

May 2024

WELLHEAD PROTECTION PROGRAM PLAN

City of Brown City
Sanilac County, MI



Project No. 863590

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WELLHEAD PROTECTION PROGRAM PLAN

PURPOSE AND SCOPE

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 City of Brown City's WHPP Plan is a "living" document that details action being taken to ensure the long-term integrity of the City's water supply system.

The purpose of the City of Brown City WHPP is to protect the City'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 wellhead protection area (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, as appropriate.

The State of Michigan WHPP was developed in response to the 1986 Amendments to the Federal Safe Drinking Water Act. Portions of the 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 WHPP initially developed for the City of Brown City 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 Contingency Plan
- Plan for New Wells
- Public Participation, Outreach, and Education

INTRODUCTION

The purpose of this section is to provide basic information about the public water supply system and the community. The City of Brown City is located in Sanilac County, Michigan. It is approximately. Population information is provided in the table below.

City of Brown City Population	1,302	Source: U.S. Census Data (2020)
PWSS Population Served	1,316	Source: EGLE Community Water Supply List (2021)
Geographic Service Area	City of Brown City	Source: City of Brown City

The lead agency for the WHPP is the City of Brown City. The City's water system includes two production wells. The City's Department of Public Works operates and maintains the entire system. The location of the City of Brown City's municipal wells and the WHPA are illustrated on Figure 1. The production wells have a total capacity of 1270 gallons per minute (gpm) and a firm capacity (capacity with largest production well off-line) of 620 gpm. A summary of well information is provided below.

WELL SUMMARY

Well Number	Year Drilled	Diameter (inches)	Total Depth (feet)	Rated Capacity (gpm)*
3	1967	16	334	650
4	1975	16	315	620

*Source: Drinking water well design capacity records provided by EGLE, dated March 20, 2007. Rated capacities may not match current capacities or actual pumping rates.

Land use within the WHPA is primarily a blend of residential, agricultural, commercial, and industrial uses. The WHPA for Wells #3 and #4 encompasses Sections 7, 8, 17, and 18 of Maple Valley Township and Sections 12 and 13 of Burnside Township.

This written Plan identifies several known and potential sources of contamination within and near the WHPA. Since the 10-year delineated WHPA is partially located in Maple Valley and Burnside Townships, the implementation and long-term success of the program will depend on the inter-governmental cooperation of the City, Townships, County, and on the voluntary assistance of landowners within the WHPA.

This section also identifies the goals for the City's WHPP. These goals and objectives are intended to develop a successful long-term program to protect the City'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 minimizing the risk of pollution of surface and groundwater within the WHPA.

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

- Methods:
- Define the WHPA
 - Inventory actual and potential contamination within the WHPA
 - Coordinate WHP activities with local/state agencies and the public

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
 - Develop management strategies

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 roles and responsibilities to those implementing WHPP Plan.
 - Maintain an active WHP Team and continue participation in WHP activities.

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.

- Methods:
- Maintain regular communication with local and state agencies.

GOAL #5 To identify and promote awareness of potential sources of 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
 - Educate public about contaminant risks

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

GOAL #7 To plan for new well capacity or well replacement.

Objective is to plan to consider the process necessary to identify new well sites.

- Methods:
- Discuss new well siting at WHPP meetings
 - Continue to evaluate sites for the placement of new wells.
 - Incorporate new wells into the WHPP.

I. ROLES AND RESPONSIBILITIES

The long-term success of the City of Brown City'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 the City of Brown City, 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.

The City of Brown City'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 completed, new organizations or agencies have not become involved. Additional intergovernmental agreements or memoranda have not been implemented or updated. Below are some of the typical Roles and Responsibilities of each team member.

Mike Vislosky, Department of Public Works (DPW) Foreman/Water Operator

- Provide input during Plan renewal reviews.
- Support of the implementation of the WHPP Plan.
- Promote the importance of the local program to Council 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.
- 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.

Chuck Bennett, City Manager and Zoning Administrator

- Provide input during Plan renewal reviews.
- Support staff and establish budgets to support the wellhead protection program.
- Assist with developing effective methods to educate business leaders within the community on source water protection.
- Advocating for consideration of WHP on various Planning Commission activities, such as Master Planning and communicating to residents the importance of wellhead protection.
- Assist with implementation of Management strategies.
- Assist with Public Participation, Outreach, and Education initiatives.
- Look for and pursue grant opportunities to support wellhead protection activities.

Ron Bennett, Facilities Manager, and Eric Burgess, Facilities Foreman, Brown City Public Schools

- Provide input during Plan renewal reviews.
- Coordinate source water protection with local schools.
- Identify appropriate age levels for target-based curriculum.
- Assist in setting up educational activities outlines in the Public Outreach and Education Schedule.
- Identify opportunities to provide civil groups, clubs, or classes with discussions on source.

Mark Shadley, Business Representative, Tri-County Bank, Chief Loan Officer

- Provide input during Plan renewal reviews.
- Assist with developing effective methods to educate business leaders within the community on source water protection.
- Assist with Management Strategies and 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.

Tim Heiden, Adjacent Municipality Representative, Village Supervisor, Village of Peck

- 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.

Katie Strohauer, Project Manager

- Provide input during Plan renewal reviews.
- Assist with the update of the WHPP Plan every six years.
- Assist 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 City and has worked with representatives and WHPP initiatives on the local, state and national levels.

In the future, representatives from other areas may join the Team. As such, descriptions of potential roles for these members are included below if they become part of the Team in the future.

Local Health Department Representative

- Provide input during Plan renewal reviews.
- Relate environmental issues that municipalities throughout the County face.
- Assist with understanding of state and federal rules and regulations.
- Facilitate proper well and septic permitting and well abandonment.
- Participate in outreach and management strategies.
- Coordinate/support hazardous material recycling and hazardous waste programs with the City.
- Look for opportunities to engage homeowners on the importance of protecting groundwater within the WHPA.

Local Agricultural Representative

- Provide input during Plan reviews.
- Helping to determine effective methods to educate agricultural leaders within the community on source water protection.
- Participate in the implementation process, working with other farmers and adopting management strategies on their farm.
- Promote the importance of the WHPA and source water protection efforts in relation to agriculture.

II. 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.

The WHPA delineation for the City of Brown City is illustrated on Figure 1. 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 City’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 City’s existing water operations, land planning, and zoning ordinances.

The WHPA encompasses a total of 1,161 acres of land within the City of Brown City, Maple Valley Township, and Burnside Township. Land use within the WHPA is primarily a blend of residential, agricultural, commercial, and industrial uses (Figure 2). The table below summarizes characteristics of land usage within the WHPA.

WHPA LAND USAGE CHARACTERISTICS

Municipality	
Category Description	Percentage of WHPA
City of Brown City	59
Maple Valley Township	29
Burnside Township	12
Current Land Use	
Category Description	Percentage of WHPA
Developed Land – Primarily Residential/Open Space	42
Cultivated Crops	38
Pasture and Hay	8.8
Forests, Wetlands, & Other Natural Features	6.5
Developed Land – Primarily Commercial/Industrial	4.3
Surface Water	0.0

*Source: USGS National Land Cover Database (2021)

In 1995, EGLE established that the Wellhead Protection Area (WHPA) for the City should be delineated as a “low vulnerability” WHPA for aquifers from which low tritium water is produced. EGLE provided the City a Low Vulnerability WHPA in 2015, which was not based on field-confirmed data collected locally but rather regional data. Primarily this is depth to water data collected over several decades as reported on water well records entered into the State’s database. As such, these delineations are more generalized and uncertain than those that are based on field-confirmed data. The EGLE low vulnerability delineation has been relied on for this WHPP Plan.

The City has discussed completing a hydrogeological study and updating their WHPA to a “Traditional Delineation”. The study would involve reviewing existing background information on the regional geologic formations, surveying groundwater elevations to determine groundwater gradients and directions of flow and conducting an aquifer pumping test and analysis. Computerized groundwater flow modeling and particle tracking would then be used to delineate the groundwater area surrounding the municipal wells through which contaminants could reasonably move towards and reach the wells. The resulting traditional WHPA will provide the City with an improved delineation and reduce uncertainty in the 10-year capture area of the water supply wells.

A. UPDATES SINCE PRIOR WHPA APPROVAL

Since the 2015 delineation, additional production wells have not been added to the City's water system. 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. New geological data that will have a material impact on the current delineation have not been identified.

III. CONTAMINANT SOURCE INVENTORY

The goal of this element is to identify existing and potential sources of contamination within the WHPA. Contamination has several possible pathways to reach groundwater. 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.

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.

A. CATEGORIES OF POTENTIAL CONTAMINATION SOURCES

As part of this WHPP Plan, 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 types of contaminants commonly associated with the various types of sources and the relative risk to groundwater quality are also provided.

It is important to remember the sites and areas identified by this process are only *potential* contaminant sources. Environmental contamination is not likely to occur when potential contaminants are used and managed properly.

B. CONTAMINANT SOURCE INVENTORY PROCESS

This contaminant source inventory was completed in January 2024. State and federal environmental data were retrieved from Environmental Data Resources, LLC (EDR), the State of Michigan's GeoWebFace mapper, and local knowledge from those on the WHP Team. These data have been tabulated and reviewed with the Team for accuracy. Contaminant source inventory information is provided in Attachment C. A Summary EDR Report is provided in Attachment C. The full report is available upon request.

The databases below were included in the search.

- 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, Oil, Gas, and Minerals 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

C. TRANSPORTATION ROUTES

Transportation routes represent areas with the potential for transport of hazardous substances. 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 City.

The City's WHPA is traversed by State Route M-90. Interstate highways are often primary routes for the transportation of hazardous substances. Other roads in the City's WHPA are secondary. Petroleum products, such as propane and diesel, are occasionally transported on Cade Road at the west side of the City. Petroleum products/hazardous substances are also occasionally transported on Maple Valley Road for a fertilizer plant and other industrial businesses. A railroad, which typically carries grain, runs through the WHPA. Any transportation spill within the WHPA should be addressed promptly.

D. SURFACE WATER SOURCES OF CONTAMINATION

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.

The City is located in the Elk Creek-Black River watershed, a subwatershed of the St. Clair watershed. Brown City is located at the western (upgradient) end of this subwatershed. Several small creeks and streams intersect the City's WHPA, including the Lapeer and Sanilac Drain.

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.

Abandoned wells are often difficult to locate. Methods used to locate abandoned wells include talking to individuals, looking for physical evidence, and performing a records search.

As part of the Contaminant Source Inventory completed for the City's Wellhead Protection Program, oil and gas databases were retrieved from EDR (Attachment C). Oil and gas drilling can result in contaminated soil/groundwater because there is a potential for salts or hydrocarbons to be encountered during drilling activities. If these materials are mismanaged, contamination can occur. The potential for impact is greater when salt/brine layers are encountered during drilling and when the site is older (less environmental safeguards were in place in earlier days of oil and gas exploration/development).

No active or abandoned wells, or "dry holes" (a well used for oil and gas exploration and not associated with production) within the City's WHPA.

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 City's WHPA were not identified.

G. EMERGING CONTAMINANTS

Emerging contaminants are chemicals or microorganisms that have the potential to enter the environment and cause adverse human health effects but have not historically been considered to be contaminants and are not typically subject to drinking water regulations.

EPA tracks some emerging contaminants through the drinking water Contaminant Candidate List (CCL) and the Unregulated Contaminant Monitoring Rule (UCMR).

The drinking water CCL is a list of contaminants that are currently not subject to any proposed or promulgated national primary drinking water regulations, but are known or anticipated to occur in public water systems. Contaminants listed on the CCL may require future regulation under the Safe Drinking Water Act (SDWA). EPA uses the CCL to identify priority contaminants for regulatory decision making and information collection.

Every five years, the EPA issues a list of unregulated contaminants to be monitored by public water systems, known as the UCMR. The UCMR list is often based on the CCL. The current UCMR 5 list includes lithium and 29 per- and polyfluoroalkyl substances (PFAS). These contaminants will be monitored by select public water supplies between 2023 and 2025. The monitoring data on PFAS and lithium will help the EPA make determinations about future regulations and other actions to protect public health under the SDWA.

It is important for the WHPP Team to stay informed about emerging contaminants, the potential threats of these contaminants to source water, and implications for future SDWA regulations.

H. SENSITIVITY AND SUSCEPTIBILITY

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 City’s wells), and indicates natural protection afforded the source water.

Information from the Wellhead Protection Area delineation indicates that the aquifer from which the City’s wells obtain groundwater is “low tritium”. Tritium is a naturally occurring radioactive isotope of hydrogen produced in the upper atmosphere where it is incorporated into rainwater. Knowing the half-life of tritium (12.3 years), tritium levels can be used to date groundwater. Prior to the start of nuclear testing, tritium levels in rainwater were approximately 5 to 10 tritium units (TU). With the onset of nuclear testing (~1954) tritium levels increased to an excess of 1000 TU. Current levels of tritium are between 50 and 100 TU due to the decrease of nuclear testing and radioactive decay.

Tritium analysis can be used to estimate the time since recharge to the groundwater system occurred and the susceptibility of the groundwater system to contamination. Groundwater systems with recharge occurring prior to the 1950s will have a tritium level decreased by radioactive decay to levels at or below one TU. These groundwater systems are considered “not vulnerable.”

Susceptibility identifies factors within the community’s WHPA that may pose a risk to the water supply. The susceptibility determination provides indications of which statewide WHPAs should be given greater priority and oversight in implementing a WHPP.

After review of the Contaminant Source Inventory information included in this Plan, a susceptibility determination may be reviewed by EGLE.

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 City'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. As new sites are identified, the CSI should be updated.

To increase the likelihood of future updates, the Team discussed incorporating the Contaminant Source Inventory into the City's "Water System Emergency Response Plan" document.

IV. 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 City could pursue.

The Team acknowledges 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 Plan.

This 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 strategies reviewed took into consideration many factors, including but not limited to: the nature of the WHPA, the number or known or potential contaminant threats in the WHPA, and available community resources to implement/manage the strategies.

The Team acknowledges that the City 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 tools that the City implemented along with other management strategies that the City may pursue are included in Attachment D.

WELLHEAD PROTECTION AREA MANAGEMENT SCHEDULE

Activity	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
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 2025 and then biannually
Adopt Groundwater Protection Ordinance for the WHPA	Protect the Wellhead Protection Area from surface contamination	City Council and Township Board approval of ordinance	Groundwater Protection Ordinance	By 2025
Wellhead Protection Program Plan – Review and Update	Address new sites and changes in the status of existing sites	Maintain an inventory that is regularly updated	Updates to inventory	By 2030 and then every 6 years
Contaminant Source Inventory – Review and Update	Address new sites and changes in the status of existing sites	Maintain an inventory that is regularly updated	Updates to inventory	By 2030 and then every 6 years
Zoning and Site Plans – Conduct Site Plan Reviews	Consideration of WHP ordinance and zoning during Site Plan Reviews to protect source water in the WHPA	City Council and Planning Commission approval of Site Plan Review Standards	Updated Site Plan Review Standards	By 2025
Site Plan Review Environmental Permit Checklist	Consideration of WHP ordinance and zoning during Site Plan Reviews to protect source water in the WHPA	City Council and Planning Commission approval of Site Plan Review Environmental Permit Checklist	Environmental Permit Checklist	By 2025

Activity	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
Incorporate WHP into City Master Plan	Members of WHP Team participate in City planning activities and Master Plan	Connect principles of WHP in Master Plan	Adopted plan that reference WHP	By 2025 and every 5 years.
Review the Emergency Response Plan	Keep the Emergency Response Plan information and contacts up to date	Emergency Response Plan up to date and to keep 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	By 2024 and every 5 years.
Resolution	Communicate City's intent to protect the drinking water supply	Create, approve, and publish a resolution in support of wellhead protection	Resolution adopted	By 2024

V. WATER SUPPLY EMERGENCY CONTINGENCY PLAN

The Contingency Plan portion of the WHPP is an important part of the overall program to protect the quality of drinking water for the City. This Contingency Plan was developed to document what must be done if an environmental incident causes a problem that could impact the City's wells. The Contingency Plan should be shared with the public/media when complete, rather than waiting for an incident to occur.

A. CONTINGENCY SITUATIONS

Three different contingency situations were evaluated as part of this WHPP Plan. Potential emergency situations that could arise are:

- Routine monitoring discloses unexpected contamination in a well(s).
- Discovery of a release of a contaminant from a fixed site within the WHPA.
- A transportation accident causes a chemical spill in the vicinity of the WHPA.

The following sections identify general procedures to follow in such emergencies. There are numerous variables that will determine how a given emergency situation will develop and be handled. The ultimate response to an emergency situation must be evaluated on a case-by-case basis, given the severity of the emergency and the potential risks. As such, deviations from the following procedures may be appropriate.

