Phase I Environmental Site Assessment

Camp Ottawa Correctional Facility 216 Gendron Road Iron River, MI 49935

Prepared for:

Design and Construction Division
Department of Technology, Management & Budget State Facilities Administration
State of Michigan
3111 West St. Joseph Street
Lansing, Michigan 48917

Date: March 14, 2018

TriMedia Project Number 2018-038

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Based on reasonably ascertainable information compiled by TriMedia Environmental & Engineering Services, LLC (TriMedia), including information and data provided by other individuals and agencies, it is our opinion that this Phase I Environmental Site Assessment (ESA) has not revealed evidence suggesting the presence of Recognized Environmental Conditions (RECs) associated with the subject property.

TriMedia was retained by the State of Michigan, Department of Technology, Management, & Budget State Facilities Administration – Design and Construction Division (DTMB-D&C) to conduct a Phase I ESA of the subject property located at 216 Gendron Road in Iron River, Michigan. The purpose of the Phase I ESA is to evaluate potential RECs associated with the subject property in accordance with American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessment Process (Designation: E1527-13).



Report Recommendations

Based on reasonably ascertainable information compiled by TriMedia, as well as information and data provided by other select individuals and/or agencies during the completion of this Phase I ESA, it is our professional opinion the results of the Phase I ESA have not revealed evidence suggesting the presence of current environmental concerns regarding the subject property. Further quantitative environmental investigation (i.e. Limited Phase II ESA) is not recommended for the subject property.

During completion of the Phase I ESA, TriMedia conducted a site reconnaissance, a review of current and historical information, a review of regulatory documentation, and interviews with individuals familiar with the subject property. The Phase I ESA was conducted by administering the scope of services defined in TriMedia's Technical and Cost Proposal dated February 12, 2018 and accepted by Mr. Sadi Rayyan, Project Director, DTMB—D&C on February 14, 2018. The following were not included in the scope of services: asbestos sampling, radon sampling, lead-based paint inspection and analytical laboratory evaluation, mold inspection, lead in drinking water analysis, regulatory compliance, and wetland determination.

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1.0 SUMMARY

TriMedia Environmental & Engineering Services, LLC (TriMedia) was retained by the State of Michigan via the Michigan Department of Technology, Management & Budget – Design and Construction Division (DTMB – D&C) to complete a Phase I Environmental Site Assessment (Phase I ESA) of surplus state-owned property which is under Michigan Department of Corrections (DOC) jurisdiction located at 216 Gendron Road in Iron River Township, Iron County, Michigan ("subject property") in connection with the potential sale of the subject property. The Phase I ESA was conducted in general accordance with American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13).

After a review of environmental records, site reconnaissance, review of historical data, and select interviews, TriMedia found no indication of <u>Recognized Environmental Conditions</u> (RECs) associated with the subject property.

2.0 INTRODUCTION

2.1 LOCATION AND LEGAL DESCRIPTION

The subject property is an approximate 105-acre parcel located at 216 Gendron Avenue, Iron River Township, Iron County, Michigan known as the Camp Ottawa Correctional Facility. The subject property is located approximately 2 miles north-northwest of the City of Iron River.

The location of the subject property is presented in Figure 1 and Figure 2, included in Appendix A. Copies of deed and survey information on file with the DTMB — Real Estate Division are included in Appendix B including legal descriptions for the original parcel, a cutout in 2009, and an easement to the Wisconsin Electric Power Company.

2.2 Purpose

The purpose of the Phase I ESA was to evaluate the subject property for the presence of RECs (as defined by ASTM E1527-13). This investigative effort was conducted to provide the State of Michigan with a basis for asserting landowner liability protections and defenses (should landowner liability protections and defenses become necessary) under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) (42 U.S.C. et seq.).



This evaluation was conducted in general accordance with ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13). Performance of this Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding environmental matters, while recognizing reasonable limits of time and cost.

The following terms and acronyms may appear in this report:

- 1. Aboveground Storage Tank (AST) any tank that currently is or has in the past been used to contain hazardous substances or petroleum products, and which is located at least 90% above surface grade.
- 2. Activity and Use Limitations (AULs) legal (institutional controls) or physical (engineering controls) restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, and/or surface water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.
- 3. Adjoining Property any real property or properties the border of which is contiguous or partially contiguous with that of the subject property, or that would be contiguous or partially contiguous with that of the subject property but for a street, road, or other public thoroughfare separating them.
- 4. Conditionally Exempt Small Quantity Generator (CESQG) handler generates, transports, stores, or treats one hundred (100) kilograms or less of hazardous waste per calendar month and accumulates one thousand (1000) kilograms or less of hazardous waste at any time.
- 5. Controlled Recognized Environmental Condition (CREC) a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A CREC is to be



- listed in the findings section of the Phase I ESA report, and as an REC in the conclusions section of the Phase I ESA.
- 6. De minimis condition a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.
- 7. Environmental Lien a charge, security, or encumbrance upon title to a property to secure payment of a cost, damage, debt, obligation, or duty arising out of response actions, clean-up, 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) & 9607(r) and similar state or local laws.
- 8. Fire Insurance Maps maps produced for private fire insurance companies (i.e., Sanborn Maps) that indicate historical uses of properties at specific dates.
- Hazardous Substance a substance defined as a hazardous substance pursuant to CERCLA 42 USC 9601(14) as interpreted by EPA regulations and the courts.
- 10. Historical Recognized Environmental Condition a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use restrictions, institutional controls, or engineering controls).
- 11. Large Quantity Generator (LQG) handler generates, transports, stores, or treats over one thousand (1000) kilograms of hazardous waste or over one kilogram of acutely hazardous waste per calendar month.
- 12. LUST an underground storage tank on the State of Michigan list of leaking underground storage tank sites.



- 13. Material Threat a physically observable or obvious threat which is reasonably likely to lead to a release that is threatening and may result in a negative impact to public health or the environment.
- 14. MDEQ Michigan Department of Environmental Quality.
- 15. Migrate/migration for purposes of this practice, "migrate" and "migration" refers to the movement of hazardous substance or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.
- 16. PCB Polychlorinated Biphenyl.
- 17. Petroleum Products petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under CERCLA 42 USC, including natural gas, natural gas liquids, and synthetic gas usable for fuel.
- 18. Physical Setting Sources sources that provide information about the geologic, hydrogeologic, or topographical characteristics of the site.
- 19. Reasonably Ascertainable information that is (1) publicly available, (2) obtainable from a source within reasonable time and cost constraints, and (3) practically reviewable.
- 20. Recognized Environmental Condition (REC) the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.
- 21. Small Quantity Generator (SQG) handler generates, transports, stores, or treats more than one hundred (100) and less than one thousand (1,000) kilograms of hazardous waste during any calendar month and accumulates less than six thousand (6,000) kilograms of hazardous waste at any time.
- 22. Underground Storage Tank (UST) any tank, including underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath surface grade.



2.3 DETAILED SCOPE OF SERVICES

This Phase I ESA is based on the scope of services defined in TriMedia's Technical and Cost Proposal dated February 12, 2018, and awarded by Mr. Sadi Rayyan, Project Director, DTMB – D&C on February 14, 2018. The scope of services included a site reconnaissance, regulatory and historical records review, interviews with individuals knowledgeable about the subject property, and development of this report in accordance with ASTM E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

The following are not typically part of an ASTM E1527-13 Phase I ESA and were not included in the scope of services provided by TriMedia: asbestos and radon sampling, groundwater sampling and analysis, mold assessment, lead-based paint inspection and analysis, lead in drinking water analysis, wetland delineation, regulatory compliance (includes health and safety), indoor air quality analysis, and Endangered Species Act.

2.4 SIGNIFICANT ASSUMPTIONS

No significant assumptions were made in this Phase I ESA.

2.5 LIMITATIONS AND EXCEPTIONS

Other than the usual time and budgetary constraints established by the Technical and Cost Proposal approved by Mr. Rayyan for this Phase I ESA, and the usual circumstance that not all historical sources listed in the ASTM Standard were reasonably ascertainable, one significant limitation was encountered during the development of this Phase I ESA. The limitation was a physical constraint namely the presence of snow covering the subject property. The accumulated snow prevented the observation of potential staining, distressed vegetation, evidence of waste disposal, or other low-lying site features of significance. Observation of the ground surface by TriMedia was not possible during the site reconnaissance.

No warranty, either expressed or implied, can be made that conditions observed at the site are representative of all areas of the subject property. Data collected for this Phase I ESA were obtained for the purpose stated and should not be used for reasons other than those intended. The conditions reported herein apply only to those specific locations and times at which the work was completed. Conclusions made in this Phase I ESA are based on reasonably ascertainable information and data and represent the professional judgment and interpretations of TriMedia.



2.6 SPECIAL TERMS AND CONDITIONS

No special terms or conditions apply to this report.

2.7 USER RELIANCE

This Phase I ESA is prepared for the exclusive use and reliance of the State of Michigan and DTMB - D&C. Use or reliance by any other party is prohibited without the written authorization of the State of Michigan, DTMB - D&C, and TriMedia.

Environmental conditions and regulations are continually evolving and are subject to change and interpretation. Do not assume current conditions and/or regulatory positions will remain constant. Furthermore, because the data contained within this Phase I ESA are subject to professional interpretation, other professionals may reach differing conclusions.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.7. If the Phase I ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-13.

3.0 USER PROVIDED INFORMATION

Mr. Rayyan representing DTMB – D&C and Mr. David Arking of the DTMB – Real Estate Division provided the following information.

3.1 TITLE RECORDS

Chain of Title information was provided by Mr. Rayyan and is included in Appendix B. The provided title information indicates that portions of the subject property was warranted to the State of Michigan by the Ned Lake Timber & Land Company on August 30, 1989; and additional portions of the subject property were warranted by Alfred Angeli, a Michigan Corporation, and Richard Angeli to the State of Michigan on September 13, 1989. The provided title information does not document any environmental liens related to the subject property. A search of judicial records for environmental liens and activity and use limitations (AULs) were not provided by Mr. Rayyan. TriMedia assumes the client is evaluating this information outside the context of this report.



3.2 Environmental Liens or Activity and Use Limitations

The DTMB did not have knowledge of environmental liens or AULs encumbering the site or in connection with the site.

3.3 SPECIALIZED KNOWLEDGE OR EXPERIENCE

The DTMB indicated it has knowledge associated with the historic use of the subject property as a correctional facility.

3.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Mr. Arking and Mr. Rayyan provided survey drawings and subject property summary information including dates of construction and square footages for the various buildings included in the facility. Copies of the provided information are included in Appendix B.

3.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

A purchase price has not been established for the subject property at the time of this report's issuance.

3.6 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

The subject property is surplus State of Michigan owned property which is under Department of Corrections jurisdiction. The subject property is unoccupied.

3.7 Reasons for Performing Phase I ESA

This Phase I ESA was commissioned by DTMB – D&C in preparation for the sale of the subject property pursuant to Public Act 512 of 2016.

4.0 RECORDS REVIEW

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES

TriMedia conducted a review of regulatory agency files to determine if the subject property and/or adjacent properties are, or were, known sites of environmental contamination. Reasonably ascertainable environmental record sources were investigated and standard sources were reviewed by TriMedia. A summary report of the review, provided by Environmental Data Resources, Inc. (EDR) as the EDR Radius MapTM Report with GeoCheck® (EDR Radius Map Report), is included in Appendix D: Regulatory Documentation.



A number of environmental data sources were reviewed and documented sites were found within the ASTM E1527-13 search radius around the subject property. The following data sources were investigated:

Federal Databases

<u>Database</u>	<u>Database</u> <u>Description</u>		<u>Facilities</u>
NPL	The NPL is the USEPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.		0
NPL (Proposed)	Proposed National Priority List Sites	1.0	0
NPL (Delisted)	The NPL Delisted refers to facilities that have been removed from the NPL.	1.0	0
NPL LIENS	Federal Superfund Liens	Site	0
CERCLIS / NFRAP	The CERCLIS database is a compilation of facilities which the USEPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the CERCLA of 1980. NFRAP refers to facilities that have been removed and archived from its inventory of CERCLA sites.	0.5	0
RCRA CORRACTS/ TSD	1.0	0	
RCRA Non- CORRACTS/ TSD	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.	0.5	0
RCRA Generators	The RCRA Generators database, maintained by the USEPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as large, small, or conditionally exempt. LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.	0.25	0



<u>Database</u>	<u>Database</u> <u>Description</u>		
The RCRA-NonGen database, maintained by the USEPA, lists facilities that were previously listed in the RCRA-NonGen RCRA-NonGen RCRA Generators database but no longer generate hazardous waste as part of their normal business practices.		0.25	0
ERNS	The ERNS is a listing compiled by the USEPA on reported releases of petroleum and hazardous substances to the air, soil and/or water.	Site	0
HMIRS	Hazardous Materials Information Reporting System	Site	0
IC / EC	A listing of sites with engineering and/or institutional 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. 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.	0.5	0
DOD	Department of Defense Sites	1.0	0
FUDS	·		0
US BROWNFIELDS	A listing of Brownfield Sites	0.5	0
CONSENT	Superfund (CERCLA) Consent Decrees	1.0	0
ROD	Records of Decision	1.0	0
UMTRA	Uranium Mill Tailings Sites	0.5	0
ODI	Open Dump Inventory	0.5	0
TRIS	Toxic Chemical Release Inventory System	Site	0
TSCA	Toxic Substances Control Act	Site	0
FTTS	FIFRA/TSCA Tracking System	Site	0
SSTS	Section 7 Tracking Systems	Site	0
ICIS	Integrated Compliance Information System	Site	0
LUCIS	Land Use Control Information System	0.5 Site	0
	RADINFO Radiation Information Database		0
	CDL Clandestine Drug Labs		0
PAD PCB Activity Database System		Site	0
MLTS Material Licensing Tracking System MINES Macter Index File		Site	0
MINES Mines Master Index File		0.25	0
FINDS	Facility Index System/Facility Registry System	Site	0
WDS	Waste Data System tracks Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.	Site	1
RAATS	RCRA Administrative Action Tracking System	Site	0



State Databases

<u>Database</u>	<u>Description</u>		<u>Facilities</u>
State Hazardous Waste	Hazardous The MDEQ maintains a database of state equivalent CERCLIS facilities in the State of Michigan		0
SWF/LF	The MDEQ maintains a database of solid waste disposal facilities and landfills in the State of Michigan.	0.5	0
LUST	The MDEQ has compiled a database of Leaking Underground Storage Tank in the State of Michigan.	0.5	0
UST	UST The MDEQ has compiled a database of registered Underground Storage Tanks in the State of Michigan.		0
AST	AST The MDEQ has compiled a database of registered Aboveground Storage Tanks in the State of Michigan.		0
BEA	The MDEQ maintains a listing of properties in which a Baseline Environmental Assessment (BEA) has been conducted.		0
AUL	AUL Sites with institutional and/or engineering controls in place.		0
DRYCLEANERS The MDEQ maintains a list of drycleaning facilities in the State of Michigan.		0.25	0
LIENS	The MDEQ maintains a list of liens placed on a property due to an environmental condition.	Site	0
BROWNFIELDS	Brownfields Site Location Listing	0.5	0
AIRS	AIRS Air Permit and Emissions Inventory Data		1

Tribal Databases

<u>Database</u> <u>Description</u>		Radius (miles)	<u>Facilities</u>
INDIAN RESERVE Indian Reservations		1.0	0
INDIAN LUST Leaking Underground Storage Tanks on Indian		0.5	0
INDIAN UST	The MDEQ has compiled a database of registered Underground Storage Tanks on Indian land in the State of Michigan.	0.25	0

EDR Proprietary Records

Manufactured Gas Plants EDR Proprietary Manufactured Gas Plants		1.0	0
US Historical Auto Stations EDR Exclusive Historic Gas Stations		0.25	0
US Historical Cleaners	EDR Exclusive Historic Dry Cleaners	0.25	0



The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities. Facilities are listed in order of proximity to the subject property. Distances and directions of facilities may have been adjusted to field observed and/or mapped distances. TriMedia was able to confirm the approximate groundwater flow direction by referencing the online interactive map viewer created by the Michigan Groundwater Mapping Project (http://gwmap.rsgis.msu.edu/). The approximate groundwater flow in the vicinity of the prison grounds is in the north-northwest direction towards low lying wetlands areas and an intermittent creek. Additional discussion for selected facilities may follow the summary table.

Listed Facilities

Facility Name and Location	Estimated Distance/Direction/Gradient	Database Listings
MI Department of Corrections 216 Gendron Avenue	Subject Property	WDS, AIRS

Subject Property

The EDR Radius Map indicates the subject property operating as a Michigan Department of Corrections Facility is listed in the AIRS database with State Registration Number – N2291. The MDEQ website permit information does not include permit information related to an active permit for this registration number. The EDR Radius Map report also includes a Site Identification number for the subject property in the WDS database; no further information is provided.

