLS **MI5000000391181**

Well ID:	03000006506	Permit #:	Not Reported
Owner:	Gerald Lewandowski	Well Depth (ft):	60
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20041022
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	55
Screen Start Depth (ft):	55	Screen End Depth (ft):	60
Static Water Level (ft):	39	Flowing:	N
Test Drawdown Depth:	53	Test Hours:	2
Test Water Flow Rate:	20	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	19
Elevation (ft):	0	Specific Capacity:	0.37735849
Rock Top (ft):	0		

BC195
SSE
1 - 2 Miles
Higher

MI WELLS **MI5000000386135**

Well ID:	03000000928	Permit #:	Not Reported
Owner:	J.P. BUILDERS INC.	Well Depth (ft):	122
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20000423
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	118
Screen Start Depth (ft):	118	Screen End Depth (ft):	122
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	900	Specific Capacity:	0.7
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BD196
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000388612

Well ID:	03000003541	Permit #:	Not Reported
Owner:	EDWARD SEHY	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20020613
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	45
Screen Start Depth (ft):	50	Screen End Depth (ft):	54
Static Water Level (ft):	24	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

197
NW
1 - 2 Miles
Lower

MI WELLS MI5000000394743

Well ID:	03000010537	Permit #:	Not Reported
Owner:	Greely Marshall	Well Depth (ft):	64
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20090424
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	59
Screen Start Depth (ft):	59	Screen End Depth (ft):	64
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	20	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AX198
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000497673

Well ID:	39000028728	Permit #:	w20-1161
Owner:	Nelson Multer	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20201016

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	54
Screen Start Depth (ft):	54	Screen End Depth (ft):	58
Static Water Level (ft):	23	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.88888889
Rock Top (ft):	0		

AY199
SSW
1 - 2 Miles
Lower

MI WELLS **MI5000000485299**

Well ID:	39000013610	Permit #:	W01-0130
Owner:	PATRICK BURNHAM	Well Depth (ft):	52
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20010402
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	47
Screen Start Depth (ft):	47	Screen End Depth (ft):	52
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	42	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BD200
WNW
1 - 2 Miles
Lower

MI WELLS **MI5000000387120**

Well ID:	03000001996	Permit #:	Not Reported
Owner:	Kerry Halstead	Well Depth (ft):	57
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20020405
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	52
Screen Start Depth (ft):	52	Screen End Depth (ft):	57
Static Water Level (ft):	17	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	3
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	19
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AZ201
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000474785

Well ID:	39000001789	Permit #:	Not Reported
Owner:	BURNHAM, PATRICK	Well Depth (ft):	25
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Driven Hand
Other Method Info:	Not Reported	Construction Date:	19880503
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	1.25	Casing Depth (ft):	25
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	760	Specific Capacity:	0
Rock Top (ft):	0		

BC202
SSE
1 - 2 Miles
Higher

MI WELLS MI5000000398407

Well ID:	03000014597	Permit #:	Not Reported
Owner:	Joey Haas	Well Depth (ft):	69
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20160725
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	63
Screen Start Depth (ft):	63	Screen End Depth (ft):	69
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AX203
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000497941

Well ID:	39000029088	Permit #:	w21-1110
Owner:	Rey Deanda	Well Depth (ft):	61
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20210511

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	57
Screen Start Depth (ft):	57	Screen End Depth (ft):	61
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.55555556
Rock Top (ft):	0		

BC204
SSE
1 - 2 Miles
Higher

MI WELLS **MI5000000493891**

Well ID:	39000024706	Permit #:	Not Reported
Owner:	Not Reported	Well Depth (ft):	76
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-2218	Drill Method:	JETTIN
Other Method Info:	Not Reported	Construction Date:	19780915
Casing Type:	Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	2	Casing Depth (ft):	76
Screen Start Depth (ft):	73	Screen End Depth (ft):	76
Static Water Level (ft):	30	Flowing:	U
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BE205
NW
1 - 2 Miles
Lower

MI WELLS **MI5000000389109**

Well ID:	03000004060	Permit #:	Not Reported
Owner:	JOHN TERMEER	Well Depth (ft):	41
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20021029
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	41
Static Water Level (ft):	15	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BC206

SE

1 - 2 Miles
Higher

MI WELLS MI5000000396506

Well ID:	03000012542	Permit #:	Not Reported
Owner:	Richard Pfau	Well Depth (ft):	126
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20130622
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	120
Screen Start Depth (ft):	120	Screen End Depth (ft):	126
Static Water Level (ft):	60	Flowing:	Y
Test Drawdown Depth:	80	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BF207

North

1 - 2 Miles
Lower

MI WELLS MI5000000389364

Well ID:	03000004323	Permit #:	Not Reported
Owner:	Perry Truitt	Well Depth (ft):	105
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030206
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	100
Screen Start Depth (ft):	100	Screen End Depth (ft):	105
Static Water Level (ft):	59	Flowing:	N
Test Drawdown Depth:	100	Test Hours:	2
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	19
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BG208

NNW

1 - 2 Miles
Lower

MI WELLS MI5000000389725

Well ID:	03000004727	Permit #:	Not Reported
Owner:	CAMERON NICHOLS	Well Depth (ft):	186
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030424

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	180
Screen Start Depth (ft):	180	Screen End Depth (ft):	186
Static Water Level (ft):	127	Flowing:	N
Test Drawdown Depth:	160	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

209
West
1 - 2 Miles
Lower

MI WELLS MI5000000388918

Well ID:	03000003864	Permit #:	Not Reported
Owner:	GARY NYBERG	Well Depth (ft):	51
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20021021
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	46
Screen Start Depth (ft):	46	Screen End Depth (ft):	51
Static Water Level (ft):	22	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.44444444
Rock Top (ft):	0		

210
NNW
1 - 2 Miles
Lower

MI WELLS MI5000000385830

Well ID:	03000000609	Permit #:	Not Reported
Owner:	JAMIE MCLAUGHLIN	Well Depth (ft):	65
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-2159	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20000316
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	45
Screen Start Depth (ft):	45	Screen End Depth (ft):	65
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth:	32	Test Hours:	2
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	745	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BE211
NW
1 - 2 Miles
Lower

MI WELLS MI5000000390182

Well ID:	03000005343	Permit #:	Not Reported
Owner:	SCOTT MCKINNEY	Well Depth (ft):	42
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030923
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	37
Screen Start Depth (ft):	37	Screen End Depth (ft):	42
Static Water Level (ft):	14	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

212
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000474796

Well ID:	39000001800	Permit #:	Not Reported
Owner:	TODD, SHERYL	Well Depth (ft):	42
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1288	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19940314
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	42
Static Water Level (ft):	8	Flowing:	N
Test Drawdown Depth:	12	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	755	Specific Capacity:	0
Rock Top (ft):	0		

213
SSW
1 - 2 Miles
Lower

MI WELLS MI5000000485274

Well ID:	39000013584	Permit #:	00-0723
Owner:	JEFF RAMSEY	Well Depth (ft):	46
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20010413

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	36
Screen Start Depth (ft):	35	Screen End Depth (ft):	46
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

214
NE
1 - 2 Miles
Higher

MI WELLS MI5000000397016

Well ID:	03000013099	Permit #:	Not Reported
Owner:	RONALD SCHEER	Well Depth (ft):	80
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2167	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20120808
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	75
Screen Start Depth (ft):	75	Screen End Depth (ft):	80
Static Water Level (ft):	19	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	2
Test Water Flow Rate:	1	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	16
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BE215
NW
1 - 2 Miles
Lower

MI WELLS MI5000000389327

Well ID:	03000004284	Permit #:	Not Reported
Owner:	DAN BURCH	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-2159	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030110
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	45
Screen Start Depth (ft):	45	Screen End Depth (ft):	50
Static Water Level (ft):	9	Flowing:	N
Test Drawdown Depth:	9	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BF216
North
1 - 2 Miles
Lower

MI WELLS MI5000000388538

Well ID:	03000003466	Permit #:	Not Reported
Owner:	JUD DEHAAN, BLDR	Well Depth (ft):	114
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20020404
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	108
Screen Start Depth (ft):	108	Screen End Depth (ft):	114
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	0.7
Rock Top (ft):	0		

BG217
NNW
1 - 2 Miles
Lower

MI WELLS MI5000000400114

Well ID:	03000016488	Permit #:	WS 19-385
Owner:	James McNees	Well Depth (ft):	65
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-2159	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20190827
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	60
Screen Start Depth (ft):	60	Screen End Depth (ft):	65
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth:	29	Test Hours:	1.5
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

218
West
1 - 2 Miles
Lower

MI WELLS MI5000000395580

Well ID:	03000011444	Permit #:	Not Reported
Owner:	Chris Erlandson	Well Depth (ft):	47
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-2159	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20110407

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	42
Screen Start Depth (ft):	42	Screen End Depth (ft):	47
Static Water Level (ft):	26	Flowing:	N
Test Drawdown Depth:	26	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BH219
SE
1 - 2 Miles
Higher

MI WELLS **MI5000000396695**

Well ID:	03000012757	Permit #:	Not Reported
Owner:	Lorraine Croy	Well Depth (ft):	70
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-2230	Drill Method:	Not Reported
Other Method Info:	Not Reported	Construction Date:	20130912
Casing Type:	Not Reported	Other Casing Info:	Not Reported
Casing Diameter (in):	0	Casing Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	0	Flowing:	Not Reported
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	Not Reported
Well Grouted:	Not Reported	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BI220
NW
1 - 2 Miles
Lower

MI WELLS **MI5000000390191**

Well ID:	03000005352	Permit #:	Not Reported
Owner:	NIEVWENHUIS INC	Well Depth (ft):	57
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20030821
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	53
Screen Start Depth (ft):	53	Screen End Depth (ft):	57
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth:	10	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	3.5
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BJ221
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000485103

Well ID:	39000013407	Permit #:	Not Reported
Owner:	ART NIGG	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20001005
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	16	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	.5
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	1
Rock Top (ft):	0		

222
WNW
1 - 2 Miles
Lower

MI WELLS MI5000000399318

Well ID:	03000015592	Permit #:	Not Reported
Owner:	JOE NIEUWENHUIS	Well Depth (ft):	41
Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	Unknown
Other Method Info:	Not Reported	Construction Date:	19470528
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	12	Casing Depth (ft):	27
Screen Start Depth (ft):	27	Screen End Depth (ft):	41
Static Water Level (ft):	12	Flowing:	N
Test Drawdown Depth:	16	Test Hours:	0
Test Water Flow Rate:	700	Test Method:	TSTPUM
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	43.75
Rock Top (ft):	0		

BK223
SE
1 - 2 Miles
Higher

MI WELLS MI5000000389583

Well ID:	03000004560	Permit #:	Not Reported
Owner:	GREG FULLER	Well Depth (ft):	98
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-2218	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20030423

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	98
Screen Start Depth (ft):	94	Screen End Depth (ft):	98
Static Water Level (ft):	58	Flowing:	N
Test Drawdown Depth:	58	Test Hours:	3
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.51724138
Rock Top (ft):	0		

224
SSE
1 - 2 Miles
Higher

MI WELLS **MI5000000474765**

Well ID:	39000001769	Permit #:	Not Reported
Owner:	LEROY, ART	Well Depth (ft):	65
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19820902
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	60
Screen Start Depth (ft):	60	Screen End Depth (ft):	65
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	50
Elevation (ft):	885	Specific Capacity:	0
Rock Top (ft):	0		

BH225
SE
1 - 2 Miles
Higher

MI WELLS **MI5000000493890**

Well ID:	390000024705	Permit #:	Not Reported
Owner:	Frag Construction	Well Depth (ft):	63
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-0267	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19790914
Casing Type:	Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	58
Screen Start Depth (ft):	58	Screen End Depth (ft):	63
Static Water Level (ft):	21	Flowing:	U
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

226

SE

**1 - 2 Miles
Higher**

MI WELLS

MI5000000400599

Well ID:	03000017025	Permit #:	w20-162
Owner:	Tyler Bowman	Well Depth (ft):	101
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20200219
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	95
Screen Start Depth (ft):	95	Screen End Depth (ft):	101
Static Water Level (ft):	61	Flowing:	N
Test Drawdown Depth:	95	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

227

NNE

**1 - 2 Miles
Higher**

MI WELLS

MI5000000392070

Well ID:	03000007471	Permit #:	Not Reported
Owner:	ROY WHITE	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050325
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	95
Screen Start Depth (ft):	95	Screen End Depth (ft):	100
Static Water Level (ft):	80	Flowing:	N
Test Drawdown Depth:	90	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BK228

SE

**1 - 2 Miles
Higher**

MI WELLS

MI5000000394143

Well ID:	03000009869	Permit #:	Na
Owner:	Eric Erickson	Well Depth (ft):	101
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1890	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20080404

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	91
Screen Start Depth (ft):	91	Screen End Depth (ft):	101
Static Water Level (ft):	71	Flowing:	N
Test Drawdown Depth:	72	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	0.69444444
Rock Top (ft):	0		

BH229
SE
1 - 2 Miles
Higher

MI WELLS **MI5000000484215**

Well ID:	39000012454	Permit #:	Not Reported
Owner:	RACHOR, JOHN	Well Depth (ft):	126
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19990126
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	122
Screen Start Depth (ft):	122	Screen End Depth (ft):	126
Static Water Level (ft):	80	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	902	Specific Capacity:	1
Rock Top (ft):	0		

BJ230
SSE
1 - 2 Miles
Lower

MI WELLS **MI5000000493886**

Well ID:	39000024701	Permit #:	9798
Owner:	Ernest Clemens	Well Depth (ft):	135
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19920219
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	131
Screen Start Depth (ft):	131	Screen End Depth (ft):	135
Static Water Level (ft):	0	Flowing:	Y
Test Drawdown Depth:	2	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

231
NNW
1 - 2 Miles
Lower

MI WELLS MI5000000392100

Well ID:	03000007502	Permit #:	Not Reported
Owner:	DOUG MACVEAN	Well Depth (ft):	60
Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050429
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	40
Screen Start Depth (ft):	40	Screen End Depth (ft):	60
Static Water Level (ft):	6	Flowing:	N
Test Drawdown Depth:	20	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

232
NW
1 - 2 Miles
Lower

MI WELLS MI5000000399130

Well ID:	03000015390	Permit #:	Not Reported
Owner:	MIKE BULF	Well Depth (ft):	38
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2308	Drill Method:	Auger/Bored
Other Method Info:	Not Reported	Construction Date:	20160218
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	34
Screen Start Depth (ft):	34	Screen End Depth (ft):	38
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth:	10	Test Hours:	5
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	3
Rock Top (ft):	0		

BL233
North
1 - 2 Miles
Lower

MI WELLS MI5000000390716

Well ID:	03000005929	Permit #:	Not Reported
Owner:	CHURCH	Well Depth (ft):	65
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	91-2135	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	00000000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	60
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BM234
ENE
1 - 2 Miles
Higher

MI WELLS **MI5000000402734**

Well ID:	08000001268	Permit #:	Not Reported
Owner:	STEVE CORBIN	Well Depth (ft):	73
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Unknown	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19980508
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	69
Screen Start Depth (ft):	69	Screen End Depth (ft):	73
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	899	Specific Capacity:	0
Rock Top (ft):	0		

BM235
ENE
1 - 2 Miles
Higher

MI WELLS **MI5000000402730**

Well ID:	08000001264	Permit #:	Not Reported
Owner:	JOE VANDENBURG	Well Depth (ft):	57
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-0261	Drill Method:	JETTIN
Other Method Info:	Not Reported	Construction Date:	19730710
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	2	Casing Depth (ft):	54
Screen Start Depth (ft):	54	Screen End Depth (ft):	57
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	10	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	920	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BI236
NW
1 - 2 Miles
Lower

MI WELLS MI5000000401147

Well ID:	03000017640	Permit #:	W21-135
Owner:	Leslie Berry	Well Depth (ft):	54
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2342	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20210212
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	44
Screen Start Depth (ft):	44	Screen End Depth (ft):	54
Static Water Level (ft):	4	Flowing:	N
Test Drawdown Depth:	13	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	2.30769231
Rock Top (ft):	0		

237
SSE
1 - 2 Miles
Lower

MI WELLS MI5000000483754

Well ID:	39000011921	Permit #:	980062
Owner:	GREGORY, BILL	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19980209
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	45
Screen Start Depth (ft):	45	Screen End Depth (ft):	50
Static Water Level (ft):	24	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	2
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.66666667
Rock Top (ft):	0		

238
SSE
2 - 3 Miles
Higher

MI WELLS MI5000000491550

Well ID:	39000021727	Permit #:	W-14-1199
Owner:	Ronald Rutgers	Well Depth (ft):	155
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-2159	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20141014

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	150
Screen Start Depth (ft):	150	Screen End Depth (ft):	155
Static Water Level (ft):	82	Flowing:	Y
Test Drawdown Depth:	82	Test Hours:	2
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BN239
SE
2 - 3 Miles
Higher

MI WELLS **MI5000000482828**

Well ID:	39000010744	Permit #:	Not Reported
Owner:	PETE HECKMAN	Well Depth (ft):	89
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Unknown	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19991111
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	85
Screen Start Depth (ft):	85	Screen End Depth (ft):	89
Static Water Level (ft):	60	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0.83333333
Rock Top (ft):	0		

BN240
SE
2 - 3 Miles
Higher

MI WELLS **MI5000000474781**

Well ID:	39000001785	Permit #:	Not Reported
Owner:	ADAMS, MIKE	Well Depth (ft):	130
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19950302
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	124
Screen Start Depth (ft):	124	Screen End Depth (ft):	130
Static Water Level (ft):	75	Flowing:	N
Test Drawdown Depth:	75	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	930	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BL241
North
2 - 3 Miles
Lower

MI WELLS MI5000000391183

Well ID:	03000006508	Permit #:	Not Reported
Owner:	RONNIE BROCK	Well Depth (ft):	80
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20041021
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	75
Screen Start Depth (ft):	75	Screen End Depth (ft):	80
Static Water Level (ft):	42	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BO242
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000393560

Well ID:	03000009149	Permit #:	Not Reported
Owner:	KEN & JILL EASTMAN	Well Depth (ft):	82
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20061030
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	77
Screen Start Depth (ft):	77	Screen End Depth (ft):	82
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	55	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

243
SE
2 - 3 Miles
Higher

MI WELLS MI5000000396362

Well ID:	03000012389	Permit #:	Not Reported
Owner:	Tim Bil	Well Depth (ft):	76
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20130117

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	70
Screen Start Depth (ft):	70	Screen End Depth (ft):	76
Static Water Level (ft):	54	Flowing:	N
Test Drawdown Depth:	66	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

244
NNW
2 - 3 Miles
Lower

MI WELLS MI5000000401206

Well ID:	03000017701	Permit #:	W21-109
Owner:	Ceres Farms, LLC	Well Depth (ft):	114
Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	91-2615	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20210224
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	10	Casing Depth (ft):	94
Screen Start Depth (ft):	94	Screen End Depth (ft):	114
Static Water Level (ft):	21.5	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	500	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	12.5
Rock Top (ft):	0		

BP245
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000412090

Well ID:	08000011589	Permit #:	B3507
Owner:	Amerifirst Flinancial	Well Depth (ft):	99
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-2247	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20110901
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	94
Screen Start Depth (ft):	94	Screen End Depth (ft):	99
Static Water Level (ft):	65	Flowing:	N
Test Drawdown Depth:	65	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

246
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000408164

Well ID:	08000007078	Permit #:	Not Reported
Owner:	WARREN BLDRS INC	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20020930
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	95
Screen Start Depth (ft):	95	Screen End Depth (ft):	100
Static Water Level (ft):	65	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BP247
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000409822

Well ID:	08000008940	Permit #:	Not Reported
Owner:	KOSTER, MILDRED	Well Depth (ft):	97
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20050202
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	93
Screen Start Depth (ft):	93	Screen End Depth (ft):	97
Static Water Level (ft):	68	Flowing:	N
Test Drawdown Depth:	88	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.45454545
Rock Top (ft):	0		

BP248
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000409613

Well ID:	08000008707	Permit #:	Not Reported
Owner:	WALTER SCHUTZ	Well Depth (ft):	112
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20040824

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	108
Screen Start Depth (ft):	108	Screen End Depth (ft):	112
Static Water Level (ft):	88	Flowing:	N
Test Drawdown Depth:	90	Test Hours:	.5
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0.55555556
Rock Top (ft):	0		

249
NNE
2 - 3 Miles
Higher

MI WELLS MI5000000393396

Well ID:	03000008959	Permit #:	Not Reported
Owner:	HOWARD PROLO	Well Depth (ft):	79
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20060823
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	74
Screen Start Depth (ft):	74	Screen End Depth (ft):	79
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BO250
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000390414

Well ID:	03000005609	Permit #:	Not Reported
Owner:	JOHN DUSSIA	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Inactive	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20040217
Casing Type:	Other	Other Casing Info:	NO CASING
Casing Diameter (in):	0	Casing Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	0	Flowing:	N
Test Drawdown Depth:	63	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	Not Reported
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	83		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BQ251
WSW
2 - 3 Miles
Lower

MI WELLS MI5000000387298

Well ID:	03000002197	Permit #:	Not Reported
Owner:	VELMA HICKS-TRUSTEE	Well Depth (ft):	34
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20001209
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	30
Screen Start Depth (ft):	30	Screen End Depth (ft):	34
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth:	25	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	1.2
Rock Top (ft):	0		

BP252
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000407419

Well ID:	08000006306	Permit #:	B29 15 0
Owner:	JEFF MAUCHMAR	Well Depth (ft):	110
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20010710
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	100
Screen Start Depth (ft):	100	Screen End Depth (ft):	105
Static Water Level (ft):	80	Flowing:	N
Test Drawdown Depth:	90	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	16
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

253
ENE
2 - 3 Miles
Higher

MI WELLS MI5000000414590

Well ID:	08000014566	Permit #:	B8333
Owner:	JOHN VANDERBEEH	Well Depth (ft):	125
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	00-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20160425

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	121
Screen Start Depth (ft):	121	Screen End Depth (ft):	125
Static Water Level (ft):	42	Flowing:	U
Test Drawdown Depth:	45	Test Hours:	.5
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	1.11111111
Rock Top (ft):	0		

BR254
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000474770

Well ID:	39000001774	Permit #:	Not Reported
Owner:	ROBERTS, LEWIS	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	43-0436	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19880121
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	45
Screen Start Depth (ft):	45	Screen End Depth (ft):	50
Static Water Level (ft):	13	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	.5
Test Water Flow Rate:	30	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	800	Specific Capacity:	0
Rock Top (ft):	0		