The following actions are recommended to mitigate these three water supply emergencies:

1. **Routine monitoring discloses unexpected contamination in a well(s).** If contamination is discovered in groundwater samples from one or more of the City's supply wells, the following general procedure will be followed:
 - a. Shut down the impacted well, unless it is impossible to maintain adequate service without the well.
 - b. If the well must remain in service, minimize its use.
 - Consider pumping the well to waste to protect remaining wells nearby.
 - Make a decision as to the best short-term solution to protect the wells.
 - Make a decision on blending with clean wells to dilute the contaminant.
 - c. Notify EGLE. The source must be identified, and the contaminant remediated as soon as possible.
 - EGLE Drinking Water and Environmental Health Division (DWEHD):
 Ms. Kirstin Bailey, Engineer (989) 280-1291
 - EGLE Remediation and Redevelopment Division (RRD):
 Bay City District Office (989) 894-6200
 24-hour PEAS Hotline (800) 292-4706
 - d. Review the situation with the Sanilac County Health Department and the local medical community regarding the seriousness of the contaminant(s).
 - e. Notify the public of the situation and any necessary precautions.
 - f. Initiate an investigation into the source of the contamination.
 - g. Determine whether the problem can be corrected or controlled in the short-term, or if correction is expected to be long-term. Can an upgradient well be pumped to waste to protect the remaining wells?
 - h. Determine a strategy to get the well back online, replace it with a new well, or treat the water from the contaminated well.
 - i. Decide if rationing of water will be necessary and determine priorities.

2. Discovery of release of a contaminant from a fixed site within the WHPA.

- a. Notify EGLE and advise them of the need to clean up the release as soon as possible.
 EGLE Drinking Water and Environmental Health Division (DWEHD):
 Ms. Kirstin Bailey, Engineer (989) 280-1291
 EGLE Remediation and Redevelopment Division (RRD):
 Bay City District Office (989) 894-6200
 24-hour PEAS Hotline (800) 292-4706
- b. Estimate the likelihood of contaminants reaching the well field and the travel time to the well field.
- c. As appropriate, review the situation with the Sanilac County Health Department and the local medical community as to the seriousness of the contaminant(s).
- d. Stay in contact with EGLE and the local health department/medical community as to any changes in the situation.
- e. Advocate to EGLE for responsive remedial actions.
- f. Keep the public informed of the status of the situation.

3. A transportation accident causes a chemical spill in the vicinity of the WHPA. The City has an Emergency Response Plan (ERP) for hazardous material spills that should be followed in the case of chemical releases. In addition to the procedures noted in this ERP, the following should be considered:

- a. Contact an environmental consultant to obtain advice regarding the potential impact of the release.
- b. If at all possible, do not wash (hose) contaminants into the aquifer.
- c. Notify EGLE and advocate for immediate response activities.
 EGLE Drinking Water and Environmental Health Division (DWEHD):
 Ms. Kirstin Bailey, Engineer (989) 280-1291
 EGLE Remediation and Redevelopment Division (RRD):
 Bay City District Office (989) 894-6200
 24-hour PEAS Hotline (800) 292-4706
- d. As appropriate, review the situation with the Sanilac County Health Department and the local medical community to determine the seriousness of the contaminant(s) to public health.
- e. If there is likelihood the release will impact the City's wells, notify the public of the situation. Include the status of the well(s), cleanup of the spill, and the potential seriousness of the contaminant(s) relative to the safety of the drinking water.
- f. Officially notify EGLE of the need for remediation of the release.
- g. Continually determine the status of the problem.
- h. Continually inform the public of the status of the situation and final solution.

Other activities should be considered for the above contingency situations. Among these are:

- Well field management: Use unaffected wells as sources or pump contaminated well(s) to waste to intercept contamination and protect remaining wells.
- Determine whether there are monitoring wells or private wells that could be monitored between the incident site and the potentially impacted well(s). If not, determine if a monitoring well could be installed quickly. Locate private wells in the area as the Contingency Plan is being developed.

- Notify the public of any need to reduce water use if some of the source is lost.
- Assess the possibilities of treatment for the various contaminants that might be released in the WHPA.
- Consider identifying alternate water sources, such as bottled/bulk water or an emergency interconnection with another nearby public water system.
- Cooperate with EGLE and the responsible party or parties to make certain the contamination is removed from the WHPA or the supply wells as soon as possible.
- Keep the public informed of the status of the situation until the problem is resolved.

B. PERSONNEL TO CONTACT IN THE EVENT OF AN EMERGENCY SITUATION

The City has prepared an Emergency Response Plan (ERP) listing those individuals/offices to contact in an emergency situation. This ERP is provided as Attachment E.

C. ASSESSMENT OF EXISTING WELL SUPPLY AND CAPACITY DISTRIBUTION FACILITIES

Information regarding the existing water supply system is provided in a section of the City ERP (Attachment E).

D. STANDBY POWER

The City has auxiliary power available to Well #3 (and the water tower) provided by a generator at the well house. A portable generator is available to Well #4.

E. EMERGENCY WATER SUPPLY

In the event of an emergency, the City plans to purchase and distribute bulk/bottled water to the City residents. The City has the ability to use water haulers to transport water from a nearby community water supply. Licensed water haulers for Sanilac County and St. Clair County are listed below.

- Diana Warczinski, 4341 Lakeshore Road, Deckerville, MI, 48427-9664, Phone: 810-376-4718
- John Falkiewicz, WC Beardslee, Inc., 2256 North Channel Drive, Harsens Island, MI, 48028-9790, Phone: 810-748-9951
- Paul Kaip, Russell Island Yacht Club, c/o Paul Kaip, RIYC Membership, Warren, MI, 48093-7523, Phone: 586-457-4302
- Jamie Pangborn, Walkers Landing, 8296 South Channel Drive, Harsens Island, MI, 48028-9533
- Alan R. Simons, AI Simons, LLC, 5630 Saint Clair Highway, China, MI, 48054-1304, Phone: 810-329-3402
- Mike Walsh, Mike Walsh, 6445 Fargo Road, Avoca, MI, 48006-2708, Phone: 810-324-2175

The City has also discussed the possibility of constructing an emergency connection to the Great Lakes Water Authority water main.

F. TRAINING

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

G. PREVIOUS INCIDENTS

In the past 6 years, the City has not encountered significant water supply emergencies.

VI. 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 City 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. 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 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 City 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 City to evaluate and address the many technical, operational, geological, WHPP elements, and financial factors involved in selecting potential well sites.

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

VII. PUBLIC PARTICIPATION, OUTREACH AND EDUCATION

The goal of this element is to provide mechanisms for public participation and outreach regarding the City'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 these strategies, an emphasis was placed on selecting activities that would raise awareness of the City'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 Plan.

The Team was assigned the lead responsibility to recommend what specific strategies, if any, should be presented to the City Council for further consideration.

The Team 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 City plans to pursue in the future are included in the Public Participation, Outreach, and Education Schedule. Some examples of educational activities that the City 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
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.	By 2024
Awareness – Library and Bank LED Signs to Communicate WHP	Keep concept of WHPP relevant in the community.	Remind community of WHPP thru the use of various WHPP slogans that would be presented periodically on existing LED signs in the City.	Number of days per year that a slogan is active on the sign.	By 2024
Awareness – Hazardous Waste Collection Promotion on social media, newsletters, signs	Support annual county and Burnside Township hazardous materials recycling events.	Reduce uncontrolled disposal of hazardous materials	Number of collection events.	By 2025 and then Annually.
Awareness – Student Storm Drain Painting	Collaborate with local schools to identify and mark storm drains that discharge into surface water.	Reduce discharge of non-storm water materials into surface waters	Number of discharge locations marked.	By 2025
Information Distribution – Informational Publications available at City Buildings	Have publications that discuss WHPP available to the public at City Buildings or local library	Educate the public on the importance of the WHPP	Publications put on display for the year and the number of publications distributed	By 2024

Action	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
Information Distribution – Public Forums	Present WHPP and discuss water quality, quantity and other related topics at public forums such as City Council and/or committee meetings and local groups, such as the Chamber of Commerce, Rotary, and the Downtown Development Authority.	Educate the public and governmental bodies on the WHPP Plan, the City water quality and quantity	Public forum date(s) and estimated attendance	By 2024
Information Distribution – Website and/or Social Media	Distribute information about the WHPP tailored towards prospective new customers and videos tailored towards 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	By 2024
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	By 2024
Information Distribution – Newsletters and/or Newspaper Publications	Distribute general information about the WHPP to local residents	Publish various WHPP informational pieces in the local newsletter	The number of publications made	By 2024
Information Distribution – Local Festivals	Distribute general information about the WHPP to local residents	Set up booth at local festivals and distribute informational materials and	The number of items distributed	By 2025

Action	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
		wellhead protection-related giveaway items		
Groundwater Protection Contests with Local Schools	Partner with elementary school teacher to conduct art/science contest with winning design printed on a banner to be displayed on City streets.	Host drinking water protection contest with students.	Student participation	By 2025
Groundwater Model/Enviroscape Model School Presentations	Present to local students on wellhead protection	Educate students about groundwater/ environmental protection	The number of students educated	2025
Water and Wastewater Plant Tours	Organize Tours of the Water or Wastewater Plants	Educate students on the process.	Number of tours held annually and/or number of students participating	2025 and then Annually.

PLAN REVIEW AND UPDATE PROCESS

EGLE encourages communities to keep their WHP Program active by updating their WHPP Plan every six years or as changes occur within the Program. Funds to update the Plan may be available through the EGLE Source Water Protection Grant Program.

This WHPP Plan Renewal was completed in May 2024. Unless a significant change in the Wellhead Protection Program prompts an earlier update of the Plan, the next WHPP Plan Renewal should be initiated in 2029 and completed before May 2030.

SELECT REFERENCES

- Huron River Watershed Council (1997). Wellhead Protection Community Workbook.
- Huron River Watershed Council (1997). Wellhead Protection Community Workbook Supplementary Resources.
- Michigan Department of Environment, Great Lakes and Energy Wellhead Protection Program Web Page (<https://www.michigan.gov/egle/about/organization/drinking-water-and-environmental-health/source-water-protection>).
- Michigan Department of Environment, Great Lakes and Energy “Checklist for Wellhead Protection Program Renewal” (undated)
- Michigan Society of Planning Officials (1995). Using Groundwater Protection Data to Improve Planning and Zoning Decisions.
- Michigan Society of Planning Officials (1995). Reinventing Government for Groundwater Protection: The Need for County-Local Partnerships.
- National Ground Water Association (1991). Wellhead Protection Thirteen Papers on Wellhead Protection Techniques and Strategies.
- USEPA (1994). Ground Water and Wellhead Protection Handbook.
- USEPA (1991). Guide for Conducting Contaminant Source Inventories for Public Drinking Water Supplies Technical Assistance Document.
- USEPA (1985). Protection of Public Water Supplies from Ground-Water Contamination Seminar Publication.
- USEPA (1997). State Source Water Assessment and Protection Programs Guidance Final Guidance.
- USEPA (1989). Wellhead Protection Programs Tools for Local Governments.
- USEPA (2001 Draft). Region 5 – Water Division Source Water Protection 5-Year Strategy (2001 – 2002).
- USEPA Web Page. (<https://www.epa.gov/sourcewaterprotection>)
- Michigan Department of Natural Resources (1991). Community Planning & Zoning for Groundwater Protection in Michigan: A Guidebook for Local Officials.
- Wisconsin Geological and Natural History Survey (1987). A Guide to Groundwater Quality Planning and Management for Local Governments.
- Wyoming Department of Environmental Quality. Web Page (<https://deq.wyoming.gov/water-quality/water-wastewater/source-water-wellhead-protection/>)

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.

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 213 of NREPA, Leaking Underground Storage Tanks Section

Regulates releases from underground storage tank systems in Michigan. The section also provides for the listing and prioritization of contaminated sites.

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 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 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.

Toxic Substances Control Act (TSCA)

Authorizes the EPA to require reporting, record-keeping, and testing requirements, and restrictions relating to chemical substances and/or mixtures. Certain substances are generally excluded from TSCA, including, among others, food, drugs, cosmetics and pesticides. TSCA addresses the production, importation, use, and disposal of specific chemicals including PCBs, asbestos, radon, and lead-based paint.

Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)

Federal statute that governs the registration, distribution, sale, and use of pesticides in the United States.

Resource Conservation and Recovery Act (RCRA)

Public law that creates the framework for the proper management of hazardous and non-hazardous solid waste.

Clean Water Act (CWA)

Establishes the basic structure for regulating discharges of pollutants into the waters of the United States and regulating quality standards for surface waters.

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 or petroleum products 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) or Leaking Underground Storage Tanks Section (Part 213) 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 hydrogen that has two neutrons in the nucleus and one proton. Tritium is naturally occurring in the atmosphere. Tritium is also produced during nuclear weapons explosions, and as a byproduct in nuclear reactors. Atmospheric testing of nuclear weapons in the 1950s and 1960s caused tritium levels in water supplies to spike. (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)

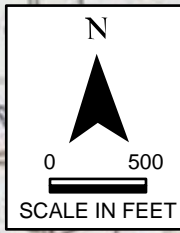
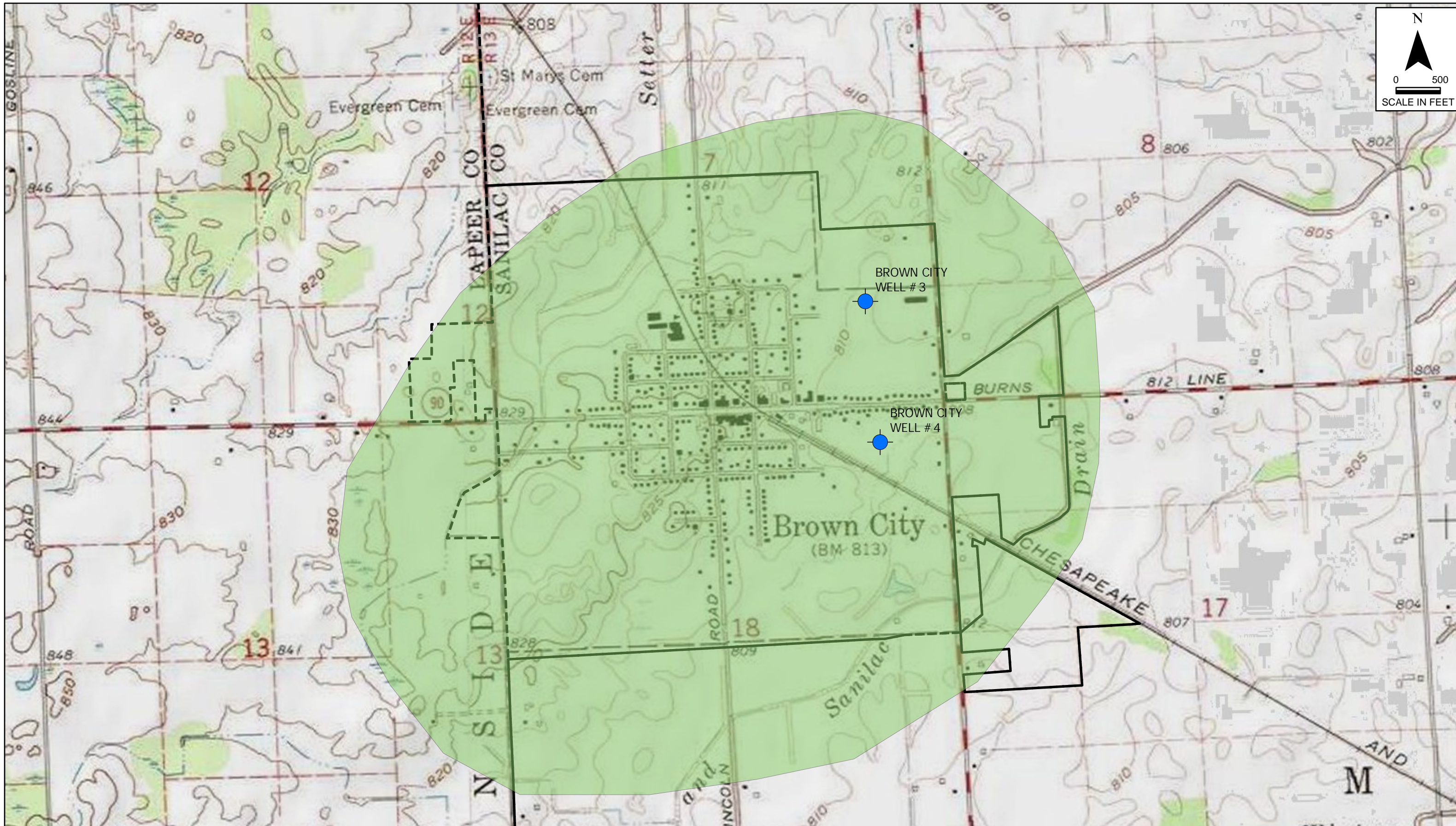
The surface and subsurface area surrounding a water well or wellfield through which contaminants are reasonably likely to move toward and reach such well or wellfield. The WHPA is the "catchment area" of concern for public water supplies dependent on groundwater.

Wellhead Protection Program Plan (WHPP Plan)

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.