The subject property's address is identified on a standard environmental record source; thus, pertinent regulatory files were requested from appropriate government agencies and are summarized in Section 4.2 of this report.

Other Sites

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. Determining the location of unmapped facilities is beyond the scope of this assessment; however, no unmapped facilities were listed in the EDR Radius Map Report included in Appendix D.

4.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

TriMedia submitted a Freedom of Information Act (FOIA) request to the FOIA Coordinator for MDEQ located in Lansing, Michigan for file information for the subject property. Correspondence from the Air Quality Division (AQD) indicates



that file information does exist for the subject property. The file information indicates that a Permit to Install Application for the operation of a 3,700,000 BTU wood fired boiler was received by the MDEQ on August 10, 1989. application, identified as No. 693-89, was evaluated and approved by the AQD on December 7, 1989. The application indicated that expected total suspended particulate (TSP) emissions were within allowable TSP emission limits; and that the wood fired boiler was considered an Insignificant Source at that time. The file information included an unannounced inspection report dated January 11, 2006. The report indicates that the wood fired boiler was in operation at the time of the inspections, and a complete wood processing operation was located on the prison grounds. The maintenance department reported that the boiler tubes are clean once a month, and very few problems have occurred with the unit. Opacity was well within the permitted limits during the inspection. No violations of Air Pollution Control Rules were observed during the inspection. The last inspection report is dated February 24, 2011. The inspector stated in his report that Camp Ottawa has been closed. The permit is still active and will not be voided until the boiler is removed from the facility. This facility will not need to be revisited unless it is reopened and the boiler utilized.

The regulatory files reviewed do not represent an REC to the subject property. TriMedia observed the boiler during site reconnaissance activities discussed in Section 5.2.

4.3 Physical Setting Sources

TriMedia used a United States Geological Survey (USGS) Topographic Map and EDR's GeoCheck® option to obtain information regarding the subject property's physical setting (i.e. soils, geology, hydrology, etc.). A discussion of the physical setting features is included in Section 5.2.4.

4.4 HISTORICAL USE INFORMATION ON THE PROPERTY

TriMedia reviewed standard historical sources, as identified in E1527-13, to identify potential RECs associated with historical use of the property. TriMedia subcontracted EDR to provide the following standard historical sources:

4.4.1 Historical Aerial Photographs

The EDR Aerial Photo Decade Package provided TriMedia with historical aerial photographs from 1943, 1952, 1954, 1964, 1975, 1983, 1992, 2006, 2010, and 2014. Selected photographs are summarized below.



Historical Aerial Photographs

Divertion	Pagarintian
Direction	Description
Subject Property	The subject property is undeveloped in the 1943 photograph except for Gendron Road which transects the northwest portion of the subject property and borders the eastern half of the northern property boundary. The subject property appears to remain undeveloped, partially wooded property in the 1952 through 1975 photographs; of note, a stream or creek is depicted in the northwest portion of the subject property – north of Gendron Road. Apparent dirt trails are depicted in the 1983 photograph. The subject property is developed with structures assumed to be associated with prison operations in the 1992 photograph; an apparent back access road is depicted in the southeast portion of the subject property. Additional structures are depicted in the western portion of the subject property in the 2006 photograph. The subject property is depicted in its current configuration in the 2010 and 2014 photographs.
North	Undeveloped, partially wooded property is shown north of the subject property in the 1943 through 1975 photographs. Clearings (apparent agricultural fields) with a structure is depicted to the northeast, north side of Gendron Road, in the 1983 photograph. Additional agricultural fields are depicted north of the subject property in the 1992 and 2006 photographs. The area north of the subject property appears to be in its general current configuration in the 2010 and 2014 photographs.
East	The area east of the subject property appears to be undeveloped, partially wooded property in the 1943 through 2014 photographs.
South	The area south of the eastern portion of the subject property appears to be undeveloped, partially wooded property in the 1943 through 2014 photographs. The adjoining property to the south of the western portion of the subject property with frontage along N. Angeli Road appears to be cleared for agricultural purposes in the 1943 through 2014 photographs.
West	The area west of the subject property appears to be undeveloped, partially wooded property in the 1943 through 2014 photographs.



4.4.2 Historical Topographic Photographs

The EDR Historical Topographic Map Report provided TriMedia with historical USGS topographic maps from 1898, 1945, 1946, 1975, 1999 and 2014. Note that the 2014 map only depicts topography, roads and streets, and landcover. Reviews of historical maps are summarized below.

Historical Topographic Maps

Direction	Description
Subject Property	The subject property appears undeveloped in the 1898 map with wetlands depicted in the eastern half of the subject property. The subject property appears to be vegetated in the 1945/46 maps and an intermittent stream is depicted in the northwest corner of the subject property; Gendron Road is depicted in proximity to the subject property's northern boundary. An unimproved road is shown accessing the central portions of the subject property (structures are not depicted).
North	The area north of the subject property is depicted as vegetated property in the 1898 through 2014 maps. Two small structures are depicted north of the eastern portion of the subject property in the 1999 map.
East	The area east of the subject property appears vegetated and undeveloped in the 1898 map with Iron Lake depicted approximately 3,600 feet to the east-southeast. The area east of the northern portion of the subject property appears cleared in the 1945 through 1999 maps.
South	The area south of the subject property appears vegetated and undeveloped in the 1898 maps. The area south of the western portion of the subject property appears to be cleared in the 1945 through 1999 maps.
West	The area west of the subject property appears to be vegetated to the north and wetlands further south in the 1898 map. The area west of the subject property remains undeveloped and vegetated in the 1945 through 1999 maps.

4.4.3 Historical City Directories

The EDR City Directory Abstract provided TriMedia with historical business directory (Cole Information Services) listings for the subject property's address or addresses in proximity to the subject property. Listings (if listed) were provided from 1992 to 2013 at approximate five year intervals. The following table highlights findings, please refer to Appendix E for a full listing of addresses.



Historical City Directories

Direction	Description			
Subject Property 216 Gendron Road: Camp Ottawa, Michigan Departre Corrections (2008); Michigan State of Corrections (2003); M State of (1999); Corrections Department (1995).				
North	267 Gendron Road: Residential Listings (1992, 1999-2013)			
East	No Listings			
South	No Listings			
West	No Listings			

4.4.4 Historical Fire Insurance Maps

Historical fire insurance maps (Sanborn Maps) were requested from EDR to evaluate past uses of the subject property and surrounding properties. Based on the request, EDR indicated Sanborn Maps were not available for the subject property and surrounding area.

4.5 HISTORICAL USE INFORMATION ON SUBJECT PROPERTY

Based on a review of regulatory and historical sources, the subject property appears to have been first developed as a correctional facility in 1990 and operated as such until 2009 when the facility was closed. Michigan State Industries (MSI) constructed several buildings west of the original correctional facility in 1995/1996 that were used in wood processing operations.

Please refer to Appendix E for copies of the aerial photographs, topographic maps, City Directories, and historical fire insurance maps.

4.6 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

Based on the previously described historical sources, adjoining property surrounding the subject property appears to have remained partially wooded and undeveloped property. Portions of adjoining property to the east and south appear to have been used for agricultural purposes since sometime prior to 1945, and portions of adjoining property to the north appears to have been developed for rural residential purposes sometime between 1975 and 1983.

4.7 RECORDS REVIEW SUMMARY

Based on a review of the historical information, the subject property was first developed as a correctional facility in 1990.



The regulatory review identified one WDS site and one AIRS site. Based upon review of the regulatory report and historical records, no RECs were identified in connection with the surrounding facilities and the subject property.

5.0 SITE RECONNAISSANCE

5.1 METHODOLOGY AND LIMITING CONDITIONS

TriMedia, represented by Ms. Maura Pliska, Staff Environmental Engineer, conducted a site reconnaissance of the subject property on March 5, 2018. Weather conditions at the time of site reconnaissance were overcast and the temperature was approximately 28 degrees Fahrenheit (°F).

The site reconnaissance included the following:

- Observation of the subject property, the subject property interior areas, and adjacent properties for indications of RECs;
- Visual and physical observation of the periphery of the subject property and structures made by walking the perimeter of the subject property, and crisscrossing the site to identify points of interest;
- Observation of, surrounding properties, and,
- Interviews with individuals, as available, familiar with the subject property's history and potential environmental liabilities.

5.2 GENERAL SITE SETTING

5.2.1 Current Uses of the Subject Property

The subject property is currently unoccupied. The facility closed in 2009. Mr. Bob Kleimola, Physical Plant Supervisor at the Ojibway Correctional Facility (parent facility to the former Camp Ottawa Correctional Facility) has supervised the maintenance and condition of the facility post-closure. Mr. Kleimola indicated that the facility was heated until 2017 at which time the heating system was shut down and all associated piping was drained. Of note, a portion of the subject property is utilized as a 30 foot wide easement to Wisconsin Electric Power Company.



5.2.2 Past Uses of the Subject Property

The subject parcel was utilized as a minimum security correctional facility from approximately 1990 until 2009 when the facility closed. The correctional facility included a wood fired boiler and a complete wood processing operation.

5.2.3 Current and Past Uses of Surrounding Properties

Based on the previously described historical sources, interviews and site reconnaissance, adjoining property surrounding the subject property appears to have remained partially wooded and undeveloped property until present day. Portions of adjoining property to the east and south appear to have been used for agricultural purposes since sometime prior to 1945 until present day, and portions of adjoining property to the north appears to have been developed for rural residential purposes sometime between 1975 and 1983 until present day.

5.2.4 Geologic, Hydrogeologic, and Topographic Conditions

The subject property is situated approximately 1,546 feet above mean sea level. The subject property appears to slope to the north-northwest towards low lying wetland areas. The topography surrounding the northern portions of the subject property is generally flat. The southern portion of the subject property appears to rise more than eighty feet in elevation. Iron Lake is located approximately 3,300 feet southeast of the subject property.

The geology of the area consists of Precambrian Era, Precambrian System, metasedimentary rock. The dominant soil type on the subject property is Padus soil characterized as fine sandy loam, well drained with moderate infiltration rates. Depth to water table is likely more than six feet.

5.2.5 General Description of Structures

The subject property includes nine buildings or other significant structures. A summary of the name, use/former use of the structures, general construction, date of construction, and approximate square footage are summarized as follows:

Name	Use/former use	Construction	Date of Construction	Approximate Square Footage
Administration/ Housing	Administration/ Housing/ Medical/Food Service	Concrete/steel	1990	39,000
Wood Storage	Storage	Concrete/wood frame (open structure)	1990	4,800



Name	Use/former use	Construction	Date of Construction	Approximate Square Footage
Maintenance	Services	Wood frame/wood	1990	1,800
		exterior		·
	Vehicle Parking	Concrete/wood		
Carport		frame (open	1990	4,000
		structure)		
Dimension Mill	MSI	Wood		
		frame/steel	1995	3,200
		exterior		
Saw Mill	MSI	Wood		
		frame/steel	1995	3,132
		exterior		
MSI Building	MSI Office/Carpenter Shop	Wood		
		frame/metal	1996	1,716
		siding		
DNR Storage Building	DNR Project Shop	Wood		
		frame/steel	1998	624
		exterior		
Outdoor Wood Boiler	MSI	Steel structure	1995	48

5.2.6 Roads and Utilities

Gendron Road is present along the north property boundary and provides access to the subject property. The subject property has visitor parking space in front of (north side) of the Administration/Housing Building. Parking and drive areas that consist of a combination of asphalt and concrete surfaces are located within gated and fenced in prison grounds.

The facility was closed in 2009 and interior heating was discontinued in 2017. All utilities have been disconnected except for electricity.

Water was provided to the subject property by two potable water wells. The facility was served by a sewer system located east of the MSI Building that is tied to the wastewater treatment plant that services Iron River Township. Electricity appears to have been provided to the subject property via overhead power lines that enter the property along the southeast property boundary and heads northwest to the facility. A backup power generator (fuel oil powered) is located in a boiler room in the Administration/Housing Building and four propane tanks are located north of the prison yard.



5.3 SITE OBSERVATIONS

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table. Photographs of select items observed at the subject property are included in Appendix C.

Site Features

Category Item or Feature		Observed
	Emergency generators	Х
	Elevators	
	Air compressors	
	Hydraulic lifts	
Site Operations,	Dry cleaning	
Processes, and	Photo processing	
Equipment	Laboratory hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	Х
	Other processes or equipment	
Aboveground	Aboveground storage tanks	Х
Chemical or Waste	Drums, barrels and/or containers ≥ 5 gallons	X
Storage	MSDS	
	Underground storage tanks or ancillary UST equipment	
Underground	Sumps, cisterns, catch basins and/or dry wells	
Chemical or Waste	Grease traps	
Storage, Drainage or	Septic tanks and/or leach fields	
Collection Systems	Oil/water separators	
	Pipeline markers	
	Interior floor drains	X
Electrical	Pad or pole mounted transformers and/or capacitors	
Transformers/ PCBs	ners/ PCBs Other equipment	
	Stressed vegetation	
	Stained soil	
-	Stained pavement or similar surface	
	Leachate and/or waste seeps	
Releases or Potential	Trash, debris and/or other waste materials	Х
Releases	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	



Category	Item or Feature	Observed
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wells	X

Site Operations, Processes, and Equipment

Emergency Generators

One emergency generator was observed at the subject property. A generator (fuel oil powered) is located in a mechanical room in the Administration/Housing Building.

Heating and/or cooling systems

A wood-fired heating system was observed in a boiler room in the Administration/Housing Building. Mr. Kleimola indicated the wood fired boiler system was used to heat the facility and provide hot water from 1990 until 2009 when the facility was closed. Mr. Kleimola explained that hot water that ran from the laundry room in the Administration/Housing Building was used to heat the Maintenance Building.

An LPG-fired heating system was observed in a mechanical room in the Administration/Housing Building. The LPG-fired system was the backup system to the wood-fired heating system and was used after facility closed in 2009 until 2017 when the heat was turned off.

Dismantled heating units were observed in the inmates' rooms.

An outdoor wood boiler was observed east of the Dimension Building that was used to heat MSI buildings.

Aboveground Chemical or Waste Storage

Aboveground Storage Tanks

An approximate 300-gallon fuel oil AST was observed next to the emergency generator. The tank reportedly served the backup generator in the Administration/Housing Building. The AST was empty and no staining was observed in the vicinity of the backup generator and AST.



<u>Drums</u>, <u>Barrels and/or Containers ≥ 5 Gallons</u>

Several drums were observed in the commons area of the Administration/Housing Building. Mr. Kleimola reported that the drums have been used to store water collected in dehumidifiers which have been employed during the facility's post-closure period to avoid conditions supportive of mold growth. The drums became necessary when plumbing was disconnected after the cessation of interior heating in 2017.

Underground Chemical or Waste Storage, Drainage or Collection Systems

Interior floor drains

Interior floor drains were observed in the Administration/Housing Building, and Maintenance Building. The floor drains are assumed to connect to the municipal wastewater treatment plant that serves Iron River Township.

Releases or Potential Releases

Trash, debris and/or other waste materials

An area of accumulated scrap metal was observed east of the Dimension Building.

Other Notable Site Features

Wells

Two potable wells reportedly serve the subject property. TriMedia did not observe the location of the well due to snow covered conditions. According to latitude and longitude information included in the EDR Radius Map Report, the wells appear to be located in the prison yard area — east of the Administration/Housing Building.

6.0 INTERVIEWS

6.1 INTERVIEW WITH OWNER

TriMedia did not interview the owner of the subject property.

6.2 Interview with Site Manager

TriMedia interviewed Mr. Bob Kleimola, Physical Plant Supervisor, first introduced in Section 5.2.1 of this report, on Monday, March 5, 2018. Mr. Kleimola reported that he had no knowledge of USTs having been present at the



subject property. Mr. Kleimola indicated that he was present for the removal of the saw mill machinery from the subject property and recalls that the equipment was electrical and not fuel powered. Of interest, Mr. Kleimola reported that the Saw Mill Building and MSI Building were broken into approximately two years ago; the intruders burrowed under the fence located west of the Saw Mill Building, a door was damaged in the Saw Mill Building and contents of the MSI Building were strewn about. Mr. Kleimola indicated that he was not aware of environmental issues associated with the subject property.

6.3 INTERVIEW WITH OCCUPANTS

TriMedia did not interview occupants of the subject property as the property is currently vacant.

6.4 Interviews with Local Government Officials

TriMedia contacted the Dickinson Iron District Health Department for information on the subject property and surrounding properties. The DIDHD reported via electronic mail that there is no file information on record for the subject property addresses.