255
East
2 - 3 Miles
Higher

MI WELLS MI5000000409808

Well ID:	08000008926	Permit #:	Not Reported
Owner:	LOUIS MAURER	Well Depth (ft):	94
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20050505
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	90
Screen Start Depth (ft):	90	Screen End Depth (ft):	94
Static Water Level (ft):	64	Flowing:	N
Test Drawdown Depth:	85	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	14
Elevation (ft):	902	Specific Capacity:	0.47058824
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BS256
North
2 - 3 Miles
Lower

MI WELLS MI5000000392477

Well ID:	03000007941	Permit #:	Not Reported
Owner:	MIKE PRATT	Well Depth (ft):	70
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20051005
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	65
Screen Start Depth (ft):	65	Screen End Depth (ft):	70
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	768	Specific Capacity:	0
Rock Top (ft):	0		

257
ENE
2 - 3 Miles
Higher

MI WELLS MI5000000402729

Well ID:	08000001263	Permit #:	Not Reported
Owner:	ANDY SPARKS	Well Depth (ft):	57
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-0261	Drill Method:	JETTIN
Other Method Info:	Not Reported	Construction Date:	19730707
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	2	Casing Depth (ft):	54
Screen Start Depth (ft):	54	Screen End Depth (ft):	57
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	1
Test Water Flow Rate:	10	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	910	Specific Capacity:	0
Rock Top (ft):	0		

BQ258
WSW
2 - 3 Miles
Lower

MI WELLS MI5000000388920

Well ID:	03000003866	Permit #:	Not Reported
Owner:	DAVE STEELE	Well Depth (ft):	35
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20020928

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	30
Screen Start Depth (ft):	30	Screen End Depth (ft):	35
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth:	25	Test Hours:	2
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	19
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

259
West
2 - 3 Miles
Lower

MI WELLS MI5000000399098

Well ID:	03000015352	Permit #:	W17-1110
Owner:	Linda Burkette	Well Depth (ft):	41
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20170925
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	35
Screen Start Depth (ft):	35	Screen End Depth (ft):	41
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	34	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BT260
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000415017

Well ID:	08000015036	Permit #:	ww21-00107
Owner:	John Buchin	Well Depth (ft):	94
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20210326
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	90
Screen Start Depth (ft):	90	Screen End Depth (ft):	94
Static Water Level (ft):	51	Flowing:	N
Test Drawdown Depth:	85	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.47058824
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BS261
North
2 - 3 Miles
Lower

MI WELLS MI5000000389751

Well ID:	03000004757	Permit #:	Not Reported
Owner:	TOM TERMEER	Well Depth (ft):	120
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030414
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	100
Screen Start Depth (ft):	100	Screen End Depth (ft):	120
Static Water Level (ft):	27	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BU262
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000397757

Well ID:	03000013890	Permit #:	Not Reported
Owner:	C L KRUIHOFF BUILDING CO.	Well Type:	Household
Well Depth (ft):	52	Well Status:	Active
Other Type Info:	Not Reported	Water Supply Serial #:	0
Other Status Info:	Not Reported	Driller ID:	03-0458
Well #:	Not Reported	Other Method Info:	Not Reported
Drill Method:	ROTARY	Casing Type:	PVC Plastic
Construction Date:	20141016	Casing Diameter (in):	5
Other Casing Info:	Not Reported	Screen Start Depth (ft):	42
Casing Depth (ft):	42	Static Water Level (ft):	20
Screen End Depth (ft):	52	Test Drawdown Depth:	20
Flowing:	N	Test Water Flow Rate:	50
Test Hours:	1	Well Grouted:	Y
Test Method:	AIR	Elevation (ft):	0
Pump Capacity (gpm):	20	Rock Top (ft):	0
Specific Capacity:	0		

BV263
West
2 - 3 Miles
Lower

MI WELLS MI5000000390906

Well ID:	03000006173	Permit #:	Not Reported
Owner:	EUGENE LAWS	Well Depth (ft):	39
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1984	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20040413

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	35
Screen Start Depth (ft):	35	Screen End Depth (ft):	39
Static Water Level (ft):	24	Flowing:	N
Test Drawdown Depth:	26	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	1.15384615
Rock Top (ft):	0		

BW264
ESE
2 - 3 Miles
Higher

MI WELLS **MI5000000414352**

Well ID:	08000014286	Permit #:	ww18-506
Owner:	Katie Hoover	Well Depth (ft):	90
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20190110
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	84
Screen Start Depth (ft):	84	Screen End Depth (ft):	90
Static Water Level (ft):	52	Flowing:	N
Test Drawdown Depth:	80	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BX265
NW
2 - 3 Miles
Lower

MI WELLS **MI5000000392743**

Well ID:	03000008236	Permit #:	Not Reported
Owner:	RICHARD KINSEY	Well Depth (ft):	39
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20051230
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	34
Screen Start Depth (ft):	34	Screen End Depth (ft):	39
Static Water Level (ft):	4	Flowing:	N
Test Drawdown Depth:	35	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BR266
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000474771

Well ID:	39000001775	Permit #:	Not Reported
Owner:	ROBERTS, LEWIS	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	43-0436	Drill Method:	Auger/Bored
Other Method Info:	Not Reported	Construction Date:	19890117
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	45
Screen Start Depth (ft):	45	Screen End Depth (ft):	50
Static Water Level (ft):	15	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	800	Specific Capacity:	0
Rock Top (ft):	0		

BT267
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000402807

Well ID:	08000001378	Permit #:	Not Reported
Owner:	J HYNES	Well Depth (ft):	67
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Unknown	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1711	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19901105
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	63
Screen Start Depth (ft):	63	Screen End Depth (ft):	67
Static Water Level (ft):	37	Flowing:	N
Test Drawdown Depth:	37	Test Hours:	.5
Test Water Flow Rate:	60	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BW268
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000402803

Well ID:	08000001374	Permit #:	Not Reported
Owner:	DONALD MACOMRER	Well Depth (ft):	83
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-0267	Drill Method:	JETTIN
Other Method Info:	Not Reported	Construction Date:	19720627

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	2	Casing Depth (ft):	80
Screen Start Depth (ft):	80	Screen End Depth (ft):	83
Static Water Level (ft):	70	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	950	Specific Capacity:	0
Rock Top (ft):	0		

269
SSW
2 - 3 Miles
Lower

MI WELLS MI5000000482785

Well ID:	39000010700	Permit #:	990650
Owner:	Malcolm Smith	Well Depth (ft):	51
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19991223
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	46
Screen Start Depth (ft):	46	Screen End Depth (ft):	51
Static Water Level (ft):	19	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	19
Elevation (ft):	750	Specific Capacity:	0
Rock Top (ft):	0		

BY270
West
2 - 3 Miles
Lower

MI WELLS MI5000000391893

Well ID:	03000007276	Permit #:	Not Reported
Owner:	ROB PIKE	Well Depth (ft):	37
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050223
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	32
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	23	Flowing:	N
Test Drawdown Depth:	34	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BX271
NW
2 - 3 Miles
Lower

MI WELLS MI5000000395699

Well ID:	03000011568	Permit #:	Not Reported
Owner:	Ryan meert	Well Depth (ft):	60
Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20110624
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	6	Casing Depth (ft):	40
Screen Start Depth (ft):	40	Screen End Depth (ft):	60
Static Water Level (ft):	3	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	2
Test Water Flow Rate:	500	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	200
Elevation (ft):	0	Specific Capacity:	8.33333333
Rock Top (ft):	0		

BS272
North
2 - 3 Miles
Lower

MI WELLS MI5000000395783

Well ID:	03000011654	Permit #:	Not Reported
Owner:	Ron Rynbrandt	Well Depth (ft):	84
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20110812
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	77
Screen Start Depth (ft):	77	Screen End Depth (ft):	84
Static Water Level (ft):	36	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BZ273
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000493884

Well ID:	39000024699	Permit #:	Not Reported
Owner:	Don Hayward	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	00-0393	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19901115

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	53
Screen Start Depth (ft):	53	Screen End Depth (ft):	58
Static Water Level (ft):	33	Flowing:	N
Test Drawdown Depth:	33	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BU274
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000401080

Well ID:	03000017564	Permit #:	ws20-239
Owner:	Amber Wanamaker	Well Depth (ft):	49
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20201210
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	41
Screen Start Depth (ft):	41	Screen End Depth (ft):	49
Static Water Level (ft):	24	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

275
NE
2 - 3 Miles
Higher

MI WELLS MI5000000392239

Well ID:	03000007675	Permit #:	Not Reported
Owner:	TIM ADAMS	Well Depth (ft):	97
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050726
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	91
Screen Start Depth (ft):	91	Screen End Depth (ft):	97
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth:	90	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BZ276
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000491054

Well ID:	39000021166	Permit #:	w-13-1134
Owner:	David Culver	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-2230	Drill Method:	Not Reported
Other Method Info:	Not Reported	Construction Date:	20130627
Casing Type:	Not Reported	Other Casing Info:	Not Reported
Casing Diameter (in):	0	Casing Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	0	Flowing:	Not Reported
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	Not Reported
Well Grouted:	Not Reported	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BZ277
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000491375

Well ID:	39000021533	Permit #:	W13-1134
Owner:	DAVE CULVER	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20130627
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth:	12	Test Hours:	.5
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	4.16666667
Rock Top (ft):	0		

BY278
West
2 - 3 Miles
Lower

MI WELLS MI5000000391981

Well ID:	03000007375	Permit #:	Not Reported
Owner:	Tammy Marshall	Well Depth (ft):	36
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20050607

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	31
Screen Start Depth (ft):	31	Screen End Depth (ft):	36
Static Water Level (ft):	23	Flowing:	N
Test Drawdown Depth:	23	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CA279
West
2 - 3 Miles
Lower

MI WELLS **MI5000000390102**

Well ID:	03000005190	Permit #:	Not Reported
Owner:	MIKE HUNT	Well Depth (ft):	45
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20030912
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	40
Screen Start Depth (ft):	40	Screen End Depth (ft):	45
Static Water Level (ft):	23	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

280
ESE
2 - 3 Miles
Higher

MI WELLS **MI5000000413593**

Well ID:	08000013422	Permit #:	Not Reported
Owner:	Mark Kemp	Well Depth (ft):	145
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20161207
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	139
Screen Start Depth (ft):	139	Screen End Depth (ft):	145
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth:	135	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

281
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000400210

Well ID:	03000016610	Permit #:	ws19-365
Owner:	Jim Wheaton	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20191021
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	35	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	1.14285714
Rock Top (ft):	0		

BY282
West
2 - 3 Miles
Lower

MI WELLS MI5000000389794

Well ID:	03000004801	Permit #:	Not Reported
Owner:	Steve Marciniak	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20030723
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	45
Screen Start Depth (ft):	45	Screen End Depth (ft):	50
Static Water Level (ft):	13	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	2
Test Water Flow Rate:	33	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.73333333
Rock Top (ft):	0		

283
South
2 - 3 Miles
Lower

MI WELLS MI5000000487078

Well ID:	39000015772	Permit #:	W-03-0382
Owner:	RANDY MEITZ	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1288	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20030630

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	54
Screen Start Depth (ft):	54	Screen End Depth (ft):	58
Static Water Level (ft):	32	Flowing:	N
Test Drawdown Depth:	33	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0.90909091
Rock Top (ft):	0		

CB284
WSW
2 - 3 Miles
Lower

MI WELLS **MI5000000396709**

Well ID:	03000012771	Permit #:	Not Reported
Owner:	Tom Chapman	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20131017
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	52
Screen Start Depth (ft):	52	Screen End Depth (ft):	58
Static Water Level (ft):	12	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	15
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

BY285
West
2 - 3 Miles
Lower

MI WELLS **MI5000000389793**

Well ID:	03000004800	Permit #:	Not Reported
Owner:	Stephanie Braun	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20030618
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	45
Screen Start Depth (ft):	45	Screen End Depth (ft):	50
Static Water Level (ft):	13	Flowing:	N
Test Drawdown Depth:	42	Test Hours:	2
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.71428571
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

CC286
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000392238

Well ID:	03000007674	Permit #:	Not Reported
Owner:	BRIAN MCHUGH	Well Depth (ft):	39
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20050719
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	35
Screen Start Depth (ft):	35	Screen End Depth (ft):	39
Static Water Level (ft):	13	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

287
ENE
2 - 3 Miles
Higher

MI WELLS MI5000000413156

Well ID:	08000012877	Permit #:	B20385
Owner:	Steve Norris	Well Depth (ft):	130
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2166	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20150727
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	130
Screen Start Depth (ft):	124	Screen End Depth (ft):	130
Static Water Level (ft):	45	Flowing:	N
Test Drawdown Depth:	130	Test Hours:	2
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CD288
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000474772

Well ID:	39000001776	Permit #:	Not Reported
Owner:	HAYWARD, D.	Well Depth (ft):	59
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	43-0436	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19890301

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	54
Screen Start Depth (ft):	54	Screen End Depth (ft):	59
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	50	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	820	Specific Capacity:	0
Rock Top (ft):	0		

CC289
WNW
2 - 3 Miles
Lower

MI WELLS **MI5000000390749**

Well ID:	03000005962	Permit #:	Not Reported
Owner:	J.P. BUILDERS	Well Depth (ft):	101
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20031125
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	97
Screen Start Depth (ft):	97	Screen End Depth (ft):	101
Static Water Level (ft):	60	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.58333333
Rock Top (ft):	0		

CC290
WNW
2 - 3 Miles
Lower

MI WELLS **MI5000000390598**

Well ID:	03000005808	Permit #:	Not Reported
Owner:	J.P. BUILDERS	Well Depth (ft):	101
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20031125
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	97
Screen Start Depth (ft):	97	Screen End Depth (ft):	101
Static Water Level (ft):	60	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.58333333
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

BV291
West
2 - 3 Miles
Lower

MI WELLS MI5000000396373

Well ID:	03000012402	Permit #:	Not Reported
Owner:	Rennie Ransbottom	Well Depth (ft):	35
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20130205
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	30
Screen Start Depth (ft):	30	Screen End Depth (ft):	35
Static Water Level (ft):	21	Flowing:	N
Test Drawdown Depth:	27	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CA292
West
2 - 3 Miles
Lower

MI WELLS MI5000000392593

Well ID:	03000008059	Permit #:	Not Reported
Owner:	Lou Anderson	Well Depth (ft):	41
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20051223
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	41
Static Water Level (ft):	22	Flowing:	Y
Test Drawdown Depth:	22	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CE293
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000402806

Well ID:	08000001377	Permit #:	Not Reported
Owner:	WES L DILNO	Well Depth (ft):	80
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-0488	Drill Method:	Hollow Rod
Other Method Info:	Not Reported	Construction Date:	19780530

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	2	Casing Depth (ft):	76
Screen Start Depth (ft):	76	Screen End Depth (ft):	80
Static Water Level (ft):	49	Flowing:	N
Test Drawdown Depth:	70	Test Hours:	1
Test Water Flow Rate:	12	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	965	Specific Capacity:	0
Rock Top (ft):	0		

CA294
West
2 - 3 Miles
Lower

MI WELLS MI5000000396606

Well ID:	03000012662	Permit #:	Not Reported
Owner:	Greg Decker	Well Depth (ft):	104
Well Type:	Test Well	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20130819
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	100
Screen Start Depth (ft):	100	Screen End Depth (ft):	104
Static Water Level (ft):	22.5	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	4
Test Water Flow Rate:	20	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0.33333333
Rock Top (ft):	0		

CE295
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000402813

Well ID:	08000001384	Permit #:	Not Reported
Owner:	STANLEY VANDREY	Well Depth (ft):	59
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1696	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19890418
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	0	Casing Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	0	Flowing:	Y
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	500	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

CB296
WSW
2 - 3 Miles
Lower

MI WELLS MI5000000393157

Well ID:	03000008704	Permit #:	Not Reported
Owner:	RON ROOT	Well Depth (ft):	59
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20060603
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	54
Screen Start Depth (ft):	54	Screen End Depth (ft):	59
Static Water Level (ft):	14	Flowing:	N
Test Drawdown Depth:	55	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

297
NNE
2 - 3 Miles
Higher

MI WELLS MI5000000399465

Well ID:	03000015763	Permit #:	WS 17-1416
Owner:	BEN ULLMAN	Well Depth (ft):	105
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-2335	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20180502
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	100
Screen Start Depth (ft):	101	Screen End Depth (ft):	105
Static Water Level (ft):	55	Flowing:	N
Test Drawdown Depth:	80	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CD298
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000474783

Well ID:	39000001787	Permit #:	Not Reported
Owner:	MARSHALL, GREELEY	Well Depth (ft):	72
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19950511

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	66
Screen Start Depth (ft):	66	Screen End Depth (ft):	72
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	10	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	820	Specific Capacity:	0
Rock Top (ft):	0		

299
West
2 - 3 Miles
Lower

MI WELLS MI5000000386243

Well ID:	03000001037	Permit #:	Not Reported
Owner:	John Panchuck/Sharon fisher	Well Type:	Type II Public
Well Depth (ft):	37	Well Status:	Inactive
Other Type Info:	Not Reported	Water Supply Serial #:	2049303
Other Status Info:	Not Reported	Driller ID:	39-1288
Well #:	001	Other Method Info:	Not Reported
Drill Method:	ROTARY	Casing Type:	PVC Plastic
Construction Date:	19931130	Casing Diameter (in):	5
Other Casing Info:	Not Reported	Screen Start Depth (ft):	31
Casing Depth (ft):	31	Static Water Level (ft):	12
Screen End Depth (ft):	37	Test Drawdown Depth:	20
Flowing:	N	Test Water Flow Rate:	40
Test Hours:	1	Well Grouted:	Y
Test Method:	UNK	Elevation (ft):	748
Pump Capacity (gpm):	20	Rock Top (ft):	0
Specific Capacity:	0		

300
WSW
2 - 3 Miles
Lower

MI WELLS MI5000000391233

Well ID:	03000006560	Permit #:	Not Reported
Owner:	JAN STUART	Well Depth (ft):	106
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20041110
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	101
Screen Start Depth (ft):	301	Screen End Depth (ft):	106
Static Water Level (ft):	16	Flowing:	N
Test Drawdown Depth:	101	Test Hours:	2
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.34653465
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

CE301
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000412512

Well ID:	08000012086	Permit #:	B20201
Owner:	TODD TERAVEST	Well Depth (ft):	145
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20130806
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	140
Screen Start Depth (ft):	141	Screen End Depth (ft):	145
Static Water Level (ft):	61	Flowing:	N
Test Drawdown Depth:	135	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CE302
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000412589

Well ID:	08000012167	Permit #:	B20201
Owner:	TODD TERAVEST	Well Depth (ft):	156
Well Type:	Test Well	Other Type Info:	Not Reported
Well Status:	Plugged/Abandoned	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20130731
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	151
Screen Start Depth (ft):	152	Screen End Depth (ft):	156
Static Water Level (ft):	61	Flowing:	N
Test Drawdown Depth:	132	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CE303
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000412658

Well ID:	08000012245	Permit #:	B20201
Owner:	TODD TERAVEST	Well Depth (ft):	0
Well Type:	Unknown	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1972	Drill Method:	Not Reported
Other Method Info:	Not Reported	Construction Date:	20130731

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Not Reported	Other Casing Info:	Not Reported
Casing Diameter (in):	0	Casing Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	0	Flowing:	Not Reported
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	Not Reported
Well Grouted:	Not Reported	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

304
WNW
2 - 3 Miles
Lower

MI WELLS **MI5000000391178**

Well ID:	03000006503	Permit #:	Not Reported
Owner:	Ray Forney	Well Depth (ft):	55
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20041020
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	50
Screen Start Depth (ft):	50	Screen End Depth (ft):	55
Static Water Level (ft):	13	Flowing:	N
Test Drawdown Depth:	13	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CC305
WNW
2 - 3 Miles
Lower

MI WELLS **MI5000000386700**

Well ID:	03000001561	Permit #:	Not Reported
Owner:	JAMES KERSLOW	Well Depth (ft):	55
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20000426
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	50
Screen Start Depth (ft):	50	Screen End Depth (ft):	55
Static Water Level (ft):	19	Flowing:	N
Test Drawdown Depth:	50	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.6
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

306
North
2 - 3 Miles
Lower

MI WELLS MI5000000390719

Well ID:	03000005932	Permit #:	Not Reported
Owner:	LEE APPLGATE	Well Depth (ft):	76
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2165	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20030910
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	71
Screen Start Depth (ft):	71	Screen End Depth (ft):	76
Static Water Level (ft):	45	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CF307
West
2 - 3 Miles
Lower

MI WELLS MI5000000400596

Well ID:	03000017021	Permit #:	w20-154
Owner:	Dan McRae	Well Depth (ft):	43
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20200218
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	39
Screen Start Depth (ft):	39	Screen End Depth (ft):	43
Static Water Level (ft):	24	Flowing:	N
Test Drawdown Depth:	39	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CG308
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000394006

Well ID:	03000009711	Permit #:	Not Reported
Owner:	Brickstone Construction Co.	Well Type:	Household
Well Depth (ft):	35	Well Status:	Active
Other Type Info:	Not Reported	Water Supply Serial #:	0
Other Status Info:	Not Reported	Driller ID:	75-1794
Well #:	Not Reported	Other Method Info:	Not Reported
Drill Method:	ROTARY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Date:	20070821	Casing Type:	PVC Plastic
Other Casing Info:	Not Reported	Casing Diameter (in):	5
Casing Depth (ft):	30	Screen Start Depth (ft):	30
Screen End Depth (ft):	35	Static Water Level (ft):	10
Flowing:	N	Test Drawdown Depth:	0
Test Hours:	1	Test Water Flow Rate:	25
Test Method:	AIR	Well Grouted:	Y
Pump Capacity (gpm):	12	Elevation (ft):	0
Specific Capacity:	0	Rock Top (ft):	0

CF309
West
2 - 3 Miles
Lower

MI WELLS **MI5000000396139**

Well ID:	03000012131	Permit #:	Not Reported
Owner:	Franklin Hinds	Well Depth (ft):	42
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2274	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20120717
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	37
Screen Start Depth (ft):	37	Screen End Depth (ft):	42
Static Water Level (ft):	22	Flowing:	N
Test Drawdown Depth:	22	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

310
East
2 - 3 Miles
Higher

MI WELLS **MI5000000402798**

Well ID:	08000001334	Permit #:	Not Reported
Owner:	KAVCO CO	Well Depth (ft):	100
Well Type:	Test Well	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	00000000
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	90
Screen Start Depth (ft):	90	Screen End Depth (ft):	100
Static Water Level (ft):	85	Flowing:	N
Test Drawdown Depth:	85	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	960	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