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

FIGURES



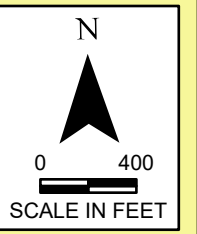
-  Type I Municipal Supply Well
-  Low Vulnerability Wellhead Protection Area
-  Village Boundary

CITY OF BROWN CITY
WELLHEAD PROTECTION PROGRAM
 LAPEER & SANILAC COUNTIES, MICHIGAN
WELLHEAD PROTECTION PLAN RENEWAL 2024

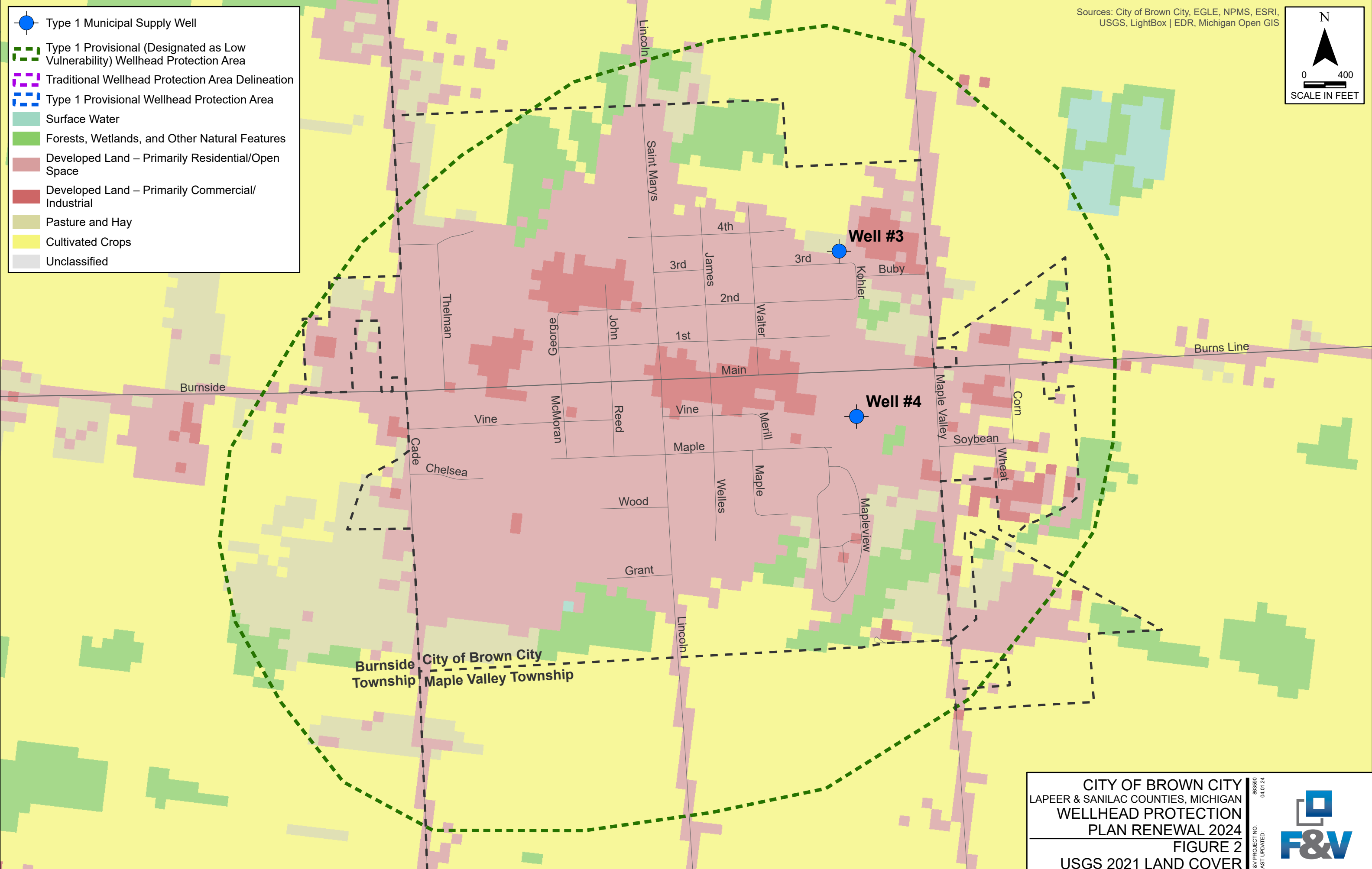
FIGURE 1 - WHPA & MUNICIPAL WELLS

863590
F&V PROJECT NO.





- Type 1 Municipal Supply Well
- Type 1 Provisional (Designated as Low Vulnerability) Wellhead Protection Area
- Traditional Wellhead Protection Area Delineation
- Type 1 Provisional Wellhead Protection Area
- Surface Water
- Forests, Wetlands, and Other Natural Features
- Developed Land – Primarily Residential/Open Space
- Developed Land – Primarily Commercial/Industrial
- Pasture and Hay
- Cultivated Crops
- Unclassified



ATTACHMENT A

Wellhead Protection Team & Other Important WHPP Contacts

Name	Title	Organization	Address	Phone	Email
Mike Vislosky	DPW Foreman	City of Brown City	4205 Main St. PO Box 99, Brown City MI 48416	810.346.2325	DPWVislosky@airadvantage.net
Chuck Bennett	City Manager/Zoning Administrator	City of Brown City	4205 Main St. PO Box 99, Brown City MI 48416	810.346.2325	cbennett@cityofbrowncity.net
Ron Bennett	Director of Maintenance	Brown City Schools	4290 Second St., Brown City MI 48416	810.346.4700 #41-051	RBennett@browncityschools.org
Mark Shadley	Business & Industry	Tri-County Bank	P.O Box 100, Brown City MI 48416	810-346-2745	mshadley@tri-countybank.com
Tim Heiden	Adjacent Municipality Representative	Village of Peck	30 E. Lapeer St., PO Box 317, Peck MI 48466	810.378.5131	theidenvillageofpeck@gmail.com
Eric Burgess	Maintenance Foreman	Brown City Schools	4290 Second St., Brown City MI 48416	810.346.4700 #41-051	eburgess@browncityschools.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)	<u>Common Household Products:</u> 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; <u>Wall and Furniture Treatments:</u> Paints; varnishes; stains; dyes; wood preservatives (creosote); paint and lacquer thinners; paint and varnish removers and deglossers; paint brush cleaners; floor and furniture strippers; <u>Mechanical Repair and Other Maintenance Products:</u> 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, 12} 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 xylenols, 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.

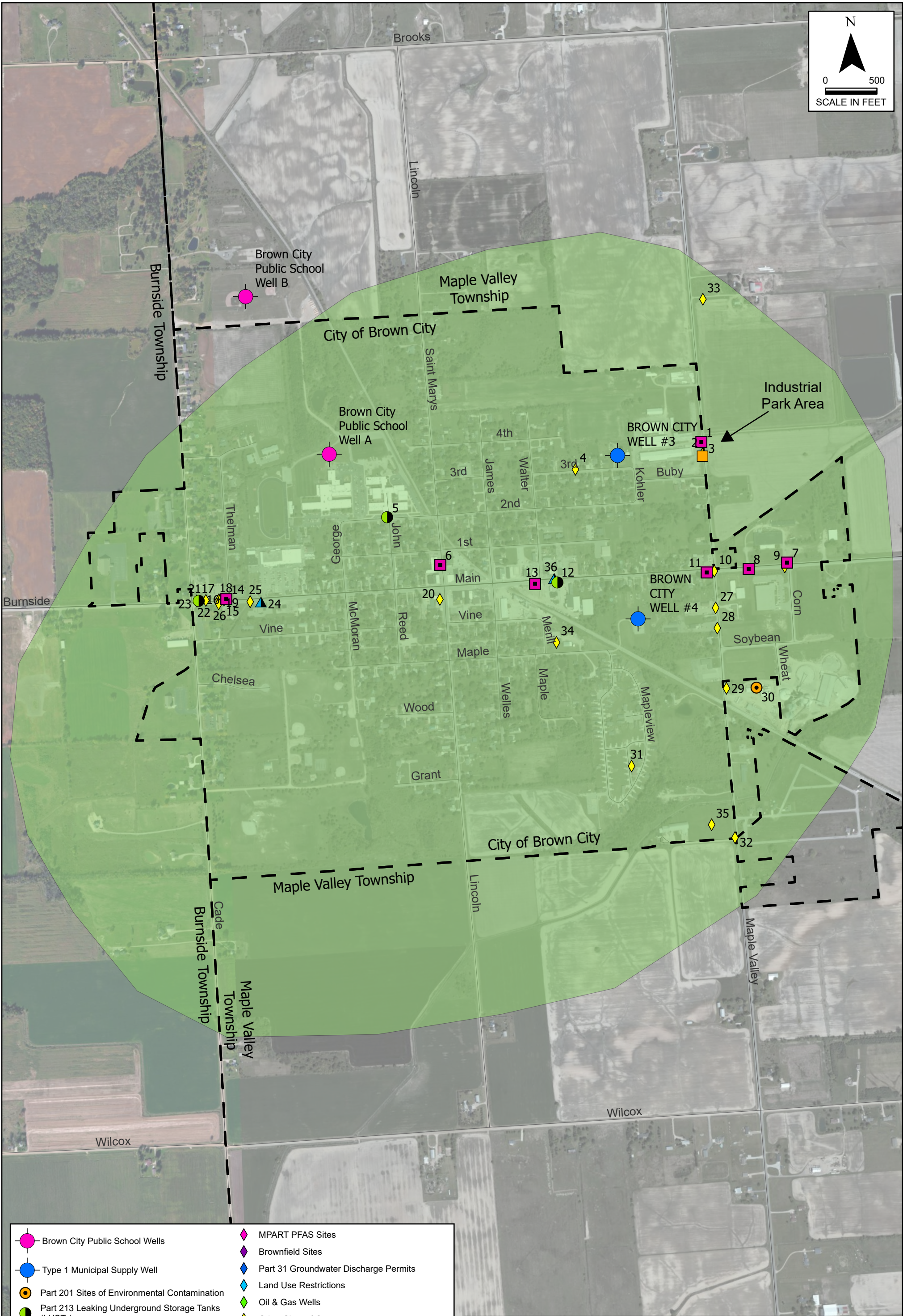
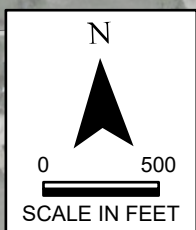
¹⁹X-ray developers and fixers may contain reclaimable silver, glutaldehyde, hydroquinone, phenedone, potassium bromide, sodium sulfite, sodium carbonate, thiosulfates, and potassium alum.

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



- | | | | |
|--|--|--|--|
| | Brown City Public School Wells | | MPART PFAS Sites |
| | Type 1 Municipal Supply Well | | Brownfield Sites |
| | Part 201 Sites of Environmental Contamination | | Part 31 Groundwater Discharge Permits |
| | Part 213 Leaking Underground Storage Tanks (LUSTs) | | Land Use Restrictions |
| | Baseline Environmental Assessment (BEA) | | Oil & Gas Wells |
| | Part 211 Underground Storage Tanks (USTs) | | Other Sites of Concern |
| | Part 111 Hazardous Waste Generators | | Local_GwDischargePermits (Hide in Legend) |
| | Part 115 Landfills | | Pipelines |
| | CERCLA/Superfund Sites | | Low Vulnerability Wellhead Protection Area |
| | | | Traditional Wellhead Protection Area Delineation |
| | | | Type 1 Provisional Wellhead Protection Area |

THE CITY OF BROWN CITY
 LAPEER/SANILAC COUNTY, MICHIGAN
WELLHEAD PROTECTION
PLAN RENEWAL 2024
CONTAMINANT SOURCE INVENTORY

863590
 05.22.24
 ENV PROJECT NO.
 LAST UPDATED:



CITY OF BROWN CITY CONTAMINANT SOURCE INVENTORY

Map ID	Site Owner/Name of Site	Address	Potential Hazard	Comments
1	Clements Great Lakes Div MFG	6880 Maple Valley Rd., Brown City MI 48416	WDS, FINDS, RCRA NonGen/NLR, ECHO	Part of industrial park. Ignitable waste, small quantity generator.
2	Eldorado National Co./ Fmr. Brown City Casting Corporation/	6892 Maple Valley Rd., Brown City MI 48416	AIRS, WDS	Part of industrial park. Registered WDS
3	Maple Valley Road, 6894 Commercial Prop./Brown City Industrial/Plasta Fiber Industries/ A G Davis Gage Y Engineering Co.	6894 Maple Valley Rd., Brown City MI 48416	BEA, VCP, AIRS, WDS, INVENTORY, PART 201, RGA PART 201, WDS, RCRA NonGen/NLR, RINDS, ECHO	Part of industrial park. Part 201 Facility-light industrial 2004, BEA completed 2021
4	Brown City WTP	4070 Third Street & 4065 Main Street, Brown City MI 49416	FINDS, ECHO, NPDES, ENVIRO	NPDES MIG640227 wastewater discharge from potable water supply
5	City of Brown City Community Schools	4290 2nd Street, Brown City MI 48416	RCRA NonGen / NLR, FINDS, ECHO, AIRS, LUST, UST, RGA LUST, WDS	LUST-Gasoline closed 1998; two 3000 gal tanks removed from ground, one 2000 gal tank out of service. Monitoring wells were installed on site and are still present.
6	Great Reflections	6968 Saint Mary's St., Brown City MI 48416	WDS, FINDS, RCRA-VSQG, ECHO	Very small quantity gen
7	Explorer Motor Homes Frank Industries/Bluebird Enterprises	3950 Burnsline Rd., Brown City MI 48416	AIRS, SPILLS, WDS, ENVIRO, FINDS, US AIRS, RCRA NonGen, ECHO, ENVIRO	Very small quantity gen
8	Salvo Tool and Engineering Co.	3948 Burnsline Rd., Brown City MI48416	WDS, FINDS, RCRA-VSQG, ECHO	Very small quantity gen
9	Link Technologies - Brown City	3953 Burnsline Rd., Brown City MI 48416	FINDS, ECHO, ENVIRO, NPDES, ENVIRO	NPDES- MIS410563
10	Brown City Vacant Lot	M-90 & Maple Valley Rd. Brown City MI 48416	US BROWNFIELDS, FINDS	Phase-1 2003 - vacant field/Agg
11	Brown City Auto Parts	4140 Main St., Brown City MI 48416	WDS, FINDS, RCRA NonGen/NLR, ECHO	non-generator
12	Brown City Sunoco/Red Barn Market #6 Inc/ Star Oil Location #1207/ Shell Oil Company	4152 Main St., Brown City MI 48416	AST, LUST, WDS, RGA LUST, LUST, Hist Auto, BEA, Inventory, FINDS	Open LUST- Gasoline/Deisel releases 1996,1999,2000. Active UST- 6000 gal Diesel, 8000 gal gasoline, and two 6000 gal gasoline tanks
13	US Postal Service	4160 Main St., Brown City MI 48416	WDS, FINDS ECHO, RCA NonGen / NLR	non-generator
14	Maple Valley Plastics LLC	4119 E. Main St., Brown City MI 48416	WDS, FINDS, RCRA-VSQG, ECHO	Very small quantity gen
15	Gunn Walter	4153-55 Main St., Brown City MI 48416	EDR Hist Auto	Historic Automotive 1969-1976
16	Shell Oil Company	4139 Main St., Brown City MI 48416	EDR Hist Auto	Historic Automotive 1987-1994
17	Brown City	4205 Main St., Brown City MI 48416	FINDS, ECHO	Community water system/water treatment
18	J & J Farm Services Inc/Crop Productions	4185 Main St., Brown City MI 48416	FINDS, ECHO, FTTS, HIST FTTS, FTTS, SSTS, US AIRS	registered agricultural insecticide
19	Berger and Company	4185 Main St., Brown City MI 48416	SSTS	registered pesticides

CITY OF BROWN CITY CONTAMINANT SOURCE INVENTORY

Map ID	Site Owner/Name of Site	Address	Potential Hazard	Comments
20	Daryls Standard	4253 Main St., Brown City MI 48416	EDR Hist Auto	Historic Automotive 1969-1988. Now a mixed-use building, including a preschool.
21	Carman Funeral Home	4347 Main St., Brown City MI 48416	ENVIRO	Permit:medical waste active-2025
22	Brown City Veterinary Clinic	4455 Main St., Brown City MI 48416	ENVIRO	Permit:medical waste expired-2020
23	BP Brown City AKA...Brown City Sunoco, Kohler Oil Inc, Brown City BP	4429 Main St., Brown City MI 48416	EDR Hist Auto, RGA LUST, RCRA NonGen / NLR, FINDS, ECHO, AST, LUST, UST, INVENTORY, WDS	AST-unregistered 3000 gal unknown, 1100 ga FL/CL. LUST Gasoline releases 2003, 2011 Open. UST Tanks removed from ground.
24	Ben's Supercenter	4436 Main St., Brown City MI 48416	UST, Financial Assurance	UST - 20,000 gal Diesel tank active
25	Ace Hardware	4448 Main St., Brown City MI 48416	AST	AST removed 1993
26	Brown City Clinic / Daniel T Kulick Do.	4472 Main St., Brown City MI 48416	ENVIRO	Permit: medical waste-2024
27	Ron Wood Trucking	7042 Maple Valley Rd., Brown City MI 48416	WDS	Registered WDS. Formerly listed as a Liquid industrial waste generator.
28	T-N-R Tire	7062 Maple Valley Rd., Brown City MI 48416	AST	One AST is registered to Kohler Propane and listed as removed in 1997.
29	MI Agricultural Commodities-Brown City	7115 Maple Valley Rd., Brown City MI 48416	ENVIRO, FINDS	Farm warehouse/storage
30	Crop Production Services AKA...Nutrien AG Solutions, Land O' Lakes, Inc, Sohigro Services Co., Cooperative Elevator Co., Terra Intl Inc., Brown City	7121 Maple Valley Rd., Brown City MI 48416	SSTS, FINDS, RGA PART 201, UST, RMP, FTTS, HIST FTTS	Part 201 Ammonia soil and groundwater contamination from herbicide mixing 2006. Contamination was suspected to have migrated to Lapeer and Sanilac Drain. Closed gasoline UST was removed from ground 1991.
31	7197 Silver Maple Lane	7197 Silver Mpale Lane, Brown City MI 48416	ENVIRO	Flood plane calculation request
32	Emmie Die & Engineering	7254 Maple Valley Rd., Brown City MI 48416	WDS	Former slaughterhouse. Registered WDS
33	Happy Cow Farm	Maple Valley Rd	Identified by Team as agricultural property	Property uses/handles manure
34	City Garage	7065 Merrill St	Identified by Team as AST Site	City DPW garage with above ground storage tanks.
35	Organic Waste Dump	Maple Valley Rd	Identified by Team as dump area	Currently used for organic waste. May have formerly been used for barrels of waste.
36	Former BP	4130 Main Street	Identified by Team as UST Site	Former gasoline station with underground storage tanks (now removed). Site is currently used as offices.