6.5 Interviews with Others

TriMedia did not have the opportunity to interview others regarding the subject property.

7.0 FINDINGS

After a review of environmental records, site reconnaissance, review of historical data, and select interviews, TriMedia found no indication of RECs associated with the subject property.

8.0 OPINION

Based on reasonably ascertainable information compiled by TriMedia, as well as information and data provided by other select individuals and/or agencies during the completion of this Phase I ESA, it is our professional opinion the results of the Phase I ESA has not revealed evidence suggesting the presence of current environmental concerns regarding the subject property. Further quantitative environmental investigations (i.e. Limited Phase II ESA) are not recommended for the subject property.



9.0 CONCLUSIONS AND RECOMMENDATIONS

TriMedia has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 for property located at 216 Gendron Avenue, Iron River, Michigan. Any exceptions to, or deletions from, this practice are described in Section 10.0 of this report. This assessment has not revealed evidence of RECs in connection with the subject property. Based on the results of the Phase I ESA, TriMedia does not recommend further environmental investigation to assess the presence of impacts that may be present at the subject property.

10.0 DEVIATIONS

TriMedia has performed this Phase I ESA in conformance with the scope and limitation of ASTM Practice E1527-13. TriMedia relied on the information and data provided by other organizations specifically denoted herein. TriMedia used its education, experience and professional judgment to conduct this Phase I ESA.

One significant limiting condition was encountered during the performance of the Phase I ESA which was as follows:

The limitation was a physical constraint namely the presence of snow covering the subject property. The accumulated snow prevented the observation of potential staining, distressed vegetation, evidence of waste disposal, or other low-lying site features of significance. Observation of the ground surface by TriMedia was not possible during the site reconnaissance.

11.0 ADDITIONAL SERVICES

No additional services were included as part of this Phase I ESA.



12.0 REFERENCES

Name of Data Source	Date of Initial Inquiry	Date of Most Recently Provided Information	Supporting Documentation
Mr. Bob Kleimola Physical Plant Supervisor Ojibway Correctional Facility N 5705 Ojibway Road Marenisco, MI 49947 (906) 787-2217	March 5, 2018	March 5, 2018	Interview information as noted in this report
MDEQ FOIA Coordinator P.O. Box 30473 Lansing, MI 48909-7973 (800) 662-9278	February 21, 2018	March 1, 2018	FOIA Request information as noted in this report
MDEQ Upper Peninsula District Office 1504 West Washington Street Marquette, MI 49855 (906) 228-4853	February 21, 2018	February 26, 2018	FOIA Request information as noted in this report
Dickinson-Iron District Health Department FOIA Coordinator 818 Pyle Drive Kingsford, MI 49801 (906) 779-7231 ddevaert@hline.org	February 22, 2018	February 23, 2018	FOIA Request information as noted in this report
Environmental Data Resources Inc. 6 Armstrong Road, 4 th Floor Shelton, CT 06484 (800) 352-6802	February 19, 2018	February 22, 2018	Sanborn maps, topographic maps, environmental database records, aerial photographs

13.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

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

Waura Pliska

March 14, 2018

Date

Staff Environmental Engineer

Ryan Whaley, REHS, CHMM Senior Scientist March 14, 2018

Date

14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Maura A. Pliska

Staff Environmental Engineer

Summary of Professional Experience

Ms. Pliska brings years of varied environmental consulting and engineering expertise to TriMedia having worked within both industry and private consulting over the course of her career. She has proven ability to manage/execute multiple, complex projects on schedule and within budget and lends engineering design expertise on both environmental and civil engineering projects.

Ms. Pliska has a strong background in the environmental and regulatory compliance industry. She has completed permits, construction, operating and closure plans, and has assisted in drafting Spill Prevention Control and Countermeasure Plans and Stormwater Pollution Prevention Plans. She is skilled in the interpretation of federal and state related standards, rules and regulations.

Ms. Pliska joined the TriMedia team in 2010 and has gained experience in the field of environmental due diligence, including Phase I and Phase II Environmental Site Assessments (ESAs) of commercial and industrial properties; air permitting experience including the development of a Michigan Permit to Install Application; and environmental record keeping and reporting experience utilizing a database for an international transportation company.

In addition to her compliance and project management duties, Ms. Pliska performs a valuable role in environmental field activities and report writing, having worked on remedial treatment projects as well as underground storage tank systems, spill sites, and other contaminated areas.

Certifications

- Engineer in Training (E.I.T), National Council of Examiners for Engineering and Surveying
- OSHA 40-Hour Hazardous Waste Operation and Emergency Response
- Licensed Asbestos Contractor/Supervisor (MI)
- NIOSH Method 7400 Microscopy Certified
- Industrial Storm Water Certified Operator
- EPA Method 9 Visible Opacity Reading Certified

Education

> B.S. - General Engineering, University of Illinois, Champaign, Illinois



Ryan Whaley, CHMM, REHS

Senior Scientist

Summary of Professional Experience

Mr. Whaley lends his expertise on projects involving subsurface soil and water characterization, environmental site assessments, and regulatory compliance.

Mr. Whaley has over 17 years of experience in the environmental and regulatory compliance industry. Areas of expertise include: underground storage tank management, site characterization and investigation, remediation, environmental monitoring and permitting, waste management, brownfield redevelopment, environmental drilling and the investigation and cleanup of accidental spills.

Additionally, Mr. Whaley supports client communication through development of written reports and correspondence, dissemination and compilation of technical data, project planning and scheduling, and familiarity with environmental regulations.

Mr. Whaley completed his Bachelor of Science degree from Ball State University in Natural Resources and Environmental Management with an emphasis on Land Management.

Certifications

- ➤ CHMM Certified Hazardous Material Manager Institute of Hazardous Materials Managers (IHMM)
- REHS/RS Registered Environmental Health Specialist/Registered Sanitarian -National Environmental Health Association (NEHA)
- OSHA 40-Hour Hazardous Waste Operation and Emergency Response

Education

▶ B.S. – Natural Resources and Environmental Management, Ball State University, Muncie, Indiana

Professional Affiliations

- National Ground Water Association
- Certified Hazardous Materials Managers of Michigan
- Former Executive Board Member for the Michigan Environmental Health Association (MEHA)



Phase I Environmental Site Assessment APPENDICES

Appendix A Figures

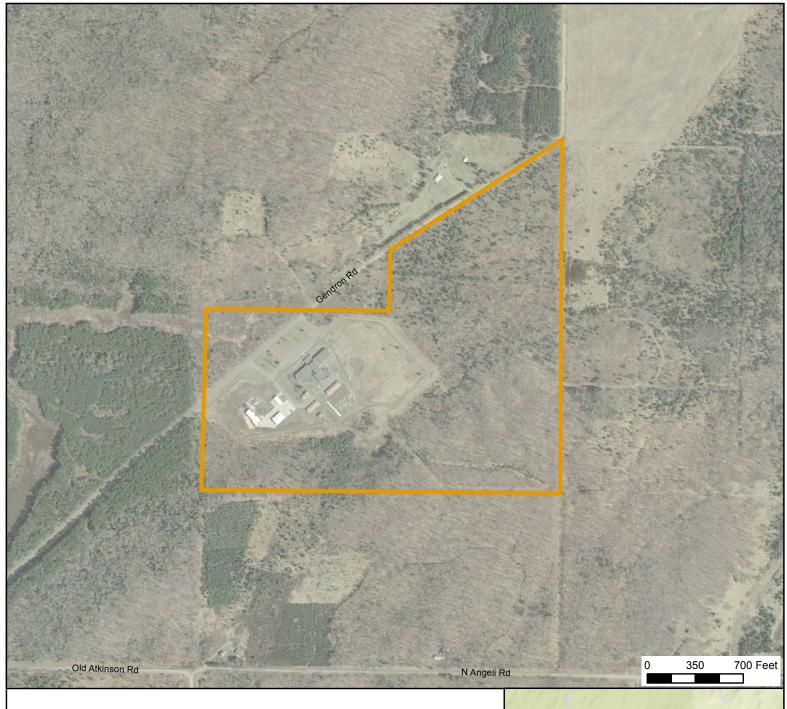
Appendix B General Property Information
Appendix C Photographic Documentation
Appendix D Regulatory Documentation
Appendix E Historical Documentation



Appendix A

Figures





Legend

Approximate Property Location





TRIMEDIA ENVIRONMENTAL & ENGINEERING

Camp Ottawa Correctional Facility
Phase I ESA
216 Gendron Rd.
Iron River, MI

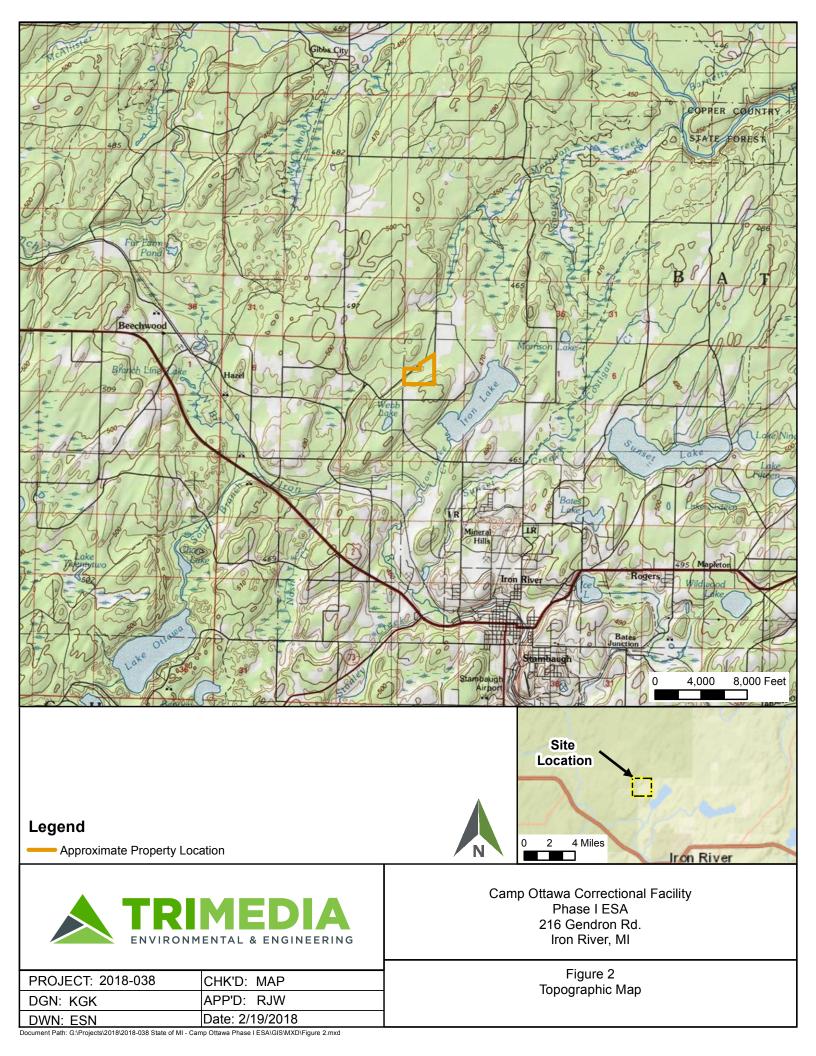
 PROJECT: 2018-038
 CHK'D: MAP

 DGN: KGK
 APP'D: RJW

 DWN: ESN
 Date: 2/19/2018

Figure 1 Site Location Aerial Image

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Appendix B

General Property Information





RICK SNYDER GOVERNOR

STATE OF MICHIGAN DEPARTMENT OF CORRECTIONS LANSING

DANIEL H. HEYNS DIRECTOR

June 29, 2012

Mr. John Nixon, Director Michigan Department of Technology, Management & Budget P.O. Box 30026 Lansing, MI 48909

Dear Director John Nixon,

This letter serves to inform you that it is the intent of the Michigan Department of Corrections to declare the property located at 216 Gendron Road, Iron River, Michigan, known as Camp Ottawa, as surplus to the Department's needs. The property is located in Iron County and was formerly operated as a prison camp. The camp was closed in 2009 as part of the department's budget for Fiscal Year 2010.

Iron River has expressed interest in acquiring the property. For further information regarding this property, including information on the physical plant issues, please contact Dave Flack, Physical Plant Manager for the Department of Corrections at (517) 373.4471.

Sincerely,

Daniel H. Heyns

Director

Enclosures

c: Tom Finco, Deputy Director, Correctional Facilities Administration
Randy Treacher, Deputy Director, Operations Support Administration
Michael Curley, Regional Prisoner Administrator, Northern Region
Linda Tribley, Warden, Ojibway Correctional Facility
Dave Flack, Manager, Physical Plant Division



WARRANTY DEED

IRON COUNTY, MICH.) RECEIVED FOR RECORD THE SEOTEMBER AD. 19 89 10:00 OCLOCK A M. AND RECORDED IN LIBER _313-314 AEGISTER OF DEEDS Kaurence

KNOW ALL MEN BY THESE PRESENTS: That NED LAKE TIMBER & LAND COMPANY, a Wisconsin general partnership, whose address is Box 245, Amasa, Michigan 49903, conveys and warrants to the State of Michigan, whose address is The State Capitol, Lansing, Michigan the following described property situated in the Township of Iron River, County of Iron, Michigan and described as: The NW 1/4 of the SW 1/4, section 3, T 43 N, R 35 W; for the full consideration of Six Thousand Six Hundred and No/100ths Dollars (\$6,600.00), subject to existing easements and encumbrances of record.

Dated this 30thday of August, 1989.

WITNESSES

Jack D. McCraw

STATE OF WISCONSIN

COUNTY OF FLORENCE

NED LAKE TIMBER & LAND COMPANY, a Wisconsin general partnership

Managing General Partner

Pases paid from 19.84_through 13.88_.Please obsek current taxes payable to local tressurer. Nata Lipliniu 25,1989 1/h..

Arthur Hibbard TRON COUNTY TREASURER

The foregoing instrument was acknowledged before me this 30th day of August, 1989, by Richard M. Connor, Jr., Managing General Partner, on behalf of Ned Lake Timber & Land Company, a Wisconsin general partnership.

Notary Public, Florence County,

My Commission Expires 12-15-91

Tax Certificate as required by Sec. 135, Act. No. 154, Public Acts of 1895 duly presented. Lawrence J. Tomasoski

LIBER 245 FALL 313 Register of Deeds

-1-

LIBER 245 FAUE 314

After Recording Return to:

Lois Hinkle Real Estate Division
Department of Management and Budget Mason Building, 1st Floor Lansing, MI 48909

This Instrument Drafted by:

Gary L. Hicks Assistant Attorney General Natural Resources Division 530 W. Allegan, Mason Bldg. 8th Floor Lansing, MI 48913

Legal Description Reviewed By:

PETE BEAVER
Department of Management and Budget

*Type or print names under signatures.

title/ned-wd

Form 561 6-75 Lawyers Title Insurance Corporation WARRANTY DEED-Statutory Form KNOW ALL MEN BY THESE PRESENTS: That RICHARD ANGELI, a single man, whose address is 518 Fourth Avenue, Iron River, MI 49935 Convey(s) and Warrant(s) to The State of Michigan Real Estate Division, Dept. of Management and Budget, Mason Bldg., whose address is Lansing, MI 48913 Township Iron River the following described premises situated in the County of Iron and State of Michigan, to-wit: All that part of the SE 1/4 of the NW 1/4, Section 3, T43N, R35W, that lies south of Gendron Road, a public highway crossing said SE 1/4 of the NW 1/4in a northeasterly - southwesterly direction. REGISTER'S OFFICE) IRON-COUNTY, MICH.) RECIPIVED FOR RECORD THE NOVEMBER AD. 19 89 10:00 OCLOCK A M. AND RECORDED IN LIBER Pent of Royzeres 10mases O Jamas Lourence Taxation for the full consideration of Four Thousand Six Hundred and no/100ths dollars (\$4,600.00) existing easement of record Dated this * meptember 19 89 13thWitnesses: Signed and Sealed: Richard Angeli (L.S.) Tax Certificate as required by Sec. 135, Act. No. 154, Public (L.S.) Acts of 1895 duly presented. STATE OF MICHIGAN Lawrence J. Tomasoski COUNTY OF __ IRON Register of Deeds (L.S.) The foregoing instrument was acknowledged before me this; 13th day of September 1989 Richard Angeli 10-28-91 My commission expires Kristine Enlinger Notary Public Business 530 W. Allegan, 8th Floor, Mason Bldg., Instrument Gary L. Hicks, Asst. Atty. General Lansing, MI 48913
City Treesurer's Certificate Taxos pai colinguriellure Certifichter (1) 19 87 Please oheck ourrent tames payable to local treasurer. 11-28-89 gh

When recorded return to <u>Lois Hinkle</u>
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530 W. Allegan, Mason Bldg., Lansing, MI 48913
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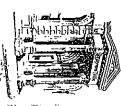
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Fax Parcel #

Recording Fee_______
State Transfer Tax_

Arthur Hibbard LEON COUNTY TREASURER

3 246 12 493



Insurance (orporation

3270 W. Big Beaver Road, Troy, Mich. 48084 Area Code 313 MICHIGAN STATE OFFICE Telephone 649-3322

Title protection throughout Michigan, the United States, Puerto Rico, the Virgin Islands and Canada

tion paid. The tax is upon the grantor, and is located. to be paid in the county where the land is of 55 cents for each \$500.00 of the consideraas amended. The tax is computed at the rate tax imposed by Act 134, Public Acts of 1966, interest therein, are generally subject to the Deeds of Michigan real estate, or any

deeds without payment of this tax, if appli-A deed may not be recorded by the register of the total consideration, an affidavit giving this refer to the statutory subsection under which davit can be obtained from registers of deeds. exemption is claimed. If a deed does not state information must be furnished. Forms of affi-If a deed is not subject to tax, it must

where that parcel is situated. or more counties, the tax applicable to each parcel conveyed must be paid in the county When a deed conveys lands located in two

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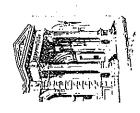
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WARRANTY DEED CORPORATION

STATUTORY FORM



Insurance Corporation Lawyers Title

3270 W. Big Beaver Road, Troy, Mich. 48084 Area-Code 313 MICHIGAN STATE OFFICE Telephone 649-3322

Title protection throughout Michigan, the United States, Puerto Rico, the Virgin Islands and Canada

interest therein, are generally subject to the tax imposed by Act 134, Public Acts of 1966, tion paid. The tax is upon the granter, and is to be paid in the county where the land is as amended. The tax is computed at the rate Deeds of Michigan real estate, or any of 55 cents for each \$500.00 of the consideralocated.