CG311
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000395109

Well ID:	03000010935	Permit #:	Not Reported
Owner:	DAVE ROBERTS BLDRS	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20090715
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	9	Flowing:	N
Test Drawdown Depth:	12	Test Hours:	.5
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	0	Specific Capacity:	4.16666667
Rock Top (ft):	0		

312
NW
2 - 3 Miles
Lower

MI WELLS MI5000000388269

Well ID:	03000003192	Permit #:	Not Reported
Owner:	MAURY & SHIRLEY THOMPSON	Well Depth (ft):	67
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-2099	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20010625
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	63
Screen Start Depth (ft):	63	Screen End Depth (ft):	67
Static Water Level (ft):	10.37	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CH313
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000395999

Well ID:	03000011978	Permit #:	Not Reported
Owner:	Water Worx Well Drilling	Well Depth (ft):	65
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2274	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20120325

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	60
Screen Start Depth (ft):	60	Screen End Depth (ft):	65
Static Water Level (ft):	13	Flowing:	N
Test Drawdown Depth:	13	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

314
SE
2 - 3 Miles
Higher

MI WELLS MI5000000493874

Well ID:	39000024688	Permit #:	Not Reported
Owner:	N. Duncan	Well Depth (ft):	73
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19950913
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	69
Screen Start Depth (ft):	69	Screen End Depth (ft):	73
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CI315
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000474779

Well ID:	39000001783	Permit #:	Not Reported
Owner:	FOSTER, DAN	Well Depth (ft):	86
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	43-0436	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19940826
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	82
Screen Start Depth (ft):	82	Screen End Depth (ft):	86
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	50	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	815	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

CH316
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000396006

Well ID:	03000011985	Permit #:	Not Reported
Owner:	LARRY JOHNSON	Well Depth (ft):	65
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-2498	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20120326
Casing Type:	Not Reported	Other Casing Info:	Not Reported
Casing Diameter (in):	0	Casing Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	0	Flowing:	Not Reported
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	0	Test Method:	Not Reported
Well Grouted:	Not Reported	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

317
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000483320

Well ID:	39000011452	Permit #:	Not Reported
Owner:	BRUST, TODD	Well Depth (ft):	54
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19961218
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	50
Screen Start Depth (ft):	50	Screen End Depth (ft):	54
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

318
NNE
2 - 3 Miles
Higher

MI WELLS MI5000000390982

Well ID:	03000006290	Permit #:	Not Reported
Owner:	MATT DESKEN	Well Depth (ft):	90
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20040601

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	85
Screen Start Depth (ft):	85	Screen End Depth (ft):	90
Static Water Level (ft):	37	Flowing:	N
Test Drawdown Depth:	80	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

319
West
2 - 3 Miles
Lower

MI WELLS MI5000000395991

Well ID:	03000011968	Permit #:	Not Reported
Owner:	O'brien Real Estate	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20120312
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	35
Screen Start Depth (ft):	35	Screen End Depth (ft):	40
Static Water Level (ft):	18	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CF320
West
2 - 3 Miles
Lower

MI WELLS MI5000000391397

Well ID:	03000006730	Permit #:	Not Reported
Owner:	SHUMAKER, JOHN	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20040629
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	18	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	1.33333333
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

CI321
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000484451

Well ID:	39000012697	Permit #:	Not Reported
Owner:	MARSHALL. EVA	Well Depth (ft):	119
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19990517
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	114
Screen Start Depth (ft):	114	Screen End Depth (ft):	119
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CJ322
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000395976

Well ID:	03000011952	Permit #:	Not Reported
Owner:	Meert Farms	Well Depth (ft):	68
Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20120224
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	60
Screen Start Depth (ft):	60	Screen End Depth (ft):	68
Static Water Level (ft):	16	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

323
ENE
2 - 3 Miles
Higher

MI WELLS MI5000000412222

Well ID:	08000011738	Permit #:	Not Reported
Owner:	RON SHERER	Well Depth (ft):	137
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	41-2028	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20121030

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	130
Screen Start Depth (ft):	130	Screen End Depth (ft):	137
Static Water Level (ft):	43	Flowing:	N
Test Drawdown Depth:	135	Test Hours:	1
Test Water Flow Rate:	115	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CK324
SE
2 - 3 Miles
Higher

MI WELLS MI5000000474759

Well ID:	39000001763	Permit #:	Not Reported
Owner:	STOUT, JOSEPH	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1711	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	00000000
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth:	10	Test Hours:	.5
Test Water Flow Rate:	50	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	900	Specific Capacity:	0
Rock Top (ft):	0		

325
North
2 - 3 Miles
Lower

MI WELLS MI5000000400028

Well ID:	03000016389	Permit #:	w19-324
Owner:	Brian Nichols	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20190619
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	42
Screen Start Depth (ft):	42	Screen End Depth (ft):	50
Static Water Level (ft):	17	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0.44444444
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

326
NE
2 - 3 Miles
Higher

MI WELLS MI5000000386245

Well ID:	03000001039	Permit #:	Not Reported
Owner:	Doster Country Store	Well Depth (ft):	122
Well Type:	Type II Public	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	2010203	Well #:	001
Driller ID:	08-1771	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19970410
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	118
Screen Start Depth (ft):	118	Screen End Depth (ft):	122
Static Water Level (ft):	31	Flowing:	N
Test Drawdown Depth:	31	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	899	Specific Capacity:	1.61290323
Rock Top (ft):	0		

327
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000402805

Well ID:	08000001376	Permit #:	Not Reported
Owner:	FRED MARVIN TAYLOR	Well Depth (ft):	96
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-0488	Drill Method:	Hollow Rod
Other Method Info:	Not Reported	Construction Date:	19740927
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	90
Screen Start Depth (ft):	90	Screen End Depth (ft):	96
Static Water Level (ft):	66	Flowing:	N
Test Drawdown Depth:	88	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	930	Specific Capacity:	0
Rock Top (ft):	0		

CJ328
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000393564

Well ID:	03000009153	Permit #:	Not Reported
Owner:	KEVIN MERRITT	Well Depth (ft):	64
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20061012

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	59
Screen Start Depth (ft):	59	Screen End Depth (ft):	64
Static Water Level (ft):	22	Flowing:	N
Test Drawdown Depth:	46	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CL329
South
2 - 3 Miles
Lower

MI WELLS **MI5000000490573**

Well ID:	39000020609	Permit #:	03-01 75
Owner:	LEWIS SAGE	Well Depth (ft):	35
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20030716
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	31
Screen Start Depth (ft):	31	Screen End Depth (ft):	35
Static Water Level (ft):	17	Flowing:	N
Test Drawdown Depth:	17	Test Hours:	1
Test Water Flow Rate:	35	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	2.05882353
Rock Top (ft):	0		

330
SSW
2 - 3 Miles
Lower

MI WELLS **MI5000000484959**

Well ID:	39000013239	Permit #:	Not Reported
Owner:	POTTS, DON	Well Depth (ft):	45
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19991110
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	40
Screen Start Depth (ft):	40	Screen End Depth (ft):	45
Static Water Level (ft):	9	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

331
SSW
2 - 3 Miles
Lower

MI WELLS MI5000000489576

Well ID:	39000019377	Permit #:	8030
Owner:	CHRIS QUERTERMUS	Well Depth (ft):	38
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20081001
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	33
Screen Start Depth (ft):	34	Screen End Depth (ft):	38
Static Water Level (ft):	6	Flowing:	N
Test Drawdown Depth:	25	Test Hours:	1
Test Water Flow Rate:	100	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

332
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000410036

Well ID:	08000009234	Permit #:	Not Reported
Owner:	MAVRICK WHITNEY	Well Depth (ft):	76
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2308	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20050906
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	72
Screen Start Depth (ft):	72	Screen End Depth (ft):	76
Static Water Level (ft):	45	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	0
Test Water Flow Rate:	40	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	984	Specific Capacity:	0
Rock Top (ft):	0		

CK333
SE
2 - 3 Miles
Higher

MI WELLS MI5000000493878

Well ID:	39000024692	Permit #:	Not Reported
Owner:	Joseph Stout	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1711	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	00000000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth:	10	Test Hours:	.5
Test Water Flow Rate:	50	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CI334
SSE
2 - 3 Miles
Lower

MI WELLS **MI5000000484404**

Well ID:	39000012650	Permit #:	Not Reported
Owner:	MARSHALL, EVA	Well Depth (ft):	112
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19990421
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	107
Screen Start Depth (ft):	107	Screen End Depth (ft):	112
Static Water Level (ft):	34	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CL335
South
2 - 3 Miles
Lower

MI WELLS **MI5000000474789**

Well ID:	39000001793	Permit #:	Not Reported
Owner:	PRESLEY, RICK	Well Depth (ft):	121
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19951028
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	80
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	6	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	2
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	7
Elevation (ft):	740	Specific Capacity:	0
Rock Top (ft):	68		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

CL336
South
2 - 3 Miles
Lower

MI WELLS MI5000000474784

Well ID:	39000001788	Permit #:	Not Reported
Owner:	OSBORN, TOM	Well Depth (ft):	29
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-0488	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19730414
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	2	Casing Depth (ft):	25
Screen Start Depth (ft):	25	Screen End Depth (ft):	29
Static Water Level (ft):	8	Flowing:	N
Test Drawdown Depth:	20	Test Hours:	1
Test Water Flow Rate:	10	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	740	Specific Capacity:	0
Rock Top (ft):	0		

337
SSW
2 - 3 Miles
Lower

MI WELLS MI5000000494113

Well ID:	39000024940	Permit #:	Not Reported
Owner:	Gerald Gernoot	Well Depth (ft):	49
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1711	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19910405
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	45
Screen Start Depth (ft):	45	Screen End Depth (ft):	49
Static Water Level (ft):	7	Flowing:	N
Test Drawdown Depth:	7	Test Hours:	.5
Test Water Flow Rate:	60	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CL338
South
2 - 3 Miles
Lower

MI WELLS MI5000000494082

Well ID:	39000024905	Permit #:	Not Reported
Owner:	Harold A DeHollander	Well Depth (ft):	28
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	Hollow Rod
Other Method Info:	Not Reported	Construction Date:	19731109

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	2	Casing Depth (ft):	25
Screen Start Depth (ft):	25	Screen End Depth (ft):	29
Static Water Level (ft):	12	Flowing:	N
Test Drawdown Depth:	24	Test Hours:	1
Test Water Flow Rate:	12	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CM339
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000483588

Well ID:	39000011737	Permit #:	Not Reported
Owner:	MARSHALL, GREELEY	Well Depth (ft):	52
Well Type:	Type III Public	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19971015
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	48
Screen Start Depth (ft):	48	Screen End Depth (ft):	52
Static Water Level (ft):	13	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CM340
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000484750

Well ID:	39000013006	Permit #:	Not Reported
Owner:	MARSHALL, EVA	Well Depth (ft):	64
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19990818
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	59
Screen Start Depth (ft):	59	Screen End Depth (ft):	64
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

341
West
2 - 3 Miles
Lower

MI WELLS MI5000000393154

Well ID:	03000008701	Permit #:	Not Reported
Owner:	DON TUNGATE	Well Depth (ft):	35
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20060523
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	30
Screen Start Depth (ft):	30	Screen End Depth (ft):	35
Static Water Level (ft):	15	Flowing:	N
Test Drawdown Depth:	22	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

342
WNW
2 - 3 Miles
Lower

MI WELLS MI5000000388194

Well ID:	03000003115	Permit #:	Not Reported
Owner:	RYAN MEERT	Well Depth (ft):	33
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20011031
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	28
Screen Start Depth (ft):	28	Screen End Depth (ft):	33
Static Water Level (ft):	12	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

343
West
2 - 3 Miles
Lower

MI WELLS MI5000000393511

Well ID:	03000009091	Permit #:	Not Reported
Owner:	RICHARD CAMPBELL	Well Depth (ft):	42
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20060928

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	42
Static Water Level (ft):	19	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CM344
SSE
2 - 3 Miles
Lower

MI WELLS **MI5000000483495**

Well ID:	39000011635	Permit #:	Not Reported
Owner:	MARSHALL, GREELY	Well Depth (ft):	54
Well Type:	Type III Public	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19970724
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	50
Screen Start Depth (ft):	50	Screen End Depth (ft):	54
Static Water Level (ft):	8	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CL345
South
2 - 3 Miles
Lower

MI WELLS **MI5000000493997**

Well ID:	39000024817	Permit #:	9485
Owner:	Michelle Stoken	Well Depth (ft):	116
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19910910
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	75
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	102	Test Hours:	1
Test Water Flow Rate:	12	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	65		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

CM346
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000485019

Well ID:	39000013310	Permit #:	Not Reported
Owner:	MARSHALL, EVA	Well Depth (ft):	80
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19991207
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	75
Screen Start Depth (ft):	75	Screen End Depth (ft):	80
Static Water Level (ft):	28	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

347
SE
2 - 3 Miles
Higher

MI WELLS MI5000000483173

Well ID:	39000011222	Permit #:	Not Reported
Owner:	HANSEN, WALTER	Well Depth (ft):	83
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-0209	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19960710
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	78
Screen Start Depth (ft):	78	Screen End Depth (ft):	83
Static Water Level (ft):	34	Flowing:	N
Test Drawdown Depth:	78	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	892	Specific Capacity:	0
Rock Top (ft):	0		

CL348
South
2 - 3 Miles
Lower

MI WELLS MI5000000492481

Well ID:	39000022867	Permit #:	W-17-1094
Owner:	ROD D STEVENSON	Well Depth (ft):	142
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-2335	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20170502

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	75
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	22	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	68		

349
West
2 - 3 Miles
Lower

MI WELLS MI5000000386678

Well ID:	03000001539	Permit #:	Not Reported
Owner:	TOM SEBRIGHT	Well Depth (ft):	57
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20000921
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	52
Screen Start Depth (ft):	52	Screen End Depth (ft):	57
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth:	52	Test Hours:	.5
Test Water Flow Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

350
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000406524

Well ID:	08000005363	Permit #:	Not Reported
Owner:	TROFF & DENNING INC	Well Depth (ft):	140
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Unknown	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20000313
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	135
Screen Start Depth (ft):	135	Screen End Depth (ft):	140
Static Water Level (ft):	78	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

351
South
2 - 3 Miles
Lower

MI WELLS MI5000000494080

Well ID:	39000024903	Permit #:	960664
Owner:	Conklin	Well Depth (ft):	142
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19961029
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	75
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth:	65	Test Hours:	1
Test Water Flow Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	75		

352
NE
2 - 3 Miles
Higher

MI WELLS MI5000000411668

Well ID:	08000011117	Permit #:	Not Reported
Owner:	EDNA KIRVAN	Well Depth (ft):	60
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-2308	Drill Method:	Hollow Rod
Other Method Info:	Not Reported	Construction Date:	20091122
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	56
Screen Start Depth (ft):	56	Screen End Depth (ft):	60
Static Water Level (ft):	42	Flowing:	Y
Test Drawdown Depth:	42	Test Hours:	.5
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	50
Elevation (ft):	0	Specific Capacity:	0.71428571
Rock Top (ft):	0		

353
ESE
2 - 3 Miles
Higher

MI WELLS MI5000000402804

Well ID:	08000001375	Permit #:	Not Reported
Owner:	CRAIG BARSUHN	Well Depth (ft):	137
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	69-0118	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19781226

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	132
Screen Start Depth (ft):	132	Screen End Depth (ft):	137
Static Water Level (ft):	68	Flowing:	N
Test Drawdown Depth:	110	Test Hours:	2
Test Water Flow Rate:	45	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	925	Specific Capacity:	0
Rock Top (ft):	0		

354
SE
2 - 3 Miles
Higher

MI WELLS MI5000000474760

Well ID:	39000001764	Permit #:	Not Reported
Owner:	FORD, DON	Well Depth (ft):	67
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	39-1711	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19920810
Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	63
Screen Start Depth (ft):	63	Screen End Depth (ft):	67
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth:	29	Test Hours:	.5
Test Water Flow Rate:	60	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	889	Specific Capacity:	0
Rock Top (ft):	0		

355
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000484081

Well ID:	39000012314	Permit #:	Not Reported
Owner:	MARSHALL, GREELY	Well Depth (ft):	62
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19981005
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	58
Screen Start Depth (ft):	58	Screen End Depth (ft):	62
Static Water Level (ft):	18	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

356
SE
2 - 3 Miles
Higher

MI WELLS MI5000000493454

Well ID:	39000024209	Permit #:	w-19-1178
Owner:	Beards Construction	Well Depth (ft):	150
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20191111
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	144
Screen Start Depth (ft):	144	Screen End Depth (ft):	150
Static Water Level (ft):	43	Flowing:	N
Test Drawdown Depth:	120	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

357
SSW
2 - 3 Miles
Lower

MI WELLS MI5000000474791

Well ID:	39000001795	Permit #:	Not Reported
Owner:	KESDERIS, JOHN	Well Depth (ft):	42
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	24-1156	Drill Method:	Hollow Rod
Other Method Info:	Not Reported	Construction Date:	19850913
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	42
Screen Start Depth (ft):	36	Screen End Depth (ft):	42
Static Water Level (ft):	12	Flowing:	N
Test Drawdown Depth:	12	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	50
Elevation (ft):	739	Specific Capacity:	0
Rock Top (ft):	0		

CN358
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000483998

Well ID:	39000012184	Permit #:	Not Reported
Owner:	MARSHALL, EVA	Well Depth (ft):	64
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19980731

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	60
Screen Start Depth (ft):	60	Screen End Depth (ft):	64
Static Water Level (ft):	18	Flowing:	N
Test Drawdown Depth:	0	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CO359
ESE
2 - 3 Miles
Higher

MI WELLS **MI5000000402812**

Well ID:	08000001383	Permit #:	Not Reported
Owner:	MR STEWART	Well Depth (ft):	84
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1911	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19950602
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	80
Screen Start Depth (ft):	80	Screen End Depth (ft):	84
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth:	60	Test Hours:	1
Test Water Flow Rate:	45	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	965	Specific Capacity:	0
Rock Top (ft):	0		

360
SW
2 - 3 Miles
Lower

MI WELLS **MI5000000474808**

Well ID:	39000001812	Permit #:	Not Reported
Owner:	FILE, RODGER	Well Depth (ft):	55
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19851227
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	55
Screen Start Depth (ft):	50	Screen End Depth (ft):	55
Static Water Level (ft):	18	Flowing:	N
Test Drawdown Depth:	18	Test Hours:	2
Test Water Flow Rate:	50	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	50
Elevation (ft):	740	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

361
SSW
2 - 3 Miles
Lower

MI WELLS MI5000000488255

Well ID:	39000017639	Permit #:	Not Reported
Owner:	Stoneburner Development Group		
Well Depth (ft):	42	Well Type:	Household
Other Type Info:	Not Reported	Well Status:	Active
Other Status Info:	Not Reported	Water Supply Serial #:	0
Well #:	Not Reported	Driller ID:	08-1793
Drill Method:	ROTARY	Other Method Info:	Not Reported
Construction Date:	20050913	Casing Type:	PVC Plastic
Other Casing Info:	Not Reported	Casing Diameter (in):	5
Casing Depth (ft):	37	Screen Start Depth (ft):	37
Screen End Depth (ft):	42	Static Water Level (ft):	8
Flowing:	N	Test Drawdown Depth:	8
Test Hours:	1	Test Water Flow Rate:	30
Test Method:	AIR	Well Grouted:	Y
Pump Capacity (gpm):	10	Elevation (ft):	0
Specific Capacity:	0	Rock Top (ft):	0

362
SW
2 - 3 Miles
Lower

MI WELLS MI5000000493076

Well ID:	39000023729	Permit #:	W-18-1237
Owner:	Ross Thornton	Well Depth (ft):	104
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20181022
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	98
Screen Start Depth (ft):	98	Screen End Depth (ft):	104
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth:	90	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

363
SSW
2 - 3 Miles
Lower

MI WELLS MI5000000494112

Well ID:	39000024939	Permit #:	8877
Owner:	Matt Courels	Well Depth (ft):	34
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19901029

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	Steel-Unknown	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	28
Screen Start Depth (ft):	28	Screen End Depth (ft):	34
Static Water Level (ft):	14	Flowing:	N
Test Drawdown Depth:	25	Test Hours:	2
Test Water Flow Rate:	40	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	19
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CO364
ESE
2 - 3 Miles
Higher

MI WELLS **MI5000000407064**

Well ID:	08000005940	Permit #:	B27680
Owner:	PHILL CUTSHAW	Well Depth (ft):	104
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1890	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19990819
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	99
Screen Start Depth (ft):	101	Screen End Depth (ft):	104
Static Water Level (ft):	85	Flowing:	N
Test Drawdown Depth:	85	Test Hours:	1
Test Water Flow Rate:	60	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CP365
SE
2 - 3 Miles
Higher

MI WELLS **MI5000000483397**

Well ID:	39000011531	Permit #:	970110
Owner:	GIBSON, JACK	Well Depth (ft):	124
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1203	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19970411
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	119
Screen Start Depth (ft):	119	Screen End Depth (ft):	124
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth:	115	Test Hours:	2
Test Water Flow Rate:	30	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	889	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

366
North
2 - 3 Miles
Lower

MI WELLS MI5000000397388

Well ID:	03000013496	Permit #:	Not Reported
Owner:	Tim Oosting	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1601	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20141009
Casing Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	22	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	PLUGR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	1
Rock Top (ft):	0		

367
SSW
2 - 3 Miles
Lower

MI WELLS MI5000000488709

Well ID:	39000018289	Permit #:	06-0081
Owner:	JERRY VELDT	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-1984	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20060406
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	35
Screen Start Depth (ft):	35	Screen End Depth (ft):	40
Static Water Level (ft):	7	Flowing:	N
Test Drawdown Depth:	7	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CN368
SSE
2 - 3 Miles
Lower

MI WELLS MI5000000483789

Well ID:	39000011959	Permit #:	Not Reported
Owner:	MARSHALL, EVA	Well Depth (ft):	62
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	08-1793	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19980319

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	58
Screen Start Depth (ft):	58	Screen End Depth (ft):	62
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth:	30	Test Hours:	1
Test Water Flow Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

369
SW
2 - 3 Miles
Lower

MI WELLS MI5000000493358

Well ID:	39000024072	Permit #:	w19-1071
Owner:	Beards Construction	Well Depth (ft):	43
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	03-2204	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20190807
Casing Type:	PVC Plastic	Other Casing Info:	Not Reported
Casing Diameter (in):	5	Casing Depth (ft):	37
Screen Start Depth (ft):	37	Screen End Depth (ft):	43
Static Water Level (ft):	13	Flowing:	N
Test Drawdown Depth:	40	Test Hours:	1
Test Water Flow Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	16
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