Brown City

Brown City

Brown City, MI 48416

Inquiry Number: 7532425.4s

January 03, 2024

EDR Area / Corridor Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
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www.edrnet.com

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 Please contact EDR at 1-800-352-0050
 with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

SUBJECT PROPERTY INFORMATION

ADDRESS

BROWN CITY
BROWN CITY, MI 48416

TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

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

A review of the RCRA-VSQG list, as provided by EDR, and dated 12/04/2023 has revealed that there are 5 RCRA-VSQG sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<i>A G DAVIS GAGE & ENG</i> EPA ID:: MID099113565	<i>6894 MAPLE VALLEY RD</i>	<i>A9 / 5</i>	<i>40</i>
<i>GREAT REFLECTIONS</i> EPA ID:: MID985653435	<i>6968 SAINT MARYS ST</i>	<i>D19 / 5</i>	<i>66</i>
<i>SALVO TOOL AND ENGIN</i> EPA ID:: MID985582428	<i>3948 BURNS LINE RD</i>	<i>E28 / 5</i>	<i>85</i>
<i>SHELL OIL COMPANY</i> EPA ID:: MID985652940	<i>4152 MAIN ST</i>	<i>H46 / 5</i>	<i>114</i>
<i>MAPLE VALLEY PLASTIC</i> EPA ID:: MIR000027185	<i>4119 E MAIN ST</i>	<i>I53 / 5</i>	<i>121</i>

EXECUTIVE SUMMARY

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank Sites

A review of the LUST list, as provided by EDR, and dated 08/08/2023 has revealed that there are 4 LUST sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BROWN CITY SCHOOLS Release Status: Closed Substance Release: Gasoline Facility Id: 00007384 Facility Id: 7384	4290 2ND ST	C15 / 5	62
RED BARN MARKET #6 I Release Status: Open Facility Id: 10357	4152 MAIN ST	H43 / 5	105
RED BARN MARKET #6 I Release Status: Open Release Status: Closed Substance Release: Gasoline Substance Release: Unknown Substance Release: Gasoline,Diesel Facility Id: 00010357	4152 MAIN ST	H44 / 5	111
BROWN CITY BP Release Status: Open Substance Release: Gasoline,Gasoline Substance Release: Gasoline Facility Id: 00019852 Facility Id: 19852	4429 MAIN ST	J71 / 5	150

Lists of state and tribal registered storage tanks

UST: Underground Storage Tank Facility List

A review of the UST list, as provided by EDR, has revealed that there are 5 UST sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BROWN CITY SCHOOLS Database: UST, Date of Government Version: 06/02/2023 Tank Status: Temporarily Out of Use Tank Status: Removed from Ground Facility Type: Temporarily Out of Use Facility Type: CLOSED Facility Id: 00007384	4290 2ND ST	C15 / 5	62
RED BARN MARKET #6 I Database: UST, Date of Government Version: 06/02/2023 Tank Status: Currently In Use Tank Status: Removed from Ground Facility Type: ACTIVE	4152 MAIN ST	H43 / 5	105

EXECUTIVE SUMMARY

sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
MAPLE VALLEY ROAD, 6	6894 MAPLE VALLEY	A5 / 5	33
MAPLE VALLEY RD. 712	7121 MAPLE VALLEY RD	L91 / 5	181

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

A review of the US BROWNFIELDS list, as provided by EDR, and dated 08/15/2023 has revealed that there is 1 US BROWNFIELDS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BROWN CITY VACANT LO Cleanup Completion Date: -	M-90 & MAPLE VALLEY	F33 / 5	96

Local Lists of Hazardous waste / Contaminated Sites

INVENTORY: Inventory of Facilities

A review of the INVENTORY list, as provided by EDR, and dated 07/17/2023 has revealed that there are 4 INVENTORY sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
MAPLE VALLEY ROAD, 6 Facility ID: 76000006	6894 MAPLE VALLEY	A5 / 5	33
RED BARN MARKET #6 I Facility ID: 10357	4152 MAIN ST	H44 / 5	111
BROWN CITY BP Facility ID: 19852	4429 MAIN ST	J71 / 5	150
MAPLE VALLEY RD. 712 Facility ID: 76000125	7121 MAPLE VALLEY RD	L91 / 5	181

PART 201: Part 201 Site List

A review of the PART 201 list, as provided by EDR, and dated 10/01/2013 has revealed that there are 2 PART 201 sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
MAPLE VALLEY ROAD, 6 Facility Status: Interim Response in progress Facility ID: 76000006	6894 MAPLE VALLEY	A5 / 5	33
MAPLE VALLEY RD. 712	7121 MAPLE VALLEY RD	L91 / 5	181

EXECUTIVE SUMMARY

Facility Status: Inactive - no actions taken to address contamination
 Facility ID: 76000125

CDL: Clandestine Drug Lab Listing

A review of the CDL list, as provided by EDR, and dated 10/17/2023 has revealed that there are 2 CDL sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
Not reported		36 / 5	100
Not reported		G37 / 5	101

Records of Emergency Release Reports

SPILLS: Pollution Emergency Alerting System

A review of the SPILLS list, as provided by EDR, and dated 04/24/2023 has revealed that there are 2 SPILLS sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
Not reported	3950 BURNSLINE RD.	E21 / 5	70
Not reported	4440 VINE ST	79 / 5	157

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/04/2023 has revealed that there are 7 RCRA NonGen / NLR sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CLEMENTS GREAT LAKES EPA ID:: MID981954167	6880 MAPLE VALLEY RD	A2 / 5	28
PLASTA FIBER INDUSTR EPA ID:: MID054507702	6894 MAPLE VALLEY RD	A8 / 5	36
CITY OF BROWN CITY C EPA ID:: MIK921914396	4290 2ND ST	C12 / 5	57
BLUEBIRD ENTERPRISES EPA ID:: MID044252997	3950 BURNSLINE RD	E24 / 5	72
BROWN CITY AUTO PART EPA ID:: MID169760717	4140 MAIN ST	F35 / 5	98
US POSTAL SERVICE EPA ID:: MIK891493637	4160 MAIN ST	G51 / 5	118
KOHLER OIL INC EPA ID:: MIK358459923	4429 MAIN ST	J69 / 5	148

EXECUTIVE SUMMARY

SSTS: Section 7 Tracking Systems

A review of the SSTS list, as provided by EDR, and dated 07/17/2023 has revealed that there are 8 SSTS sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CROP PRODUCTION Registration Number:: 051896MI 023 Registration Number:: 051896MI023	4185 MAIN ST.	I60 / 5	128
J & J FARM SERVICES Registration Number:: 064771MI 001	4185 MAIN ST.	I61 / 5	132
BERGER AND COMPANY Registration Number:: 059545MI 005	4185 MAIN STREET	I62 / 5	144
CROP PRODUCTION SERV Registration Number:: 051896-MI-027	7121 MAPLE VLY RD	L87 / 5	176
NUTRIEN AG SOLUTIONS LAND O' LAKES, INC. Registration Number:: 014774MI 022	7121 MAPLE VALLEY RO 7121 MAPLE VALLEY RD	L90 / 5 L92 / 5	180 182
CROP PRODUCTION SERV Registration Number:: 051896MI027 Registration Number:: 051896-MI-027	7121 MAPLE VALLEY RD	L95 / 5	185
TERRA INTL INC Registration Number:: 014774MI 022	7121 MAPLE VALLEY RD	L98 / 5	219

RMP: Risk Management Plans

A review of the RMP list, as provided by EDR, and dated 09/01/2023 has revealed that there are 5 RMP sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BROWN CITY, MI	PO BOX 480	M84 / 5	162
BROWN CITY, MI 888	PO BOX 480	M85 / 5	165
CROP PRODUCTION SERV	PO BOX 480	M86 / 5	171
COOPERATIVE ELEVATOR	7121 MAPLE VALLEY RO	L94 / 5	183
TERRA INTERNATIONAL,	7121 MAPLE VALLEY RO	L97 / 5	216

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

A review of the FTTS list, as provided by EDR, has revealed that there are 3 FTTS sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
J & J FARM SERVICES, Database: FTTS INSP, Date of Government Version: 04/09/2009	4185 MAIN ST	I58 / 5	127
J & J FARM SERVICES Database: FTTS INSP, Date of Government Version: 04/09/2009	4185 MAIN STREET P O	I59 / 5	127
COOPERATIVE ELEVATOR Database: FTTS INSP, Date of Government Version: 04/09/2009	7121 MAPLE VALLEY RO	L96 / 5	216

EXECUTIVE SUMMARY

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A review of the HIST FTTS list, as provided by EDR, has revealed that there are 3 HIST FTTS sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
J & J FARM SERVICES, Database: HIST FTTS INSP, Date of Government Version: 10/19/2006	4185 MAIN ST	I58 / 5	127
J & J FARM SERVICES Database: HIST FTTS INSP, Date of Government Version: 10/19/2006	4185 MAIN STREET P O	I59 / 5	127
COOPERATIVE ELEVATOR Database: HIST FTTS INSP, Date of Government Version: 10/19/2006	7121 MAPLE VALLEY RO	L96 / 5	216

US AIRS: Aerometric Information Retrieval System Facility Subsystem

A review of the US AIRS list, as provided by EDR, has revealed that there are 2 US AIRS sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BLUEBIRD ENTERPRISES Database: US AIRS MINOR, Date of Government Version: 10/12/2016 EPA plant ID:: 110001844425	3950 BURNSLINE RD	E24 / 5	72
J & J FARM SERVICES Database: US AIRS MINOR, Date of Government Version: 10/12/2016 EPA plant ID:: 110001843667	4185 MAIN ST.	I61 / 5	132

FINDS: Facility Index System/Facility Registry System

A review of the FINDS list, as provided by EDR, and dated 11/03/2023 has revealed that there are 18 FINDS sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CLEMENTS GREAT LAKES Registry ID:: 110003625630	6880 MAPLE VALLEY RD	A2 / 5	28
A G DAVIS GAGE & ENG Registry ID:: 110009598792 Registry ID:: 110002118119	6894 MAPLE VALLEY RD	A9 / 5	40
BROWN CITY WTP Registry ID:: 110022842762	4070 THIRD STREET AN	B10 / 5	49
CITY OF BROWN CITY C Registry ID:: 110015894610	4290 2ND ST	C13 / 5	60
GREAT REFLECTIONS Registry ID:: 110007582623	6968 SAINT MARYS ST	D19 / 5	66
BLUEBIRD ENTERPRISES Registry ID:: 110001844425 Registry ID:: 110070269660	3950 BURNSLINE RD	E24 / 5	72
SALVO TOOL AND ENGIN Registry ID:: 110003642309	3948 BURNS LINE RD	E28 / 5	85
LLINK TECHNOLOGIES L	3953 BURNSLINE RD.	E29 / 5	89

EXECUTIVE SUMMARY

Registry ID:: 110070296857			
BROWN CITY VACANT LO	M-90 & MAPLE VALLEY	F33 / 5	96
Registry ID:: 110030943843			
BROWN CITY AUTO PART	4140 MAIN ST	F35 / 5	98
Registry ID:: 110003615446			
SHELL OIL COMPANY	4152 MAIN ST	H46 / 5	114
Registry ID:: 110003676095			
US POSTAL SERVICE	4160 MAIN ST	G50 / 5	118
Registry ID:: 110015896878			
MAPLE VALLEY PLASTIC	4119 E MAIN ST	I53 / 5	121
Registry ID:: 110003702887			
BROWN CITY	4205 MAIN STREET	I56 / 5	126
Registry ID:: 110013129471			
J & J FARM SERVICE I	4185 MAIN STREET	I57 / 5	126
Registry ID:: 110001843667			
KOHLER OIL INC	4429 MAIN ST	J70 / 5	150
Registry ID:: 110016733203			
MICHIGAN AGRICULTURA	7115 MAPLE VALLEY RO	L82 / 5	161
Registry ID:: 110070062179			
CROP PRODUCTION SERV	7121 MAPLE VALLEY RD	L88 / 5	180
Registry ID:: 110038242924			

ECHO: Enforcement & Compliance History Information

A review of the ECHO list, as provided by EDR, and dated 06/24/2023 has revealed that there are 15 ECHO sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CLEMENTS GREAT LAKES	6880 MAPLE VALLEY RD	A2 / 5	28
Registry ID: 110003625630			
A G DAVIS GAGE & ENG	6894 MAPLE VALLEY RD	A9 / 5	40
Registry ID: 110009598792			
Registry ID: 110002118119			
BROWN CITY WTP	4070 THIRD STREET AN	B10 / 5	49
Registry ID: 110022842762			
CITY OF BROWN CITY C	4290 2ND ST	C13 / 5	60
Registry ID: 110015894610			
GREAT REFLECTIONS	6968 SAINT MARYS ST	D19 / 5	66
Registry ID: 110007582623			
BLUEBIRD ENTERPRISES	3950 BURNSLINE RD	E24 / 5	72
Registry ID: 110001844425			
SALVO TOOL AND ENGIN	3948 BURNS LINE RD	E28 / 5	85
Registry ID: 110003642309			
LLINK TECHNOLOGIES L	3953 BURNSLINE RD.	E29 / 5	89
Registry ID: 110070296857			
BROWN CITY AUTO PART	4140 MAIN ST	F35 / 5	98

EXECUTIVE SUMMARY

Registry ID: 110003615446			
SHELL OIL COMPANY	4152 MAIN ST	H46 / 5	114
Registry ID: 110003676095			
US POSTAL SERVICE	4160 MAIN ST	G50 / 5	118
Registry ID: 110015896878			
MAPLE VALLEY PLASTIC	4119 E MAIN ST	I53 / 5	121
Registry ID: 110003702887			
BROWN CITY	4205 MAIN STREET	I56 / 5	126
Registry ID: 110013129471			
J & J FARM SERVICE I	4185 MAIN STREET	I57 / 5	126
Registry ID: 110001843667			
KOHLER OIL INC	4429 MAIN ST	J70 / 5	150
Registry ID: 110016733203			

AIRS: Permit and Emissions Inventory Data

A review of the AIRS list, as provided by EDR, and dated 09/13/2023 has revealed that there are 6 AIRS sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BROWN CITY CASTING C State Registration Id: N2738	6892 MAPLE VALLEY RO	A3 / 5	31
MAPLE VALLEY ROAD, 6 State Registration Id: N2992	6894 MAPLE VALLEY	A5 / 5	33
BROWN CITY COMMUNITY State Registration Id: H1975	4290 2ND STREET	C14 / 5	61
XPLORER MOTOR HOMES State Registration Id: N1521	3950 BURNSLINE ROAD	E20 / 5	69
EXPLORER MOTOR HOMES State Registration Id: N1521	3950 BURNSLINE ROAD	E22 / 5	70
XPLORER MOTOR HOMES State Registration Id: N1521	3950 BURNSLINE RD	E23 / 5	71

BEA: Baseline Environmental Assessment Database

A review of the BEA list, as provided by EDR, and dated 08/08/2023 has revealed that there are 3 BEA sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
MAPLE VALLEY ROAD, 6	6894 MAPLE VALLEY	A5 / 5	33
RED BARN MARKET #6 I	4152 MAIN ST	H44 / 5	111
MAPLE VALLEY RD. 712	7121 MAPLE VALLEY RD	L91 / 5	181

EXECUTIVE SUMMARY

Financial Assurance: Financial Assurance Information Listing

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

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
RED BARN MARKET #6 I Database: FINANCIAL ASSURANCE 3, Date of Government Version: 09/25/2023	4152 MAIN ST	H44 / 5	111
BEN'S SUPERCENTER Database: FINANCIAL ASSURANCE 3, Date of Government Version: 09/25/2023	4436 MAIN ST	K75 / 5	155

NPDES: List of Active NPDES Permits

A review of the NPDES list, as provided by EDR, and dated 07/05/2022 has revealed that there are 2 NPDES sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BROWN CITY WTP Permit Number: MIG640227	4070 THIRD STREET AN	B11 / 5	49
LINK TECHNOLOGIES Permit Number: MIS410563	3953 BURNSLINE ROAD	E32 / 5	92