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or more counties, the tax applicable to each parcel conveyed must be paid in the county When a deed conveys lands located in two where that parcel is situated.

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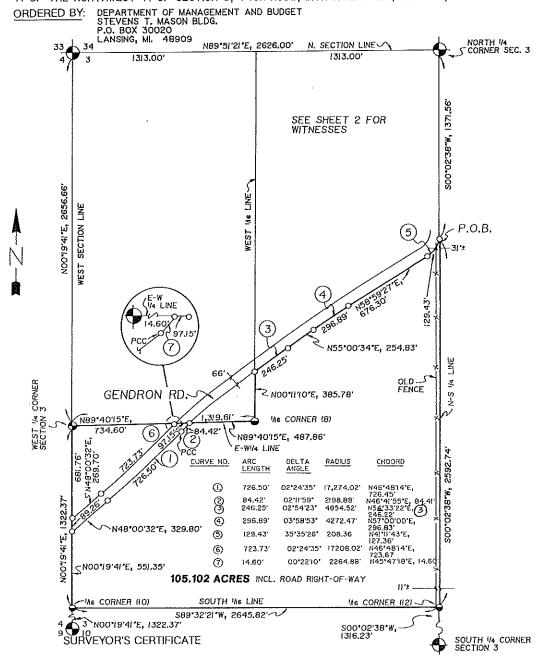
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RTIFICATE OF SURVEY

THE NORTH 1/2 OF THE SOUTHWEST 1/4 AND PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 3, T43N-R35W, IRON RIVER TWP., IRON CO., MICHIGAN.

ORDERED BY:



I hereby certify that I have surveyed and mapped the land above platted and/or described on JULY 17, 1990 and that the ratio of closure on the unadjusted field observations was _ in <u>23490.48'</u>, and that all the requirements of P.A. 132 of 1970 as amended have been 0.43 complied with.

Sundberg, Carlson and Associates, Inc.

BY: Gusta W. Carlson _ DATE: <u>7-17-9</u>0 GERALD W. CARLSON, LS. #24589

LEGEND - Found from - Set 5/8 X 18" fron W/RLS Cap - Found Concrete Monument - Set Concrete Monument - Other as Noted R - RECORDED M - MEASURED	DRAWN BY: SMH	JOB NO. 88-154		
	SCALE: /"=500"	SHEET 1.OF 2		
	DATE 4-4-90	REVISIONS.		

Sundberg, Carlson And Associates, Inc.
Architects Engineers Land Surveyors Construction Managers
P.O. Box 2212
P.O. Box 2212

Kingsford MI 49801 906/774-4800

U.P WATS 800-441-0669

P.O. Box 100 914 West Baraga Avenue Marquette MI 49855 906/228-2333



Ordered By:
Department of Management and Budget
Stevens T. Mason Building
P.O. Box 30020
Lansing, Michigan 48909

Sheet <u>2</u> of <u>2</u> Job No. 8812-154 April 4, 1990

PARCEL DESCRIPTION

A parcel of land being the North 1/2 of the Southwest 1/4 and part of the Southeast 1/4 of the Northwest 1/4 of Section 3, T43N-R35W, Iron River Township, Iron County, Michigan described as:

Commencing at the North 1/4 corner of Section 3; thence \$\frac{500^{\circ}02'38^{\text{"W}}, 1371.56'}{200^{\circ}02'38^{\text{"W}}, 1371.56'}\$ along the North-South 1/4 line of Section 3 to the Point of Beginning; thence continuing \$\frac{500^{\circ}02'38^{\text{"W}}}{2592.74'}\$ along the North-South 1/4 line to the South 1/16 line of Section 3; thence \$\frac{589^{\circ}32'21^{\text{"W}}}{2645.82'}\$ along the South 1/16 line to the West line of Section 3; thence \$\frac{N00^{\circ}19'41^{\text{"E}}}{1312.37'}\$ along the West section line to the East-West 1/4 line of Section 3; thence \$\frac{N89^{\circ}40'15^{\text{"E}}}{1319.61'}\$ along the East-West 1/4 line to the West 1/16 line of Section 3; thence \$\frac{N00^{\circ}11'10^{\text{"E}}}{100^{\circ}11'10^{\text{"E}}}\$, \$\frac{385.78'}{385.78'}\$ along the West 1/16 line to a curve on the South Right-of-Way line of Gendron Road; thence \$\frac{246.25'}{246.25'}\$ along the Southerly Road Right-of-Way on a curve to the right having a Radius of \$\frac{4854.52'}{4854.52'}\$ and a Chord bearing \$\frac{N54^{\circ}33'22^{\text{"E}}}{246.22'}\$; thence \$\frac{N55^{\circ}00'34^{\text{"E}}}{254.83'}\$ along the Southerly Road Right-of-Way on a curve to the right having a Radius of \$\frac{4272.47'}{427.47'}\$ and a Chord bearing \$\frac{N57^{\circ}00'00^{\text{"E}}}{296.83'}\$; thence \$\frac{N58^{\circ}59'27^{\text{"E}}}{276.30'}\$ along the Southerly Road Right-of-Way line to a curve; thence \$\frac{129.43'}{296.83'}\$; thence \$\frac{N58^{\circ}59'27^{\text{"E}}}{276.676.30'}\$ along the Southerly Road Right-of-Way line on a curve to the left having a Radius of \$\frac{208.36'}{208.36'}\$ and a Chord bearing \$\frac{N41^{\circ}11'43^{\text{"E}}}{2127.36'}\$ to the Point of Beginning containing \$\frac{105.102}{208.36'}\$ acres and subject to restrictions, reservations, rights-of-way and easements of record.

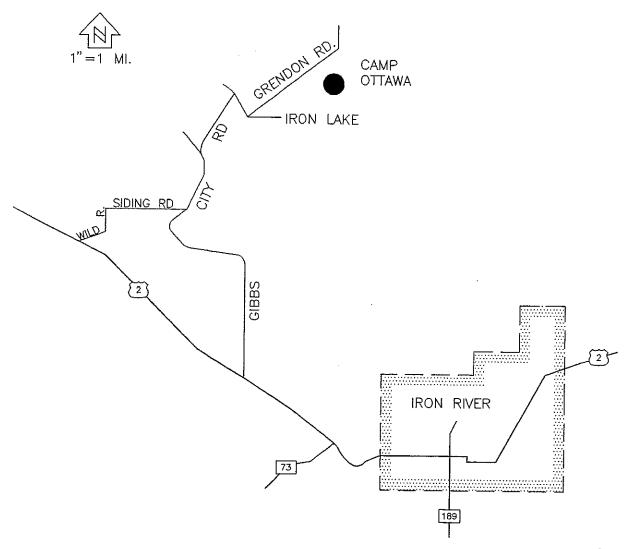
Sundberg, Carlson and Associates, Inc. P.O. Box 100 914 West Baraga Avenue Marquette, Michigan 49855 (906) 228-2333





CAMP OTTAWA CORRECTIONAL FACILITY

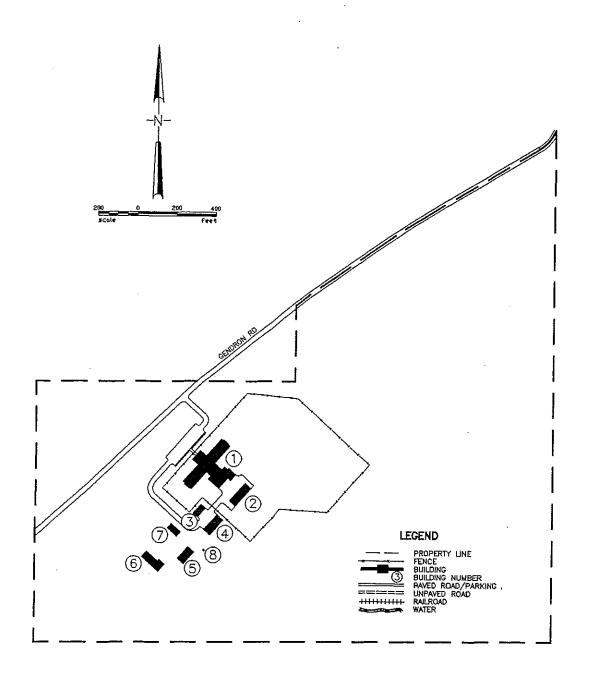
IRON COUNTY, MICHIGAN



CORRECTIONS

CAMP OTTAWA CORRECTIONAL FACILITY

IRON COUNTY, MICHIGAN





STATE of MICHIGAN
DEPARTMENT of MANAGEMENT and BUDGET
OFFICE OF FACILITIES
LANSING, MICHIGAN 48909

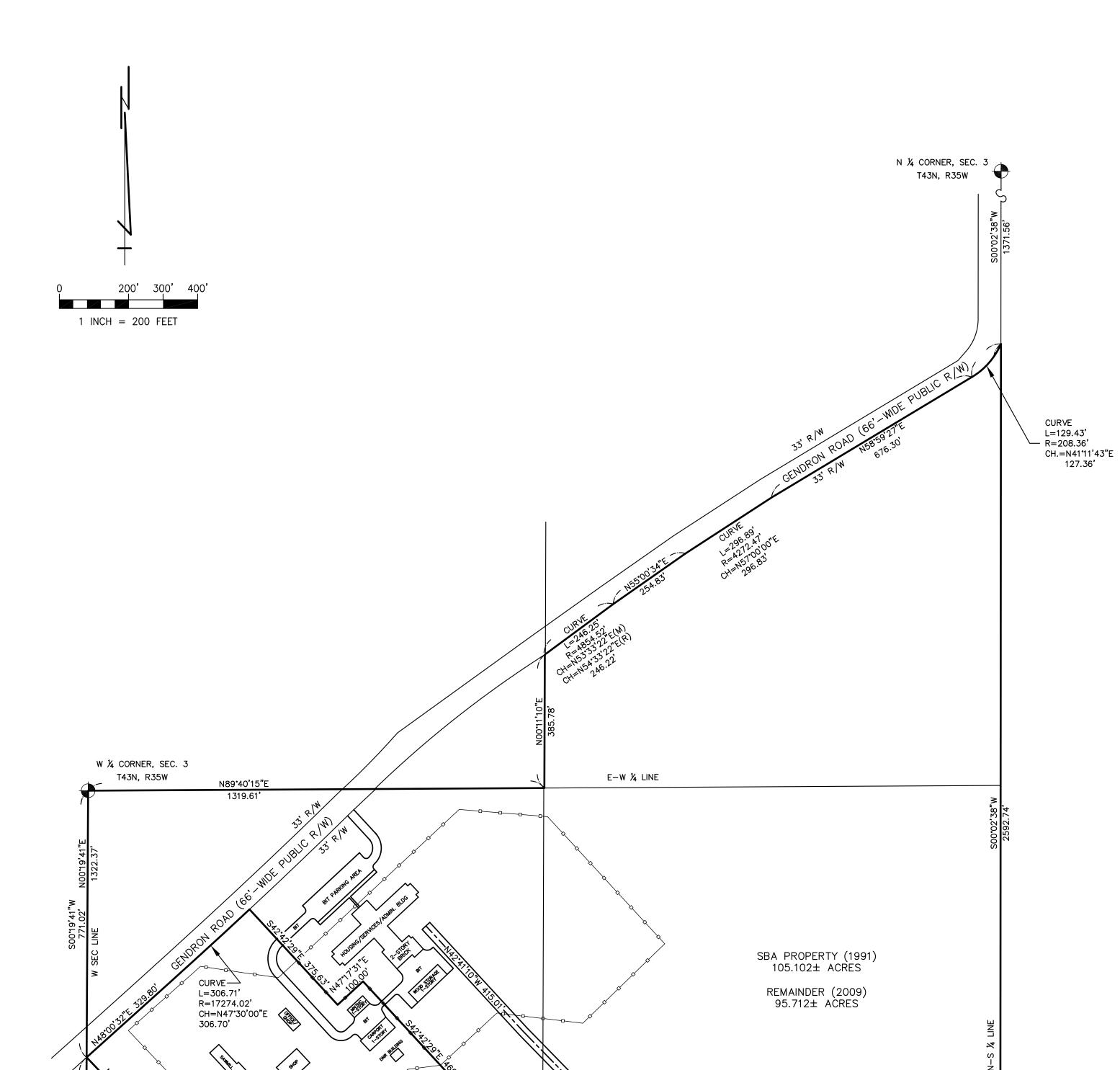
CAMP OTTAWA CORRECTIONAL FACILITY

Iron County, Michigan

Number	Name	Function	Year Constructed or improved	Gross Area (Sq. Ft.)	Gross Volume (Cu. Ft.)	Barrier Free
1	Admin/Housing	Admim/Housing	g 1990	39,000	351,000	
2	Wood Storage	Storage	1990	4,800	38,400	
3	Maintenance	Services	1990	1,800	16,200	
4	Carport	Vehicle Parking	g 1990	4,000	40,000	
5	Dimension Mill	MSI	1995	3,200	44,800	
6	Saw Mill	MSI	1995	3,132	37,584	
7	Office/Carpenter Shop	MSI	1996	1,716	18,876 ⁻	
8	Wood Boiler	MSI	1995	<u>48</u> 57,696	<u>336</u> 547 , 196	

April 1996

STATE OF DEPARTIN



CARVE-OUT

FOR SAWMILL

9.39± ACRES

S 1/6TH LINE

S89°32'21"W

2645.82

re CAMP OTTAWA

1. LAND DESCRIPTION (Original 1991)

A parcel of land being the North 1/2 of the Southwest 1/4 and part of the Southeast 1/4 of the Northwest 1/4 of Section 3, T43N-R35W, Iron River Township, Iron County, Michigan described as:

Commencing at the North 1/4 corner of Section 3; thence S00°02'38"W, 1,371.56 feet along the North-South 1/4 line of Section 3 to the Point of Beginning; thence continuing S00°02'38"W. 2,592.74 feet along the North-South 1/4 line to the South 1/16 line of Section 3; thence S89°32'21"W, 2,645.82 feet along the South 1/16 line to the West line of Section 3; thence N00°19'41"E, 1,322.37 feet along the West section line to the East-West 1/4 line of Section 3; thence N89°40'15"E, 1,319.61 feet along the East-West 1/4 line to the West 1/16 line of Section 3 thence N00°11'10"E, 385.78 feet along the West 1/16 line to a curve on the South Right-of-Way line of Gendron Road; thence 246.25 feet along the Southerly Road Right-of-Way on a curve to the right having a Radius of 4,854.52 feet and a Chord bearing N53°33'22"E (previously recorded as N54°33'22"E), 246.22 feet; thence N55°00'34"E, 254.83 feet along the Southerly Road Right-of-Way to a curve; thence 296.89 feet along the Southerly Road Right-of-Way on a curve to the right having a Radius of 4,272.47 feet and a Chord bearing N57°00'00"E, 296.83 feet; thence N58°59'27"E, 676.30 feet along the Southerly Road Right-of-Way line to a curve; thence 129.43 feet along the Southerly Road Right-of-Way line on a curve to the left having a Radius of 208.36 feet and a Chord bearing N41°11'43"E, 127.36 feet to the Point of Beginning containing 105.102 acres and subject to restrictions, reservations, rights—of—way and easements of record.