CP370
SSE
2 - 3 Miles
Higher

MI WELLS MI5000000474764

Well ID:	39000001768	Permit #:	Not Reported
Owner:	NUYEN, CHRIS	Well Depth (ft):	107
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	80-0112	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19870710
Casing Type:	Steel-black	Other Casing Info:	Not Reported
Casing Diameter (in):	4	Casing Depth (ft):	103
Screen Start Depth (ft):	103	Screen End Depth (ft):	107
Static Water Level (ft):	45	Flowing:	N
Test Drawdown Depth:	45	Test Hours:	1
Test Water Flow Rate:	50	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	880	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

West

1/2 - 1 Mile

OIL_GAS

MIOG12000001237

API Well #: 21005050510000
Completion: 0
Well Status: Plugging Approved
Slant: V
True Vertical Depth: 0
Formation Tops: G
Production Formation: Not Reported
Lease Name: Honeysette, Hulda
Operator #: 1080
Company Name: Henry Archie M
Surface Owner: Not Reported
Federally Owned Land: 0
Plug Date: Not Reported

Permit #: 5051
Well Type: Not Reported
Bore Type: Oil and Gas Test
Total Depth Drilled: 1768
Deepest Formation: TRAVERSE LIMESTONE
Field Name: Not Reported
Production Unit #: Not Reported
Well #: 1

State Owned Land: 0
Permit Date: Not Reported
H2S Concentration: 0

2

NE

1/2 - 1 Mile

OIL_GAS

MIOG12000001828

API Well #: 21005075410000
Completion: 0
Well Status: Plugging Approved
Slant: V
True Vertical Depth: 0
Formation Tops: G
Production Formation: Not Reported
Lease Name: Doester
Operator #: 2530
Company Name: Twin Drilling Co
Surface Owner: Not Reported
Federally Owned Land: 0
Plug Date: Not Reported

Permit #: 7541
Well Type: Not Reported
Bore Type: Oil and Gas Test
Total Depth Drilled: 1594
Deepest Formation: TRAVERSE LIMESTONE
Field Name: Not Reported
Production Unit #: Not Reported
Well #: 1

State Owned Land: 0
Permit Date: Not Reported
H2S Concentration: 0

3

NW

1 - 2 Miles

OIL_GAS

MIOG12000002826

API Well #: 21005140050000
Completion: 0
Well Status: Plugging Approved
Slant: V
True Vertical Depth: 0
Formation Tops: G
Production Formation: Not Reported
Lease Name: Lovelace, Alfred L. & Mary L.
Operator #: 801
Company Name: Findley Stanley L
Surface Owner: Not Reported
Federally Owned Land: 0
Plug Date: Not Reported

Permit #: 14005
Well Type: Not Reported
Bore Type: Oil and Gas Test
Total Depth Drilled: 1608
Deepest Formation: TRAVERSE LIMESTONE
Field Name: Not Reported
Production Unit #: Not Reported
Well #: 1

State Owned Land: 0
Permit Date: Not Reported
H2S Concentration: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

4
South
1 - 2 Miles

OIL_GAS MIOG12000002771

API Well #:	21005136790000	Permit #:	13679
Completion:	0	Well Type:	Not Reported
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled:	1459
True Vertical Depth:	0	Deepest Formation:	TRAVERSE LIMESTONE
Formation Tops:	G	Field Name:	Not Reported
Production Formation:	Not Reported	Production Unit #:	Not Reported
Lease Name:	Laverack, Samuel	Well #:	1
Operator #:	2611		
Company Name:	Wadsworth H L And Cook W Spencer		
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	Permit Date:	Not Reported
Plug Date:	Not Reported	H2S Concentration:	0

A5
WSW
1 - 2 Miles

OIL_GAS MIOG12000001020

API Well #:	21005008720000	Permit #:	872
Completion:	0	Well Type:	Not Reported
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled:	1715
True Vertical Depth:	0	Deepest Formation:	DUNDEE
Formation Tops:	G	Field Name:	Not Reported
Production Formation:	Not Reported	Production Unit #:	Not Reported
Lease Name:	Allen	Well #:	1
Operator #:	85		
Company Name:	Wiser Oil Co		
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	Permit Date:	Not Reported
Plug Date:	Not Reported	H2S Concentration:	0

A6
WSW
1 - 2 Miles

OIL_GAS MIOG12000001892

API Well #:	21005077550000	Permit #:	7755
Completion:	0	Well Type:	Not Reported
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled:	1505
True Vertical Depth:	0	Deepest Formation:	TRAVERSE FORMATION
Formation Tops:	G	Field Name:	Not Reported
Production Formation:	Not Reported	Production Unit #:	Not Reported
Lease Name:	Brown, Glenn	Well #:	1
Operator #:	2454		
Company Name:	Tamblyn R B Development Co And Richardson L A		
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	Permit Date:	Not Reported
Plug Date:	Not Reported	H2S Concentration:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

7

WSW

1 - 2 Miles

OIL_GAS

MIOG12000002521

API Well #: 21005119720000
Completion: 0
Well Status: Plugging Approved
Slant: V
True Vertical Depth: 0
Formation Tops: G
Production Formation: Not Reported
Lease Name: Arnold
Operator #: 1264
Company Name: Kendall C W
Surface Owner: Not Reported
Federally Owned Land: 0
Plug Date: Not Reported

Permit #: 11972
Well Type: Not Reported
Bore Type: Oil and Gas Test
Total Depth Drilled: 1725
Deepest Formation: TRAVERSE LIMESTONE
Field Name: Not Reported
Production Unit #: Not Reported
Well #: 1

State Owned Land: 0
Permit Date: Not Reported
H2S Concentration: 0

8

NNE

1 - 2 Miles

OIL_GAS

MIOG12000003477

API Well #: 21005173390000
Completion: 0
Well Status: Plugging Approved
Slant: V
True Vertical Depth: 0
Formation Tops: G
Production Formation: Not Reported
Lease Name: Doster, D
Operator #: 3247
Company Name: Walton H E
Surface Owner: Not Reported
Federally Owned Land: 0
Plug Date: Not Reported

Permit #: 17339
Well Type: Not Reported
Bore Type: Oil and Gas Test
Total Depth Drilled: 1647
Deepest Formation: TRAVERSE LIMESTONE
Field Name: Not Reported
Production Unit #: Not Reported
Well #: 1

State Owned Land: 0
Permit Date: Not Reported
H2S Concentration: 0

9

NNW

1 - 2 Miles

OIL_GAS

MIOG12000001801

API Well #: 21005074210000
Completion: 0
Well Status: Plugging Approved
Slant: V
True Vertical Depth: 0
Formation Tops: G
Production Formation: Not Reported
Lease Name: Minar
Operator #: 2530
Company Name: Twin Drilling Co
Surface Owner: Not Reported
Federally Owned Land: 0
Plug Date: Not Reported

Permit #: 7421
Well Type: Not Reported
Bore Type: Oil and Gas Test
Total Depth Drilled: 1508
Deepest Formation: TRAVERSE FORMATION
Field Name: Not Reported
Production Unit #: Not Reported
Well #: 1

State Owned Land: 0
Permit Date: Not Reported
H2S Concentration: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

10
WSW
1 - 2 Miles

OIL_GAS MIOG12000002557

API Well #:	21005122890000	Permit #:	12289
Completion:	0	Well Type:	Not Reported
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled:	1450
True Vertical Depth:	0	Deepest Formation:	TRAVERSE LIMESTONE
Formation Tops:	G	Field Name:	Not Reported
Production Formation:	Not Reported	Production Unit #:	18986.00000000
Lease Name:	Nyberg, John	Well #:	1
Operator #:	434		
Company Name:	Burton John F		
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	Permit Date:	Not Reported
Plug Date:	Not Reported	H2S Concentration:	0

11
West
1 - 2 Miles

OIL_GAS MIOG12000001953

API Well #:	21005079970000	Permit #:	7997
Completion:	0	Well Type:	Not Reported
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled:	1475
True Vertical Depth:	0	Deepest Formation:	TRAVERSE LIMESTONE
Formation Tops:	G	Field Name:	Not Reported
Production Formation:	Not Reported	Production Unit #:	Not Reported
Lease Name:	Gray, E. L.	Well #:	1
Operator #:	553		
Company Name:	Columbia Oil And Gas Co		
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	Permit Date:	Not Reported
Plug Date:	Not Reported	H2S Concentration:	0

12
WNW
2 - 3 Miles

OIL_GAS MIOG12000001018

API Well #:	21005007180000	Permit #:	718
Completion:	0	Well Type:	Not Reported
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled:	2011
True Vertical Depth:	0	Deepest Formation:	DETROIT RIVER
Formation Tops:	G	Field Name:	Not Reported
Production Formation:	Not Reported	Production Unit #:	Not Reported
Lease Name:	Humphrey, Clarence & Carrie	Well #:	1
Operator #:	85		
Company Name:	Wiser Oil Co		
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	Permit Date:	Not Reported
Plug Date:	Not Reported	H2S Concentration:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
49080	3/17/2006		0.5
49080	7/1/2008	<	0.3
49080	8/30/2003	<	0.3
49080	6/17/2002		0.8
49080	1/27/2005		0.6
49080	8/18/2007		0.6
49080	6/9/2000		0.7
49080	1/25/2007		0.9
49080	3/28/2009		0.7
49080	11/4/2008		0.6
49080	9/25/2009		0.8
49080	7/22/2008		0.9
49080	11/30/2009		0.8
49080	3/28/2009		0.9
49080	6/3/2006		1.5
49080	11/1/1994		1.5
49080	4/30/1999		1.4
49080	1/25/2010		1.4
49080	3/23/2006		1.4
49080	8/15/2006		1.4
49080	11/19/2007		1.3
49080	11/2/2009		1.3
49080	12/7/1996		1.2
49080	4/23/2001		1.3
49080	6/30/2003		1.1
49080	3/24/2008		1.1
49080	12/11/1998		1.0
49080	11/27/2006		1.0
49080	11/6/2006		1.0
49080	3/24/2008		1.0
49080	2/7/2003		4.0
49080	1/29/2001		4.6
49080	8/18/2006		4.1
49080	11/30/2006		4.1
49080	3/1/2008		4.1
49080	8/21/2008		4.2
49080	2/18/2008		4.5
49080	1/22/2002		1.8
49080	3/10/2007		1.9
49080	12/11/2009		1.9
49080	4/13/2007		1.8
49080	8/21/2008		1.8
49080	1/13/2005		1.6
49080	6/16/2009		7.6
49080	5/5/2008		6.8
49080	3/1/2004		5.5
49080			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	1/25/2010	5.2
49080	2/13/2007	5.1
49080	4/19/2008	5.1
49080	3/21/2008	5.4
49080	6/10/2008	5.8
49080	3/31/2008	5.8
49080	2/6/2003	5.7
49080	2/29/2008	4.7
49080	8/21/2008	4.7
49080	1/20/2001	4.7
49080	2/18/2008	5.3
49080	4/28/2006	4.8
49080	2/6/2009	8.0
49080	2/5/2004	7.0
49080	1/16/2001	7.3
49080	2/18/2008	13.2
49080	2/15/2008	12.8
49080	3/21/2008	12.3
49080	1/28/2010	11.1
49080	3/31/2008	8.1
49080	3/18/2008	12.1
49080	11/17/2008	12.0
49080	3/10/2009	12.0
49080	6/16/2009	10.0
49080	6/16/2009	8.8
49080	11/17/2008	9.7
49080	3/27/2008	9.6
49080	3/20/2008	9.6
49080	6/16/2009	8.4
49080	2/9/2009	11.3
49080	3/21/2008	9.3
49080	3/18/2008	9.2
49080	1/29/2001	8.3
49080	3/11/2008	2.1
49080	2/15/2008	2.0
49080	2/18/2008	30.2
49080	1/22/2010	2.8
49080	2/7/2008	2.9
49080	8/21/2008	2.2
49080	3/5/2008	2.2
49080	4/23/2005	2.3
49080	3/9/2009	2.9
49080	8/21/2008	3.0
49080	1/29/2010	3.0
49080	1/30/2006	2.6
49080	3/31/2006	2.7
49080	3/4/2008	3.8
49080	4/19/1995	3.6
49080	4/27/2005	3.2
49080	10/20/2003	3.3
49080	8/1/1994	3.0
49080	2/19/2008	3.3
49080	10/11/2001	3.7
49080	7/20/2009	0.3
49080	4/28/2008	3.9
49080	12/21/2000	3.7
49080		

<

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	4/16/2007	3.4
49080	8/21/2008	3.4

Federal EPA Radon Zone for ALLEGAN County: 3

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: 49080

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.200 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

The data in this file was obtained from Wellogis, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogis contains approximately 425,000 water well records found within the State of Michigan, and although it represents the best available data, it cannot be considered a complete database of all the wells or well records in existence. Locations of verified municipal and private water well sites compiled from Michigan Department of Public Health, Water Well and Pump Records. Available in the following MI counties: Calhoun, Eaton, Genesee, Ingham, Jackson, Kalamazoo, Kent, Midland, Muskegon, Oakland, Ottawaw, Saginaw, St. Clair, Washtenaw.

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Environmental Quality

Telephone: 517-241-1528

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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ATTACHMENT D

Management Strategies



MASTER PLAN

FOR
GUN PLAIN CHARTER TOWNSHIP
ALLEGAN COUNTY, MICHIGAN

ADOPTED
JANUARY 7, 2010
REVISED AND ADOPTED FEBRUARY 4, 2016

LAND MARK STRATEGIES

GUN PLAIN CHARTER TOWNSHIP

MASTER PLAN

TOWNSHIP BOARD

Mike VanDenBerg, Township Supervisor

Martha Meert, Clerk

Annette Horton, Treasurer

Jenann Pearson, Trustee

Ron Kopka, Trustee

Bill Shannon, Trustee

Arron Morehouse, Trustee

PLANNING COMMISSION

Shelley Simons,

Jack Kellogg

Tom Vogeler

Arron Morehouse

Diane Webber

Steve Curry

Bill Vance

Adopted:

Prepared with the Assistance of:

LandMark Strategies

2921 Bird Ave., NE,

Grand Rapids, Michigan 49525

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Chapter 2

NATURAL FEATURES AND COMMUNITY DESCRIPTION

The physical environment provides both opportunities and constraints for development. While a wetland or heavy soil can hinder construction, the presence of a tree stand can enhance a development project. The natural environment also contains valuable resources such as potable **groundwater** supplies and farmland. These and other resources need to be both conserved and protected if they are to be enjoyed by future generations. The following discussion highlights significant aspects of the local environment as they pertain to future planning considerations for Gun Plain Charter Township.

Regional Location

Gun Plain Charter Township is situated in the southwestern portion of Michigan's Lower Peninsula in the southeast corner of Allegan County. The Township is bordered by Kalamazoo County on the south and Barry County on the east. It is 15 miles north of the Kalamazoo metropolitan area and approximately 40 miles to the south of the Grand Rapids metropolitan area.

The Township's political boundaries encompass approximately 35 square miles of land area. Geographically surrounded by the township is the City of Plainwell, located in its southwest corner. Plainwell's sister city Otsego is located less than one mile directly to the west. The Kalamazoo River flows in the southwest corner of the Township, and inland lakes, river tributaries, and wetlands occupy other locations throughout the Township.

Two major transportation corridors traverse the township. US-131 is a federal, limited access highway. M-89 is a two lane state highway. US-131 runs north and south through the western edge of the community connecting points from the Indiana border area to the northern Lower Peninsula. M-89 connects the Battle Creek area to the Lake Michigan shore near Holland and travels through the southern portion of the Township in an east/west fashion.



- Inventory historic buildings and increase awareness of historic preservation tax credit programs.
- Encourage preservation activities in keeping with the Secretary of the Interiors' "Standards for Rehabilitation".

Goal # 4: *Protect the environment and conserve natural resources.*

Objectives:

- Protect local rivers and tributaries and wetlands from the encroachment of new development through the enforcement and expansion of "greenbelt" overlay zoning.
- Identify and substantially limit development in flood prone areas.
- Protect the local watershed from contamination through heightened public awareness and zoning enforcement and ensuring compliance with state and national environmental laws during the development process.
- Protect wildlife corridors and areas of natural habitat through zoning, easement donation/ purchase.
- Develop guidelines and increase awareness of sustainable development practices. Build requirements/ incentives into zoning and site plan review process.
- Maintain **wellhead** protection programs in conjunction with the City of Plainwell. Incorporate zoning and site plan review standards within **wellhead** protection areas that reduce the potential for drinking water contamination.
- Further protect **groundwater** and surface water resources in the Township from overuse, diminishment, diversions, and contamination from spills and other releases of hazardous substances or other pollutants by creating standards for structures and equipment ancillary to gas/oil development and production operations, and similar activities. Where practical, implement **groundwater** and surface water protection standards through the site plan review and special use permitting processes.
- Develop a township natural resources inventory. Map key resource features. Incorporate, inventory and map into the site plan review process.

Goal # 5: *Manage traffic and mitigate its environmental impact.*

ZONING ORDINANCE 2002

GUN PLAIN CHARTER TOWNSHIP
ALLEGAN COUNTY, MICHIGAN

June 6, 2002
Amended 6/05/03
Last Amended 4/22/09

Prepared with the assistance of:

McKenna Associates
151 S. Rose St., Suite 920
Kalamazoo, Michigan 49007
Phone: 616-382-4443
Fax: 616-382-4540

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**THE CHARTER TOWNSHIP OF GUN PLAIN
ZONING ORDINANCE
ORDINANCE NO. ____**

PREAMBLE

An ordinance enacted under Act 184, of the State of Michigan Public Acts of 1943, to provide for the establishment in Gun Plain Charter Township those areas lying outside of incorporated cities and villages, districts or zones within which the use of land and structures, the height, the area, the size, and location of buildings may be regulated by ordinance, and within which district regulations shall be established for the light and ventilation of those buildings, and within which districts or zones, the density of population may be regulated by ordinance; to designate the use of certain state licensed residential facilities; to provide by ordinance for the acquisition by purchase, condemnation, or otherwise of private property which does not conform to the regulations and restrictions of the various zones or districts provided; to provide for the administering of this act; to provide for the establishment of a Board of Appeals; to provide for amendments, supplements, or changes hereto; to provide for conflict with the state housing code or other acts, ordinances, or regulations; and to provide penalties for the violation of the terms of this act.

ENACTING CLAUSE

The legislative body of the Charter Township of Gun Plain, Allegan County, Michigan may regulate and restrict the use of land and structures; to meet the needs of the Township's residents for natural resources, places of residence, recreation, industry, trade, service, and other use of land; to insure that uses of the land shall be situated in appropriate locations and relationships; to limit the inappropriate overcrowding of land and congestion of population and transportation systems and other public facilities; to facilitate adequate and efficient provision for transportation systems, sewage disposal, water, energy, education, recreation, and other public service and facility needs; and to promote public health, safety, and welfare, and for those purposes may divide the Township into districts of the number, shape, and area considered best suited to carry out this section. For each of those districts, regulations may be imposed designating the uses for which buildings or structures shall or shall not be erected or altered, and designating the trades, industries, and other land uses or activities that shall be permitted or excluded or subjected to special regulations.

The land development regulations and districts authorized by this Ordinance shall be made in accordance with a Gun Plain Charter Township Master Land Use Plan designed to promote and accomplish the objectives of this Ordinance. The Charter Township of Gun Plain ordains:

H. Back-up Alarm

All trucks using the facility shall be fitted with an automatic back-up alarm. Such alarm shall have a listening device which automatically adjusts the volume so the alarm can be heard just above the ambient noise level.

I. Truck Washes

All truck washing activities shall be carried on within a designated hard surfaced area. Such area shall be designed so that wash water is captured and disposed of by an approved method as noted below. Truck washing shall be limited to only those trucks that are permanently housed on the plant site.

J. Pollution Control

1. Plants shall comply with the dust and noise standards set forth in Chapter 18 General Provisions (Performance Standards) of this Ordinance. The plan for fugitive dust shall address emissions from stockpiles, process sources, and traffic.
2. Plant building floor drains shall not be permitted to connect with a dry well or septic system. Unless a MDEQ groundwater discharge permit has been obtained, all drains must be connected to a closed holding tank. A plan for off-site disposal of holding tank effluent must be noted on the site plan.
3. Appropriate measures must be taken to ensure that storm water discharged into drainageways, storm drains, wetland areas or groundwater meets applicable standards of the Allegan County Drain Commissioner.
4. All hazardous materials used in the production process including additives, fixants and liquid asphalt as well as any fly ash stored on site must be contained in sealed bins and housed within a building with concrete floors. Manufacturer's specifications (including potential hazards) for such additives, fixants, and other process chemicals shall be supplied with the site plan. A proposed emergency management plan to contain fixants, and other process chemicals shall be supplied with the site plan. A proposed emergency management plan to contain any possible spills shall be submitted to the Planning Commission for review and posted on site. Copies of this plan shall be forwarded to the Allegan County Emergency Program Manager and the Allegan County Health Department.

K. Plan Approval

The applicant shall obtain required approvals from all state or county agencies having jurisdiction, including but not limited to: the Michigan Department of Environmental Quality (MDEQ) Air Quality Control Division, Michigan Pollution Control Commission and MDEQ Ground Water Division. Evidence of approvals from these agencies shall be submitted to the Township prior to final approval.

L. Excess Asphalt or Concrete

The proposed recovery system for excess asphalt, concrete or similar materials must be noted on the site plan and approved by the Township. The plan shall included a means of sealing the recovery area to prevent leaching of hazardous materials into the ground. Storage of such excess materials on the site shall not exceed the limits specified in the approved recovery plan. Excess asphalt, concrete, or similar materials from other locations shall not be brought onto the site for recovery.

M. Performance Guarantee

Prior to issuance of a land use permit, the Township may require submission of a performance guarantee, in accordance with Section 18.72.

N. Height of Structure

Structures on site including stacks and towers shall not exceed a height of thirty-five (35) feet.

O. Odor

Offensive, noxious, or foul odors shall not be allowed to escape into the atmosphere in concentrations which are offensive, which produce a public nuisance or a hazard on adjoining property, or which could be detrimental to human, plant, or animal life. The use of any furnace or combustion device in association with concrete, asphalt, or transit mix plants shall be equipped with recognized and approved equipment, methods, or technology to reduce the quantity of airborne fumes emitted into the open air.

SECTION 17.06 AUTOMOBILE OR VEHICLE DEALERS

Automobile or vehicle dealers with repair facilities or outdo or sales space shall be subject to the following requirements. These requirements shall apply to operations involved in the sale, lease or rental of new or used vehicles, house trailers, recreational vehicles, trucks, and other vehicles.