WDS: Waste Data System

A review of the WDS list, as provided by EDR, and dated 06/06/2023 has revealed that there are 15 WDS sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CLEMENTS GREAT LAKES Site Id: MID981954167 WMD Id: 400529	6880 MAPLE VALLEY RD	A1 / 5	28
ELDORADO NATIONAL CO Site Id: MIG000046795 WMD Id: 439921	6892 MAPLE VALLEY RD	A4 / 5	32
MAPLE VALLEY ROAD, 6 Site Id: MID054507702 Site Id: MID099113565 WMD Id: 396207 WMD Id: 398080	6894 MAPLE VALLEY	A5 / 5	33
BROWN CITY INDUSTRIA WMD Id: 470702	6894 MAPLE VALLEY RD	A7 / 5	36
CITY OF BROWN CITY C Site Id: MIK921914396 WMD Id: 437593	4290 2ND ST	C17 / 5	65
GREAT REFLECTIONS Site Id: MID985653435 WMD Id: 407902	6968 SAINT MARYS ST	D18 / 5	66
XPLORER MOTOR HOMES Site Id: MID044252997	3950 BURNSLINE RD	E23 / 5	71

EXECUTIVE SUMMARY

WMD Id: 395617			
SALVO TOOL AND ENGIN Site Id: MID985582428 WMD Id: 403091	3948 BURNS LINE RD	E27 / 5	85
BROWN CITY AUTO PART Site Id: MID169760717 WMD Id: 398917	4140 MAIN ST	F34 / 5	97
RED BARN MARKET #6 I Site Id: MID985652940 WMD Id: 407854	4152 MAIN ST	H43 / 5	105
US POSTAL SERVICE Site Id: MIK891493637 WMD Id: 469282	4160 MAIN ST	G49 / 5	118
MAPLE VALLEY PLASTIC Site Id: MIR000027185 WMD Id: 411875	4119 E MAIN ST	I52 / 5	121
KOHLER OIL INC Site Id: MIK358459923 WMD Id: 476518	4429 MAIN ST	J73 / 5	154
RON WOOD TRUCKING Site Id: MIG000040278 WMD Id: 443355	7042 MAPLE VALLEY RD	78 / 5	157
EMMIE DIE & ENGINEER Site Id: MIG000053540 WMD Id: 418741	7254 MAPLE VALLEY RD	100 / 5	222

ENVIRO: Michigan Enviro Information

A review of the ENVIRO list, as provided by EDR, and dated 10/02/2023 has revealed that there are 12 ENVIRO sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BROWN CITY WTP	4070 THIRD STREET AN	B11 / 5	49
FRANK IND-XPLORER MO	3950 BURNSLINE ROAD	E25 / 5	82
BLUEBIRD ENTERPRISES	3950 BURNSLINE ROAD	E26 / 5	84
LLINK TECH-BROWN CIT	3953 BURNSLINE ROAD	E30 / 5	89
LLINK TECHNOLOGIES-B	3953 BURNSLINE ROAD	E31 / 5	91
LINK TECHNOLOGIES	3953 BURNSLINE ROAD	E32 / 5	92
CARMAN FUNERAL HOME	4347 MAIN	J64 / 5	145
BROWN CITY VETERINAR	4455 MAIN	J65 / 5	146
BROWN CITY CLINIC/DA	4472 MAIN	I77 / 5	157
MI AGRICULTURAL COMM	7115 MAPLE VALLEY RO	L81 / 5	159
MICHIGAN AGRICULTURA	7115 MAPLE VALLEY RD	L83 / 5	161
7197 SILVER MAPLE LA	7197 SILVER MAPLE LA	99 / 5	221

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR Exclusive Historical Auto Stations

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 5 EDR Hist Auto sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BROWN CITY SUNOCO	4152 MAIN ST	H40 / 5	104
GUNN WALTER	4153-55 MAIN ST	I54 / 5	125
SHELL	4139 MAIN ST	I55 / 5	125
DARYLS STANDARD	4253 MAIN ST	I63 / 5	145
BP BROWN CITY	4429 MAIN ST	J66 / 5	146

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201: Recovered Government Archive State Hazardous Waste Facilities List

A review of the RGA PART 201 list, as provided by EDR, has revealed that there are 2 RGA PART 201 sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
MAPLE VALLEY ROAD, 6 Facility ID: 7600000 Facility ID: 76000006	6894 MAPLE VALLEY	A6 / 5	35
MAPLE VALLEY RD. 712 Facility ID: 7600012 Facility ID: 76000125	7121 MAPLE VALLEY RD	L89 / 5	180

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

A review of the RGA LUST list, as provided by EDR, has revealed that there are 9 RGA LUST sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BROWN CITY SCHOOLS Facility ID: 00007384 Facility ID: 7384 Facility ID: 0-007384	4290 SECOND ST	C16 / 5	65
STAR OIL LOCATION #1 Facility ID: 0-010357	4152 MAIN ST	H41 / 5	104
STAR LOCATION 1207 Facility ID: 0-010357	4152 MAIN ST	H42 / 5	105
STAR LOCATION #1207	4152 MAIN ST	H45 / 5	114

EXECUTIVE SUMMARY

Facility ID: 0-010357			
BROWN CITY SHELL	4152 MAIN ST	H47 / 5	117
Facility ID: 0-010357			
Facility ID: 00010357			
BROWN CITY SUNOCO	4152 MAIN ST	H48 / 5	117
Facility ID: 10357			
BROWN CITY SUNOCO	4429 W MAIN	J67 / 5	147
Facility ID: 00019852			
BROWN CITY SUNOCO	4429 W MAIN ST	J68 / 5	147
Facility ID: 19852			
BROWN CITY BP	4429 W MAIN ST	J72 / 5	154
Facility ID: 19852			

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor 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.

MAPPED SITES SUMMARY

Target Property:
 BROWN CITY
 BROWN CITY, MI 48416

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
A1 / 5	CLEMENTS GREAT LAKES	6880 MAPLE VALLEY RD	WDS	TP
A2 / 5	CLEMENTS GREAT LAKES	6880 MAPLE VALLEY RD	RCRA NonGen / NLR, FINDS, ECHO	TP
A3 / 5	BROWN CITY CASTING C	6892 MAPLE VALLEY RO	AIRS	TP
A4 / 5	ELDORADO NATIONAL CO	6892 MAPLE VALLEY RD	WDS	TP
A5 / 5	MAPLE VALLEY ROAD, 6	6894 MAPLE VALLEY	INVENTORY, PART 201, AIRS, BEA, WDS, VCP	TP
A6 / 5	MAPLE VALLEY ROAD, 6	6894 MAPLE VALLEY	RGA PART 201	TP
A7 / 5	BROWN CITY INDUSTRIA	6894 MAPLE VALLEY RD	WDS	TP
A8 / 5	PLASTA FIBER INDUSTR	6894 MAPLE VALLEY RD	RCRA NonGen / NLR	TP
A9 / 5	A G DAVIS GAGE & ENG	6894 MAPLE VALLEY RD	RCRA-VSQQ, FINDS, ECHO	TP
B10 / 5	BROWN CITY WTP	4070 THIRD STREET AN	FINDS, ECHO	TP
B11 / 5	BROWN CITY WTP	4070 THIRD STREET AN	NPDES, ENVIRO	TP
C12 / 5	CITY OF BROWN CITY C	4290 2ND ST	RCRA NonGen / NLR	TP
C13 / 5	CITY OF BROWN CITY C	4290 2ND ST	FINDS, ECHO	TP
C14 / 5	BROWN CITY COMMUNITY	4290 2ND STREET	AIRS	TP
C15 / 5	BROWN CITY SCHOOLS	4290 2ND ST	LUST, UST	TP
C16 / 5	BROWN CITY SCHOOLS	4290 SECOND ST	RGA LUST	TP
C17 / 5	CITY OF BROWN CITY C	4290 2ND ST	WDS	TP
D18 / 5	GREAT REFLECTIONS	6968 SAINT MARYS ST	WDS	TP
D19 / 5	GREAT REFLECTIONS	6968 SAINT MARYS ST	RCRA-VSQQ, FINDS, ECHO	TP
E20 / 5	XPLORER MOTOR HOMES	3950 BURNLINE ROAD	AIRS	TP
E21 / 5		3950 BURNLINE RD.	SPIILLS	TP
E22 / 5	EXPLORER MOTOR HOMES	3950 BURNLINE ROAD	AIRS	TP
E23 / 5	XPLORER MOTOR HOMES	3950 BURNLINE RD	AIRS, WDS	TP
E24 / 5	BLUEBIRD ENTERPRISES	3950 BURNLINE RD	RCRA NonGen / NLR, US AIRS, FINDS, ECHO	TP
E25 / 5	FRANK IND-XPLORER MO	3950 BURNLINE ROAD	ENVIRO	TP
E26 / 5	BLUEBIRD ENTERPRISES	3950 BURNLINE ROAD	ENVIRO	TP
E27 / 5	SALVO TOOL AND ENGIN	3948 BURNS LINE RD	WDS	TP
E28 / 5	SALVO TOOL AND ENGIN	3948 BURNS LINE RD	RCRA-VSQQ, FINDS, ECHO	TP
E29 / 5	LLINK TECHNOLOGIES L	3953 BURNLINE RD.	FINDS, ECHO	TP
E30 / 5	LLINK TECH-BROWN CIT	3953 BURNLINE ROAD	ENVIRO	TP
E31 / 5	LLINK TECHNOLOGIES-B	3953 BURNLINE ROAD	ENVIRO	TP
E32 / 5	LINK TECHNOLOGIES	3953 BURNLINE ROAD	NPDES, ENVIRO	TP
F33 / 5	BROWN CITY VACANT LO	M-90 & MAPLE VALLEY	US BROWNFIELDS, FINDS	TP
F34 / 5	BROWN CITY AUTO PART	4140 MAIN ST	WDS	TP
F35 / 5	BROWN CITY AUTO PART	4140 MAIN ST	RCRA NonGen / NLR, FINDS, ECHO	TP
36 / 5			CDL	TP
G37 / 5			CDL	TP
H38 / 5	BROWN CITY SUNOCO	4152 MAIN ST	AST	TP
H39 / 5	RED BARN MARKET #6 I	4152 MAIN ST	AST	TP

MAPPED SITES SUMMARY

Target Property:
 BROWN CITY
 BROWN CITY, MI 48416

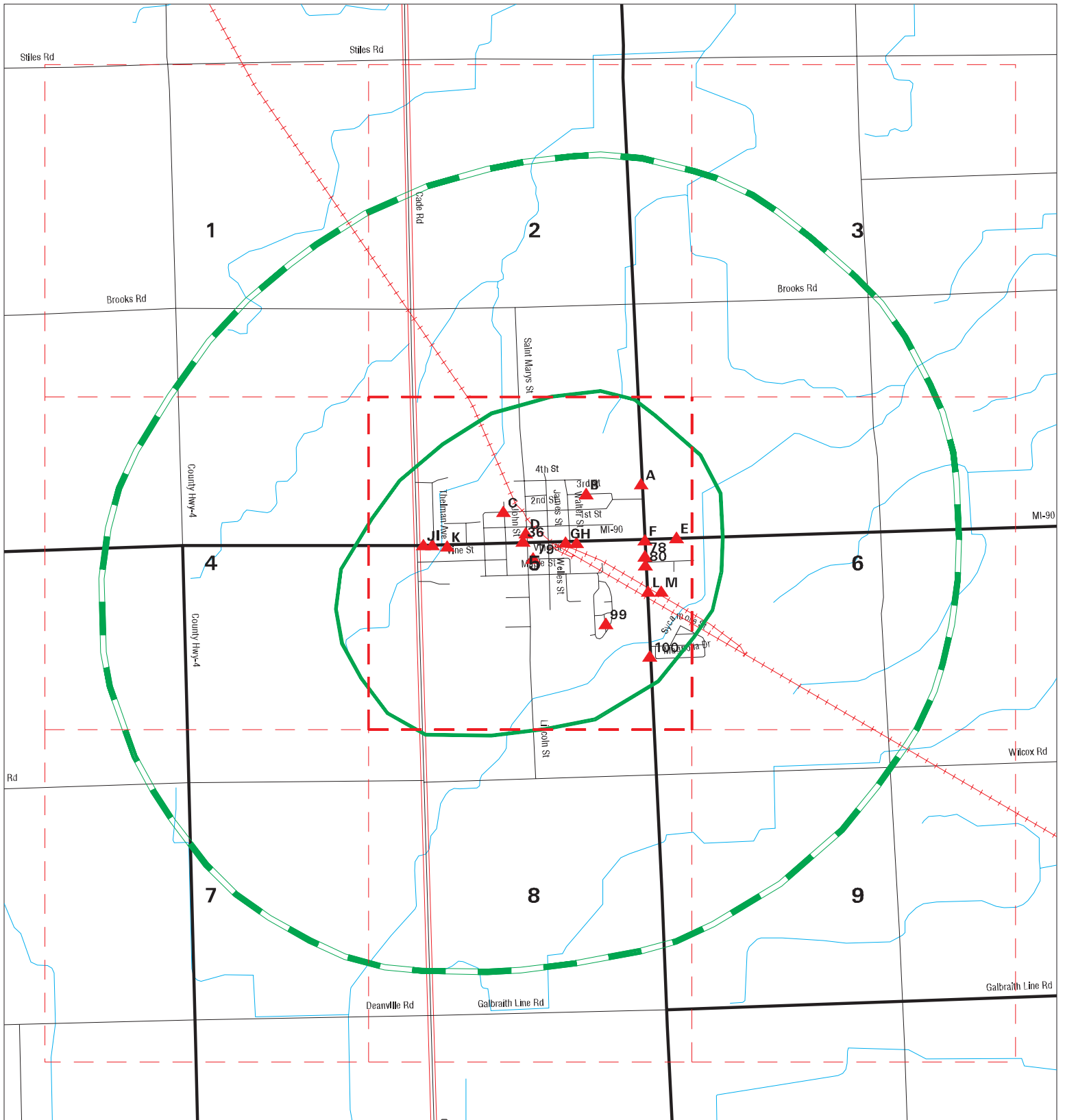
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
H40 / 5	BROWN CITY SUNOCO	4152 MAIN ST	EDR Hist Auto	TP
H41 / 5	STAR OIL LOCATION #1	4152 MAIN ST	RGA LUST	TP
H42 / 5	STAR LOCATION 1207	4152 MAIN ST	RGA LUST	TP
H43 / 5	RED BARN MARKET #6 I	4152 MAIN ST	LUST, UST, WDS	TP
H44 / 5	RED BARN MARKET #6 I	4152 MAIN ST	LUST, INVENTORY, BEA, Financial Assuranc...	TP
H45 / 5	STAR LOCATION #1207	4152 MAIN ST	RGA LUST	TP
H46 / 5	SHELL OIL COMPANY	4152 MAIN ST	RCRA-VSQG, FINDS, ECHO	TP
H47 / 5	BROWN CITY SHELL	4152 MAIN ST	RGA LUST	TP
H48 / 5	BROWN CITY SUNOCO	4152 MAIN ST	RGA LUST	TP
G49 / 5	US POSTAL SERVICE	4160 MAIN ST	WDS	TP
G50 / 5	US POSTAL SERVICE	4160 MAIN ST	FINDS, ECHO	TP
G51 / 5	US POSTAL SERVICE	4160 MAIN ST	RCRA NonGen / NLR	TP
I52 / 5	MAPLE VALLEY PLASTIC	4119 E MAIN ST	WDS	TP
I53 / 5	MAPLE VALLEY PLASTIC	4119 E MAIN ST	RCRA-VSQG, FINDS, ECHO	TP
I54 / 5	GUNN WALTER	4153-55 MAIN ST	EDR Hist Auto	TP
I55 / 5	SHELL	4139 MAIN ST	EDR Hist Auto	TP
I56 / 5	BROWN CITY	4205 MAIN STREET	FINDS, ECHO	TP
I57 / 5	J & J FARM SERVICE I	4185 MAIN STREET	FINDS, ECHO	TP
I58 / 5	J & J FARM SERVICES,	4185 MAIN ST	FTTS, HIST FTTS	TP
I59 / 5	J & J FARM SERVICES	4185 MAIN STREET P O	FTTS, HIST FTTS	TP
I60 / 5	CROP PRODUCTION	4185 MAIN ST.	SSTS	TP
I61 / 5	J & J FARM SERVICES	4185 MAIN ST.	SSTS, US AIRS	TP
I62 / 5	BERGER AND COMPANY	4185 MAIN STREET	SSTS	TP
I63 / 5	DARYLS STANDARD	4253 MAIN ST	EDR Hist Auto	TP
J64 / 5	CARMAN FUNERAL HOME	4347 MAIN	ENVIRO	TP
J65 / 5	BROWN CITY VETERINAR	4455 MAIN	ENVIRO	TP
J66 / 5	BP BROWN CITY	4429 MAIN ST	EDR Hist Auto	TP
J67 / 5	BROWN CITY SUNOCO	4429 W MAIN	RGA LUST	TP
J68 / 5	BROWN CITY SUNOCO	4429 W MAIN ST	RGA LUST	TP
J69 / 5	KOHLER OIL INC	4429 MAIN ST	RCRA NonGen / NLR	TP
J70 / 5	KOHLER OIL INC	4429 MAIN ST	FINDS, ECHO	TP
J71 / 5	BROWN CITY BP	4429 MAIN ST	LUST, UST, AST, INVENTORY	TP
J72 / 5	BROWN CITY BP	4429 W MAIN ST	RGA LUST	TP
J73 / 5	KOHLER OIL INC	4429 MAIN ST	WDS	TP
K74 / 5	BEN'S SUPERCENTER	4436 MAIN ST	UST	TP
K75 / 5	BEN'S SUPERCENTER	4436 MAIN ST	Financial Assurance	TP
K76 / 5	ACE HARDWARE	4448 MAIN ST	AST	TP
I77 / 5	BROWN CITY CLINIC/DA	4472 MAIN	ENVIRO	TP
78 / 5	RON WOOD TRUCKING	7042 MAPLE VALLEY RD	WDS	TP