2. LAND DESCRIPTION (Cutout 2009)

A parcel of land being the North 1/2 of the Southwest 1/4 of Section 3, T43N-R35W, Iron River Township, Iron County, Michigan described as:

Commencing at the West 1/4 corner of Section 3; thence S00°19'41"W, 771.02 feet along the West Section line of Section 3 to the South Right—of—Way of Gendron Road and the Point of Beginning; thence N48°00'32"E along the South Right—of—Way, 329.80 feet to a curve; thence 306.71 feet along the South Right—of—Way along a curve to the left having a radius of 17,274.02 feet and a Chord bearing N47°30'00"E, 306.70 feet; thence S42°42'29"E, 375.63 feet; thence N47°17'31"E, 100.00 feet; thence S42°42'29"E, 460.84 feet; thence S79°20'25"W, 861.93 feet; thence N43°35'16"W, 384.38 feet to the Point of Beginning containing 9.39 acres, more or less, and subject to restrictions, reservations, rights—of—way and easements of record.

3. LAND DESCRIPTION (Remainder 2009)

A parcel of land being the North 1/2 of the Southwest 1/4 and part of the Southeast 1/4 of the Northwest 1/4 of Section 3, T43N-R35W, Iron River Township, Iron County, Michigan described as:

Commencing at the North 1/4 corner of Section 3; thence S00°02'38"W, 1,371.56 feet along the North-South 1/4 line of Section 3 to the Point of Beginning; thence continuing S00°02'38"W. 2,592.74 feet along the North-South 1/4 line to the South 1/16 line of Section 3; thence S89°32'21"W, 2,645.82 feet along the South 1/16 line to the West line of Section 3; thence N00°19'41"E. 551.35 feet along the West section to the South Right-of-Way of Gendron Road; thence N48°00'32"E along the South Right-of-Way, 329.80 feet to a curve; thence 306.71 feet along the South Right-of-Way along a curve to the left having a radius of 17,274.02 feet and a Chord bearing N47°30'00"E, 306.70 feet; thence S42°42'29"E, 375.63 feet; thence N47°17'31"E, 100.00 feet; thence S42°42'29"E, 460.84 feet; thence S79°20'25"W, 861.93 feet; thence N43°35'16"W, 384.38 feet; thence N00°19'41"E, 771.02 feet along the West section to the East-West 1/4 line of Section 3; thence N89°40'15"E, 1,319.61 feet along the East-West 1/4 line to the West 1/16 line of Section 3 thence N00°11'10"E, 385.78 feet along the West 1/16 line to a curve on the South Right-of-Way line of Gendron Road; thence 246.25 feet along the Southerly Road Right—of—Way on a curve to the right having a Radius of 4,854.52 feet and a Chord bearing N53°33'22"E (previously recorded as N54°33'22"E), 246.22 feet; thence N55°00'34"E, 254.83 feet along the Southerly Road Right-of-Way to a curve; thence 296.89 feet along the Southerly Road Right-of-Way on a curve to the right having a Radius of 4,272.47 feet and a Chord bearing N57°00'00"E, 296.83 feet; thence N58°59'27"E, 676.30 feet along the Southerly Road Right-of-Way line to a curve; thence 129.43 feet along the Southerly Road Right—of—Way line on a curve to the left having a Radius of 208.36 feet and a Chord bearing N41°11'43"E, 127.36 feet to the Point of Beginning containing 95.712 acres, more or less, and subject to restrictions, reservations, rights-of-way and easements of record.

4. Easement No. 1

30'-WIDE
WISCONSIN ELECTRIC POWER EASEMENT

______S89'32'21"W 806.84'———————

<u>Liber 251, Pages 447 - 450</u> <u>STATE OF MICHIGAN TO WISCONSIN ELECTRIC POWER COMPANY</u>

Easement Description: An easement strip 30 feet in width being a part of premises in the NE 1/4 of the SW 1/4 and the NW 1/4 of the SW 1/4, Section 3, T43N, R35W, Iron River Township, Iron County, Michigan, the centerline of which being more particularly described as follows; beginning at a point on the NS 1/4 line which is 25 feet N of the S 1/16 line of said Section 3; thence West and parallel to the S 1/16 line of Section 3 for a distance of 806.84 feet, thence N44°19'50"W for a distance of 819.88 feet, thence N42°41'10"W for a distance 415.01 feet to the point of ending.

Appendix C

Photographic Documentation



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 01 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southeast

Description: View of front of the subject property, the Administration/Housing

Building is in view.



Photo Number: 02 Taken By: MAP

Date Taken: 03-05-2018

Facing: Northwest

Description: View of portion of subject property located on the northwest side of Gendron Road (across the street from the Camp Ottawa Correctional Facility).



Photo Number: 03 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southwest

Description: View along northern property boundary, Gendron Road is in

view.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 04 Taken By: MAP

Date Taken: 03-05-2018

Facing: Northeast

Description: View along northern property

boundary, Gendron Road is in view.



Photo Number: 05 Taken By: MAP

Date Taken: 03-05-2018 Facing: North-northwest

Description: View of residential property located at 267 Gendron Road. This site is located on the northwest side of Gendron Road and is considered adjoining property to the subject property.



Photo Number: 06 Taken By: MAP

Date Taken: 03-05-2018

Facing: East

Description: View of presumed owner of adjoining property to the east – Motts Materials Inc. – a sand mining company.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 07 Taken By: MAP

Date Taken: 03-05-2018

Facing: South

Description: View along eastern property

boundary.



Photo Number: 08 Taken By: MAP

Date Taken: 03-05-2018

Facing: South

Description: View of western portion of subject property from Gendron Road – Michigan State Industries (MSI) buildings are in view (MSI Building to the left, Dimension Building in the center, and

Saw Mill to the right).



Photo Number: 09 Taken By: MAP

Date Taken: 03-05-2018

Facing: South

Description: View along western property

boundary.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 10 Taken By: MAP

Date Taken: 03-05-2018 Facing: West-southwest

Description: View of adjoining property to

the west.



Photo Number: 11 Taken By: MAP

Date Taken: 03-05-2018

Facing: East

Description: View of propane tanks located north of the fenced prison yard.



Photo Number: 12 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southeast

Description: View of reception desk and

office area located in the

Administration/Housing Building.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 13 Taken By: MAP

Date Taken: 03-05-2018

Facing: Northwest

Description: View of visitors' room located in the Administration/Housing

Building.

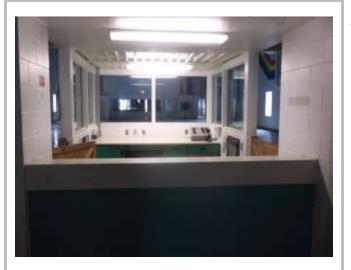


Photo Number: 14 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southeast

Description: View of prison guard station located in the Administration/Housing

Building.



Photo Number: 15 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southeast

Description: View of commons area – was used as indoor gymnasium space

and cafeteria seating.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 16 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southwest

Description: View of inmate housing hallway (typical in each of four wings first and second floors in the east and west side of the Administration/Housing

Building).



Photo Number: 17 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southeast

Description: View of typical inmate room which included two bunks.



Photo Number: 18 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southeast

Description: View of typical heating unit in inmates' room. Units were dismantled for draining when heat was turned off in

2017.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 19 Taken By: MAP

Date Taken: 03-05-2018

Facing: Northwest

Description: View of mop sink located in janitor's room (typical of each inmate

wing).

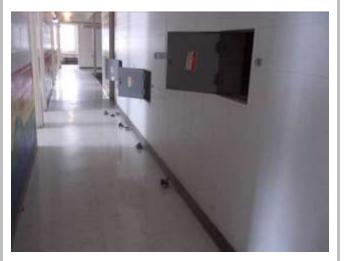


Photo Number: 20 Taken By: MAP

Date Taken: 03-05-2018

Facing: Northeast

Description: View of access to plumbing in the first floor – east wing of the inmates housing. All pipes have been drained

after heat turned off in 2017.



Photo Number: 21 Taken By: MAP

Date Taken: 03-05-2018

Facing: Northeast

Description: View of inmates' bathroom

facilities (typical for each wing).



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 22 Taken By: MAP

Date Taken: 03-05-2018

Facing: Northeast

Description: View of inmates' shower

facilities (typical of each wing).



Photo Number: 23 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southwest

Description: View of dehumidifiers and fans located in the Resident Unit Manager's office that were utilized by staff after closure of facility to maintain a

dry environment.



Photo Number: 24 Taken By: MAP

Date Taken: 03-05-2018

Facing: Northeast

Description: View of backup generator

located in facility's boiler room.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 25 Taken By: MAP

Date Taken: 03-05-2018

Facing: East

Description: View of fuel oil AST (empty) which was formerly used as fuel source

for backup generator.



Photo Number: 26 Taken By: MAP

Date Taken: 03-05-2018 Facing: North-northwest

Description: View of LPG fueled boiler system. This heating system was utilized by facility after closure in 2009 until heat

was turned off in 2017.



Photo Number: 27 Taken By: MAP

Date Taken: 03-05-2018 Facing: North-northwest

Description: View of facility's power distribution panels and circuit breaker

panels.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 28 Taken By: MAP

Date Taken: 03-05-2018 Facing: West-southwest

Description: View of wood boiler located

in southeast portion of

Administration/Housing Building. Inmates

formerly operated boiler under supervision and sensor controls.



Photo Number: 29 Taken By: MAP

Date Taken: 03-05-2018 Facing: Not Applicable

Description: View of floor drain located in

wood boiler room.



Photo Number: 30 Taken By: MAP

Date Taken: 03-05-2018 Facing: South-southeast

Description: View of Wood Storage

Building.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 31 Taken By: MAP

Date Taken: 03-05-2018 Facing: North-northeast

Description: View of south side of Administration/Housing Building. Exterior of the boiler room (right) and kitchen

cooler (left) are in view.



Photo Number: 32 Taken By: MAP

Date Taken: 03-05-2018

Facing: North

Description: View of south side of Administration/Housing Building. West wing of inmate housing is in view.



Photo Number: 33 Taken By: MAP

Date Taken: 03-05-2018 Facing: West-northwest

Description: View of kitchen facilities.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 34 Taken By: MAP

Date Taken: 03-05-2018 Facing: East-northeast

Description: View of medical exam room.



Photo Number: 35 Taken By: MAP

Date Taken: 03-05-2018 Facing: South-southeast

Description: View of laundry facilities which formerly housed two commercial washers and two commercial driers.



Photo Number: 36 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southeast

Description: View of dissembled plumbing in caustic room (laundry storage) – hot water from this source was formerly used

to heat Maintenance Building.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 37 Taken By: MAP

Date Taken: 03-05-2018 Facing: West-northwest

Description: View of storage area for inmate highway cleanup crew equipment.



Photo Number: 38 Taken By: MAP

Date Taken: 03-05-2018 Facing: West-northwest

Description: View of dry storage/pantry

space.



Photo Number: 39 Taken By: MAP

Date Taken: 03-05-2018

Facing: Northwest

Description: View of GAD equipment – part of former waste compactor unit.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 40 Taken By: MAP

Date Taken: 03-05-2018 Facing: North-northwest

Description: View of Maintenance

Building.



Photo Number: 41 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southeast

Description: View of interior of training room located in west side of Maintenance Building – overhead garage door and

floor drain in view.



Photo Number: 42 Taken By: MAP

Date Taken: 03-05-2018 Facing: South-southwest

Description: View of maintenance shop interior – tool crib and floor drain are in

view.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan

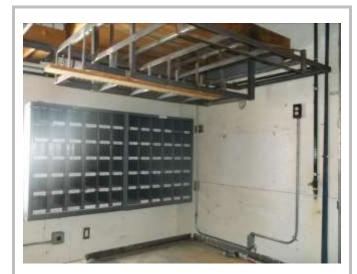


Photo Number: 43 Taken By: MAP

Date Taken: 03-05-2018 Facing: East-southeast

Description: View of parts storage and loft storage area located in eastern portion of

Maintenance Building.



Photo Number: 44 Taken By: MAP

Date Taken: 03-05-2018 Facing: East-southeast

Description: View of car port – slab on grade construction, no floor drains were

observed.



Photo Number: 45 Taken By: MAP

Date Taken: 03-05-2018 Facing: North-northwest

Description: View of Michigan State Industries (MSI) Building exterior.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 46 Taken By: MAP

Date Taken: 03-05-2018 Facing: West-southwest

Description: View of east side of Saw Mill Building. The snow covered area east of the building used to be a lumber yard when the facility was operational from approximately 1995 through 2009.



Photo Number: 47 Taken By: MAP

Date Taken: 03-05-2018 Facing: East-northeast

Description: View of west side of MSI

Building.



Photo Number: 48 Taken By: MAP

Date Taken: 03-05-2018

Facing: East

Description: View of MSI Building's office space. The building was broken into in approximately 2015-2016 – building

contents were strewn about.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 49 Taken By: MAP

Date Taken: 03-05-2018 Facing: East-northeast

Description: View of tool crib in MSI

Building.



Photo Number: 50 Taken By: MAP

Date Taken: 03-05-2018 Facing: South-southwest

Description: View of de minimis stain in location of former lathe housed in the MSI

Building.



Photo Number: 51 Taken By: MAP

Date Taken: 03-05-2018 Facing: East-northeast

Description: View of garage space in MSI

Building.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 52 Taken By: MAP

Date Taken: 03-05-2018

Facing: West

Description: View of southeast portion of

sawmill.



Photo Number: 53 Taken By: MAP

Date Taken: 03-05-2018 Facing: North-northwest

Description: View of interior portion (south end) of Saw Mill – former loading

area is in view.



Photo Number: 54 Taken By: MAP

Date Taken: 03-05-2018 Facing: North-northeast

Description: View of pit containing saw dust and wood remnants associated with

saw mill's historical operations.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 55 Taken By: MAP

Date Taken: 03-05-2018 Facing: West-northwest

Description: View of footings remaining

after removal of former saw mill

machinery located in the northern portion

of the building.



Photo Number: 56 Taken By: MAP

Date Taken: 03-05-2018 Facing: East-southeast

Description: View of exhaust system components located on the north side of the Dimension Building. This space was used by inmates to construct pallets and

other wood related projects.



Photo Number: 57 Taken By: MAP

Date Taken: 03-05-2018

Facing: Southwest

Description: View of south side of the

Dimension Building.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 58 Taken By: MAP

Date Taken: 03-05-2018 Facing: North-northwest

Description: View of remnants of Dimension Building projects located in the northern portion of the building.



Photo Number: 59 Taken By: MAP

Date Taken: 03-05-2018 Facing: South-southeast

Description: View of Dimension Building's compressed air system components.



Photo Number: 60 Taken By: MAP

Date Taken: 03-05-2018 Facing: East-northeast

Description: View from Dimension Building – west sides of Maintenance Building, Wood Storage Building, Carport, and DNR Storage Building are depicted from left to right. A metal scrap pile is located in the foreground of the picture.



Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 61 Taken By: MAP

Date Taken: 03-05-2018 Facing: South-southeast

Description: View of outdoor wood boiler located east of the Dimension Building. The outdoor boiler served the MSI Building and Dimension Building when

the facility was operational.



Photo Number: 62 Taken By: MAP

Date Taken: 03-05-2018

Facing: Northwest

Description: View of location of sewage system tanks located east of the MSI Building. The sewage system served the entire facility. A bar screen was utilized to prevent large objects from passing through system. The sewage system is connected to the municipal treatment plant that serves Iron River Township.



Photo Number: 63 Taken By: MAP

Date Taken: 03-05-2018 Facing: East-southeast

Description: View of DNR Storage Building. This structure was built by the DNR in 2003, and the space was used to

construct concrete boat ramps.



Phase I Environmental Site Assessment

Camp Ottawa Correctional Facility, 216 Gendron Road, Iron River, Michigan



Photo Number: 64 Taken By: MAP

Date Taken: 03-05-2018 Facing: East-northeast

Description: View of the interior of the

DNR Storage Building.



Photo Number: 65 Taken By: MAP

Date Taken: 03-05-2018 Facing: South-southeast

Description: View of the southern portion

of the prison yard.