A. Grading, Surfacing, and Drainage

Outdoor sales lots, parking areas, and other vehicle maneuvering areas shall be hard-surfaced with concrete or plant-mixed bituminous material, and shall be graded and drained so as to dispose of surface waters. Grading, surfacing, and drainage plans shall be subject to review and approval by the Township and shall meet requirements of Chapter 18 of this Ordinance.

B. Driveway Location

The nearest edge of any driveway serving an outdoor vehicle sales area shall be located at least sixty (60) feet from any street or road intersection (as measured from the nearest intersection right-of-way line).

C. Servicing of Vehicles

Any servicing of vehicles, including major motor repair and refinishing, shall be subject to the following requirements:

1. Service activities shall be clearly incidental to the vehicle sales operation.
2. Vehicle service activities shall occur within a completely enclosed building.
3. Partially dismantled vehicles, damaged vehicles, new and used parts, and discarded parts shall be stored within a completely enclosed building.
4. The building containing service operations shall be located a minimum of fifty (50) feet from any property line or the required setback which ever is greater.
5. There shall be no external evidence of the service operations, in the form of dust, odors, or noise, beyond the service building.

D. Broadcasting Devices Prohibited

Devices for the transmission or broadcasting of audible voice or music sounds, such as a public address system, bells or tone devices, shall be prohibited outside of any building.

1. Setbacks

Outdoor sales lots, parking areas, and other vehicle maneuvering areas shall comply with the setback and other requirements for parking lots, as specified in Chapter 17.

2. Groundwater Protection

The applicant shall submit a Pollution Incidence Protection Plan (PIPP). The PIPP shall describe measures to prevent **groundwater** contamination caused by accidental gasoline spills or leakage, such as: special check valves, drain back catch basins and automatic shut off valves, as approved by the Fire Department.

SECTION 17.07 AUTOMOBILE FILLING STATIONS, AUTOMOBILE OR VEHICLE SERVICE STATIONS, AUTOMOBILE REPAIR GARAGES

The following regulations shall apply to Automobile Filling Stations and Automobile or Vehicle Service Stations, including tire, battery, muffler and undercoating shops:

A. Frontage

Such uses shall have access to and front upon a hard surface, major thoroughfare.

B. Minimum Lot Width

The minimum lot width required for such uses shall be 200 ft.

C. Minimum Setbacks

Repair garages or other buildings shall comply with the setback requirements for the district in which the use is located. However, a minimum setback of forty (40) feet shall be maintained on

all sides which abut property that is zoned or used for residential purposes. Pump islands and canopies shall comply with the following requirements:

Minimum Setback from Right-of-Way Line

- Nearest Edge of Pump Island30 ft.
- Nearest Edge of Unenclosed Canopy20 ft.

D. Ingress and Egress

Ingress and egress drives shall be a minimum of thirty (30) feet and a maximum of forty (40) feet in width. No more than one (1) such drive or curb opening shall be permitted for every seventy-five (75) feet of frontage (or fraction thereof) along any street. The nearest edge of any such drive shall be located at least twenty-five (25) feet from the nearest point of any property zoned or used for residential purposes.

Curb openings for drives shall not be permitted where the drive would create a safety hazard or traffic nuisance because of its location in relation to other ingress and egress drives, its location in relation to the traffic generated by other buildings or uses or its location near a vehicular or pedestrian entrances or crossings.

E. Layout

All lubrication equipment, automobile wash equipment, hoists, and pits shall be enclosed entirely within a building. Gasoline pumps shall be located so that motor vehicles do not park on or extend over abutting landscaped areas, sidewalks, streets, buildings, or adjoining property while being served. Service bay doors and windows shall be oriented so they face away from abutting residentially zoned and so that they do not face onto adjacent thoroughfares unless screened by landscaping.

F. Outside Storage

Inoperable, wrecked or partially dismantled vehicles shall not be stored or parked outside for a period exceeding two (2) days. Such vehicles must be stored in the rear yard within a six (6) foot masonry screening wall or an acceptable substitute that is not less than six (6) feet in height.

G. Vehicle Sales and Storage

The storage, sale, or rental of new or used cars, trucks, trailers, and any other vehicles on the premises is prohibited.

H. Groundwater Protection

The applicant shall submit a Pollution Incidence Protection Plan (PIPP). The PIPP shall describe measures to prevent groundwater contamination caused by accidental gasoline spills or leakage, such as: special check valves, drain back catch basins and automatic shut off valves, as approved by the Fire Department.

SECTION 17.08 AUTOMOBILE WASH OR VEHICLE WASH ESTABLISHMENT

The following regulations shall apply to Automobile Wash or Vehicle Wash Establishments:

A. Layout

All washing activities shall be carried on within a fully enclosed, roofed building. Vacuuming activities shall be permitted in the rear yard only, provided such activities are located at least fifty (50) feet from adjacent residentially zoned property.

B. Entrances and Exits

Entrances and exits shall not face abutting residentially zoned or used property. Sufficient space shall be provided on the lot so that vehicles do not enter or exit the wash building directly from an adjacent street or alley. All maneuvering areas, stacking lanes, and exit aprons shall be located on the car wash parcel itself. Streets and alleys shall not be used for maneuvering or parking by vehicles to be serviced by the automobile wash.

C. Orientation of Open Bays

Buildings should be oriented so that open bays, particularly for self-serve automobile washes, do not face onto any adjacent thoroughfares unless screened by landscaping or acceptable substitute.

D. Exit Lane Drainage

Exit lanes shall be sloped to drain water back to the wash building to drainage grates.

E. Truck Washes

Truck washes must be at least must be at least one hundred (100) feet from all property line and entirely screened from residential uses. The screening shall include both a wall and landscaping.

SECTION 17.09 BED AND BREAKFAST FACILITIES

Bed and breakfast facilities shall be subject to the following regulations:

A. Bed and Breakfast as Accessory Use

The bed and breakfast operations shall be clearly incidental to the principal residence on the site. Accordingly, the bed and breakfast operations shall be confined to the single-family dwelling unit which is the principal dwelling on the site. Not more than twenty five (25) percent of the total floor area of the dwelling unit shall be used for bed and breakfast sleeping rooms.

B. Maximum Number of Units

No more than six (6) bed and breakfast sleeping rooms shall be established in a bed and breakfast dwelling unit. However, the Planning Commission may limit the number of sleeping rooms based on site or building limitations and principles of good design.

C Principal Residence

The dwelling unit shall be the principal residence of the operator, and the operator shall live in the dwelling unit when the bed and breakfast facility is in operation.

D. Kitchen Facilities

There shall be no separate cooking facilities for the bed and breakfast operation, other than those which serve the principal residence. Food may be served only to those persons who rent a room in the bed and breakfast facility. Dining space sufficient to seat all guests shall be provided.

E. Building Requirements

A building used for bed and breakfast operations shall comply with the following minimum requirements:

1. There shall be at least two (2) exits to the outdoors, with separate means of egress provided from each room.
2. Rooms used for sleeping shall have a minimum size of one hundred (100) square feet for two (2) occupants. Rooms shall be designed to accommodate no more than two (2) occupants.
3. Each sleeping room shall be equipped with a smoke detector. A fire escape plan shall be graphically displayed in each guest room. A fire extinguisher in proper working order shall be placed on every floor.
4. At least one bathroom shall be provided for each two rooms on the same floor.

F. Parking

Adequate off-street parking shall be provided for bed and breakfast patrons, in accordance with Chapter 17. Off-street parking in the front yard is prohibited.

G. Duration of Stay

Duration of stay of guests shall be limited to a maximum of seven days.

H. Guest Register

All Bed and Breakfast operations shall maintain a guest register. Such register is subject to inspection during reasonable hours by the Zoning Administrator.

I. Signs

Signs shall comply with Chapter 15 of this ordinance.

SECTION 17.10 CEMETERIES AND PET CEMETERIES

The following regulations shall apply to the establishment of new cemeteries or expansion of existing cemeteries:

A. Size

The minimum parcel size shall be five (5) acres and have a minimum frontage of 330 feet on a public road.

B. Location

No portion of any cemetery that is located in a wetland or within the 100-year flood boundary shall be developed or platted for grave sites.

C. Master Plan

Any crematorium, mausoleum, columbarium, or other building shall be designed and located in accordance with a cemetery master plan, which shall be subject to Planning Commission approval.

D. Setbacks

No building or structures containing bodies or remains, other than subterranean graves, shall be located closer than fifty (50) feet to the boundary line of any residential or commercial district.

E. Location of Entrances

Entrances to cemeteries shall be from an arterial or collector road as determined in the Master Plan, and shall be designed to minimize traffic congestion.

F. Screening

Screening shall be provided along all property lines abutting a residential district or street in a residential district, in accordance with Chapter 20.

SECTION 17.11 CHURCHES AND RELIGIOUS INSTITUTIONS

The following regulations shall apply to all Religious Institutions, including churches, synagogues, temples, and so forth. For large scale churches, see Section 17.22.

A. Lot Width

The minimum lot width for religious institutions shall be three hundred and thirty (330) feet, unless a greater width is specified in the Schedule of Regulations for the district in which the institution is located. If located on a parcel having 660 feet or more of frontage, two (2) entrances/exits spaced at least 330 feet apart shall be required, except lots or parcels existing prior to the adoption of this Zoning Ordinance and any amendments to it, provided that all other requirements of this Ordinance are met.

B. Parking Setback

Off-street parking shall be prohibited in the front setback area and within fifteen (15) feet of the rear or side property line.

C. Building Setback

Religious institutions shall comply with the following building setback requirements, unless larger setbacks are specified in the Schedule of Regulations for the district in which the institution is located.

Front Yard: 50 feet

Side Yards: 25 feet

Rear Yard: 50 feet

D. Frontage and Access

Religious institutions shall be located on a paved collector or arterial road.

E. Landscaping

Religious institutions shall comply with the landscaping requirements set forth in Chapter 20.

F. Maximum Height

Churches may exceed the maximum height standard for the districts in which they are located provided that the front, side and rear setbacks are increased by one (1) foot for every foot by which the building exceeds the maximum permitted height.

G. Churches in Existing Structures

If a church is to be located in an existing structure in a residential zoning district, such occupancy shall be permitted provided that the structure retains its existing floor area and its external residential character and continues to meet all of the other requirements of the Ordinance, unless variances are granted by the Zoning Board of Appeals.

SECTION 17.12 COMPOSTING CENTERS

- A. The applicant shall submit an Impact Assessment describing the expected odors, aesthetic impact, environmental impacts, vehicular and truck impacts associated with the use, and any mitigation measures to be employed.
- B. The site plan shall clearly illustrate the layout of the composting operation, including: buildings, staging area, parking, on-site truck maneuvering (truck turning radii shall be illustrated) curbing area, landscaped buffers, sales area and fencing.
- C. Commercial composting operations shall be at least five hundred (500) feet from any residential
- D. All composting operations shall be at least two hundred (200) feet from the boundary of any lake, stream, drain, wetland or other surface water body. The applicant shall describe procedures for managing stormwater runoff and preventing pollution of surface water bodies or **groundwater**. **Groundwater** quality monitoring devices shall be provided.
- E. Documentation shall be provided indicating that the soils percolate and are not characterized by a high water table.

- F. The applicant shall describe acceptable methods for control of odors.
- G. A landscaped greenbelt, as described in Chapter 20 shall be provided on all sides adjacent to a residential district. A landscaped greenbelt as described in Chapter 20 shall be provided on all other sides unless waived by the Planning Commission in consideration of adjacent uses and topographic features.
- H. Access shall be provided solely on Class A truck routes.
- I. All storage areas shall be enclosed in a building.

SECTION 17.13 CONVALESCENT HOMES, NURSING HOMES, REST HOMES, AND ORPHANAGES AND CONGREGATE CARE FACILITIES

The following regulations shall apply to Nursing Homes, Convalescent Homes, Rest Homes, Orphanages, and Congregate Care Facilities.

A. Frontage and Access

Such uses shall front onto a paved arterial or collector road and the main means of access to the hospital for residents or patients, visitors, and employees shall be via the paved road. In no case shall access to a nursing home, convalescent home, or rest home be from a residential street in a platted subdivision.

B. Setbacks

The principal building and all accessory buildings shall be set back a minimum distance of seventy five (75) feet from all property lines.

C. Open Space

Any such facility shall provide a minimum of fifteen hundred (1,500) square feet of outdoor open space for every bed used or intended to be used. The open space shall be landscaped and shall include places for walking and sitting. Off-street parking areas, driveways, and accessory uses or areas shall not be counted as required open space.

SECTION 17.14 DRIVING RANGES

A. Minimum Dimensions and Setbacks

Driving ranges shall have sufficient width and length and shall be designed in such a manner as to prevent golf balls from being hit outside the perimeter of the driving range. The minimum length of the driving range shall be 300 yards, measured from the tee to the end of the range. Tees shall be set back at least 25 yards from each side property line, unless the applicant can demonstrate that golfers will be oriented toward the center of the range so that golf balls will not be hit beyond the side property lines. No netting to prevent the flight of golf balls shall be permitted along any side lot line.

B. Screening or Slopes

The Planning Commission may require a landscaped buffer or fencing along the perimeter to screen the driving range from adjacent properties or to prevent balls from being hit outside of the driving range. Screening shall comply with the standards in Chapter 20. The Planning Commission may also require that the sides of the driving range slope upward and be rough mowed so as to intercept stray golf balls.

C. Special Use Requirements for Outdoor Recreation Facilities

Driving ranges shall comply with the requirements for Outdoor Recreation Facilities in Section 17.27.

D. Lighting

All lighting shall be in accordance with the provisions of this Ordinance.

SECTION 17.15 ESSENTIAL PUBLIC SERVICES STRUCTURES, STORAGE YARDS AND SUBSTATIONS

Essential public services structures, substations, and similar uses shall comply with the following regulations:

A. Location

Where feasible, utility structures and public service buildings shall be located so as to not hinder the development of the area or detract from the value of existing development.

B. Design

All such buildings shall be architecturally compatible with buildings in the vicinity and shall be screened in accordance with Chapter 20. Electric or gas regulator equipment and apparatus shall be setback a minimum Of thirty (30) feet from all lot lines or equal to district setbacks, whichever is greater. Such facilities can not be located in the required front yard.

C. Off-site Impact

Such uses shall not create a health or safety hazard, a nuisance, or have deleterious impact on the surrounding area either due to appearance or operation. Essential public service storage yards shall be screened from any adjacent residential district in accordance with Chapters 18 and 20.

D. Security Fencing

Security fencing may be permitted, subject to the requirements in Chapter 18. Adjacent to a residential district, such fencing shall be decorative masonry and eight (8) feet high, subject to modification by the Planning Commission.

SECTION 17.16 FAST -FOOD AND DRIVE-THROUGH RESTAURANTS

The following regulations shall apply to Fast-Food and Drive-Through restaurants:

A. **Minimum Frontage**

The site shall have a minimum of two hundred (200) feet of frontage on a principal arterial road or highway.

B. **Location of Driveways**

Ingress and egress points shall be located at least sixty (60) feet from the intersection of any two (2) streets (measured from the nearest right-of-way line). The use of secondary access drives may be required upon review by the Planning Commission.

C. **Control of Sound Level**

Devices for the transmission of voices shall be so directed or muffled as to prevent sound from being audible beyond the boundaries of the site.

D. **Stacking**

Stacking space and lanes shall be provided as specified in Chapter 17.

SECTION 17.17 FUNERAL HOMES OR MORTUARIES

The following regulations shall apply to Funeral Homes and Mortuaries:

A. **Assembly Area**

A minimum of 9,000 sq. ft. (30 car capacity) shall be provided off-street for vehicles to be used in funeral processions.

B. **Screening**

Service, loading, and parking areas shall be screened from adjacent residential areas in accordance with Chapter 20.

C. **Caretaker's Residence**

A caretaker's residence may be provided within the main building of the funeral home or part of an accessory building.

D. **Loading Requirements**

One (1) loading berth shall be provided per 5,000 square feet of gross floor area, and one (1) additional berth shall be provided for each additional 10,000 square feet of floor area. Each loading berth shall measure at least 10 ft. x 25 ft.

E. **Location**

Such uses shall front onto a paved arterial or collector road and the main means of access shall be via the paved road.

SECTION 17.18 GOLF COURSES AND COUNTRY CLUBS, AND PAR-3 GOLF COURSES

The following regulations shall apply to Golf Courses, Country Clubs, and Par-3 Golf Courses:

A. Lot Size

Regulation length 18-hole golf courses shall have a minimum lot size of 160 acres, of which a minimum of 110 acres of usable land shall be allocated to fairways, roughs, and greens. Nine-hole courses with regulation length fairways shall have a minimum lot size of 90 acres. Eighteen-hole par-3 courses shall have a minimum lot size of 50 acres. Country clubs shall have a minimum lot size of 40 acres.

B. Setbacks and Fairway Width

Fairways and driving ranges shall have sufficient width and shall be oriented in such a manner and set back a sufficient distance to prevent golf balls from being hit outside the perimeter of the golf course. The minimum width for fairways shall be one hundred fifty (150) feet subject to review by the Planning Commission. Fairways shall be designed so that existing or future dwelling units are located a minimum of two hundred ten (210) feet from the center of the fairway.

C. Access

Golf courses and country clubs shall have direct access onto a public road.

D. Shelter Buildings

At least one (1) shelter building with toilet facilities shall be provided per nine holes. The shelter shall meet all requirements of the Allegan County Health Department and the County Building Code.

E. Impact on Water Supply

A hydrogeological study shall be completed and submitted to document the impact of the golf course watering system on groundwater supply. This study shall inventory and analyze well logs from surrounding properties, giving consideration to the depth of the wells and quality of water. The study shall further estimate the quantity of water that will be used on a daily basis during the peak watering periods and shall evaluate the impact of watering operations on surrounding wells.

F. Building Setbacks

Buildings shall be setback a minimum of 100 feet from any property line that abuts residentially zoned or used property, and seventy five (75) feet from any other property line.

G. Turf Maintenance Plan

The proposed turf maintenance plan and chemical application plan for the first year and for long-term turf maintenance shall be submitted for review.

H. Chemical Storage

Detailed plans for chemical storage shall be provided. Buildings in which chemicals are stored shall be designed to contain spills and shall not have floor drains that discharge into a septic

system or other pathway to the **groundwater**. Plans for emergency containment and clean-up shall also be provided.

SECTION 17.19 HOSPITALS

The following regulations shall apply to Hospitals:

A. Frontage and Access

Hospitals shall have a minimum of 660 feet of frontage on a paved major arterial or highway and the main means of access to the hospital for patients, visitors, and employees shall be via the arterial or highway. In no case shall access to a hospital be off of a residential street. A minimum of two (2) entrances/exits shall be provided located no less than 330 feet apart.

B. Setbacks

The principal building and all accessory buildings shall be set back a minimum distance of one hundred (100) feet from all property lines. The minimum setback shall be increased twenty (20) feet for each story in excess of two (2) stories.

C. Screening

Ambulance and emergency entrance areas shall be screened from view from adjacent residences by the building design or by a masonry wall constructed in accordance with Chapters 18 and 20 of this Ordinance.

SECTION 17.20 JUNK YARDS OR SALVAGE YARDS

The following regulations shall apply to Junk Yards and Salvage Yards:

A. Setbacks

A minimum setback of two hundred fifty (250) feet shall be maintained between the front property line and the portion of the lot on which junk materials are placed or stored. All buildings, fencing and junk materials shall be set back at least two hundred fifty (250) feet from any road or highway right-of-way line, and at least three hundred (300) feet from any property line which abuts a residentially-zoned district.

B. Screening

The entire junk yard or salvage yard site shall be screened with an eight (8) foot obscuring masonry wall, or solid wood fence constructed in accordance with Chapter 18. The wall or fence shall be uniformly painted and maintained in neat appearance, and shall not have any signs or symbols painted on it.

C. Surfacing

All roads, driveways, parking lots, and loading and unloading areas shall be paved or treated in a manner approved by the Planning Commission so as to confine any wind-borne dust within the boundaries of the site.

D. **Regulated Activities**

Open burning shall be prohibited. All fluids shall be drained from vehicles and disposed of in a proper manner prior to the vehicles being stored on the site.

E. **Permits**

All required Township, County, and State permits shall be obtained prior to establishing a junkyard.

F. **Stacking**

Junk, automobiles, or other debris shall not be stacked in a manner such that the material could be visible outside the site. Junkyards shall not be located in areas where it would be impossible to screen them from view from adjacent properties or public roads.

SECTION 17.21 KENNELS

The following regulations shall apply to Kennels as defined herein.

A. **Operation**

Any such kennel shall be subject to all permit and operational requirements established by County and State regulatory agencies.

B. **Lot Size**

The lot on which any such kennel is located shall be a minimum of five (5) acres in size. If more than five (5) animals over the age of six (6) months are housed in the kennel, an additional seven thousand (7,000) square feet shall be required for every additional animal over six (6) months of age.

C. **Setbacks**

Buildings in which animals are kept, animal runs, and exercise areas shall be located at least one hundred (100) feet from any property line.

D. **Sound Control**

All animals shall be housed in a masonry building which is fully soundproofed, using insulation, soundboards, and acoustic tile. The animals shall be kept inside the building between the hours of 9:00 p.m. and 7:00 a.m.

E. **Odor Control**

Non-absorbent surfaces (such as sealed concrete or ceramic tile) shall be used throughout the kennel. Dog waste shall be power flushed or otherwise removed on a regular schedule, but no less than four (4) times daily.

F. **Kennels Prohibited in Subdivisions**

Regardless of lot size, kennels shall not be permitted in platted subdivisions or condominium developments.

SECTION 17.22 LARGE SCALE INSTITUTIONAL USES, INCLUDING LARGE SCALE CHURCHES

Large scale institutional uses including large scale churches, as defined in Chapter 3 shall be subject to the conditions that follow:

A. Frontage

The site shall have at least 150 feet of frontage on a hard-surfaced major thoroughfare with an existing or planned right-of-way of not less than one hundred twenty (120) feet. All ingress and egress to the site shall be directly onto such major thoroughfare(s).

B. Setbacks

All buildings, structures, and parking and loading areas shall be set back a minimum of one hundred (100) feet from any abutting residential zoning district. Such setback area shall be heavily landscaped so as to create a complete visual and physical separation between the two unlike land uses, forming an effective screen in compliance with the provisions of Chapter 20 of this Ordinance.