MAPPED SITES SUMMARY

Target Property:
 BROWN CITY
 BROWN CITY, MI 48416

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
79 / 5		4440 VINE ST	SPILLS	TP
80 / 5	T-N-R TIRE	7062 MAPLE VALLEY RD	AST	TP
L81 / 5	MI AGRICULTURAL COMM	7115 MAPLE VALLEY RO	ENVIRO	TP
L82 / 5	MICHIGAN AGRICULTURA	7115 MAPLE VALLEY RO	FINDS	TP
L83 / 5	MICHIGAN AGRICULTURA	7115 MAPLE VALLEY RD	ENVIRO	TP
M84 / 5	BROWN CITY, MI	PO BOX 480	RMP	TP
M85 / 5	BROWN CITY, MI 888	PO BOX 480	RMP	TP
M86 / 5	CROP PRODUCTION SERV	PO BOX 480	RMP	TP
L87 / 5	CROP PRODUCTION SERV	7121 MAPLE VLY RD	SSTS	TP
L88 / 5	CROP PRODUCTION SERV	7121 MAPLE VALLEY RD	FINDS	TP
L89 / 5	MAPLE VALLEY RD. 712	7121 MAPLE VALLEY RD	RGA PART 201	TP
L90 / 5	NUTRIEN AG SOLUTIONS	7121 MAPLE VALLEY RO	SSTS	TP
L91 / 5	MAPLE VALLEY RD. 712	7121 MAPLE VALLEY RD	PART 201, INVENTORY, BEA, VCP	TP
L92 / 5	LAND O' LAKES, INC.	7121 MAPLE VALLEY RD	SSTS	TP
L93 / 5	SOHIGRO SERVICE CO	7121 MAPLE VALLEY RD	UST	TP
L94 / 5	COOPERATIVE ELEVATOR	7121 MAPLE VALLEY RO	RMP	TP
L95 / 5	CROP PRODUCTION SERV	7121 MAPLE VALLEY RD	SSTS	TP
L96 / 5	COOPERATIVE ELEVATOR	7121 MAPLE VALLEY RO	FTTS, HIST FTTS	TP
L97 / 5	TERRA INTERNATIONAL,	7121 MAPLE VALLEY RO	RMP	TP
L98 / 5	TERRA INTL INC	7121 MAPLE VALLEY RD	SSTS	TP
99 / 5	7197 SILVER MAPLE LA	7197 SILVER MAPLE LA	ENVIRO	TP
100 / 5	EMMIE DIE & ENGINEER	7254 MAPLE VALLEY RD	WDS	TP

Key Map - 7532425.4s



- ▲ Sites
- - - Target Property
- - - Search Buffer
- - - Focus Map - No Sites
- Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



<p>SITE NAME: Brown City ADDRESS: Brown City CITY/STATE: Brown City MI ZIP: 48416</p>	<p>CLIENT: Fleis & VandenBrink Eng. CONTACT: Sam Lipscomb INQUIRY #: 7532425.4s DATE: 01/03/24 1:58 PM</p>
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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
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	TP		NR	NR	NR	NR	NR	0
Proposed NPL	TP		NR	NR	NR	NR	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	TP		NR	NR	NR	NR	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	TP		NR	NR	NR	NR	NR	0
SEMS	TP		NR	NR	NR	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	TP		NR	NR	NR	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	TP		NR	NR	NR	NR	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	TP		NR	NR	NR	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	TP		NR	NR	NR	NR	NR	0
RCRA-SQG	TP		NR	NR	NR	NR	NR	0
RCRA-VSQQ	TP	5	NR	NR	NR	NR	NR	5
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS	TP		NR	NR	NR	NR	NR	0
US INST CONTROLS	TP		NR	NR	NR	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
SHWS	TP		NR	NR	NR	NR	NR	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	TP		NR	NR	NR	NR	NR	0
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	TP	4	NR	NR	NR	NR	NR	4

MAP FINDINGS SUMMARY

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

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	TP		NR	NR	NR	NR	NR	0
DOD	TP		NR	NR	NR	NR	NR	0
SCRD DRYCLEANERS	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP	8	NR	NR	NR	NR	NR	8
ROD	TP		NR	NR	NR	NR	NR	0
RMP	TP	5	NR	NR	NR	NR	NR	5
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP	3	NR	NR	NR	NR	NR	3
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP	3	NR	NR	NR	NR	NR	3
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	TP		NR	NR	NR	NR	NR	0
FUSRAP	TP		NR	NR	NR	NR	NR	0
UMTRA	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP	2	NR	NR	NR	NR	NR	2
US MINES	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
ABANDONED MINES	TP		NR	NR	NR	NR	NR	0
FINDS	TP	18	NR	NR	NR	NR	NR	18
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP	15	NR	NR	NR	NR	NR	15
UXO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	TP		NR	NR	NR	NR	NR	0
PFAS NPL	TP		NR	NR	NR	NR	NR	0
PFAS FEDERAL SITES	TP		NR	NR	NR	NR	NR	0
PFAS TSCA	TP		NR	NR	NR	NR	NR	0
PFAS TRIS	TP		NR	NR	NR	NR	NR	0
PFAS RCRA MANIFEST	TP		NR	NR	NR	NR	NR	0
PFAS ATSDR	TP		NR	NR	NR	NR	NR	0
PFAS WQP	TP		NR	NR	NR	NR	NR	0
PFAS NPDES	TP		NR	NR	NR	NR	NR	0
PFAS ECHO	TP		NR	NR	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	TP		NR	NR	NR	NR	NR	0
PFAS PART 139 AIRPORT	TP		NR	NR	NR	NR	NR	0
AQUEOUS FOAM NRC	TP		NR	NR	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
PFAS	TP		NR	NR	NR	NR	NR	0

Count: 14 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROWN CITY	S129616707	BROWN CITY MISSIONARY CHURCH	4220 3RD STREET	48416	ENVIRO
BROWN CITY	S129784673	CADE ROAD-LAPEER: 13-44-0034-P	CADE ROAD OVER WILLOUGHBY DRAIN	48416	ENVIRO
BROWN CITY	S129718722	76-7206 MAPLEVIEW-SANILAC	7206 MAPLEVIEW CIRCLE	48416	ENVIRO
BROWN CITY	S129890824	POND-BROWN CITY: 13-44-0037-P	3284 BROWN CITY ROAD	48416	ENVIRO
BROWN CITY	S129820228	COMPLAINT:02-44-0005-V	7294 BROWN SCHOO ROAD	48416	ENVIRO
BROWN CITY	U003082690	AMOCO OIL CO	VINE ST	48416	UST
BROWN CITY	S128466680		M-53 & VANDYKE, 1 3/4 MILES NORTH OF BURNSIDE (M-90)		SPILLS
BROWN CITY	S128469829		5197 MAPLE VALLEY ROAD		SPILLS
BROWN CITY	S128456326		CADE RD. BETWEEN CLEAR LAKE AND ABBOTT RD.		SPILLS
BROWN CITY	1000252874	SOHIGRO SERVICE CO	E OF BROWN CITY-MAPLE RD	48416	RCRA NonGen / NLR
BROWN CITY	1012050921	COOPERATIVE ELEVATOR CO. - BROWN CITY PLT	7121 MAPLE VALLEY RD	48416	SSTS
BROWN CITY	1016274136	SOHIGRO SERVICE CO	E OF BROWN CITY-MAPLE RD	48416	FINDS, ECHO
BROWN CITY	S110485208	GROGAN/RASKA PROPERTY	5197 MAPLE VALLEY RD	48416	WDS
BROWN CITY	S111933297	SOHIGRO SERVICE CO	E OF BROWN CITY-MAPLE RD	48416	WDS

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: 09/19/2023	Source: EPA
Date Data Arrived at EDR: 10/03/2023	Telephone: N/A
Date Made Active in Reports: 10/19/2023	Last EDR Contact: 01/02/2024
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/08/2024
	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: 09/19/2023	Source: EPA
Date Data Arrived at EDR: 10/03/2023	Telephone: N/A
Date Made Active in Reports: 10/19/2023	Last EDR Contact: 01/02/2024
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/08/2024
	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: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/08/2024
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: 09/25/2023
Date Data Arrived at EDR: 09/26/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/20/2023
Next Scheduled EDR Contact: 04/08/2024
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: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 01/22/2024
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: 09/19/2023	Source: EPA
Date Data Arrived at EDR: 10/03/2023	Telephone: 800-424-9346
Date Made Active in Reports: 10/19/2023	Last EDR Contact: 01/02/2024
Number of Days to Update: 16	Next Scheduled EDR Contact: 01/22/2024
	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: 12/04/2023	Source: EPA
Date Data Arrived at EDR: 12/06/2023	Telephone: 800-424-9346
Date Made Active in Reports: 12/12/2023	Last EDR Contact: 12/06/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 04/01/2024
	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: 12/04/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/06/2023	Telephone: 312-886-6186
Date Made Active in Reports: 12/12/2023	Last EDR Contact: 12/06/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 04/01/2024
	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: 12/04/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/06/2023	Telephone: 312-886-6186
Date Made Active in Reports: 12/12/2023	Last EDR Contact: 12/06/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 04/01/2024
	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: 12/04/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/06/2023	Telephone: 312-886-6186
Date Made Active in Reports: 12/12/2023	Last EDR Contact: 12/06/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 04/01/2024
	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: 12/04/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/06/2023	Telephone: 312-886-6186
Date Made Active in Reports: 12/12/2023	Last EDR Contact: 12/06/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 04/01/2024
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 08/03/2023	Source: Department of the Navy
Date Data Arrived at EDR: 08/07/2023	Telephone: 843-820-7326
Date Made Active in Reports: 10/10/2023	Last EDR Contact: 11/02/2023
Number of Days to Update: 64	Next Scheduled EDR Contact: 02/19/2024
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 08/21/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/21/2023	Telephone: 703-603-0695
Date Made Active in Reports: 11/07/2023	Last EDR Contact: 11/17/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 03/04/2024
	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: 08/21/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/21/2023	Telephone: 703-603-0695
Date Made Active in Reports: 11/07/2023	Last EDR Contact: 11/17/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 03/04/2024
	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: 09/18/2023

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 09/20/2023

Telephone: 202-267-2180

Date Made Active in Reports: 12/11/2023

Last EDR Contact: 12/13/2023

Number of Days to Update: 82

Next Scheduled EDR Contact: 04/01/2024

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

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 10/31/2013

Telephone: 517-284-5103

Date Made Active in Reports: 11/20/2013

Last EDR Contact: 10/10/2023

Number of Days to Update: 20

Next Scheduled EDR Contact: 01/29/2024

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: 09/19/2023

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 09/20/2023

Telephone: 517-335-4035

Date Made Active in Reports: 12/11/2023

Last EDR Contact: 12/20/2023

Number of Days to Update: 82

Next Scheduled EDR Contact: 04/01/2024

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: 08/08/2023

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 08/09/2023

Telephone: 517-373-9837

Date Made Active in Reports: 10/27/2023

Last EDR Contact: 11/02/2023

Number of Days to Update: 79

Next Scheduled EDR Contact: 02/19/2024

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: 04/20/2023

Source: EPA Region 1

Date Data Arrived at EDR: 05/09/2023

Telephone: 617-918-1313

Date Made Active in Reports: 07/14/2023

Last EDR Contact: 10/11/2023

Number of Days to Update: 66

Next Scheduled EDR Contact: 01/29/2024

Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/26/2023	Source: EPA Region 6
Date Data Arrived at EDR: 05/09/2023	Telephone: 214-665-6597
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

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

Date of Government Version: 04/20/2023	Source: EPA Region 10
Date Data Arrived at EDR: 05/09/2023	Telephone: 206-553-2857
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	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: 04/14/2023	Source: EPA, Region 5
Date Data Arrived at EDR: 05/09/2023	Telephone: 312-886-7439
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	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: 04/19/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/09/2023	Telephone: 415-972-3372
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	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: 04/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 05/09/2023	Telephone: 913-551-7003
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	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: 04/20/2023	Source: EPA Region 4
Date Data Arrived at EDR: 05/09/2023	Telephone: 404-562-8677
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	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: 04/19/2023	Source: EPA Region 8
Date Data Arrived at EDR: 05/09/2023	Telephone: 303-312-6271
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	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: 03/08/2023	Source: FEMA
Date Data Arrived at EDR: 03/09/2023	Telephone: 202-646-5797
Date Made Active in Reports: 05/30/2023	Last EDR Contact: 12/26/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 04/15/2024
	Data Release Frequency: Varies

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 01/28/2022	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 02/01/2022	Telephone: 517-373-1820
Date Made Active in Reports: 04/25/2022	Last EDR Contact: 10/05/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 01/22/2024
	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: 06/02/2023	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 08/10/2023	Telephone: 517-373-1820
Date Made Active in Reports: 10/27/2023	Last EDR Contact: 12/07/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/19/2024
	Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 10/27/2023	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 11/03/2023	Telephone: 517-373-1820
Date Made Active in Reports: 11/16/2023	Last EDR Contact: 10/26/2023
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/19/2024
	Data Release Frequency: No Update Planned

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: 04/20/2023	Source: EPA Region 4
Date Data Arrived at EDR: 05/09/2023	Telephone: 404-562-9424
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2023	Source: EPA Region 8
Date Data Arrived at EDR: 05/09/2023	Telephone: 303-312-6137
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 05/09/2023	Telephone: 913-551-7003
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	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: 04/20/2023	Source: EPA, Region 1
Date Data Arrived at EDR: 05/09/2023	Telephone: 617-918-1313
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	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: 04/14/2023	Source: EPA Region 5
Date Data Arrived at EDR: 05/09/2023	Telephone: 312-886-6136
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/26/2023	Source: EPA Region 6
Date Data Arrived at EDR: 05/09/2023	Telephone: 214-665-7591
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	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: 04/20/2023	Source: EPA Region 10
Date Data Arrived at EDR: 05/09/2023	Telephone: 206-553-2857
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	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: 04/19/2023	Source: EPA Region 9
Date Data Arrived at EDR: 05/09/2023	Telephone: 415-972-3368
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

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

Date of Government Version: 08/22/2023

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 08/24/2023

Telephone: 517-373-4828

Date Made Active in Reports: 11/08/2023

Last EDR Contact: 11/15/2023

Number of Days to Update: 76

Next Scheduled EDR Contact: 03/04/2024

Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015

Source: EPA, Region 1

Date Data Arrived at EDR: 09/29/2015

Telephone: 617-918-1102

Date Made Active in Reports: 02/18/2016

Last EDR Contact: 12/12/2023

Number of Days to Update: 142

Next Scheduled EDR Contact: 04/01/2024

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008

Source: EPA, Region 7

Date Data Arrived at EDR: 04/22/2008

Telephone: 913-551-7365

Date Made Active in Reports: 05/19/2008

Last EDR Contact: 07/08/2021

Number of Days to Update: 27

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

VCP: Voluntary Cleanup Program site

A listing of sites enrolled in the Voluntary Cleanup

Date of Government Version: 08/21/2023

Source: DEQ

Date Data Arrived at EDR: 08/21/2023

Telephone: 517-373-9837

Date Made Active in Reports: 11/02/2023

Last EDR Contact: 11/15/2023

Number of Days to Update: 73

Next Scheduled EDR Contact: 03/04/2024

Data Release Frequency: N/A

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: 05/08/2023

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 07/18/2023

Telephone: 517-373-4805

Date Made Active in Reports: 10/10/2023

Last EDR Contact: 10/17/2023

Number of Days to Update: 84

Next Scheduled EDR Contact: 01/29/2024

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: 07/17/2023

Source: Economic Development Corporation

Date Data Arrived at EDR: 07/19/2023

Telephone: 888-522-0103

Date Made Active in Reports: 10/11/2023

Last EDR Contact: 10/16/2023

Number of Days to Update: 84

Next Scheduled EDR Contact: 01/29/2024

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 08/15/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2023	Telephone: 202-566-2777
Date Made Active in Reports: 12/01/2023	Last EDR Contact: 12/14/2023
Number of Days to Update: 93	Next Scheduled EDR Contact: 03/25/2024
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

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

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 06/27/2023	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 06/28/2023	Telephone: 517-241-5719
Date Made Active in Reports: 09/19/2023	Last EDR Contact: 12/12/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 04/01/2024
	Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 10/23/2023
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/05/2024
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
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: 10/28/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 08/21/2023
Date Data Arrived at EDR: 08/21/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 78

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: No Update Planned

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

INVENTORY: Inventory of Facilities

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/17/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/12/2023
Number of Days to Update: 86

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-284-5136
Last EDR Contact: 10/17/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 10/25/2023
Date Made Active in Reports: 10/31/2023
Number of Days to Update: 6

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: No Update Planned

DEL PART 201: Delisted List of Contaminated Sites

A delisted 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: 08/21/2023
Date Data Arrived at EDR: 08/21/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 78