Photo Number: 66 Taken By: MAP

Date Taken: 03-05-2018 Facing: East-northeast

Description: View of southern portion of

subject property.



Appendix D

Regulatory Documentation



Camp Ottawa Correctional Facility

216 Gendron Road Iron River, MI 49935

Inquiry Number: 05193093.2r

February 20, 2018

The EDR Radius Map™ Report with GeoCheck®



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

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TARGET PROPERTY INFORMATION

ADDRESS

216 GENDRON ROAD IRON RIVER, MI 49935

COORDINATES

Latitude (North): 46.1511100 - 46° 9' 3.99" Longitude (West): 88.6762960 - 88° 40' 34.66"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 370551.1 UTM Y (Meters): 5111985.0

Elevation: 1546 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 6069537 GIBBS CITY, MI

Version Date: 2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140923 Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 216 GENDRON ROAD IRON RIVER, MI 49935

Click on Map ID to see full detail.

MAP				RELATIVE	DIST (ft. & mi.)
ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	ELEVATION	DIRECTION
1	MI DEPT/CORRECTIONS	216 GENDRON RD	AIRS, WDS		TP

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

 Site
 Database(s)
 EPA ID

 MI DEPT/CORRECTIONS 216 GENDRON RD IRON RIVER, MI 49935
 AIRS State Registration Id: N2291
 N/A

 WDS WMD Id: 438223 Site Id: MIG000050429
 State Registration Id: N2291

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal institutional controls / engineering controls registries

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NPL list.

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

SWF/LF_____Solid Waste Facilities Database

State and tribal leaking storage tank lists

LUST_____Leaking Underground Storage Tank Sites

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

State and tribal registered storage tank lists

FEMA UST...... Underground Storage Tank Listing UST...... Underground Storage Tank Facility List

AST..... Aboveground Tanks

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

State and tribal institutional control / engineering control registries

AUL..... Engineering and Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF..... Inactive Solid Waste Facilities

SWRCY..... Recycling Facilities

ODI....... Open Dump Inventory IHS OPEN DUMPS...... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL Delisted National Clandestine Laboratory Register

CDL______Clandestine Drug Lab Listing
DEL PART 201______ Delisted List of Contaminated Sites
US CDL______ National Clandestine Laboratory Register

Local Land Records

LIENS....Lien List

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS_____Pollution Emergency Alerting System

Other Ascertainable Records

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

FUDS Formerly Used Defense Sites DOD Department of Defense Sites

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

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION.......... 2020 Corrective Action Program List

TSCA..... Toxic Substances Control Act

TRIS...... Toxic Chemical Release Inventory System

RAATS_____RCRA Administrative Action Tracking System

ICIS...... Integrated Compliance Information System

Act)/TSCA (Toxic Substances Control Act)

MLTS...... Material Licensing Tracking System COAL ASH DOE...... Steam-Electric Plant Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER_____PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS..... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS...... Aerometric Information Retrieval System Facility Subsystem

US MINES..... Mines Master Index File ABANDONED MINES..... Abandoned Mines

FINDS..... Facility Index System/Facility Registry System

UXO...... Unexploded Ordnance Sites

DOCKET HWC..... Hazardous Waste Compliance Docket Listing ECHO..... Enforcement & Compliance History Information

FUELS PROGRAM..... EPA Fuels Program Registered Listing

ASBESTOS..... ASBESTOS

BEA..... Baseline Environmental Assessment Database

COAL ASH...... Coal Ash Disposal Sites

LEAD..... Lead Safe Housing Registry NPDES..... List of Active NPDES Permits

UIC...... Underground Injection Wells Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

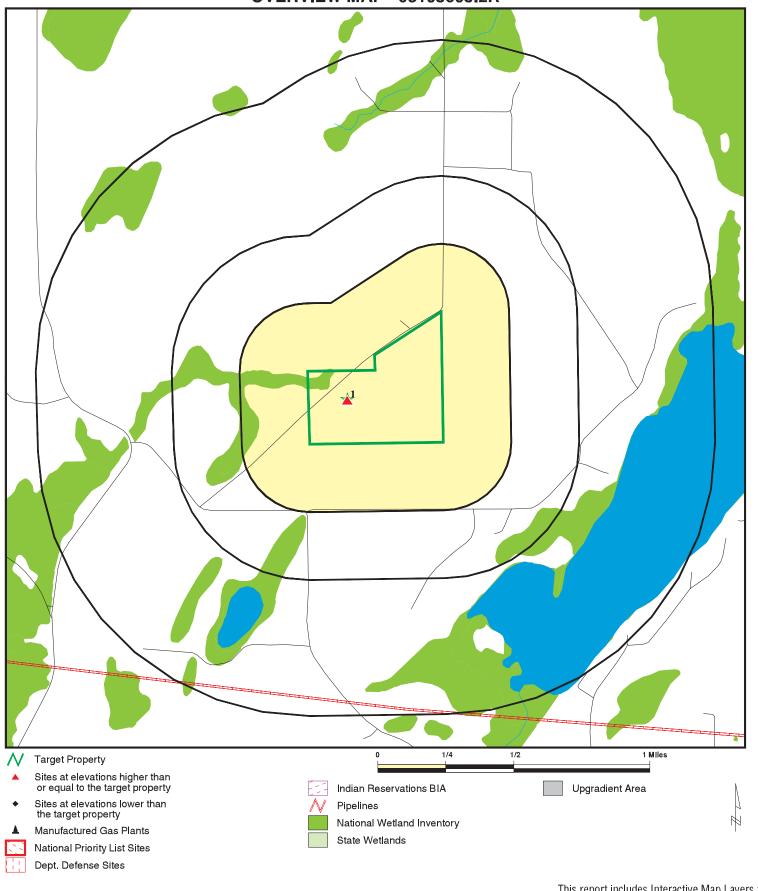
SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

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

There were no unmapped sites in this report.

OVERVIEW MAP - 05193093.2R



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

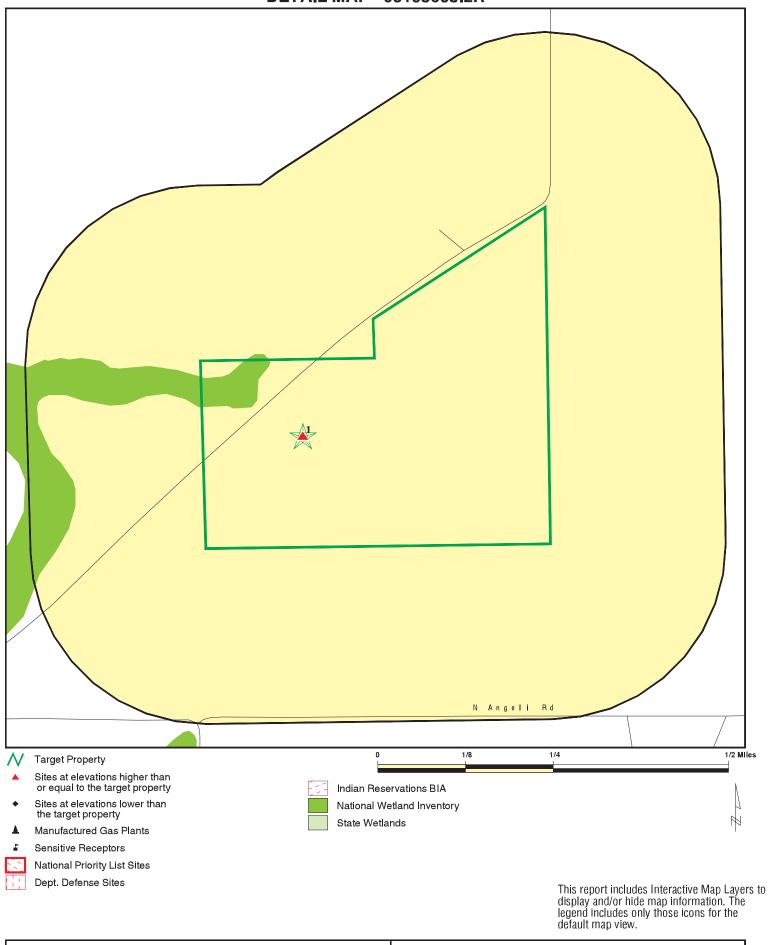
SITE NAME: Camp Ottawa Correctional Facility ADDRESS: 216 Gendron Road

Iron River MI 49935 LAT/LONG: 46.15111 / 88.676296 CLIENT: CONTACT: TriMedia Maura Pliska INQUIRY #: 05193093.2r

DATE: February 20, 2018 11:23 am

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DETAIL MAP - 05193093.2R



SITE NAME: Camp Ottawa Correctional Facility
ADDRESS: 216 Gendron Road
Iron River MI 49935
LAT/LONG: 46.15111 / 88.676296

CLIENT: TriMedia
CONTACT: Maura Pliska
INQUIRY #: 05193093.2r
DATE: February 20, 2018 11:24 am

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENT	AL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 0.001		0 0 0	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL site	e list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRAF	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	s list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equiva	lent CERCLIS	3						
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill a solid waste disposal site								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking s	storage tank l	ists						
LUST INDIAN LUST	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal registere	ed storage tan	ık lists						
FEMA UST	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST AST INDIAN UST	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
State and tribal institution control / engineering con								
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary	cleanup sites	3						
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfie	lds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	TAL RECORDS							
Local Brownfield lists								
	0.500		0	0	0	ND	ND	0
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	olia							
HIST LF SWRCY INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	waste /							
US HIST CDL PART 201 INVENTORY CDL DEL PART 201 US CDL	0.001 1.000 0.500 0.001 1.000 0.001		0 0 0 0 0	NR 0 0 NR 0 NR	NR 0 0 NR 0 NR	NR 0 NR NR 0 NR	NR NR NR NR NR	0 0 0 0 0
Local Land Records								
LIENS LIENS 2	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
Records of Emergency R	Release Report	's						
HMIRS SPILLS	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Reco	ords							
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS	0.250 1.000 1.000 0.500		0 0 0 0	0 0 0 0	NR 0 0 0	NR 0 0 NR	NR NR NR NR	0 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		Ö	NR	NR	NR	NR	Ö
ROD	1.000		Ö	0	0	0	NR	Õ
RMP	0.001		Ö	NR	NR	NŘ	NR	Õ
RAATS	0.001		Ö	NR	NR	NR	NR	Ö
PRP	0.001		Ö	NR	NR	NR	NR	Ö
PADS	0.001		Ö	NR	NR	NR	NR	Ö
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001	1	0	NR	NR	NR	NR	1
ASBESTOS	TP		NR	NR	NR	NR	NR	0
BEA	0.500		0	0	0	NR	NR	0
COAL ASH DRYCLEANERS	0.500 0.250		0 0	0 0	0 NR	NR NR	NR NR	0
Financial Assurance	0.250		0	NR	NR NR	NR	NR	0 0
LEAD	0.001		0	NR	NR	NR	NR	0
NPDES			0	NID	NID		NR	0
UIC	0.001 0.001		0	NR NR	NR NR	NR NR	NR	0
WDS	0.001	1	0	NR	NR	NR	NR	1
WD3	0.001	ı	U	INIX	INIX	INIX	INIX	ı
EDR HIGH RISK HISTORIC	AL RECORDS							
EDR Exclusive Records	;							
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		Ö	NR	NR	NR	NR	Ö
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
	520		Ŭ					Ŭ

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered	Govt. Archives							
RGA PART 201	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals		2	0	0	0	0	0	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

1 MI DEPT/CORRECTIONS AIRS \$107700888
Target 216 GENDRON RD WDS N/A

Property IRON RIVER, MI 49935

AIRS:

Contact Address: (same as site address)

Contact City,St,Zip:

Permit Number:

Date Received:

Not reported
693-89

08/10/1989

Application Reason: WOOD FIRED BOILER

Record Type: Not reported State County FIPS: Not reported Facility Category: Not reported SIC Primary: Not reported Tribal Code: Not reported Facility Status: Not reported Supplemental Location Text: Not reported Business Name: Not reported Principal Product: Not reported Principal Product Description: Not reported

UTM Zone (Geo Coordinates Universal Transverse Mercator System):

UTM Horizontal Coord: Not reported **UTM Vertical Coord:** Not reported Mailing Name: Not reported Mailing Contact Person: Not reported Mailing Street: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported Mailing Zip 4 Extension: Not reported Compliance Person: Not reported Compliance Area Code: Not reported

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

WDS:

Site Id: MIG000050429

WMD ld: 438223

Site Specific Name: MI DEPT/CORRECTIONS

Mailing Address: 216 GENDRON RD

Mailing City/State/Zip: 49935 Mailing County: IRON **EDR ID Number**

Not reported

Count: 0 records. ORPHAN SUMMARY

City EDR ID Site Name Site Address Zip Database(s)

NO SITES FOUND

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 12/11/2017 Source: EPA
Date Data Arrived at EDR: 12/22/2017 Telephone: N/A

Number of Days to Update: 14 Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 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: 12/11/2017 Source: EPA
Date Data Arrived at EDR: 12/22/2017 Telephone: N/A

Number of Days to Update: 14 Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/22/2017 Date Made Active in Reports: 01/05/2018

Number of Days to Update: 14

Source: EPA Telephone: N/A

Last EDR Contact: 02/06/2018

Next Scheduled EDR Contact: 04/16/2018 Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017

Number of Days to Update: 92

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 01/05/2018

Next Scheduled EDR Contact: 04/16/2018 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 know 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: 12/11/2017 Date Data Arrived at EDR: 12/22/2017 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 21

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 02/06/2018

Next Scheduled EDR Contact: 04/30/2018 Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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: 12/11/2017 Date Data Arrived at EDR: 12/22/2017 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 21

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 02/06/2018

Next Scheduled EDR Contact: 04/30/2018 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 04/09/2018 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 04/09/2018 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency Telephone: 312-886-6186

Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 04/09/2018 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 04/09/2018 Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/22/2017 Date Data Arrived at EDR: 06/13/2017 Date Made Active in Reports: 09/15/2017

Number of Days to Update: 94

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 02/09/2018

Next Scheduled EDR Contact: 05/28/2018 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 11/13/2017 Date Data Arrived at EDR: 11/27/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 74

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 03/12/2018 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 11/13/2017 Date Data Arrived at EDR: 11/27/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 74

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 03/12/2018

Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 09/18/2017 Date Data Arrived at EDR: 09/21/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 22

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 04/09/2018 Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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

Date of Government Version: N/A
Date Data Arrived at EDR: 10/31/2013
Date Made Active in Reports: 11/20/2013

Number of Days to Update: 20

Source: Dept of Environmental Quality

Telephone: 517-284-5103 Last EDR Contact: 01/22/2018

Next Scheduled EDR Contact: 05/07/2018

Data Release Frequency: No Update Planned

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

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/22/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 01/31/2018

Number of Days to Update: 36

Source: Dept of Environmental Quality

Telephone: 517-335-4035 Last EDR Contact: 12/26/2017

Next Scheduled EDR Contact: 04/09/2018 Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/20/2017 Date Data Arrived at EDR: 10/05/2017 Date Made Active in Reports: 12/08/2017

Number of Days to Update: 64

Source: Dept of Environmental Quality

Telephone: 517-373-9837 Last EDR Contact: 02/14/2018

Next Scheduled EDR Contact: 05/28/2018 Data Release Frequency: Annually

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: 04/26/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 78

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 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: 04/25/2017 Date Data Arrived at EDR: 11/07/2017 Date Made Active in Reports: 12/08/2017

Number of Days to Update: 31

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 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: 04/13/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 78

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 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: 04/14/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/06/2017

Number of Days to Update: 71

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/06/2017

Number of Days to Update: 71

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 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: 10/14/2016 Date Data Arrived at EDR: 01/27/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 98

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Semi-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: 04/14/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/06/2017

Number of Days to Update: 71

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017 Date Data Arrived at EDR: 05/30/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 136

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 01/09/2018

Next Scheduled EDR Contact: 04/23/2018 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: 01/19/2018 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 01/31/2018

Number of Days to Update: 8

Source: Department of Licensing & Regulatory Affairs

Telephone: 517-373-1820 Last EDR Contact: 01/12/2018

Next Scheduled EDR Contact: 04/30/2018 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: 09/13/2017 Date Data Arrived at EDR: 02/01/2018 Date Made Active in Reports: 02/08/2018

Number of Days to Update: 7

Source: Department of Licensing & Regulatory Affairs

Telephone: 517-373-1820 Last EDR Contact: 02/16/2018

Next Scheduled EDR Contact: 05/28/2018 Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 08/14/2017 Date Data Arrived at EDR: 08/15/2017 Date Made Active in Reports: 10/05/2017