C. Traffic

Traffic from events (including church worship services) and other large assemblies shall be controlled by the institution or church or by its agents so as to not create congestion or unreasonable delays on the public street. A schedule of expected frequency of events (including church worship services) and assemblies, a description of the method(s) of traffic control, and a traffic impact study and shall be presented to the Planning Commission for approval.

D. Associated Uses

Associated uses on the site such as recreation centers, retreat facilities, conference centers, schools (if not the primary use), convents, day care, nurseries and others shall meet all requirements of this Ordinance for such uses.

E. Parking Screening

All parking spaces and aisles shall be screened from off-site view in accordance with the requirements of Chapter 17 of this Ordinance.

F. Sound Control

There shall be no outside loudspeakers or amplified sound outside of a totally enclosed building.

G. Storage

Storage of maintenance equipment shall be entirely within a totally enclosed building.

SECTION 17.23 MINI WAREHOUSES

The following regulations shall apply to Mini-Warehouses:

A. Permitted Use

Mini-warehouse establishments shall provide for storage only, which must be contained within an enclosed building. No water or telephone service shall be provided to individual storage units and electrical service shall be limited to serve basic lighting and security systems.

B. Site Enclosure

The entire site, exclusive of access drives, shall be enclosed with a six (6) foot high chain link fence. Fences in excess of six (6) feet or intended to include barbed wire shall only be permitted in districts as otherwise permitted in this Ordinance.

C. Exterior Appearance

The exterior of any mini-warehouse shall be of finished quality and design, compatible with the design of structures on surrounding property.

D. Resident Manager

A resident manager may be permitted on the site for the purposes of maintaining the operation of the facility in conformance with the conditions of the approval.

E. On-Site Circulation and Parking

1. All one-way driveways shall be designed with one ten (10) foot wide loading/unloading lane and one fifteen (15) foot travel lane.
2. All two-way driveways shall be designed with one ten (10) foot wide loading/unloading lane and two (2) twelve (12) foot travel lanes.
3. The parking lanes may be eliminated if the driveway does not serve storage units. Signs and painted lines shall be used to indicate parking and traffic direction throughout the site.

SECTION 17.24 MOTELS AND HOTELS

The following regulations shall apply to Motels:

A. Design

Each unit shall contain at least a bedroom and bath and a minimum gross floor area of two hundred fifty (250) square feet.

B. Services

Motels shall provide customary motel services, such as maid service, linen service, telephone and/or desk service.

C. **Parking**

Off-street parking for semi-trailers shall be specifically designated and separated from passenger vehicles.

SECTION 17.25 OPEN AIR BUSINESS, COMMERCIAL OUTDOOR DISPLAY, SALES OR STORAGE

The following regulations shall apply to all such uses, whether operated year round or on an intermittent basis, or as a principal or accessory use:

A. **Driveway Location**

The nearest edge of any driveway serving an open-air business shall be located at least sixty (60) feet from any street or road intersection (as measured from the nearest intersection right-of-way) and at least twenty (20) feet from any side property line.

B. **Setbacks**

Parking shall be setback a minimum of ten (10) feet from any road right-of-way line. No outdoor storage shall be permitted in any required front, side, or rear yard of buildings for the district in which the commercial outdoor display, sales or storage use is located.

C. **Lot Width**

The minimum lot width for open-air businesses shall be one hundred and fifty (150) feet.

D. **Loading and Parking**

All loading, truck maneuvering and parking areas for open-air businesses shall be confined within the boundaries of the site, and shall not be permitted to spill over onto adjacent roads.

E. **Storage**

Any stockpiles of soils, fertilizer or similar loosely packaged materials shall be sufficiently covered or contained to prevent dust or blowing of materials. Storage areas shall consist of a permanent, durable and dustless surface (gravel) and shall be graded and drained to dispose stormwater without a negative impact on adjacent property.

F. **Sales and Display**

All outdoor sales and display areas shall have an approved paved or aggregate surface and a stormwater drainage system.

G. **Screening**

All outdoor sales, display or storage area property lines adjacent to a residential district shall be screened in accordance with Chapters 18 and 20.

H. **Outdoor Display of Vehicles**

The outdoor display of new or used automobiles, boats, mobile homes, recreational vehicles, trailers, trucks, or tractors which are for sale, rent, or lease shall comply with the requirements in Section 17.06.

I. Plant Material Nursery

Nurseries which deal with plant materials shall comply with the following:

1. Plant storage and display areas shall comply with the minimum setback requirements for the district in which the nursery is located.
2. The storage of soil, fertilizer, and similar loosely packaged materials shall be contained and covered to prevent it from blowing onto adjacent properties.

J. Flea Markets

Flea markets shall not be permitted as a year round use.

K. Permit Required

A temporary endeavor permit shall be required for all intermittent uses.

**SECTION 17.26 RADIO, TELEVISION AND OTHER COMMUNICATIONS TOWERS
(COMMERCIAL AND PUBLIC)**

The following regulations shall apply to radio and television towers, microwave towers, and other communication antennae/towers (but not including wireless communication or “cellular” towers):

A. Setbacks

Any such tower shall be set back from all property lines a minimum distance of fifty (50) feet greater than the height of the tower except in the case that the Planning Commission determines that a lesser setback is needed. The Planning Commission’s determination shall be based upon engineering evidence provided by the applicant that the tower is self-collapsing. All guide wires, supports and anchors must adhere to district setback requirements.

B. Fencing

An open weave, eight (8) foot high chain link fence shall be constructed around the entire perimeter, in accordance with Chapter 18.

C. State and Federal Regulations

Radio, television, and other types of communication towers shall be constructed, maintained, and operated in conformance with applicable state and federal laws.

D. Location

Such towers shall be permitted in the C-1, C-2 and I Districts only.

E. Landscaping

The base of such towers shall be landscaped for screening in accordance with Chapter 20 of this Ordinance.

SECTION 17.27 RECREATION FACILITIES

A. Campgrounds

Campgrounds for travel trailers, tents, tent-campers, and motor homes, shall comply with the following requirements:

1. Setbacks.

Buildings, structures, and areas designated for camping shall be located a minimum of one hundred (100) feet from all property lines. The storage of vehicles not set up for occupancy shall be located a minimum of two hundred (200) feet from all property lines, and shall be screened in accordance with Chapter 20.

2. Minimum Campsite Size.

Each campsite shall be at least two thousand (2,000) square feet in size for campsites designed to serve motor homes, trailers, etc. Campsites designed for tent camping shall be at least six hundred (600) square feet in size.

3. Utilities.

Each campsite shall either be provided with individual electric and water hookups approved by the Allegan County Health Department, or shall have convenient access to approved service buildings. Sewer hook-ups are optional.

4. Minimum Parcel Size.

A campground shall have a minimum of twenty (20) acres.

5. Temporary Residency.

Campgrounds shall be for seasonal recreation use only. This provision shall not apply to the manager or caretaker.

6. Accessory Use.

Accessory uses shall include but not be limited to rental cabins and trailers, swimming docks, and game rooms.

B. Commercial Outdoor Recreation Facilities

Outdoor recreation facilities, such as, but not limited to recreational fields, rinks or courts, including football, softball, soccer, tennis basketball, ice skating, and similar activities, swimming pools open to the general public or operated by a private non-profit organization, archery and shooting ranges, commercial riding stables, animal racing, music concert pavilions and band shells, amusement parks and uses accessory to the above uses, such as refreshment stands, retail shops selling items related to the above uses, maintenance buildings, office for management

functions, spectator seating and service areas, including locker rooms and rest rooms, shall comply with the following regulations:

1. **Setbacks.**

Principal and accessory buildings shall be set back at least seventy-five (75) feet from all property lines, unless otherwise specified herein.

2. **Access.**

Outdoor recreation uses shall have direct access onto a principal arterial.

3. **Impact on Surrounding Properties.**

The location, layout, design, or operation of outdoor recreation facilities shall not impair the continued enjoyment, use, and future orderly development of adjacent and nearby properties. The Planning Commission may specify the hours of operation in order to assure compatibility with adjacent uses.

4. **Nuisance Impacts.**

Outdoor recreation uses shall not generate excessive noise, odors, dust, or other impacts, such that the continued use and enjoyment of adjacent properties would be impaired. The site shall be periodically cleared of debris.

5. **Parking.**

All parking for outdoor recreation uses shall be provided in off-street parking lots, designed in accordance with Chapter 17, and set back a minimum of forty (40) feet from any residential district.

6. **Screening.**

Outdoor recreation uses shall be screened from view from adjacent property zoned or used for residential purposes, in accordance with Chapters 18 and 20.

7. **Accessory Facilities.**

Accessory retail or commercial facilities, such as food and beverage facilities or equipment shops, shall be designed to serve only the patrons of the outdoor recreation facility, unless otherwise listed as a permitted use in the district in which the facility is located.

C. **Off-Road Vehicle and Snowmobile Trails, Outdoor Gun Ranges, and Auto Racing Tracks**

Courses or trails for off-road vehicles, snowmobiles, gun ranges or similar use shall comply with the following regulations:

1. **Minimum Parcel Size.**

A minimum of eighty (80) acres shall be required for such uses or other size parcel deemed appropriate for the proposed use by the Planning Commission.

2. **Location.**

The site shall be located in a predominantly undeveloped area so as to minimize adverse impact on adjacent uses.

3. **Operations Plan.**

The applicant shall provide an operations plan clearly outlining the types, location and intensity of uses approved by the Planning Commission. The Planning Commission may regulate the operation and hours of activity to minimize any adverse effects on adjacent properties.

D. **Private Institutional or Community Recreation Facilities and Athletic Clubs.**

1. **Enclosure.**

Outdoor swimming pools in single family districts shall be enclosed within a six (6) foot high fence. All fences shall be subject to the requirements in Chapter 18. Entry shall be by means of a self-closing, self-latching gate. The latch shall be on the inside so that it is not readily available for children to open. Gates shall be securely locked when the pool is not in use.

2. **Setbacks.**

Swimming pools in single family districts shall be setback at least 100 feet from any property line that abuts a residential district. In all other districts swimming pools shall be set back a minimum distance of sixty (60) feet from all property lines. In no case shall a swimming pool be located in an easement or right-of-way.

3. **Swimming Pool Clubs.**

Swimming pool clubs in residential districts shall be incorporated as non-profit organizations, and shall be maintained and operated for the exclusive use of members and their guests. Membership shall be limited by subdivision or another clearly-defined geographic area as specified in the club's charter of incorporation.

4. **Site.**

The proposed site for any of the uses permitted herein which would attract persons from or are intended to serve areas beyond the immediate neighborhood shall have at least one property line abutting an arterial road, and the site shall be so planned as to provide all ingress and egress directly onto or from said road.

5. **Landscaping.**

All such landscaping shall be maintained in a healthy condition. There shall be no parking or structures permitted in these yards, except required entrance drives and those walls used to obscure the use from abutting residential districts. Front, side and rear yards shall be landscaped in trees, shrubs and grass.

6. **Parking.**

Off-street parking shall be provided so as to accommodate not less than one half of the member families and/or individual members. The Planning Commission may modify the off-

street parking requirements in those instances wherein it is determined that the users will be pedestrian and originate from the immediately adjacent areas. Prior to the issuance of a building permit or zoning compliance permit, by-laws of the organization shall be provided in order to establish the membership involved for computing the off-street parking requirements. In those cases wherein the proposed use or organization does not have by-laws or formal memberships, the off-street parking requirements shall be determined by the Planning Commission on the basis of usage.

7. Other Standards.

Swimming pools shall meet the standards of Chapter 18 and all applicable township building and county health codes.

E. Indoor Recreation Facilities

Indoor recreation facilities, such as, but not limited to, bowling establishments, fitness centers, indoor archery ranges, indoor firearms ranges, indoor tennis courts, indoor skating rinks, arcades, indoor driving ranges, and similar indoor recreation uses shall comply with the following regulations:

1. Setbacks.

Indoor recreation uses shall be set back a minimum of seventy-five (75) feet from any property line which abuts a residential district.

2. Adverse Impacts.

The location, design, and operation of an indoor recreation use shall not adversely affect the continued use, enjoyment, and development of adjacent properties. In considering this requirement, particular attention shall be focused on the adverse impact resulting from loitering on the premises.

3. Buildings.

All uses shall be conducted completely within a fully enclosed building. The buildings shall be sound-proof and consistent with the Township Noise Abatement Ordinance.

4. Access.

Indoor recreation uses shall have direct access onto a principal arterial road.

SECTION 17.28 ROAD STANDS

The following regulations shall apply to all Roadside Stands, which shall be temporary uses, as defined in Chapter 3:

A. Use

Each farm may have a maximum of one (1) seasonal roadside stand, and all produce or products for sale shall be grown on the premises or be made from produce grown on the premises.

B. Building Size

Any roadside stand shall not be greater than two hundred fifty (250) square feet in size, nor shall it have more than one (1) story. The stand shall be of portable construction, permitting it to be removed from its roadside location during seasons when it is not in use.

C. Site Maintenance

Suitable trash containers shall be placed on the premises for public use. Adequate provisions shall be made for waste collection and removal. Plant and vegetable waste shall be removed daily so that it does not rot or cause odors. Litter shall be picked up and disposed of daily. Crates and equipment shall be stored out of view.

D. Building Setbacks.

Any building containing a roadside stand shall be located no closer than forty-five (45) feet to the nearest edge of the paved surface of any paved public road, and no closer than forty-five (45) feet to the improved gravel surface of any unpaved public road.

E. Parking

Off-street parking may be provided in the required front yard setback area. Parking shall conform to the regulations in Chapter 17, except that hard-surfacing shall not be required. Parking maneuvering shall not conflict with traffic flow on the road.

F. Signs

Signs used in connection with the roadside stand shall be temporary, and shall be removed when the stand is not in use. No sign shall be placed within a public right-of-way and shall meet clear vision requirements.

SECTION 17.29 SCHOOLS, PUBLIC/PRIVATE/PAROCHIAL

Public, private and parochial elementary, intermediate or high schools licensed by the State of Michigan to offer courses permitted subject to the following conditions:

A. The minimum lot or parcel width shall be three hundred (300) feet.

B. The minimum lot or parcel area shall be:

- Ten (10) acres for elementary schools
- Twenty (20) acres for intermediate schools
- Forty (40) acres for high schools

C. The lot or parcel location shall be such that at least one (1) property line abuts a collector road or arterial road. All ingress and egress shall be directly onto said roads.

SECTION 17.30 STABLES AND RIDING ARENAS

A. Private Stables

Private stables, as defined in Chapter 3 of this Ordinance, are intended for the keeping of horses or other large animals for the non-commercial use of the residents of the principal residential use on the site. Private stables shall comply with the following requirements:

1. Minimum Size

Private stables shall have a minimum of one (1) acre of open pasture per horse.

2. Setbacks

All buildings in which animals are kept shall be located a minimum of one hundred (100) feet from any property line.

3. Maintenance

All stables shall be constructed and maintained so that odor, dust, noise, and drainage shall not create a nuisance or hazard to adjoining properties. All manure shall be stored at least one hundred (100) feet from any property line and shall not be a nuisance.

B. Public Stables

Public stables, as defined in this Ordinance, shall comply with the following:

1. Minimum Size

Public stables shall have a minimum of one (1) acre per animal, but in no event shall there be less than twenty (20) acres.

2. Setbacks

All buildings in which animals are kept shall be located a minimum of one hundred (100) feet from any property line and a minimum of fifty (50) feet from any occupied dwelling and any other building used by the public. However, horses may be pastured to the property line, except that horses may be pastured no closer to the road than the front setback line or the front of the house, whichever is greater, unless otherwise permitted by the Planning Commission.

3. Maintenance

All stables shall be constructed and maintained so that odor, dust, noise, and drainage shall not create a nuisance or hazard to adjoining properties. All manure shall be stored at least one hundred (100) feet from any property line and shall not be a nuisance.

C. Riding Arenas

Riding arenas may be permitted as an accessory use in the AG District subject to the following requirements:

1. Minimum Size

Riding arenas shall have a minimum of one (1) acre per animal, but in no event shall there be less than ten (10) acres.

2. **Private Use**

Riding arenas shall not be open to the general public. Accordingly, grandstands and other public facilities shall be prohibited. However, observation platforms or similar viewing facilities are permitted.

3. **Setbacks**

The riding arena shall be located at least one hundred (100) feet from any property line. Outdoor tracks shall be permitted provided they are setback at least fifty (50) feet from any property line.

All buildings in which animals are kept shall be located a minimum of one hundred (100) feet from any property line and a minimum of fifty (50) feet from any occupied dwelling and any other building used by the public. However, horses may be pastured to the property line.

4. **Maximum Height**

Riding arenas shall comply with the height requirements for the district in which they are located.

5. **Maintenance**

Riding arenas shall be constructed and maintained so that odor, dust, noise, and drainage shall not create a nuisance or hazard to adjoining properties. All manure shall be stored at least one hundred (100) feet from any property line and shall not be a nuisance.

6. **Permitted Use**

Riding arenas shall be used for no other purpose except for riding, exercising, and training of horses. Riding arenas may contain stables.

7. **Approval Criteria**

The Planning Commission shall determine that all of the following criteria will be met prior to approving the plans for a riding arena:

- a. All requirements set forth in this sub-section will be complied with.
- b. The arena will be for private use only for riding horses that are permanently stabled on the same property.
- c. No living quarters will be located in the arena building.
- d. The arena will be compatible in terms of appearance and function with surrounding land uses.

- e The arena is not likely to negatively affect the value of other property in the area in which it is located.

D. Stables for Breeding and Training Horses

Stables which are used solely for breeding and training horses and which do not satisfy the definition of "private or public stable" or "riding arena" shall be considered bona fide farms, as defined in Chapter 3, and shall be subject to the regulations applicable to farms.

SECTION 17.31 TRUCK STOPS

Truck stops shall be subject to the following regulations:

A. Minimum Lot Size and Width

Minimum lot size shall be five (5) acres. Minimum lot width shall be 300 feet.

B. Location

No such site shall abut residentially zoned property.

C. Parking

Adequate parking and maneuvering area shall be provided for truck layover, truck scales and stacking at fuel islands.

D. Ingress and Egress

Ingress and egress drives shall be a minimum of thirty six (36) feet in width. No more than one (1) such drive or curb opening shall be permitted for every one hundred fifty (150) feet of frontage (or fraction thereof) along any street. No such entrance or exit drive shall face any property zoned or used for residential purposes.

E. Layout

All lubrication equipment, vehicle wash equipment, and repair facilities shall be enclosed entirely within a building. Fuel pumps shall be located so that motor vehicles do not park on or extend over abutting landscaped areas, sidewalks, streets, buildings, or adjoining property while being served. Service bay doors and windows shall be oriented so that they do not face onto adjacent thoroughfares unless screened by landscaping.

F. Outside Storage

Outside storage of inoperable, wrecked or partially dismantled vehicles or parts salvage is prohibited. Disabled vehicles shall be removed from the site within two (2) days. Such vehicles must be stored in the rear yard within a six (6) foot masonry screening wall or an acceptable substitute that is not less than six (6) feet in height.

Outdoor storage of truck or automotive parts or supplies is prohibited. Outdoor display or storage of food, beverages, seasonal supplies (such as hunting or fishing supplies), and similar retail items is also prohibited.

G. Vehicle Sales and Storage

The storage, sales, or rental of new or used trucks, trailers, and any other vehicles on the premises is prohibited.

H. Groundwater Protection

The applicant shall submit a Pollution Incidence Protection Plan (PIPP). The PIPP shall describe measures to prevent groundwater contamination caused by accidental gasoline spills or leakage, such as special check valves, drain back catch basins and automatic shut off valves, as approved by the Fire Department.

SECTION 17.32 VETERINARY CLINICS

Veterinary clinics shall comply with the following requirements:

A. Small Animal Clinics

All activities shall be conducted within a completely enclosed building. If the small animal clinic does not include outdoor kennels, animal runs or exercise areas, the setbacks of the district for principal buildings shall apply. Outdoor animal runs and kennels shall meet the setback requirements for kennels.

B. Large Animal Clinics

1. Range of Services

The veterinary clinic shall cater to horses, livestock and other farm animals. A small animal clinic may be an accessory use.

2. Accessory Office Uses

Any office area shall be an accessory use to the clinic and shall be attached to the treatment or surgical facilities.

3. Setbacks

All buildings in which animals are kept shall be located a minimum of one hundred (100) feet from any property line and a minimum of fifty (50) feet from any occupied dwelling and any other building to be used by the public.

4. Maintenance

All stables and treatment areas shall be constructed and maintained so that odor, dust, noise, and drainage shall not create a nuisance or hazard to adjoining properties. All manure shall be removed from the premises or spread and cultivated so as not to be a nuisance and to control odors and flies.



PERMIT INFORMATION CHECKLIST FOR FARMS

www.michigan.gov/deqpermits

The Department of Environmental Quality (DEQ) has prepared a list of key questions to help identify what DEQ permits, licenses, or approvals of a permit-like nature may be needed. By contacting the appropriate offices indicated, you will help reduce the possibility that your project or activity will be delayed due to the untimely discovery of additional permitting requirements later in the construction process. While this list covers the existence of permits and approvals required from the DEQ, it is not a comprehensive list of all legal responsibilities. A useful way to learn whether other requirements will apply is to go through the Self-Environmental Assessment in the Michigan Guide to Environmental, Health, and Safety Regulations, online at: <http://www.michigan.gov/ehsguide>. Please call the Environmental Assistance Center at 800-662-9278 to talk with any of the DEQ programs noted below.