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Quarterly

Local Land Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/09/2023
Date Data Arrived at EDR: 10/10/2023
Date Made Active in Reports: 01/02/2024
Number of Days to Update: 84

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-7603
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/22/2024
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.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 04/08/2024
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: 09/18/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 11/14/2023
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
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: 04/24/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/19/2023
Number of Days to Update: 84

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-8427
Last EDR Contact: 10/17/2023
Next Scheduled EDR Contact: 01/29/2024
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: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/07/2023	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/15/2023	Telephone: 202-528-4285
Date Made Active in Reports: 10/10/2023	Last EDR Contact: 11/10/2023
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/26/2024
	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: 06/07/2021	Source: USGS
Date Data Arrived at EDR: 07/13/2021	Telephone: 888-275-8747
Date Made Active in Reports: 03/09/2022	Last EDR Contact: 10/09/2023
Number of Days to Update: 239	Next Scheduled EDR Contact: 01/22/2024
	Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 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: 10/04/2023
Number of Days to Update: 574	Next Scheduled EDR Contact: 01/15/2024
	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: 07/30/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2023	Telephone: 615-532-8599
Date Made Active in Reports: 02/10/2023	Last EDR Contact: 11/08/2023
Number of Days to Update: 7	Next Scheduled EDR Contact: 02/19/2024
	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: 09/18/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/20/2023	Telephone: 202-566-1917
Date Made Active in Reports: 12/12/2023	Last EDR Contact: 12/13/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 04/01/2024
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/31/2023
Next Scheduled EDR Contact: 02/12/2024
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
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/03/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 03/25/2024
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: 12/31/2021
Date Data Arrived at EDR: 08/18/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 81

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 02/26/2024
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: 07/17/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 01/29/2024
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: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 09/01/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/27/2023	Telephone: 202-564-8600
Date Made Active in Reports: 12/21/2023	Last EDR Contact: 09/26/2023
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/29/2024
	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: 09/19/2023	Source: EPA
Date Data Arrived at EDR: 10/03/2023	Telephone: 202-564-6023
Date Made Active in Reports: 10/19/2023	Last EDR Contact: 12/04/2023
Number of Days to Update: 16	Next Scheduled EDR Contact: 02/12/2024
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023	Source: EPA
Date Data Arrived at EDR: 04/04/2023	Telephone: 202-566-0500
Date Made Active in Reports: 06/09/2023	Last EDR Contact: 10/06/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/15/2024
	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: 12/26/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/15/2024
	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/20/2023	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/01/2023	Telephone: 301-415-0717
Date Made Active in Reports: 09/20/2023	Last EDR Contact: 10/10/2023
Number of Days to Update: 19	Next Scheduled EDR Contact: 01/29/2024
	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: 12/31/2021	Source: Department of Energy
Date Data Arrived at EDR: 04/14/2023	Telephone: 202-586-8719
Date Made Active in Reports: 07/10/2023	Last EDR Contact: 11/27/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 03/11/2024
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/27/2023
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/11/2024
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 11/03/2023
Number of Days to Update: 96	Next Scheduled EDR Contact: 02/12/2024
	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: 12/19/2023
Next Scheduled EDR Contact: 04/08/2024
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: 10/04/2023
Next Scheduled EDR Contact: 02/05/2024
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: 06/30/2023
Date Data Arrived at EDR: 07/19/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 83

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
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: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
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: 01/02/2024
Number of Days to Update: 546	Next Scheduled EDR Contact: 04/15/2024
	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: 03/03/2023	Source: Department of Energy
Date Data Arrived at EDR: 03/03/2023	Telephone: 202-586-3559
Date Made Active in Reports: 06/09/2023	Last EDR Contact: 10/25/2023
Number of Days to Update: 98	Next Scheduled EDR Contact: 02/12/2024
	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: 11/09/2023
Number of Days to Update: 74	Next Scheduled EDR Contact: 02/26/2024
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 09/19/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/03/2023	Telephone: 703-603-8787
Date Made Active in Reports: 10/19/2023	Last EDR Contact: 01/02/2024
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/08/2024
	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: 08/01/2023
Date Data Arrived at EDR: 08/22/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 77

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
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: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 02/19/2024
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: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
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: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 11/28/2023	Source: Department of Interior
Date Data Arrived at EDR: 11/29/2023	Telephone: 202-208-2609
Date Made Active in Reports: 12/11/2023	Last EDR Contact: 11/28/2023
Number of Days to Update: 12	Next Scheduled EDR Contact: 03/18/2024
	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: 11/03/2023	Source: EPA
Date Data Arrived at EDR: 11/08/2023	Telephone: (312) 353-2000
Date Made Active in Reports: 11/20/2023	Last EDR Contact: 11/08/2023
Number of Days to Update: 12	Next Scheduled EDR Contact: 03/11/2024
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023	Source: Department of Defense
Date Data Arrived at EDR: 09/13/2023	Telephone: 703-704-1564
Date Made Active in Reports: 12/11/2023	Last EDR Contact: 09/13/2023
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/22/2024
	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: 06/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/29/2023	Telephone: 202-564-2280
Date Made Active in Reports: 09/25/2023	Last EDR Contact: 12/28/2023
Number of Days to Update: 88	Next Scheduled EDR Contact: 04/15/2024
	Data Release Frequency: Quarterly

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 11/15/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 03/04/2024
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/14/2023
Date Data Arrived at EDR: 08/15/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 65

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facility's name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

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: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
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: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 07/16/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 12/19/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/08/2023
Date Data Arrived at EDR: 08/09/2023
Date Made Active in Reports: 10/27/2023
Number of Days to Update: 79

Source: Department of Environment, Great Lakes & Energy
Telephone: 517-284-9278
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 09/13/2023
Date Data Arrived at EDR: 09/14/2023
Date Made Active in Reports: 12/04/2023
Number of Days to Update: 81

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-7074
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing

Asbestos

Date of Government Version: 09/30/2023
Date Data Arrived at EDR: 10/12/2023
Date Made Active in Reports: 10/26/2023
Number of Days to Update: 14

Source: Department of Licensing & Regulatory Affairs
Telephone: 517-284-7699
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 04/15/2024
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: 08/08/2023
Date Data Arrived at EDR: 08/09/2023
Date Made Active in Reports: 10/26/2023
Number of Days to Update: 78

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-9541
Last EDR Contact: 11/02/2023
Next Scheduled EDR Contact: 02/19/2024
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: 12/19/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 07/11/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 77

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4586
Last EDR Contact: 10/13/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 09/29/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 78

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-6610
Last EDR Contact: 12/19/2023
Next Scheduled EDR Contact: 04/08/2024
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: 09/11/2023
Date Data Arrived at EDR: 09/14/2023
Date Made Active in Reports: 09/21/2023
Number of Days to Update: 7

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4034
Last EDR Contact: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Varies

FINANCIAL ASSURANCE 3: Financial Assurance Information Listing

Financial assurance information for underground storage tank facilities.

Date of Government Version: 09/25/2023
Date Data Arrived at EDR: 10/06/2023
Date Made Active in Reports: 10/12/2023
Number of Days to Update: 6

Source: Department of Licensing & Regulatory Affairs
Telephone: 517-335-7279
Last EDR Contact: 12/19/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Varies

LEAD: Lead Information Registry Listing

All properties in this registry received a lead-based paint inspection or a lead risk assessment, and a lead abatement service. A lead-based paint inspection identifies any lead present on the property. The lead risk assessment determines if any of the lead found is a hazard. Lead abatement services address or remove the lead hazards.

Date of Government Version: 08/25/2023
Date Data Arrived at EDR: 09/12/2023
Date Made Active in Reports: 12/07/2023
Number of Days to Update: 86

Source: Department of Health & Human Services
Telephone: 517-335-9390
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
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: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

MANIFEST: Hazardous Waste Manifest Data

A generator who transports, or offers for transportation, hazardous waste for off-site treatment, storage or disposal must prepare a hazardous waste manifest to accompany such shipment.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 172

Source: Department of Environment, Great Lakes & Energy
Telephone: 517-284-6838
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/05/2022
Date Data Arrived at EDR: 09/27/2022
Date Made Active in Reports: 12/13/2022
Number of Days to Update: 77

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-1300
Last EDR Contact: 12/26/2023
Next Scheduled EDR Contact: 04/08/2024
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: 10/19/2023
Date Data Arrived at EDR: 10/19/2023
Date Made Active in Reports: 10/30/2023
Number of Days to Update: 11

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-1515
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
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: 06/06/2023
Date Data Arrived at EDR: 06/07/2023
Date Made Active in Reports: 08/29/2023
Number of Days to Update: 83

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-284-6562
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

SSCUP: State Owned Sites Cleanup Program List

Public Act 380 of 1996 amended Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, PA 451 of 1994, by adding Section 20108c and creating the State Sites Cleanup Fund (SSCUF) and the State Sites Cleanup Program (SSCUP). Its intent was to fund environmental cleanups at contaminated sites where the state is a liable party as an owner or operator of the site, as defined in Section 20126 of Part 201.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 12/04/2023
Number of Days to Update: 230

Source: Department of Environment, Great Lakes & Energy
Telephone: 517-284-5153
Last EDR Contact: 10/16/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

ENVIRO: Michigan Enviro Information

MiEnviro is permitting and compliance for air quality and water resources, including National Pollutant Discharge Elimination System (NPDES), storm water, groundwater discharge, aquatic nuisance control, Part 41 construction, medical waste registrations, and land and water interface permits.

Date of Government Version: 10/02/2023
Date Data Arrived at EDR: 10/05/2023
Date Made Active in Reports: 12/14/2023
Number of Days to Update: 70

Source: Department of Environment, Great Lakes, & Energy
Telephone: 800-662-9278
Last EDR Contact: 10/05/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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: 08/07/2023

Date Data Arrived at EDR: 08/08/2023

Date Made Active in Reports: 10/24/2023

Number of Days to Update: 77

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 11/07/2023

Next Scheduled EDR Contact: 02/19/2024

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: 12/27/2023

Next Scheduled EDR Contact: 04/15/2024

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: 12/31/2019

Date Data Arrived at EDR: 11/30/2023

Date Made Active in Reports: 12/01/2023

Number of Days to Update: 1

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 11/30/2023

Next Scheduled EDR Contact: 02/05/2024

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: 10/05/2023

Next Scheduled EDR Contact: 01/22/2024

Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/09/2022
Next Scheduled EDR Contact: 02/26/2024
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: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

STREET AND ADDRESS INFORMATION

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ATTACHMENT D

Management Strategies



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

PERMIT INFORMATION

Michigan.gov/EGLEPermits

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has prepared a list of key questions to help identify what EGLE 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 EGLE, 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: Michigan.gov/EHSguide. Please call the Environmental Assistance Center at 800-662-9278 to talk with any of the EGLE programs noted below.

How Do I Know that I Need a Construction Permit?

- 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](#)
 Yes No

- 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
 Yes No

- 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:
 - a. Does the project involve construction of a building or septic system in a designated Great Lakes high risk erosion area?
 Yes No

 - 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?
 Yes No

c. Does the project propose any development, construction, silvicultural activities or contour alterations within a designated critical dune area?

Yes No

d. Does the project involve construction of a dam, weir or other structure to impound flow?

Yes No

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

Yes No

5) Does the project involve the construction or alteration of a water supply system or sewage disposal system for a manufactured housing project? [Drinking Water & Environmental Health Division](#) (DWEHD), 517-284-6524

Yes No

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 [EGLE District Office](#)

Yes No

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 [EGLE District Office](#)

Yes No

8) Does the project involve the construction or modification of a campground? DWEHD, [Campgrounds program](#), 517-284-6529

Yes No

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? Materials Management Division (MMD), [Solid Waste](#), 517-284-6588, or [EGLE District Office](#)

Yes No

- 10) Does the project involve the construction of an on-site treatment, storage, or disposal facility for hazardous waste? MMD, Hazardous Waste Section, [Treatment, Storage and Disposal](#), 517-284-6562

Yes No

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

Yes No

- 12) I have a Non-Community Water Supply (Type II) [Guide, Contact \(District or County\) Local Health Department](#), 517-485-0660

Yes No

- 13) I am a community water supply (Type I) [Community Water Supply, DWEHD District Office, Community Water Supply Program](#), 517-284-6512

Yes No

- 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

Yes No

Who Regulates My Drinking (Potable) Water Supply?

- 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, [EGLE District Office](#), or [National Pollutant Discharge Elimination \(NPDES\) Permit Program](#), 517-284-5568

Yes No

- 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 [EGLE District Office](#), 517-284-5588

Yes No

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

Yes No

18) Does the project involve the drilling or deepening of wells for waste disposal? [Oil, Gas and Minerals Division](#) (OGMD), 517-284-6841

Yes No

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

Yes No

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

Yes No

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? [MMD](#), 517-284-6588 or [EGLE District Office](#)

Yes No

22) Does the project involve the on-site treatment, storage, or disposal of hazardous waste? [MMD](#), [Hazardous and Liquid Waste](#), 517-284-6562

Yes No

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](#)) [MMD](#), [EGLE District Office](#), 517-284-6562

Yes No

- 24) Does the project involve the receipt, possession, manufacture, use, storage, transport, transfer, release, or disposal of radioactive material in any form? MMD, [Radioactive Material and Standards Unit](#), 517-284-6581
- Yes No
- 25) Does the project involve decommissioning or decontamination of tanks, piping, and/or appurtenances that may have radioactive levels above background? MMD [Radioactive Material and Standards Unit](#), 517-284-6581
- Yes No
- 26) Does the project involve the generation of medical waste or a facility that treats medical waste prior to its disposal? MMD, [Medical Waste Regulatory Program](#), 517-284-6594
- Yes No

What Sector-Specific Permits May be Relevant to My Business?

Transporters

- 27) Does the project involve the transport of some other facility's non-hazardous liquid waste? MMD, [Transporter Program](#), 517-284-6562
- Yes No
- 28) Does the project involve the transport of hazardous waste? MMD, [Transporter Program](#), 517-284-6562
- Yes No
- 29) Do you engage in the business of transporting bulk water for drinking or household purposes (except for your own household use)? DWEHD, [Water Hauler Information](#), 517-284-6527
- Yes No
- 30) 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? DWEHD, [Septage Program](#), 517-284-6535
- Yes No
- 31) Do you store, haul, shred or process scrap tires? MMD, [Scrap Tire Program](#), 517-284-6586
- Yes No

Sectors

- 32) Is the project a dry-cleaning establishment utilizing perchloroethylene or a flammable solvent in the cleaning process? AQD, [Dry Cleaning Program](#), 517-284-6780
- Yes No
- 33) Does your laboratory test potable water as required for compliance and monitoring purposes of the Safe Drinking Water Act? [Laboratory Services Certifications](#), 517-284-5424
- Yes No
- 34) Does the project involve the operation of a public swimming pool? DWEHD, [Public Swimming Pool Program](#), 517-284-6529
- Yes No
- 35) Does the project involve the operation of a campground? DWEHD, [Campgrounds program](#), 517-284-6529
- Yes No

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
- Yes No
- 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
- Yes No

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)? OGMD, [Petroleum Geology and Production Unit](#), 517-284-6826
- Yes No

39) Does the project involve the removal of sand from a sand dune area within two (2) miles of a Great Lakes shoreline? OGMD, Minerals and Mapping Unit, [Sand Dune Mining Program](#), 517-284-6826

Yes No

40) Does the project involve decommissioning or decontamination of tanks, piping, and/or appurtenances that may have radioactive levels above background? MMD, [Radioactive Protection Programs](#), 517-284-6581

Yes No

[Petroleum and Mining](#), OGMD, 517-284-6826

41) Does the project involve the diversion and control of water for the mining and processing of low-grade iron ore?

Yes No

42) Does the project involve the surface or open-pit mining of metallic mineral deposits?

Yes No

43) Does the project involve the mining of nonferrous mineral deposits at the surface or in underground mines?

Yes No

44) Does the project involve mining coal?

Yes No

45) Does the project involve changing the status or plugging of a mineral well?

Yes No

46) Does the project involve the drilling or deepening of wells for brine production, solution mining, storage, or as test wells?

Yes No

[Permits and Bonding](#), OGMD, 517-284-6841

47) Do you want to change the status of an oil or gas well (i.e. plug the well)?

Yes No

48) Does the project involve drilling of oil, gas, brine disposal, secondary recovery, or hydrocarbon storage wells?

Yes No

If you need further assistance, please fill out the information below and email the form to EGLE-assist@Michigan.gov.

Requestor Information

First and Last Name: _____

Requestor Phone Number: _____

Requestor E-Mail: _____

If you need this information in an alternate format, contact EGLE-Accessibility@Michigan.gov or call 800-662-9278.

EGLE does not discriminate on the basis of race, sex, religion, age, national origin, color, marital status, disability, political beliefs, height, weight, genetic information, or sexual orientation in the administration of any of its programs or activities, and prohibits intimidation and retaliation, as required by applicable laws and regulations. Questions or concerns should be directed to the Nondiscrimination Compliance Coordinator at EGLE-NondiscriminationCC@Michigan.gov or 517-249-0906.

This form and its contents are subject to the Freedom of Information Act and may be released to the public.