Number of Days to Update: 51

Source: Department of Licensing & Regulatory Affairs

Telephone: 517-373-1820 Last EDR Contact: 11/10/2017

Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: No Update Planned

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/24/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 12/08/2017

Number of Days to Update: 134

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 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: 04/25/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 78

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/02/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/06/2017

Number of Days to Update: 71

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 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: 04/14/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/06/2017

Number of Days to Update: 71

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016 Date Data Arrived at EDR: 01/27/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 98

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/01/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 78

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 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: 04/13/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 78

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 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: 04/26/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/06/2017

Number of Days to Update: 71

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 01/23/2018

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

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

Date of Government Version: 11/22/2017 Date Data Arrived at EDR: 11/27/2017 Date Made Active in Reports: 12/27/2017

Number of Days to Update: 30

Source: Dept of Environmental Quality

Telephone: 517-373-4828 Last EDR Contact: 11/21/2017

Next Scheduled EDR Contact: 03/12/2018 Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 12/20/2017

Next Scheduled EDR Contact: 04/09/2018 Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

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

Date of Government Version: 01/15/2016 Date Data Arrived at EDR: 02/02/2016 Date Made Active in Reports: 04/04/2016

Number of Days to Update: 62

Source: Dept of Environmental Quality

Telephone: 517-373-4805 Last EDR Contact: 01/22/2018

Next Scheduled EDR Contact: 05/07/2018 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, Detrot Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007 Date Data Arrived at EDR: 04/10/2007 Date Made Active in Reports: 05/01/2007

Number of Days to Update: 21

Source: Economic Development Corporation

Telephone: 888-522-0103 Last EDR Contact: 11/21/2017

Next Scheduled EDR Contact: 03/12/2018 Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 01/19/2018 Date Data Arrived at EDR: 01/19/2018 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 04/02/2018 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 Date Data Arrived at EDR: 02/28/2003 Date Made Active in Reports: 03/06/2003

Number of Days to Update: 6

Source: Dept of Environmental Quality

Telephone: 517-335-4034 Last EDR Contact: 02/28/2003 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: 01/11/2018 Date Data Arrived at EDR: 01/16/2018 Date Made Active in Reports: 01/26/2018

Number of Days to Update: 10

Source: Dept of Environmental Quality

Telephone: 517-241-5719 Last EDR Contact: 01/08/2018

Next Scheduled EDR Contact: 04/09/2018 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 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 01/30/2018

Next Scheduled EDR Contact: 05/14/2018 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 01/22/2018

Next Scheduled EDR Contact: 05/07/2018

Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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 Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 02/02/2018

Next Scheduled EDR Contact: 05/14/2018 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: 01/19/2018 Date Data Arrived at EDR: 01/24/2018 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 16

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 03/12/2018

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 Environmental Quality

Telephone: 517-284-5103 Last EDR Contact: 01/22/2018

Next Scheduled EDR Contact: 05/07/2018

Data Release Frequency: No Update Planned

INVENTORY: Inventory of Facilities

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

Date of Government Version: 10/24/2017 Date Data Arrived at EDR: 10/25/2017 Date Made Active in Reports: 12/08/2017

Number of Days to Update: 44

Source: Department of Environmental Quality

Telephone: 517-284-5136 Last EDR Contact: 01/25/2018

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Listing
A listing of clandestine drug lab locations.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 02/17/2017 Date Made Active in Reports: 04/18/2017

Number of Days to Update: 60

Source: Department of Community Health

Telephone: 517-373-3740 Last EDR Contact: 01/22/2018

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Varies

DEL PART 201: Delisted List of Contaminated Sites

A deleted site has been removed from the Part 201 List because information known to the DEQ at the time of the evaluation does not support inclusion on the Part 201 List. This designation is often applied to sites where changes in cleanup criteria resulted in a determination that the site no longer exceeds any applicable cleanup criterion.

A delisted site has been removed from the Part 201 List because response actions have reduced the levels of contaminants

to concentrations which meet or are below the criteria for unrestricted residential use.

Date of Government Version: 08/01/2013 Date Data Arrived at EDR: 08/01/2013 Date Made Active in Reports: 09/11/2013

Number of Days to Update: 41

Source: Dept of Environmental Quality

Telephone: 517-373-9541 Last EDR Contact: 01/22/2018

Next Scheduled EDR Contact: 05/07/2018 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: 01/09/2018 Date Data Arrived at EDR: 01/24/2018 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 16

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 03/12/2018 Data Release Frequency: Quarterly

Local Land Records

LIENS: Lien List

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

Date of Government Version: 12/25/2017 Date Data Arrived at EDR: 01/19/2018 Date Made Active in Reports: 01/26/2018

Number of Days to Update: 7

Source: Dept of Environmental Quality Telephone: 517-241-7603

Last EDR Contact: 01/17/2018

Next Scheduled EDR Contact: 04/30/2018 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: 12/11/2017 Date Data Arrived at EDR: 12/22/2017 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 02/06/2018

Next Scheduled EDR Contact: 05/21/2018 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: 09/21/2017 Date Data Arrived at EDR: 09/21/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 22

Source: U.S. Department of Transportation Telephone: 202-366-4555

Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 04/09/2018 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: 09/11/2017 Date Data Arrived at EDR: 09/19/2017 Date Made Active in Reports: 09/27/2017

Number of Days to Update: 8

Source: Dept of Environmental Quality

Telephone: 517-373-8427 Last EDR Contact: 01/22/2018

Next Scheduled EDR Contact: 05/07/2018 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: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 04/09/2018 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 11/22/2017

Next Scheduled EDR Contact: 03/05/2018 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 10/13/2017

Next Scheduled EDR Contact: 01/22/2018 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/11/2017

Next Scheduled EDR Contact: 01/22/2018

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 02/16/2018

Next Scheduled EDR Contact: 05/28/2018 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: 10/17/2017 Date Data Arrived at EDR: 11/01/2017 Date Made Active in Reports: 12/08/2017

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 04/09/2018 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
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: 01/31/2018

Next Scheduled EDR Contact: 05/21/2018 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: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 6

Source: Environmental Protection Agency Telephone: 703-308-4044

Last EDR Contact: 02/08/2018

Next Scheduled EDR Contact: 05/21/2018

Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 01/05/2018

Number of Days to Update: 198

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 12/22/2017

Next Scheduled EDR Contact: 04/02/2018 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: 12/31/2016 Date Data Arrived at EDR: 01/10/2018 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 2

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 01/10/2018

Next Scheduled EDR Contact: 03/05/2018 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: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA Telephone: 202-564-4203

Last EDR Contact: 01/25/2018 Next Scheduled EDR Contact: 05/07/2018

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: 12/11/2017 Date Data Arrived at EDR: 12/22/2017 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 21

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 02/06/2018

Next Scheduled EDR Contact: 03/19/2018 Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 11/02/2017 Date Data Arrived at EDR: 11/17/2017 Date Made Active in Reports: 12/08/2017

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 05/07/2018 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 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 02/06/2018

Next Scheduled EDR Contact: 05/21/2018 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: 06/01/2017 Date Data Arrived at EDR: 06/09/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 126

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/12/2018

Next Scheduled EDR Contact: 04/23/2018 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 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 01/09/2018

Next Scheduled EDR Contact: 04/23/2018 Data Release Frequency: Quarterly

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

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009

Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Quarterly

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: 08/30/2016 Date Data Arrived at EDR: 09/08/2016 Date Made Active in Reports: 10/21/2016

Number of Days to Update: 43

Source: Nuclear Regulatory Commission Telephone: 301-415-7169

Last EDR Contact: 01/19/2018 Next Scheduled EDR Contact: 05/21/2018

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: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 12/05/2017

Next Scheduled EDR Contact: 03/19/2018 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: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 12/08/2017

Next Scheduled EDR Contact: 03/19/2018 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: 05/24/2017 Date Data Arrived at EDR: 11/30/2017 Date Made Active in Reports: 12/15/2017

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 01/26/2018

Next Scheduled EDR Contact: 05/07/2018

Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017 Date Data Arrived at EDR: 10/05/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 01/04/2018

Next Scheduled EDR Contact: 04/16/2018 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 Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 05/14/2018

Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 11/10/2017 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 63

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 01/04/2018

Next Scheduled EDR Contact: 04/02/2018

Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/20/2017

Next Scheduled EDR Contact: 03/05/2018 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 01/09/2018

Next Scheduled EDR Contact: 04/23/2018 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: 12/23/2016 Date Data Arrived at EDR: 12/27/2016 Date Made Active in Reports: 02/17/2017

Number of Days to Update: 52

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 05/21/2018 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: 06/23/2017 Date Data Arrived at EDR: 10/11/2017 Date Made Active in Reports: 11/03/2017

Number of Days to Update: 23

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/22/2017

Next Scheduled EDR Contact: 03/05/2018 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/10/2017 Date Data Arrived at EDR: 11/03/2017 Date Made Active in Reports: 12/15/2017

Number of Days to Update: 42

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 02/06/2018

Next Scheduled EDR Contact: 05/21/2018 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 1931and 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 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

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

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

> Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

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: 10/29/2017 Date Data Arrived at EDR: 11/28/2017 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 45

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 11/28/2017

Next Scheduled EDR Contact: 03/12/2018 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 12/01/2017

Next Scheduled EDR Contact: 03/12/2018
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: 12/01/2017

Next Scheduled EDR Contact: 03/12/2018 Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 09/25/2017 Date Data Arrived at EDR: 09/26/2017 Date Made Active in Reports: 10/20/2017

Number of Days to Update: 24

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 12/19/2017

Next Scheduled EDR Contact: 03/26/2018 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: 07/23/2017 Date Data Arrived at EDR: 09/06/2017 Date Made Active in Reports: 09/15/2017

Number of Days to Update: 9

Source: EPA

Telephone: (312) 353-2000 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 03/19/2018 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016 Date Data Arrived at EDR: 10/31/2017 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 73

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 01/02/2018

Next Scheduled EDR Contact: 04/30/2018 Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/27/2017 Date Data Arrived at EDR: 11/21/2017 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 03/12/2018 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: 09/02/2017 Date Data Arrived at EDR: 09/06/2017 Date Made Active in Reports: 10/20/2017

Number of Days to Update: 44

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 03/19/2018 Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels

Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/20/2017 Date Data Arrived at EDR: 11/20/2017 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 53

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 03/05/2018 Data Release Frequency: Quarterly

AIRS: Permit and Emissions Inventory Data Permit and emissions inventory data.

> Date of Government Version: 12/20/2017 Date Data Arrived at EDR: 12/22/2017 Date Made Active in Reports: 01/26/2018

Number of Days to Update: 35

Source: Dept of Environmental Quality

Telephone: 517-373-7074 Last EDR Contact: 12/13/2017

Next Scheduled EDR Contact: 04/02/2018 Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing

Asbestos

Date of Government Version: 10/31/2017 Date Data Arrived at EDR: 11/07/2017 Date Made Active in Reports: 12/08/2017

Number of Days to Update: 31

Source: Department of Licensing & Regulatory Affairs

Telephone: 517-284-7699 Last EDR Contact: 02/01/2018

Next Scheduled EDR Contact: 03/12/2018 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: 08/21/2013 Date Data Arrived at EDR: 08/23/2013 Date Made Active in Reports: 09/12/2013

Number of Days to Update: 20

Source: Dept of Environmental Quality

Telephone: 517-373-9541 Last EDR Contact: 02/09/2018

Next Scheduled EDR Contact: 05/28/2018
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: 10/20/2016 Date Data Arrived at EDR: 02/02/2017 Date Made Active in Reports: 04/20/2017

Number of Days to Update: 77

Source: Dept of Environmental Quality Telephone: 586-753-3754

Last EDR Contact: 12/26/2017

Next Scheduled EDR Contact: 04/16/2018 Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments
A listing of drycleaning facilities in Michigan.

Date of Government Version: 10/20/2017 Date Data Arrived at EDR: 10/20/2017 Date Made Active in Reports: 10/24/2017

Number of Days to Update: 4

Source: Dept of Environmental Quality Telephone: 517-335-4586 Last EDR Contact: 01/11/2018

Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/11/2018 Date Data Arrived at EDR: 01/11/2018 Date Made Active in Reports: 01/31/2018

Number of Days to Update: 20

Source: Dept of Environmental Quality

Telephone: 517-335-6610 Last EDR Contact: 01/02/2018

Next Scheduled EDR Contact: 04/16/2018 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: 01/05/2011 Date Data Arrived at EDR: 01/07/2011 Date Made Active in Reports: 02/14/2011

Number of Days to Update: 38

Source: Dept of Environmental Quality

Telephone: 517-335-4034 Last EDR Contact: 12/20/2017

Next Scheduled EDR Contact: 04/09/2018 Data Release Frequency: Varies

FINANCIAL ASSURANCE 3: Financial Assurance Information Listing

Financial assurance information for underground storage tank facilities.

Date of Government Version: 08/24/2017 Date Data Arrived at EDR: 08/24/2017 Date Made Active in Reports: 10/27/2017

Number of Days to Update: 64

Source: Department of Licensing & Regulatory Affairs

Telephone: 517-335-7279 Last EDR Contact: 01/12/2018

Next Scheduled EDR Contact: 04/16/2018 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: 09/15/2015 Date Data Arrived at EDR: 09/16/2015 Date Made Active in Reports: 09/30/2015

Number of Days to Update: 14

Source: Department of Community Health

Telephone: 517-335-9699 Last EDR Contact: 12/01/2017

Next Scheduled EDR Contact: 03/19/2018 Data Release Frequency: Quarterly

NPDES: List of Active NPDES Permits

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

Date of Government Version: 09/27/2017 Date Data Arrived at EDR: 10/05/2017 Date Made Active in Reports: 12/11/2017

Number of Days to Update: 67

Source: Dept of Environmental Quality

Telephone: 517-241-1300 Last EDR Contact: 01/05/2018

Next Scheduled EDR Contact: 04/16/2018 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: 11/07/2017 Date Data Arrived at EDR: 11/09/2017 Date Made Active in Reports: 11/29/2017

Number of Days to Update: 20

Source: Dept of Environmental Quality

Telephone: 517-241-1515 Last EDR Contact: 02/05/2018

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Quarterly

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous

Waste, and Liquid Industrial Waste programs.

Date of Government Version: 11/21/2017 Date Data Arrived at EDR: 11/21/2017 Date Made Active in Reports: 01/02/2018

Number of Days to Update: 42

Source: Dept of Environmental Quality

Telephone: 517-284-6562 Last EDR Contact: 11/15/2017

Next Scheduled EDR Contact: 03/05/2018

Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A Source: EDR, Inc. Date Data Arrived at EDR: N/A Telephone: N/A Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: 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 Source: EDR, Inc. Date Data Arrived at EDR: N/A Telephone: N/A Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: 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 Source: EDR, Inc. Date Data Arrived at EDR: N/A Telephone: N/A Last EDR Contact: N/A Date Made Active in Reports: N/A

Number of Days to Update: 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

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 Environmental Quality

Source: Department of Environmental Quality

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/24/2013 Number of Days to Update: 176

Source: Department of Environmental Quality 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: 11/11/2017 Date Data Arrived at EDR: 11/14/2017 Date Made Active in Reports: 12/18/2017

Number of Days to Update: 34

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 02/14/2018

Next Scheduled EDR Contact: 05/28/2018 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 04/11/2017 Date Made Active in Reports: 07/27/2017

Number of Days to Update: 107

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 01/05/2018

Next Scheduled EDR Contact: 04/23/2018 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

acility.