KEY QUESTIONS:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	PROGRAM WEBPAGE AND CONTACTS
CONSTRUCTION PERMITS			
<i>Air Quality Permit to Install:</i> Will your business involve the installation or construction of any process equipment that has the potential to emit air contaminants (e.g. dry sand blasting, boilers, standby generators)?	Y <input type="checkbox"/>	N <input type="checkbox"/>	Air Quality Division (AQD), Permit Section
<i>Asbestos Notification:</i> Does the project involve renovating or demolishing all or portions of a building? Notification is required for asbestos removal and required for all demolitions even if the structure never contained asbestos.	Y <input type="checkbox"/>	N <input type="checkbox"/>	AQD, Asbestos Program , 517-284-6777
<i>Land and Water Featured Programs (Water Resources Division) - USACE Consolidated Permits:</i> Please consult the Permitting at the Land and Water Interface Decision Tree document to evaluate whether your project needs a land and water management permit (i.e., Does the project involve filling, dredging, placement of structures, draining, or use of a wetland?).	Y <input type="checkbox"/>	N <input type="checkbox"/>	Water Resources Division (WRD), 517-284-5567 Joint Permit Application
<i>Storm Water Discharge to Wetlands:</i> Will storm water be collected, stored, or treated in a wetland area from a public road, industrial, commercial, or multi-unit residential development?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, Joint Permit Application , 517-284-5567
Great Lakes: Does the project involve construction, filling, or dredging below the Ordinary High Water Mark of one of the Great Lakes?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, Joint Permit Application , 517-284-5567
Inland Lakes and Streams: Does the project involve any dredging, filling, placement of structures, or the operation of a marina within an inland waterbody (e.g. lake, river, stream, drain, creek, ditch, or canal), enlargement of a waterbody, or excavation of a pond within 500 feet of a waterbody?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, Joint Permit Application , 517-284-5567
<i>Storm Water Ponds and Discharges to Inland Lakes/Streams, or Great Lakes:</i> Will storm water from any road or any other part of the development be discharged either directly or ultimately to an inland waterbody, or one of the Great Lakes; or will a storm water pond be constructed within 500 feet of an inland waterbody?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, Joint Permit Application , 517-284-5567
Does the project involve placement of fill, earth moving, or placement of structures within the 100-year <i>floodplain</i> of a watercourse?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, Joint Permit Application , 517-284-5567
<i>Soil Erosion and Sedimentation Control:</i> Does the project involve an earth change activity (including land balancing, demolition involving soil movement, and construction)?	Y <input type="checkbox"/>	N <input type="checkbox"/>	Soil Erosion and Construction Storm Water , 517-284-5588 or your Local Agency
<i>NPDES Storm Water Discharge from Construction Sites Notice of Coverage:</i> Does the project involve construction which will disturb one or more acres that come into contact with storm water that enters a storm sewer, drain, lake, stream, or other surface water?	Y <input type="checkbox"/>	N <input type="checkbox"/>	NPDES Storm Water Permits Program , 517-284-5588 or DEQ District Office
Does the project involve construction of a building or septic system in a designated Great Lakes <i>high risk erosion area</i> ?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, Shoreland Management , 517-284-5567

Does the project involve dredging, filling, grading, or other alteration of the soil, vegetation, or natural drainage, or placement of permanent structures in a designated <i>environmental area</i> ?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, Shoreland Management , 517-284-5567
Does the project propose any development, construction, silvicultural activities or contour alterations within a designated <i>critical dune area</i> ?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, Sand Dune Management , 517-284-5567
Does the project involve construction of a facility that landfills, transfers, or processes of any type of <i>solid non-hazardous waste</i> on-site, or places <i>industrial residuals/sludge</i> into or onto the ground?	Y <input type="checkbox"/>	N <input type="checkbox"/>	Office of Waste Management and Radiological Protection (OWMRP), Solid Waste , 517-284-6588 or DEQ District Office
WATER SUPPLY (More information, see: http://www.michigan.gov/deqwater , select "drinking water")			
I am buying water from my community water supply (i.e. city of Detroit or Grand Rapids)	Y <input type="checkbox"/>	N <input type="checkbox"/>	Contact Local Water Utility , 517-284-6512
I have a private or other water supply well (Type III)	Y <input type="checkbox"/>	N <input type="checkbox"/>	Contact (District or County) Local Health Department , 517-485-0660
I have a Non-Community Water Supply (Type II)	Y <input type="checkbox"/>	N <input type="checkbox"/>	Guide, Contact (District or County) Local Health Department , 517-485-0660
I am a community water supply (Type I)	Y <input type="checkbox"/>	N <input type="checkbox"/>	Community Water Supply, DEQ District Office Community Water Supply Program , 517-284-6512
OPERATIONAL PERMITS			
NPDES: Does the project involve the discharge of any type of wastewater to a storm sewer, drain, lake, stream, or other surface water ?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, DEQ District Office , or National Pollutant Discharge Elimination (NPDES) Permit Program , 517-284-5568
Does the project involve the discharge of wastewaters into or onto the ground (e.g. subsurface disposal or irrigation)?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, Groundwater Permits Program , 517-290-2570
Does the project involve the drilling or deepening of wells for waste disposal ?	Y <input type="checkbox"/>	N <input type="checkbox"/>	Office of Oil, Gas and Minerals (OOGM), 517-284-6841
Does the project involve landfilling, transferring, or processing of any type of solid non-hazardous waste on-site, or placing industrial residuals/sludge into or onto the ground?	Y <input type="checkbox"/>	N <input type="checkbox"/>	OWMRP , 517-284-6588 or DEQ District Office
Does the project require a site identification number (EPA number) for regulated waste activities (used oil, liquid waste, hazardous waste, universal waste, PCBs)? (Hazardous Waste Program Forms & License Applications)	Y <input type="checkbox"/>	N <input type="checkbox"/>	OWMRP, 517-284-6562, DEQ District Office
Does the project involve the generation of medical waste or a facility that treats medical waste prior to its disposal?	Y <input type="checkbox"/>	N <input type="checkbox"/>	OWMRP, Medical Waste Regulatory Program , 517-284-6594
Do you desire to develop a withdrawal of over 2,000,000 gallons of water per day from any source other than the Great Lakes and their connecting waterways? Or, do you desire to develop a withdrawal of over 5,000,000 gallons of water per day from the Great Lakes or their connecting waterways?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, DWEHS, Source Water Protection Unit , 517-284-6513
CHEMICAL ADDITION PROJECTS			
Are you using chemicals or materials in, or in contact with, drinking water at any point in the water works system ?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, DEQ District Office, Public Water Supply Program , 517-284-6512
Are you applying a chemical treatment for the purpose of aquatic nuisance control (pesticide/herbicide etc) in a water body (i.e. lake, pond or river)?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, Aquatic Nuisance Control and Remedial Action Unit, 517-284-5593
Are you applying materials to a water body for a water resource management project (i.e. mosquito control treatments, dye testing, or fish reclamation projects)?	Y <input type="checkbox"/>	N <input type="checkbox"/>	WRD, Surface Water Assessment Section , 517-331-5228

OPERATIONAL SECTOR SPECIFIC PERMITS			
Does your laboratory test potable water as required for compliance and monitoring purposes of the Safe Drinking Water Act?	Y <input type="checkbox"/>	N <input type="checkbox"/>	DEQ, Laboratory Services Certifications , 517-284-5424
Does the project involve the generation of medical waste or a facility that treats medical waste prior to its disposal?	Y <input type="checkbox"/>	N <input type="checkbox"/>	OWMRP, Medical Waste Regulatory Program , 517-284-6594
Do you store, haul, shred or process scrap tires ?	Y <input type="checkbox"/>	N <input type="checkbox"/>	OWMRP, Scrap Tire Program , 517-284-6586
Does the project involve the transport of hazardous waste ?	Y <input type="checkbox"/>	N <input type="checkbox"/>	OWMRP, Transporter Program , 517-284-6562
Does the project involve transport of septic tank, cesspool, or dry well contents or the discharge of septage or sewage sludge into or onto the ground?	Y <input type="checkbox"/>	N <input type="checkbox"/>	ODWMA, Septage Program , 517-284-6535
STORAGE TANKS (CONSTRUCTION AND OPERATION)			
Does the project involve the installation of an aboveground storage tank for a flammable or combustible liquid (under 200 degrees Fahrenheit)?	Y <input type="checkbox"/>	N <input type="checkbox"/>	Michigan Department of Licensing and Regulatory Affairs (DLARA) - Storage Tank Unit , 517-335-7211
Does the project involve the installation of a liquefied petroleum gas container filling location or storage location that has a tank with a capacity of more than 2,000 gallons or has two (2) or more tanks with an aggregate capacity of more than 4,000 gallons?	Y <input type="checkbox"/>	N <input type="checkbox"/>	DLARA - Storage Tank Unit , 517-335-7211
Does the project involve the installation, removal, or upgrade of an underground storage tank containing a petroleum product or a hazardous substance?	Y <input type="checkbox"/>	N <input type="checkbox"/>	DLARA - Storage Tank Unit , 517-335-7211



PERMIT INFORMATION

www.michigan.gov/deqpermits

The Department of Environmental Quality (DEQ) has prepared a list of key questions to help identify what DEQ permits, licenses, or approvals of a permit-like nature may be needed. By contacting the appropriate offices indicated, you will help reduce the possibility that your project or activity will be delayed due to the untimely discovery of additional permitting requirements later in the construction process. While this list covers the existence of permits and approvals required from the DEQ, it is not a comprehensive list of all legal responsibilities. A useful way to learn whether other requirements will apply is to go through the Self-Environmental Assessment in the Michigan Guide to Environmental, Health, and Safety Regulations, online at: <http://www.michigan.gov/ehsguide>. Please call the Environmental Assistance Center at 800-662-9278 to talk with any of the DEQ programs noted below.

How Do I Know that I Need a Construction Permit?	Yes	No
1) Will your business involve the installation or construction of any process equipment that has the potential to emit air contaminants (e.g. dry sand blasting, boilers, standby generators)? Air Quality Permit to Install, Air Quality Division (AQD), Permit Section	Y <input type="checkbox"/>	N <input type="checkbox"/>
2) Does the project involve renovating or demolishing all or portions of a building? Notification is required for asbestos removal and required for all demolitions even if the structure never contained asbestos. Asbestos Notification, AQD, Asbestos Program , 517-284-6777	Y <input type="checkbox"/>	N <input type="checkbox"/>
3) Please consult the Permitting at the Land and Water Interface Decision Tree document to evaluate whether your project needs a land and water management permit (i.e., Does the project involve filling, dredging, placement of structures, draining, or use of a wetland?). Land and Water Featured Programs (Water Resources Division - WRD) - Joint Permit Application , 517-284-5567: <ul style="list-style-type: none"> a. Does the project involve construction of a building or septic system in a designated Great Lakes high risk erosion area? b. Does the project involve dredging, filling, grading, or other alteration of the soil, vegetation, or natural drainage, or placement of permanent structures in a designated environmental area? c. Does the project propose any development, construction, silvicultural activities or contour alterations within a designated critical dune area? d. Does the project involve construction of a dam, weir or other structure to impound flow? 	Y <input type="checkbox"/>	N <input type="checkbox"/>
4) Does the project involve an earth change activity (including land balancing, demolition involving soil movement, and construction) or does the project involve construction which will disturb one or more acres that come into contact with storm water that enters a storm sewer, drain, lake, stream, or other surface water? Soil Erosion and Construction Storm Water , 269-567-3515, or Local Agency	Y <input type="checkbox"/>	N <input type="checkbox"/>
5) Does the project involve the construction or alteration of a water supply system or sewage disposal system for a manufactured housing project? Office of Drinking Water & Municipal Assistance (ODWMA), 269-491-4536	Y <input type="checkbox"/>	N <input type="checkbox"/>
6) Does the project involve construction or alteration of any sewage collection or treatment facility? WRD, Part 41 Construction Permit Program (staff), 906-228-4527, or DEQ District Office	Y <input type="checkbox"/>	N <input type="checkbox"/>
7) Public Swimming Pool Construction (Spas/Hot Tubs) Permits: Will your business involve the construction or modification of a public swimming pool, spa or hot tub? Public Swimming Pool Program , 517-284-6541, or DEQ District Office	Y <input type="checkbox"/>	N <input type="checkbox"/>
8) Does the project involve the construction or modification of a campground? ODWMA, Campgrounds program , 517-284-6529	Y <input type="checkbox"/>	N <input type="checkbox"/>

9) Does the project involve construction of a facility that landfills, transfers, or processes of any type of solid non-hazardous waste on-site, or places industrial residuals/sludge into or onto the ground? Office of Waste Management and Radiological Protection (OWMRP), Solid Waste , 517-284-6588, or DEQ District Office	Y <input type="checkbox"/>	N <input type="checkbox"/>
10) Does the project involve the construction of an on-site treatment, storage, or disposal facility for hazardous waste? OWMRP, Hazardous Waste Section, Treatment, Storage and Disposal , 517-284-6562	Y <input type="checkbox"/>	N <input type="checkbox"/>
Who Regulates My Drinking (Potable) Water Supply?		
11) I am buying water from my community water supply (i.e. city of Detroit or Grand Rapids), Contact Local Water Utility , 517-284-6512	Y <input type="checkbox"/>	N <input type="checkbox"/>
12) I have a Non-Community Water Supply (Type II) Guide , Contact (District or County) Local Health Department , 517-485-0660	Y <input type="checkbox"/>	N <input type="checkbox"/>
13) I am a community water supply (Type I) Community Water Supply, DEQ District Office Community Water Supply Program , 517-284-6512	Y <input type="checkbox"/>	N <input type="checkbox"/>
14) Do you desire to develop a withdrawal of over 2,000,000 gallons of water per day from any source including groundwater, inland surface water, or the Great Lakes and their connecting waterways? WRD, Great Lakes Shorelands Unit, Water Use Program, 517-284-5563	Y <input type="checkbox"/>	N <input type="checkbox"/>
Who Regulates My Wastewater Discharge System?		
15) NPDES: Does the project involve the discharge of any type of wastewater to a storm sewer, drain, lake, stream, or other surface water? WRD, DEQ District Office , or National Pollutant Discharge Elimination (NPDES) Permit Program , 517-284-5568	Y <input type="checkbox"/>	N <input type="checkbox"/>
16) Does the facility have industrial activity that comes into contact with storm water that enters a storm sewer, drain, lake, stream, or other surface water? WRD, Permits Section , or DEQ District Office , 517-284-5588	Y <input type="checkbox"/>	N <input type="checkbox"/>
17) Does the project involve the discharge of wastewaters into or onto the ground (e.g. subsurface disposal or irrigation)? WRD, Groundwater Permits Program , 517-290-2570	Y <input type="checkbox"/>	N <input type="checkbox"/>
18) Does the project involve the drilling or deepening of wells for waste disposal? Office of Oil, Gas and Minerals (OOGM), 517-284-6841	Y <input type="checkbox"/>	N <input type="checkbox"/>
What Operational Permits Are Relevant to My Operation and Air Emissions?		
19) Renewable Operating Permit: Does your facility have the potential to emit any of the following: 100 tons per year or more of any criteria pollutant; 10 tons per year or more of any hazardous air pollutant; or 25 tons per year or more of any combination of hazardous air pollutants? AQD, Permit Section , 517-284-6634	Y <input type="checkbox"/>	N <input type="checkbox"/>
20) Does your facility have an electric generating unit that sells electricity to the grid and burns a fossil fuel? AQD, Acid Rain Permit Program , 517-780-7843	Y <input type="checkbox"/>	N <input type="checkbox"/>
What Operational Permits Are Relevant to My Waste Management?		
21) Does the project involve landfilling, transferring, or processing of any type of solid non-hazardous waste on-site, or placing industrial residuals/sludge into or onto the ground? OWMRP , 517-284-6588 or DEQ District Office	Y <input type="checkbox"/>	N <input type="checkbox"/>
22) Does the project involve the on-site treatment, storage, or disposal of hazardous waste? OWMRP, Hazardous and Liquid Waste , 517-284-6562	Y <input type="checkbox"/>	N <input type="checkbox"/>

23) Does the project require a site identification number (EPA number) for regulated waste activities (used oil, liquid waste, hazardous waste, universal waste, PCBs)? (Hazardous Waste Program Forms & License Applications) OWMRP, DEQ District Office , 517-284-6562	Y <input type="checkbox"/>	N <input type="checkbox"/>
24) Does the project involve the receipt, possession, manufacture, use, storage, transport, transfer, release, or disposal of radioactive material in any form? OWMRP, Radioactive Material and Standards Unit , 517-284-6581	Y <input type="checkbox"/>	N <input type="checkbox"/>
25) Does the project involve decommissioning or decontamination of tanks, piping, and/or appurtenances that may have radioactive levels above background? OWMRP Radioactive Material and Standards Unit , 517-284-6581	Y <input type="checkbox"/>	N <input type="checkbox"/>
26) Does the project involve the generation of medical waste or a facility that treats medical waste prior to its disposal? OWMRP, Medical Waste Regulatory Program , 517-284-6594	Y <input type="checkbox"/>	N <input type="checkbox"/>
What Sector-Specific Permits May be Relevant to My Business?		
<u>Transporters</u>		
27) Does the project involve the <i>transport</i> of some other facility's non-hazardous liquid waste? OWMRP, Transporter Program , 517-284-6562	Y <input type="checkbox"/>	N <input type="checkbox"/>
28) Does the project involve the <i>transport</i> of hazardous waste? OWMRP, Transporter Program , 517-284-6562	Y <input type="checkbox"/>	N <input type="checkbox"/>
29) Do you engage in the business of transporting bulk water for drinking or household purposes (except for your own household use)? ODWMA, Water Hauler Information , 517-284-6527	Y <input type="checkbox"/>	N <input type="checkbox"/>
30) Does the project involve <i>transport</i> of septic tank, cesspool, or dry well contents or the discharge of septage or sewage sludge into or onto the ground? ODWMA, Septage Program , 517-284-6535	Y <input type="checkbox"/>	N <input type="checkbox"/>
31) Do you store, haul, shred or process <i>scrap tires</i> ? OWMRP, Scrap Tire Program , 517-284-6586	Y <input type="checkbox"/>	N <input type="checkbox"/>
<u>Sectors</u>		
32) Is the project a <i>dry cleaning</i> establishment utilizing perchloroethylene or a flammable solvent in the cleaning process? AQD, Dry Cleaning Program , 517-284-6780	Y <input type="checkbox"/>	N <input type="checkbox"/>
33) Does your <i>laboratory</i> test potable water as required for compliance and monitoring purposes of the Safe Drinking Water Act? Laboratory Services Certifications , 517-284-5424	Y <input type="checkbox"/>	N <input type="checkbox"/>
34) Does the project involve the operation of a <i>public swimming pool</i> ? ODWMA, Public Swimming Pools Program , 517-284-6529	Y <input type="checkbox"/>	N <input type="checkbox"/>
35) Does the project involve the operation of a <i>campground</i> ? ODWMA, Campgrounds , 517-284-6529	Y <input type="checkbox"/>	N <input type="checkbox"/>
What Permits Do I Need to Add Chemicals to Lakes and Streams?		
36) Are you applying a chemical treatment for the purpose of aquatic nuisance control (pesticide/herbicide etc.) in a water body (i.e. lake, pond or river)? WRD, Aquatic Nuisance Control , 517-284-5593	Y <input type="checkbox"/>	N <input type="checkbox"/>
37) Are you applying materials to a water body for a water resource management project (i.e. mosquito control treatments, dye testing, or fish reclamation projects)? WRD, Surface Water Assessment Section , 517-331-5228	Y <input type="checkbox"/>	N <input type="checkbox"/>

Why would I be subject to Oil, Gas and Mineral Permitting?		
38) Do you want to operate a central production facility (applies to oil and gas production facilities where products of diverse ownership are commingled)? OOGM, Petroleum Geology and Production Unit , 517-284-6826	Y <input type="checkbox"/>	N <input type="checkbox"/>
39) Does the project involve the removal of sand from a sand dune area within two (2) miles of a Great Lakes shoreline? OOGM, Minerals and Mapping Unit, Sand Dune Mining Program , 517-284-6826	Y <input type="checkbox"/>	N <input type="checkbox"/>
40) Does the project involve decommissioning or decontamination of tanks, piping, and/or appurtenances that may have radioactive levels above background? OWMRP, Radioactive Protection Programs , 517-284-6581	Y <input type="checkbox"/>	N <input type="checkbox"/>
Petroleum & Mining , OOGM, 517-284-6826		
41) Does the project involve the diversion and control of water for the mining and processing of low-grade iron ore?	Y <input type="checkbox"/>	N <input type="checkbox"/>
42) Does the project involve the surface or open-pit mining of metallic mineral deposits?	Y <input type="checkbox"/>	N <input type="checkbox"/>
43) Does the project involve the mining of nonferrous mineral deposits at the surface or in underground mines?	Y <input type="checkbox"/>	N <input type="checkbox"/>
44) Does the project involve mining coal?	Y <input type="checkbox"/>	N <input type="checkbox"/>
45) Does the project involve changing the status or plugging of a mineral well?	Y <input type="checkbox"/>	N <input type="checkbox"/>
46) Does the project involve the drilling or deepening of wells for brine production, solution mining, storage, or as test wells?	Y <input type="checkbox"/>	N <input type="checkbox"/>
Permits & Bonding , OOGM, 517-284-6841		
47) Do you want to change the status of an oil or gas well (i.e. plug the well)?	Y <input type="checkbox"/>	N <input type="checkbox"/>
48) Does the project involve drilling of oil, gas, brine disposal, secondary recovery, or hydrocarbon storage wells?	Y <input type="checkbox"/>	N <input type="checkbox"/>

If you need further assistance, please fill out the information below and email the form to deg-assist@michigan.gov.

Requester Information

First and Last Name:

Requester Phone:

E-mail:



NOTICE TO LOCAL UNIT(S) OF GOVERNMENT OF LAND USE RESTRICTIONS

This information and form is required under Sections 21310a(5) and 21316 of Part 213, Leaking Underground Storage Tanks (LUST), of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

Instructions: A person that implements corrective action activities that relies on land use restrictions shall provide notice of the land use restrictions that are part of the corrective action plan to the local unit of government in which the site is located within 30 days of filing of the land use restrictions with the county register of deeds. (1) Use this form to provide notice of land use restrictions that are part of the corrective action plan to the Local Unit(s) of Government (LUG). (2) Send the notice to the city, village or township clerk. Provide a copy to the County/District Health Department if groundwater exceeds Tier 1 residential screening levels. (3) Submit a copy of the notice and proof of providing the notice with the Closure Report (EQP4452) to the appropriate RRD District Office identified in form EQP4410. This notice does not constitute a warranty or representation of any kind by the State of Michigan that the corrective actions performed in accordance with this notice will result in the achievement of the remedial criteria established by Law, or that the property is suitable for any particular use.

Name of Local Unit of Government

Name of Local Unit of Government

Notice to the Local Unit of Government Receiving this Form:

A corrective action plan for the site named below has been developed as a result of a release of regulated substances from an underground storage tank. This form and the attachments are to provide the local unit(s) of government notice of the land use restrictions that are part of the corrective action plan. A copy of the institutional control mechanism(s) in the form of a Corrective Action Notice to Register of Deeds, and/or Restrictive Covenant, and/or alternate mechanism is/are attached. The attached institutional control mechanism(s) describes the land use restrictions and the land where the restrictions apply.

Owner or Operator: _____

Site Name: _____

Site Address: _____ City: _____ State: _____ Zip: _____

Contact Person: _____ Phone Number: _____

Mailing Address: _____ City: _____ State: _____ Zip: _____

Qualified Underground Storage Tank Consultant : _____

Address: _____ City: _____ State: _____ Zip: _____

Contact Person: _____ Phone Number: _____

I hereby attest to the accuracy of the statements in this document and all attachments. I further certify that the language on this form has not been modified.