Resolution Supporting Wellhead Protection Program

Whereas, the City of _____ recognizes the importance of its groundwater supply as a natural resource used for drinking; and

Whereas, it is within the responsibility of the City of _____ as a public water supplier, to consider the health, safety, and welfare of its customers; and

Whereas, groundwater contamination can and does occur as a consequence of a variety of land use activities; and

Whereas, it is desirable to preserve and protect the quantity and quality of our groundwater resources to assure a continued safe, adequate, and useable supply, now and in the future; and

Whereas, the protection of current and potential future sources of groundwater used for drinking water is worthwhile from the standpoint of resource protection; and

Whereas, the Department of Environment, Great Lakes, and Energy (EGLE) has established rules and guidelines for conducting a Wellhead Protection Program; and

Whereas, a grant program as been established to provide financial assistance for local Wellhead Protection Programs; and

Now, Therefore, Be it Resolved, that the City Council of the City of _____ hereby commits to supporting the approval and implementation of the Wellhead Protection Program, and maintaining an active Wellhead Protection Program.

RESOLUTION NO. _____
WELLHEAD PROTECTION

At a regular meeting of the _____ Village/City Council, County of _____, State of Michigan held on _____, at _____ P.M. at _____ the following resolution was offered in the form of a motion made by _____ and seconded by _____.

WHEREAS the Village/City of _____ in cooperation with the Department of Environment, Great Lakes, and Energy (EGLE) began working on a Wellhead Protection Program in _____; and

WHEREAS the Village/City of _____ has now completed said Wellhead Protection Program for approval by the Department of Environment, Great Lakes, and Energy (EGLE); and

WHEREAS the Village/City of _____ supports the protection of groundwater, realizing that water is a precious resource that must be protected not only within a defined well field protection area but within the Village/City and the State; and

THEREFORE, BE IT RESOLVED that the Council of the Village/City of _____ supports the approval and implementation of the Wellhead Protection Program.

Roll call vote.

AYES: Members:

NAYS: Members:

ABSENT: Members:

I HEREBY CERTIFY that the foregoing is a true and complete copy of a resolution offered and adopted by a vote of the Village/City Council, Village/City of _____, _____ County, State of Michigan, at its Regular meeting held on _____, 2023.

ATTACHMENT E

Emergency Response Plan(s)

Date: April 8th, 2024

EMERGENCY RESPONSE PLAN
For the City of Brown City Water System
WSSN: 0930

In case of emergency, such as loss of pressure, inadequate quantities of water available, or contamination, contact the Michigan Department of Natural Resources as soon as possible.

GENERAL:

1. Personnel:

List personnel available during emergency conditions (include position, job duties, telephone number, and if available during strikes):

<u>Name:</u>	<u>Job Title:</u>	<u>Home Phone:</u>	<u>Cell Phone:</u>	<u>Available:</u>
Mike Vislosky	DPW Foreman	810-346-3800	810-414-1944	No
Austin Roy	DPW Worker	810-417-0626	810-414-1944	No
Andy Hilgendorf	DPW Worker	810-650-8661	810-414-1944	No
Chuck Bennett	City Manager	810-990-9866	810-404-2325	Yes

2. Miscellaneous:

List other telephone numbers which may need to be utilized during emergencies:
Owner: City of Brown City 810-346-2325

a. EGLE

District Engineer: Kristin Bailey 1-989-280-1291
Environmental Quality Analyst Rebecca Kaiser 1-989-894-6293
EGLE Emergency (Bay City Office) 1-989-326-6949
Fax 1-989-891-9237

b. Appropriate Municipal Officials:

City Manager Chuck Bennett 810-404-2325 (cell)
Mayor Julie Miller 810-537-1863 (cell)

c. Local Health Department: Sanilac County Health Dept 810-648-4098

d. Department of Agriculture: 1-800-292-3939

e. Police:

Sanilac County Sheriff Dispatch 911 810-648-2000
Chief Ron Smith 1-810-712-2764 (personal cell) 1-810-414-1955 (police cell)
Officer Mark Perez 1-313-854-4658 (personal cell)

f. Fire Department:

Sanilac County Sheriff Dispatch 911 810-648-2000

- Chief Travis Blatt 1-810-537-1324 (personal cell)
- g. Newspapers: Sanilac County News 1-810-648-4000
- h. Radio/TV Stations:
 WMIC Radio Sandusky, Michigan 810-648-2700
 Local GATV Channel 6 – City Hall
- i. Nearby Water Utilities:
 City of Marlette Joe Willis 810-359-4855
 Village of Peck Jeff Warren 810-378-5090 810-404-1159(personal cell)
- d. Nearby Laboratories
 Village of Lexington 1-810-359-5901
 DEQ 1-877-390-5158

List telephone numbers of reputable contractors which may need to be utilized during emergencies:

- a. Excavators:
 Gene Burgess 346-2917 1-810-404-2917
 Trombley Excavating 1-810-459-7679
- b. Well Drillers: Northern Pump & Well 1-877-477-1757
- c. Welders: Greg Wilcox 346-3032
 Steve Warren 378-5924
- d. Electricians:
 Cumper Brothers Electric 810-648-4841 810-414-1234
 Sky Electric 810-664-0460
 Maurer Electric 989-269-8171
- e. Plumbers: R B Plumbing 810-688-2772
- f. Other: Michigan Pipe and Valve 810-230-2737
 Municipal Supply 517-647-6597
 ETNA Supply 989-753-5893

3. Suppliers:

List telephone numbers of suppliers which may need to be utilized during emergencies:

- a. Chemical Suppliers: Elhorn Engineering Co 1-517-676-3786
- b. Pump Suppliers: Northern Pump & Well 1-877-477-1757
- c. Water Main Repair: Michigan Pipe and Valve 810-230-2737
 Municipal Supply 517-647-6597

- d. Other: City crews; assistance of excavators when required.

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.
The City had neither hospitals nor critical care facilities.
2. Describe method to provide critical customers with a continuous supply of water.
Bottled water.

COMMUNICATIONS

1. Methods of communication available during power outages:
 - a. Hand delivery of notices.
 - b. Local GATV Channel 6
 - c. City Webpage: <https://cityofbrowncity.net/>
 - d. WMIC Radio – 810-648-2700
 - e. Sanilac County News 1-810-648-4000
2. Describe methods to provide customers or users with current information and recommended precautions to protect public health.
 - a. Hand delivery of notices.
 - b. Local GATV Channel 6
 - c. City Webpage: <https://cityofbrowncity.net/>
 - d. WMIC Radio – 810-648-2700
 - e. Sanilac County News 1-810-648-4000

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.

Blue prints and plans are available at the DPW Garage – 4065 Merrill Street.
Prints are available at City Hall – 4205 Main Street.

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).

Blue prints and plans are available at the DPW Garage – 4065 Merrill Street.
MSDS are available at the Brown City Fire Department – 4090 Main Street

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 Site 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.

Bacterial Sample Sites:

4065 Merrill Street

4290 Second Street.

Well #3 4070 Third Street.

Well #4 4065 Main Street.

Other Sample Sited:

7214 Lincoln Street.

6924 Walter Street.

6873 Thelman Avenue

4100 First Street.

4126 Main Street.

7115 Maple Valley Road

4472 Main Street.

4397 Main Street.

6783 Cade Road.

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.

The City has formal agreements with Sandusky, Croswell, Marlette and Peck to share equipment and personnel as required (EVIP CCCP).

5. Emergency Supplies and Equipment Plans

- a. 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.

Equipment and vehicles are located at the DPW Garage – 4065 Merrill Street. Other equipment can be acquired locally. Also, the City has formal agreements with Sandusky, Croswell, Marlette and Peck to share equipment and personnel as required (EVIP CCCP).

- b. 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).

Heavy equipment can be acquired locally.

- c. First aid supplies and equipment. Include locations and contact information for securing additional supplies and equipment.

Located at the DPW Garage or acquired through local EMS crew or Marlette Regional Hospital.

SOURCE

Master meter – NONE.

Groundwater Sources

Well No.	Diameter (inches)	Depth (ft)	Capacity (gpm)	Location	Treatment
3	16	328	625	4070 Third Street	Chlorine
4	16	315	640	4065 Main Street	Chlorine

Surface Water Sources – None.

- 1. Describe method to operate wells (manually & automatically):

Wells can be operated manually or automatically.

Manual: Turn hand-off-auto knob to HAND position and push green START button.

Automatic: Turn hand-off-auto knob to AUTO position.

List procedure to follow in case of chemical overfeed.

- (1) Turn off feed pump.
- (2) Determine amount of overfeed and areas affected.
- (3) Flush affected areas until acceptance levels are reached.
- (4) Notify personnel and residents as necessary.

- 2. Auxiliary Power available:

Type and location: Natural gas powered electric generator on Well #3.

Capacity: 100 kw.

Describe how to activate and operate auxiliary power: Generator is automatic.

If auxiliary power is leased, rented, shared or otherwise not immediately available on the property, describe the procedure for securing the equipment.
 – N/A.

TREATMENT

1. If treatment employed at wells, describe method to provide auxiliary power to chemical feed pumps.

Runs with generator on Well #3.

2. If centralized treatment employed (iron removal, zeolite softening, etc.):

- a. Describe method to provide auxiliary power to high service pumps:

Runs with generator on Well #3.

- b. Describe method to provide auxiliary power to chemical feed pumps:

Runs with generator on Well #3.

- c. Describe procedure to bypass treatment facility:

Utilize existing valve system.

3. If no treatment, describe method to provide emergency chlorination:

Runs with generator on Well #3.

4. If surface water treatment employed, describe method to provide auxiliary power.

N/A.

DISTRIBUTION

1. Storage

Tank Type	Capacity	Location
Pedestal elevated	200,000 gallons	4070 Third Street

Describe procedure to bypass storage facility:

Shutoff valves.
Bring in portable water tank.

2. Pumping stations:
 - a. Identify location and capacity of pumps:
See above.
 - b. Describe method to provide auxiliary power to pumps:
See above.
3. Describe any emergency interconnections with other water supplies. List contact persons, telephone numbers and procedures to secure water from and provide water to those other water supplies. None.
4. List available licensed water haulers and sources of bottled water with phone numbers.

Brown City Fire Department – 1-810-537-2665 (Fire Chief’s cell)
Ben’s Supermarket – 346-2835
Culligan – 989-635-7585

ADDITIONAL INSTRUCTIONS

The Emergency Response Plan shall be located and distributed as necessary to assure effective use by all necessary waterworks personnel.

This plan shall be updated every three (3) years or as necessary (as changes occur in personnel, contact information, or other factors).

Signed: _____ Date: April 8th, 2024
Michael Vislosky
DPW Foreman, City of Brown City

Signed: _____ Date: April 8th, 2024
Chuck Bennett
City Manager, City of Brown City

ATTACHMENT F

Public Participation and Education

SOURCE WATER PROTECTION – PUBLIC EDUCATION EXAMPLES

Road Signs



Consumer Confidence Report or Water Quality Report Examples

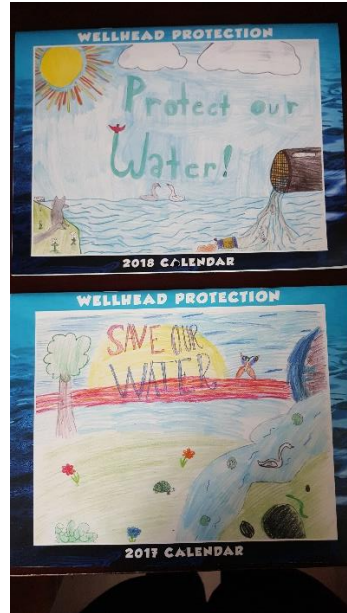
Example 1: Groundwater is the source of drinking water for everyone in ___ County. Groundwater is located beneath the ground surface in the spaces between sand and gravel particles. Groundwater is preferred over surface water in this area since it is relatively abundant, easy to extract, and generally lacks harmful bacteria. However, groundwater can also be vulnerable to contamination if any spills, leaks or dumping of harmful substances occur at or beneath the ground surface.

The City has a Michigan Department of Environment, Great Lakes, and Energy (EGLE) approved Wellhead Protection Program (WHPP). EGLE performed Source Water Assessments to evaluate the susceptibility of all public water supply sources to contamination. The susceptibility rating is on a six-tiered scale from “very low” to “high” based primarily on geologic sensitivity, water chemistry, well construction and contaminant sources. The susceptibility rating of the City’s wellfields was: _____. For more information regarding these ratings or the WHPP, please contact _____.

Example 2: The purpose of the Wellhead Protection program is to identify the Wellhead Protection Area (WHPA), which is the area of the surface and subsurface that is expected to contribute groundwater to the Municipal supply wells in the next 10 years. The City has one approved WHPA in the service area. See the map located on the back page to see if you live in the WHPA.

If you live in or around a WHPA or any other wellfield, the use of certain household hazardous chemicals (like paint, solvents, gasoline, etc.) should be closely monitored in order to reduce the possibility of groundwater contamination. You can help protect our water supply by using chemicals carefully. Remember: Prevention of groundwater contamination is far less expensive than groundwater cleanup! For more information about this program, call the DPW or go to <https://www.michigan.gov/egle>.

Student Participation/Contests



Classroom Education



Groundwater model presentation and water treatment plant tour.



Drinking Water, Wastewater & Your Watershed Model

City of Vassar
May 5 · 🌐

As part of the City's commitment to our Wellhead Protection Program, and in conjunction with the Michigan Department of Environment, Great Lakes, and Energy, a few members from our DPW visited Vassar Public Schools last week. The 5th grade students built edible Aquifers and learned about where our water comes from and how to protect it. 💧



👍❤️ 22 1 Comment 2 Shares

👍 Like

💬 Comment

🔗 Share

School presentation and aquiflurries.

Environmental Protection TIP #2

Proper medicine disposal

Don't rush to flush!

Pharmaceuticals and personal care products (PPCPs) include prescription drugs, over the counter medications and cosmetics. They can pass through wastewater treatment plants in small amounts and find their way into rivers and lakes. Controlling what goes down the drain helps to protect our environment and quality of life.



What can YOU do to help?

1. Don't flush PPCPs down the toilet.
2. For expired or unused medicine disposal:
 - (a) Find a local pharmacy that participates in the West Michigan "Take Back Meds" program.
 - (b) For both solids (pills) and liquids, scratch out or black out the patient's name and address before taking it to a participating pharmacy. The pharmacy must be able to see the medication type so they can properly sort it.
3. Controlled Substances and medications must be taken to a participating local law enforcement station and deposited into the secured drop off box located in the lobby area.

For additional information and a complete list of participating pharmacies and law enforcement agencies and their locations go to grcity.us or wmtakebackmeds.org (Phone: 456-3625)
With your cooperation we can keep your home and community safe.



Printed on recycled paper

Keeping Your Drinking Water Safe

Kalamazoo Lake Sewer and Water Authority



Wellhead Protection Program

In the event of a spill emergency, please call 911

Sanilac County Free Hazardous Waste & Tire Collection



- ❖ Household Hazardous Waste
- ❖ Farm Chemicals and Pesticides
- ❖ Waste oil
- ❖ Electronics
- ❖ Scrap Tires

Location: Sanilac County 4-H Fairgrounds, Sandusky

Date: Thursday, April 25th

Time: 2:00 to 6:00 p.m.

The Sanilac County Government with the help of volunteer departments and individuals sponsors the Household Hazardous Waste Collection. Participation is free to Sanilac county households. The hazardous waste collection is funded by the Sanilac County Recycling Millage and the pesticide collection is funded by the Michigan Department of Ag and Rural Development. Question can be directed to JoAnn Bye, 810-404-7650.

Accepted Items

Tires: (No tractor or large truck tires accepted):

- Personal vehicle tires with or without rims
- Limit of 7 tires per vehicle (P.A. Act 451 of 1994)
- Tires accepted on first come, first serve basis until maximum capacity reached.

Dropping off designated items before or after the event at the Sanilac Recycling Center or fairgrounds is **prohibited**.

Electronics Accepted (NO large appliances):

- | | | | |
|----------------------|--------------------------|-------------------|-----------------------|
| • Microwaves | • Printers | • Fax machines | • Syringe needles |
| • CD and DVD players | • Phones | • Digital cameras | • Smoke detectors |
| • Small appliances | • Small electronic tools | • Scanners | • Household batteries |
| • Televisions | • Computer monitors | | |

Farm and Household Chemicals (Includes products that are toxic (poisonous), flammable, caustic (causes burns), corrosive, or chemically reactive):

- | | | | |
|---------------------|----------------------|------------------|----------------------|
| • Pesticides | • Mercury | • Drain cleaners | • Caulks |
| • Oil based paint | • Propane cylinders | • Pool chemicals | • Fire extinguishers |
| • Wood preservative | • Turpentine | • Shellac | • Fluorescent bulbs |
| • Kerosene | • Lighter fluid | • Roof coating | • PCB ballasts |
| • Sealers | • Asbestos | • Aerosols | • Rust-Oleum |
| • Motor oil | • Transmission fluid | • Auto fluids | • Reactives |
| • Flammables | • Insecticides | • Fungicides | • Fumigants |
| • Antifreeze | | | |

Items Not Accepted

- | | | |
|-----------------------------|---------------------|-------------------------|
| • Tractor tires | • Large truck tires | • Latex paint |
| • Large appliances | • Water based paint | • Ammunition/explosives |
| • Commercial business waste | | |

Sanilac County reserves the right to accept or reject any item(s) or volume of item(s).

Sanilac County is an equal opportunity employer and provider