Owner or Operator's Signature

Date

ATTACHMENT E

Emergency Response Plan(s)

Date: July 24, 2020

EMERGENCY RESPONSE PLAN

for the Lake Dorset\ Gun Plain TWSP water supply system

In case of emergency, contact the **Michigan Department of Environment, Great Lakes, and Energy** as soon as possible.

Considerations: Loss of pressure, inadequate quantities of water available, contamination

GENERAL

1. Personnel

List personnel available during emergency conditions. Include position, job duties, telephone number and whether available during strikes.

Carey Williams OIC cwilliams@perceptiveso.com (269)384-9345

Doug Prudden OIC dprudden@perceptiveso.com (269)998-2904

Rico Liceaga Service tech rliceaga@perceptiveso.com (269)680-1226

2. Miscellaneous

List other telephone numbers that may be needed during emergencies:

a. **Michigan Department of Environment, Great Lakes, and Energy:**

District Engineer: **Mohit Varma (269)762-3694**

Environmental Quality Analyst: **Stacy Wilson (269)491-3107**

Emergency Number: **(800)291-4706**

Fax: **(269)567-9440**

b. Appropriate Municipal Officials: **Mike Vandenberg (269)685-9471**

c. Local Health Department: **Allegan County**

d. Department of Agriculture: **Amanda Cooley (517)749-5152**

e. Police: **911**

f. Fire Department: **911**

g. Newspapers: **Kalamazoo Gazette (269)345-3511**

h. Radio/TV Stations: **Wood TV 8 (616)771-9633**

i. Nearby Water Utilities: **Hastings DPW (269)945-2331**

j. Nearby Laboratories: **Prein & Newhoff (616)364-7600**

3. Contractors
List telephone numbers of reputable contractors which may be needed during emergencies.
 - a. Excavators: **SWT Excavating (269)327-1908**
 - b. Well Drillers: **Kraai Well Drilling (269)672-7188**
 - c. Welders: **Wolthius Welding (269)671-4254**
 - d. Electricians: **Dan Wood Electrical services (269)203-1000**
 - e. Plumbers: **Advantage Plumbing (269)945-0300**
 - f. Other:
4. Suppliers
List telephone numbers of suppliers which may be needed during emergencies.
 - a. Chemical Suppliers: **Elhorn Engineering (517)676-3786**
 - b. Pump Suppliers: **Kraai well drilling (269)672-7188**
 - c. Water Main Repair Materials Supplier: **Ferguson Supply (269)349-6608**
 - d. Other:

CRITICAL CUSTOMERS

1. List critical customers or users for whom the provision of a continuous supply of safe water is most urgent. Include name, telephone number and address.
No Critical customers to my knowledge

2. Describe method to provide critical customers with a continuous supply of water.

Bottled water

COMMUNICATIONS

1. Describe methods of communication available during power outages.
Cell phones, text
2. Describe methods to provide customers or users with current information and recommended precautions to protect public health.
Radio broadcastings, public postings

PLANS & AGREEMENTS

1. General Layout. Attach the general layout (piping schematic) of the waterworks system or indicate the location of the General Plan as well as valve and hydrant records and any other information that would be helpful in fully describing the water system. **All maps, and drawings are located in well house or with an PSO employee**
2. Personnel Safety Plans. List relevant plans and indicate their locations. Examples may include evacuation plans, lock down procedures, location of personal protective equipment (PPE) and procedures for use, and location of Material Safety Data Sheets (MSDS). **PSO is equipped with PPE, and procedures for use. Along with safety requirements\plans located in the well house**
3. Water Sampling and Monitoring Plans. Describe monitoring to be conducted to identify potential public health threats. List plans and their locations. Examples include the Bacteriological Sample Siting Plan, sampling procedures for different types of contaminants, locations of sampling containers and procedures to obtain more, laboratories to analyze other contaminants, identify laboratories to contact (with phone numbers) to arrange for rapid sampling for volatile organic chemicals or other unknown compounds. . **One bacteria sample collected each month, and following sample requirements set forth by EGLE are followed as well**
4. Mutual aid agreements. Describe type and terms of agreements with other water supplies that may be implemented during an emergency. Attach or include location of agreements. Examples include sharing personnel and equipment, and loaning supplies.
5. **Barry TWSP has No agreement with nearby water supplies. However Perceptive S\O has personnel and equipment if needed, fully loaded service truck, with crane hoist, generators, Hydrovac truck for main line repairs, repair clamps etc...**
5. Emergency Supplies and Equipment Plans
6. Emergency equipment available. Identify and indicate location of equipment and vehicles that may be needed in an emergency. If the equipment is leased, rented, shared or otherwise not immediately available, describe the procedure for securing the equipment including contact information. **Perceptive S\O has personnel and equipment if needed, fully loaded service truck, with crane hoist, generators, Hydrovac truck for main line repairs, repair clamps etc... refer back to contact list at top of ERP.**

a.

Replacement equipment. Identify and indicate location of replacement equipment or parts that may be needed in an emergency. Describe how to secure replacements, if not on site, including contact information (or refer to Contacts section of this ERP). **Gun Plain TWSP has some repair parts on hand, stored in the well house. PSO also has repair parts at our shop ,in Kalamazoo. Any replacement of equipment will be purchased or provided from our vendors**

- b.** First aid supplies and equipment. Include locations and contact information for securing additional supplies and equipment. **Eye wash station located in well house chemical room, any other first aid supplies PSO employee has on hand in their service truck. Any major injury call 911**

SOURCE

Master Meter

Location(s) and Size(s)
10" meter inside well house

Groundwater Sources

Well Number	Diameter (inches)	Depth (feet)	Capacity (gpm)	Location	Treatment Type
# 2	10"	200'	350 gpm	320 Mid Lakes	Yes cl2\ po4
# 3	10"	200'	350 gpm	320 Mid lakes	Yes cl2\po4

Surface Water Sources

Pump Number	High or Low Service	Capacity (gpm)	Location

1. Describe method to operate wells for groundwater sources, or pumps for surface water sources (manual or automatic). Automatic with alternating switch between wells 2 and 3.
2. Well 1 for back up, due to poor Aesthetic quality

3. Auxiliary power available:

Type: **Cummings Generator**

Location: **Fire Barn (Portable)**

Capacity: **550KW**

Describe how to activate and operate auxiliary power: **Automatically transfers in the event of power outage**

If auxiliary power is leased, rented, shared or otherwise not immediately available on the property, describe the procedure for securing the equipment:

Owner:

Contact name and telephone number:
Type and terms of agreement:

TREATMENT

1. If treatment employed at wells, describe method to provide auxiliary power to chemical feed pumps.
2. If centralized treatment employed (iron removal, zeolite softening, etc.):
 - a. Describe method to provide auxiliary power to high service pumps:
 - b. Describe method to provide auxiliary power to chemical feed pumps:
 - c. **. Permanent Generator on site operates entire well house in the event of a power outage**
 - d. Describe procedure to bypass treatment facility:
We would turn off chemical feed pumps and shut valves at injection point , if needed
3. If no treatment, describe method to provide emergency chlorination:
4. If surface water treatment employed, describe method to provide auxiliary power.

1. Storage

Describe procedure to bypass storage facility: **Bypass valves are in place for by passing tank if needed, for repairs or maintenance**

- ### ADDITIONAL INSTRUCTIONS

This plan shall be updated every 2 years or as necessary (as changes occur in personnel, contact information, or other factors).

Title: Water Operator

ATTACHMENT F

Public Participation and Education

How does groundwater become contaminated?

Groundwater begins as snow and rain, which seeps through the soil and down into the aquifer. The aquifer is a layer of sand and gravel through which groundwater easily moves. Once in the aquifer, the moving groundwater is pumped out through a well. As rain and snow falls on the ground and seeps through the soils toward the aquifer, it may collect contaminants that are in the soil. Some of these potential means of contamination include:

- Household Hazardous Chemicals - gasoline, kerosene, insecticides, paints, cleaning agents and other such items can be extremely hazardous. If they are disposed of on the ground, or even with your household rubbish, they can travel down to the groundwater. Free disposal of your hazardous items is available from the Allegan County Health Department. Call 673-5415 for disposal options.
- Septic Systems - Have your septic tank pumped and inspected regularly. Also, septic systems are not intended for disposal of hazardous chemicals. Most hazardous chemicals in a septic system enter the groundwater.
- Fuel Storage Tanks - Leaking above ground and underground storage tanks are a major source of contamination. Check above ground tanks and underground tanks for leaks regularly. Tanks that are no longer being used should be emptied and properly disposed.

Be aware of how groundwater becomes contaminated. Avoiding actions that cause groundwater pollution, will help ensure quality water for generations to come. For more information, contact the Allegan County Health Department, Environmental Health Division at 673-5415.

PO BOX 146
Plainwell, MI 49080

TEAM

PROTECTION

WELLHEAD

GUN PLAIN

***Gun Plain Wellhead
Protection Team***

Gun Plain Township Wellhead Protection Program



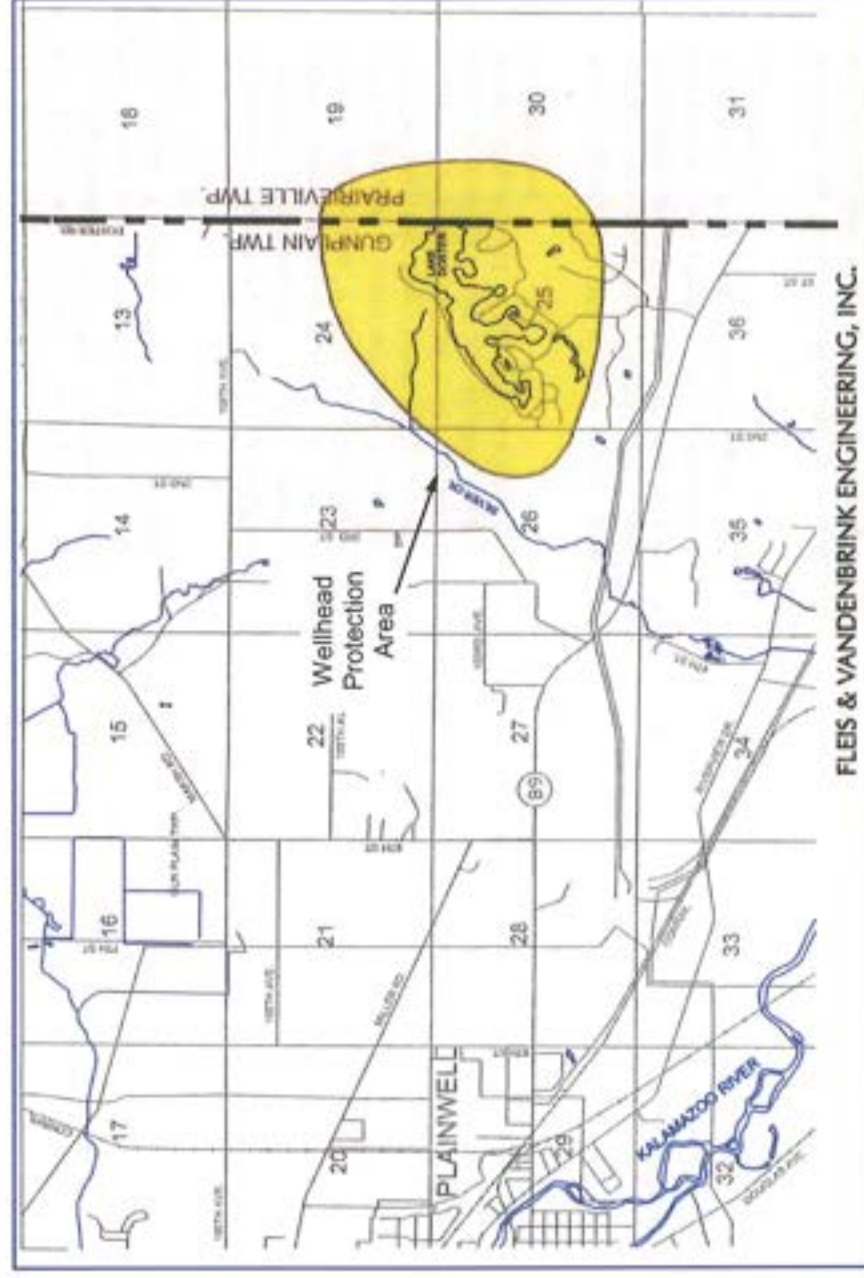
What is Wellhead Protection?

The Gun Plain Township is dedicated to maintaining high quality drinking water for its residents. High quality drinking water is vital to the health and economic growth of the area. This is why we have implemented a Wellhead Protection Program. A Wellhead Protection Program increases public understanding of our groundwater. The program promotes quality groundwater now and for future generations.

The groundwater in the Wellhead Protection Area supplies the village's wells. It also may supply area homes and businesses using private wells. It is important to protect our groundwater from contamination. Once the groundwater is contaminated, cleanup can be very costly. If left untreated, groundwater contamination can spread, making an uncontaminated location for a new well extremely difficult to find. In addition, replacing a township well can be very costly.

Residents of the Township and surrounding area have a shared interest in preserving the quality of the groundwater that we all depend on. This is why we are committed to preserving our Township's most important natural resource.

The yellow on the following map illustrates the Wellhead Protection Area from which the groundwater supplying our public wells will come from over the next ten years. The Wellhead Protection Area is the most important groundwater area to preserve.



Information, including our Wellhead Protection Program Plan is available for review at our Township Hall. Information is also available from the Allegan County Health Department Environmental Health Division (Phone 673-5415)

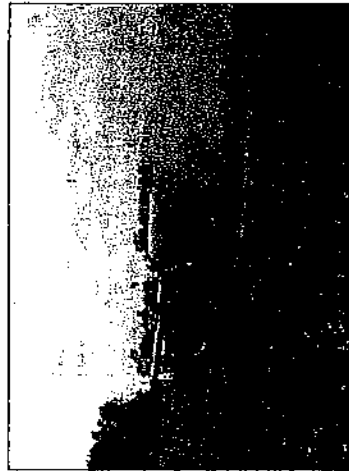


Figure 3. Timing and method of manure application affects complaints.

- Don't spread manure on weekends or holidays.
 - Don't spread manure if there is an air inversion or stable conditions with a light wind <12 mph blowing toward nearby homes.
 - Avoid spills on roadways by not overfilling spreaders and checking for leaks before leaving the fill site.
 - Shovel or scrape roadways promptly if mud or manure gets on them. Maintain the required amount of freeboard in manure storages. If you wait until it is brim full, leaks are more apt to happen.
 - Be prepared to contain larger spills by constructing dams across ditches or small water-courses. This will reduce the damage and decrease the size of the area you have to clean up should a spill occur. Be sure to promptly notify the appropriate environmental regulatory agency in the event of a spill.
- Tips to Control Fly Populations**
- Good manure management plans and structures should minimize fly production. Organic material that is very wet or very dry will not support fly production. Use flytraps to catch adult flies moving to your farm. Use pesticide sprays sparingly. An outbreak of adults should be treated

with a non-residual knock down spray. Avoid residual surface sprays. If they seem to be needed, focus on the location of egg laying and maggot development. Cleanliness is a key to controlling fly populations.

Tips to Reduce Silage Drainage

Juices from ensiled forages that are harvested too wet (over 70% moisture) will flow from stave or bunker silos. This juice must be contained in a run-off basin and land applied. While small in amount, it has a strong objectionable odor, and if it gets into surface water, can rapidly remove the oxygen needed by aquatic life.

Protecting Water Quality

Protect ground water supplies for your family and for your neighbors. There is a potential for nitrate contamination if applying manure to porous soils or areas with high water tables. Manure and fertilizer nitrogen should be applied at a rate to meet the annual needs of the crop. Ideally, it should be applied as near to crop uptake as possible. Fall-applied manure should be done when the soil has cooled to less than 50 degrees and a cover crop planted on soils that are vulnerable to soil erosion and runoff.

Surface water can be degraded by phosphorous that leaves the field on soil particles or as soluble P leached from P-saturated soils. Minimize soil erosion and use grass filter strips. Monitor soil P test levels so that manure is not applied to fields where tests exceed 300 lbs Bray P¹ per acre or 150 ppm Bray P¹. Once soil tests exceed 40 ppm Bray P¹, discontinue fertilizer P₂O₅. If soil test P reaches 75 ppm, manure phosphate should only be applied at the rate of annual crop removal.

About this Publication

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Publications in this series:

- Land Application Records and Sampling
- Emergency Action Planning for Livestock Operations
- Mortality Management
- Inspecting Your Confined Feeding Operation
- Feeding Strategies to Lower N&P in Manure
- Building Good Neighbor Relationships
- Disposal of Farm Medical Wastes
- Manure Nutrient Recycling
- Environmentally Sensitive Field Characteristics
- Manure Applicator Calibration
- Odor Control Options for Confined Feeding
- Comprehensive Nutrient Management Plans



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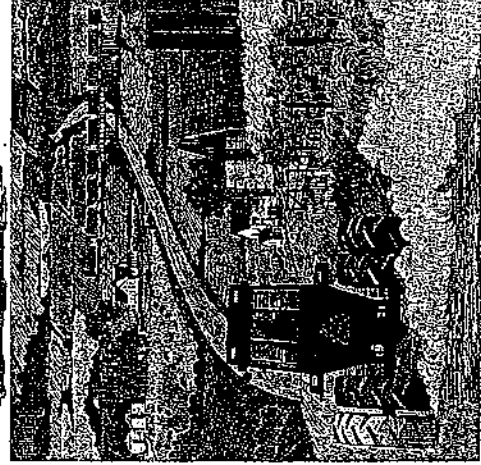
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Best Environmental Management Practices

Farm Animal Production

Building Good Neighbor Relationships

*Paul Wylie, Michigan State University,
and Don D. Jones, Purdue University*



Best Environmental Management Practices

Farm Animal Production

Building Good Neighbor Relationships

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and Don D. Jones, Purdue University*

Developing and maintaining good neighbor relations is important for all livestock and poultry producers. There are certain attributes of animal farming that come up again and again as being objectionable to neighbors. The top two are odor and flies. These are followed by spills on the road, run-off containing manure leaving the farm, and well water contamination. Let us take a look at these concerns and how farmers can minimize their annoyance to neighbors.

Things that Make Neighbors Unhappy

Odor is a subjective human response to what one smells. Studies suggest that to deal with objectionable odor management, farmers need to consider FIDO (frequency, intensity, duration, and offensiveness). Odor problems can be managed by reducing the number of times neighbors detect odors from your operation. Usually this can be done by limiting the times manure is applied on a field near a neighbor or by locating animals and manure storage as far away from their homes as possible. Intensity is the strength of an odor; it is

diminished by distance and dilution. Duration has to do with how long odors are present. Strong odors for a short period of time (hours) are usually considered less objectionable than a lighter odor for a long time (days). Offensiveness has to do with how objectionable something smells. Fresh manure usually is judged less offensive than manure from a long-term anaerobic storage, for example. Corn silage has a strong odor, but isn't offensive to most people. Silo drainage, however, can create very objectionable odors as it decomposes.

Fly problems often result in neighborhood disputes. It may be difficult to say for certain that filth flies originate from a certain farm, but they can upset neighbors who may then be more sensitive to infractions of good farming practices.

Manure spills, as well as soil, on the road can also upset neighbors. Non-farm people often have a higher standard of automobile cleanliness than farmers do.

Most rural residents get their drinking water from wells which can be contaminated by poor farm practices. A soluble form of nitrogen, nitrate nitrogen, can leach down through the soil to unprotected aquifers. At 10 ppm or more, nitrate in the drinking water of infants and elderly people can be toxic. Another concern is contamination by



Figure 1. Consultants or Extension Specialists can often provide suggestions on improving neighbor relations.

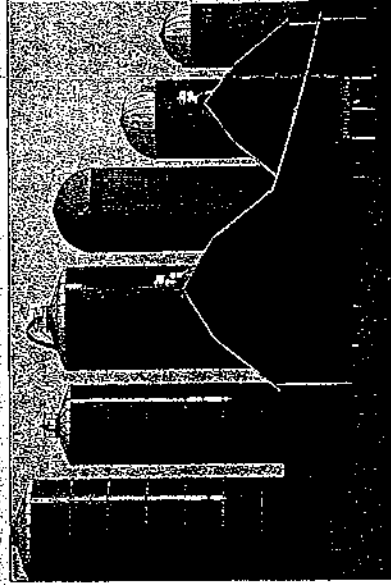


Figure 2. Make sure the public sees your operation as a well-kept farmstead.

pathogens from manure. Unless manure is back siphoned to aquifers, a poorly sealed or leaking well casing is usually at fault. Fortunately this is a rare occurrence.

Manure that leaves the farm and flows onto the surface of a neighbor's land is a serious problem. The usual causes are spills, a leaking storage unit, or run-off from heavy rainfall or melting snow on fields where manure has been surface applied.

Minimizing Complaints

First of all, how does your farm look to outsiders? A trashy and unkempt farmstead will raise suspicions. Neighbors may think "if you look like a slob, you must be one." Take a look at nearby businesses and industries. It may not be fair, but they will be compared to your operation. At the least, mow regularly and keep junk out of view. Keep buildings painted and in good repair. Use fences or vegetative screening to block items that may be considered unsightly. Keeping farm trucks clean can greatly improve appearance on the road or in a parking lot. How do you and your employees look when you go to town? Remember, you want to create a positive, professional impression, and it takes only a time or two to generate an unfavorable reputation.

Like any business, the three most important social aspects of an animal production facility are location, location, and location. Nearly all objectionable things about farming can be minimized by this by establishing setback distances for new or expanding animal operations.

When considering the location of a new animal facility or planning a major expansion, have your Extension Service run the MN or Purdue Odor Estimator computer program (<http://danpatch.ecn.purdue.edu/~odor/setback.html>) for you to better define the affected area. These programs calculate the area around your operation where odors are apt to be objectionable more than 5% of the time. If the calculated distance is greater than the distance to your neighbors, you should expect complaints, and you should consider relocating, down sizing or using odor minimizing strategies. As a rule of thumb, plan for at least a 1/4-mile minimum setback from any neighboring residence. One should probably also maintain a 300-500 foot setback from property lines when constructing livestock facilities. Consider prevailing winds and air drainage to nearby home sites. *Legal setback distance requirements may also apply, so check state and local regulations.*

Tips to Minimize Odor

- Inject or immediately incorporate land applied manure.
- Cover stored manure in storage with a roof, a fibrous mat, or a flexible membrane.
- Composting or methane digesters are sometimes feasible in large operations to treat manure and reduce odors.