Date of Government Version: 10/01/2017 Date Data Arrived at EDR: 11/01/2017 Date Made Active in Reports: 11/13/2017

Number of Days to Update: 12

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 01/31/2018

Next Scheduled EDR Contact: 05/14/2018 Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 07/25/2017 Date Made Active in Reports: 09/25/2017

Number of Days to Update: 62

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 01/16/2018

Next Scheduled EDR Contact: 04/30/2018 Data Release Frequency: Annually

RI MANIFEST: Manifest information Hazardous waste manifest information

> Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 06/19/2015 Date Made Active in Reports: 07/15/2015

Number of Days to Update: 26

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 11/16/2017

Next Scheduled EDR Contact: 03/05/2018 Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 04/13/2017 Date Made Active in Reports: 07/14/2017

Number of Days to Update: 92

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 12/11/2017

Next Scheduled EDR Contact: 03/26/2018 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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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

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Source: Department of Natural Resources

Telephone: 517-241-2254

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CAMP OTTAWA CORRECTIONAL FACILITY 216 GENDRON ROAD IRON RIVER, MI 49935

TARGET PROPERTY COORDINATES

Latitude (North): 46.15111 - 46° 9' 4.00" Longitude (West): 88.676296 - 88° 40' 34.67"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 370551.1 UTM Y (Meters): 5111985.0

Elevation: 1546 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 6069537 GIBBS CITY, MI

Version Date: 2014

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

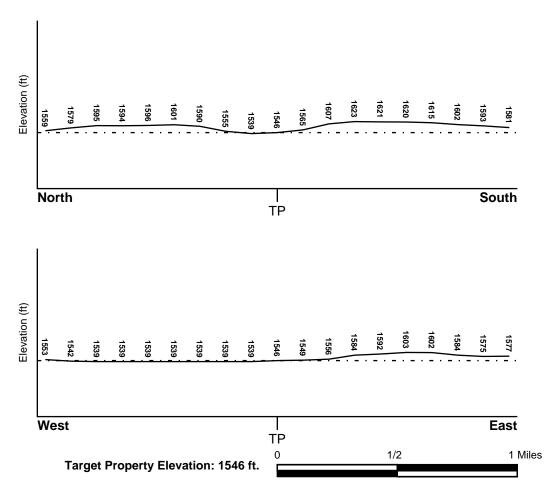
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property FEMA Source Type

Not Reported

Additional Panels in search area: FEMA Source Type

Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

GIBBS CITY YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era: Precambrian Category: Stratified Sequence

System: Precambrian

Series: X metasedimentary rocks

Code: X (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: PADUS

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to

water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Boundary Classification						
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	2 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 4.50
2	2 inches	3 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 4.50
3	3 inches	19 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
4	19 inches	38 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 4.50
5	38 inches	60 inches	gravelly - coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 6.50 Min: 5.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam

peat muck loamy sand silt loam

Surficial Soil Types: sandy loam

peat muck loamy sand silt loam

Shallow Soil Types: loamy sand

muck silt loam

Deeper Soil Types: mucky-peat

muck stratified sand loam coarse san

coarse sand sandy loam gravelly - sand

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 0.001 miles

State Database 1.000

FEDERAL USGS WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP

No Wells Found

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP

No PWS System Found

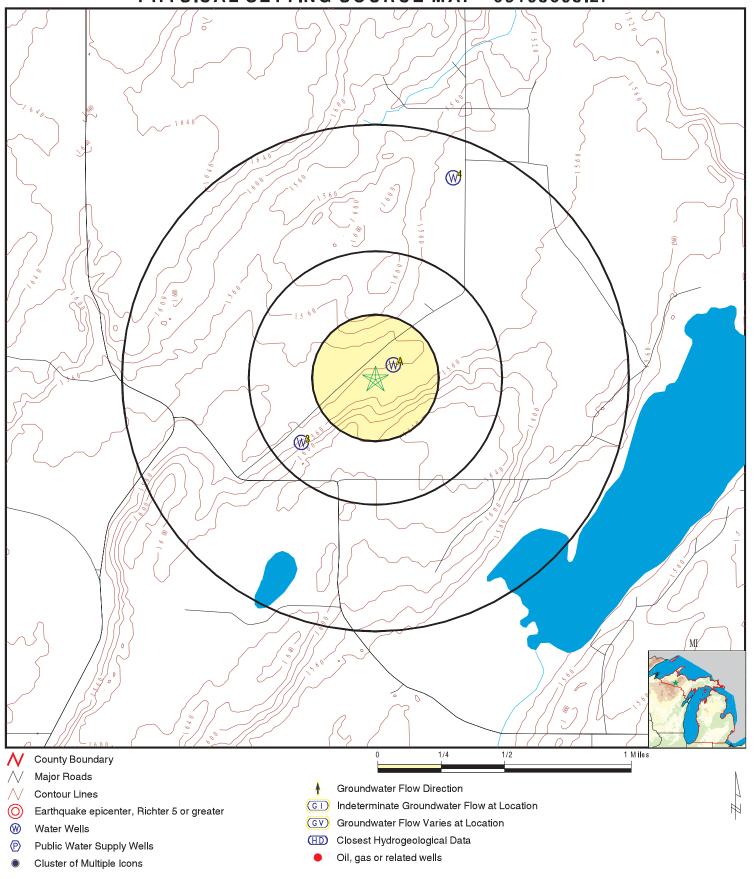
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	FROM TP
A1 A2	MI3000000309939 MI300000309940	0 - 1/8 Mile NE 0 - 1/8 Mile NE
3	MI300000309902 MI300000310254	1/4 - 1/2 Mile SW 1/2 - 1 Mile NNE

LOCATION

PHYSICAL SETTING SOURCE MAP - 05193093.2r



SITE NAME: Camp Ottawa Correctional Facility ADDRESS: 216 Gendron Road

Iron River MI 49935 LAT/LONG: 46.15111 / 88.676296 CLIENT: TriMedia CONTACT: Maura Pliska TriMedia INQUIRY #: 05193093.2r

February 20, 2018 11:24 am DATE:

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Map ID Direction Distance

Elevation Database EDR ID Number A1 NE **MI WELLS** MI3000000309939 0 - 1/8 Mile Lower Wellid: 36000000019 Import id: 36433503311 Township: Iron River County: Iron 43N 35W Town range: Section: 3 **CAMP OTTAWA** Owner name: Well addr: 216 Gendron Road Well depth: 69 Type I public Well type: 1068 Wssn: Well num: CAMP OTTAWA WELL #1 Driller id: 2022 Const date: 1990-11-01 00:00:00.000 Case type: Steel-black Case dia: 6 Case depth: 57 Screen frm: 55 Screen to: 69 Swl: 15.92 Test depth: 33 Test hours: 21 163 Test rate: Test methd: Unknown Grouted: Pmp cpcity: 160 46.151805 Latitude: Longitude: -88.674817 Methd coll: GPS Code Meas. Std. Positioning Svc. SA Off Elevation: Elev methd: Topographoc Map Interpolation Not Reported Depth flag: Elev flag: Not Reported Not Reported Swl flag: Elev dem: 1538 Elev dif: Elev miv: 1540 Aq code: Drift Well Aq flag: Not Reported Pct aq: 100 100 0 Pct aq d: Pct aq r: Pct maq: 0 Pct maq d: 0 Pct mag r: 0 Pct cm: 0 Pct cm d: 0 Pct cm r: 0 0 0 Pct pcm: Pct pcm d: 0 0 Pct pcm r: Pct na: 0 Pct na d: 0 Pct na r: Pct flag: Not Reported Rock top: -1 D r type: Not Reported Spc cpcity: 0 A thicknes: 53 A pct aq: 100 0 0 A pct maq: A pct pcm: 0 0 A pct cm: A pct na: A thickns2: 53 A pct aq2: 100 0 0 A pct maq2: A pct pcm2: 0 A pct cm2: 0 A pct na2: F A hit swl: Т A hit top: A hit rock: F A sc lith1: Gravel A sc Imod1: Coarse A sc Imaq1: AQ Not Reported A sc lpct1: 100 A sc lith2: A sc Imod2: Not Reported Not Reported A sc Imag2: A sc lpct2: 0 Pct aq 1: 100 Pct maq 1: 0 Pct cm 1: 0 0 Pct pcm 1: 0 Pct na 1:

Pct aq 2: 100 Pct cm 2: 0 Pct na 2: 0 Pct maq 3: 0 0 Pct pcm 3: Pct aq 4: 0 Pct cm 4: 0 Pct na 4: 0 Pct maq 5: 0 Pct pcm 5: 0 0 Pct aq 6: Pct cm 6: 0 Pct na 6: 0 Pct maq 7: 0 Pct pcm 7: 0 0 Pct aq 8: Pct cm 8: 0 Pct na 8: 0 Pct maq 9: 0 Pct pcm 9: 0 Pct aq 10: 0 Pct cm 10: 0 Pct na 10: 0 Pct maq 11: 0 Pct pcm 11: 0 Pct aq 12: 0 Pct cm 12: 0 Pct na 12: 0 Pct maq 13: 0 0 Pct pcm 13: Within sec: Υ Aq code 1: D Hit swl: Т Athk2: 53 Horiz Conduct: 177.35849 Vert Conduct: 90.59829 T2: 9400 D50plek: 774.32482 Pct maq 2: 0 Pct pcm 2: 0 Pct aq 3: 100 Pct cm 3: 0 Pct na 3: 0 0 Pct maq 4: Pct pcm 4: 0 Pct aq 5: 0 Pct cm 5: 0 0 Pct na 5: Pct maq 6: 0 Pct pcm 6: 0 Pct aq 7: 0 0 Pct cm 7: 0 Pct na 7: Pct maq 8: 0 Pct pcm 8: 0 Pct aq 9: 0 Pct cm 9: 0 Pct na 9: 0 Pct maq 10: 0 Pct pcm 10: 0 0 Pct aq 11: Pct cm 11: 0 0 Pct na 11: Pct mag 12: 0 0 Pct pcm 12: Pct aq 13: 0 Pct cm 13: 0 Pct na 13: 0 Loc match:

MI WELLS MI3000000309940 NE 0 - 1/8 Mile

Driller id:

Wellid: 36000000020 County: Iron Town range: 43N 35W **CAMP OTTAWA** Owner name: Well addr: 216 Gendron Road

70 Well depth:

Lower

Type I public Well type:

Wssn: 1068

Well num: CAMP OTTAWA WELL #2 Const date: 1990-11-06 00:00:00.000

Case dia:

Import id: 36433503312 Township: Iron River Section:

2022 Case type: Steel-black

Case depth: 57 Screen frm: 55 Screen to: 70 15.92 Swl: Test depth: 0 Test hours: 0 Test rate: 0 Test methd: Unknown Grouted: Pmp cpcity: 160 46.151912 Latitude: -88.674817 Longitude: GPS Code Meas. Std. Positioning Svc. SA Off Methd coll: Elevation: Elev methd: Topographoc Map Interpolation Depth flag: Not Reported Elev flag: Not Reported Swl flag: Not Reported 1538 Elev dem: Elev dif: 2 Drift Well Elev miv: 1540 Aq code: Not Reported Aq flag: 100 Pct aq: Pct aq d: 100 Pct ag r: 0 Pct maq: 0 Pct maq d: 0 Pct maq r: 0 Pct cm: 0 0 Pct cm d: 0 Pct cm r: 0 0 Pct pcm: Pct pcm d: Pct pcm r: 0 Pct na: 0 Pct na d: 0 Pct na r: 0 Pct flag: Not Reported Rock top: -1 0 Not Reported D r type: Spc cpcity: A thicknes: 54 A pct aq: 100 0 A pct maq: A pct pcm: 0 A pct cm: 0 0 A pct na: A thickns2: 54 A pct aq2: 100 0 0 A pct maq2: A pct pcm2: A pct cm2: 0 0 A pct na2: A hit swl: Т A hit top: F A hit rock: F A sc lith1: Gravel A sc Imod1: Coarse A sc Imag1: AQ 100 Not Reported A sc lpct1: A sc lith2: A sc Imod2: Not Reported A sc Imag2: Not Reported A sc lpct2: 0 Pct aq 1: 100 Pct maq 1: 0 Pct cm 1: 0 0 0 Pct pcm 1: Pct na 1: 0 Pct aq 2: 100 Pct maq 2: Pct cm 2: 0 0 Pct pcm 2: Pct na 2: 0 Pct aq 3: 100 Pct maq 3: 0 Pct cm 3: 0 Pct pcm 3: 0 Pct na 3: 0 Pct maq 4: Pct aq 4: 0 0 0 Pct cm 4: 0 Pct pcm 4: Pct na 4: 0 Pct aq 5: 0 0 Pct cm 5: 0 Pct maq 5: 0 0 Pct pcm 5: Pct na 5: 0 Pct aq 6: 0 Pct mag 6: Pct cm 6: 0 Pct pcm 6: 0 Pct na 6: 0 Pct aq 7: 0 Pct maq 7: 0 Pct cm 7: 0 Pct na 7: Pct pcm 7: 0 0 Pct aq 8: 0 Pct mag 8: 0 Pct cm 8: 0 Pct pcm 8: 0 0 0 Pct na 8: Pct aq 9: 0 Pct maq 9: 0 Pct cm 9: Pct pcm 9: 0 Pct na 9: 0

Pct aq 10: 0 Pct maq 10: 0 Pct cm 10: 0 Pct pcm 10: 0 0 Pct na 10: 0 Pct aq 11: 0 0 Pct maq 11: Pct cm 11: Pct pcm 11: Pct na 11: 0 0 Pct aq 12: 0 0 Pct maq 12: Pct pcm 12: Pct cm 12: 0 0 Pct na 12: 0 Pct aq 13: 0 Pct maq 13: 0 Pct cm 13: 0 0 Pct pcm 13: Pct na 13: 0 Υ Υ Within sec: Loc match: Aq code 1: D Hit swl: Т Athk2: 54 Horiz Conduct: 179.62963

3 SW 1/4 - 1/2 Mile Higher

Vert Conduct:

T2:

D50plek:

Wellid: 36000000461 Import id: Not Reported County: Iron Township: Stambaugh 33

Town range: 42N 34W Section: IRON RIVER STATE PRISON Owner name:

Not Reported Well addr:

91.7847

812.89741

9700

Well depth: 203

Well type: Test well Wssn: 0

Well num:

Driller id: 575 Not Reported Const date: 1990-05-04 00:00:00.000 Case type: Steel

Case dia: 6 Case depth: 175 Screen frm: 0 Screen to: 0 Swl: 0 Test depth: 61 Test hours: 12

Test rate: 100 Test methd: Unknown Grouted: 0 Pmp cpcity:

Latitude: 46.14742473 Longitude: -88.68237438 Methd coll: Interpolation-Map

Elevation:

Elev methd: DEM30M Depth flag: Not Reported

Elev flag: Elevation < DEMmin or Elevation > DEMmax

SWL = 0Swl flag:

1555 Elev dem: 1555 Elev dif: Elev miv: 1555 Aq code: Rock Well

Aq flag: Not Reported

Pct aq: 24

0 Pct aq d: 60 Pct aq r: Pct maq d: 28 Pct maq: 11 Pct maq r: 0 Pct cm: 60 MI3000000309902

MI WELLS

Pct cm d:	0	Pct cm r:	98
Pct pcm:	5	Pct pcm d:	13
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	80
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	T
A hit rock:	F	A sc lith1:	Not Reported
A sc Imod1:	Not Reported	A sc Imaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	40
Pct maq 3:	60	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	50
Pct cm 4:	0	Pct pcm 4:	50
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Υ
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
DE0-lal.	0		

D50plek:

0

Map ID
Direction
Distance
□1 4!

Database EDR ID Number Elevation NNE **MI WELLS** MI3000000310254 1/2 - 1 Mile Higher Wellid: 36000000512 Import id: Not Reported Iron River Township: County: Iron 44N 35W Town range: 34 Section: **DEL PIWARSKI** Owner name: Well addr: Not Reported Well depth: 73 Well type: Household Wssn: 0 Well num: Driller id: 1716 Not Reported 1999-06-09 00:00:00.000 Const date: Case type: Steel 6 Case dia: Case depth: 74.5 Screen frm: 0 Screen to: 0 Swl: 51 Test depth: 54 Test hours: 24 Test rate: 12 Test methd: Test Pump Grouted: Pmp cpcity: 12 46.1625432 Latitude: Longitude: -88.6698905 Methd coll: Interpolation-Map Elevation: Elev methd: DEM30M Depth flag: Not Reported Elev flag: Elevation < DEMmin or Elevation > DEMmax Not Reported Swl flag: Elev dem: 1555 1555 Elev dif: Elev miv: 1555 Aq code: Drift Well Aq flag: Not Reported Pct aq: 60 0 Pct aq d: 60 Pct aq r: Pct maq: 40 Pct maq d: 40 Pct maq r: 0 Pct cm: 0 Pct cm d: 0 Pct cm r: 0 0 0 Pct pcm: Pct pcm d: 0 0 Pct pcm r: Pct na: 0 Pct na d: 0 Pct na r: Pct flag: Not Reported Rock top: -1 D r type: Not Reported Spc cpcity: .200000002980232 A thicknes: 0 A pct aq: 0 0 0 A pct maq: A pct pcm: 0 A pct cm: 0 A pct na: 0 A thickns2: 0 A pct aq2: 0 0 A pct maq2: A pct pcm2: 0 A pct cm2: 0 A pct na2: F A hit swl: A hit top: Т A hit rock: A sc lith1: Not Reported A sc Imod1: Not Reported A sc Imaq1: Not Reported A sc lpct1: A sc lith2: Not Reported A sc Imod2: Not Reported Not Reported A sc Imaq2: A sc lpct2: 0 Pct aq 1: 100 Pct maq 1: 0 Pct cm 1: 0 0 Pct pcm 1: 0 Pct na 1:

Pct aq 2:	45
Pct cm 2:	0
Pct na 2:	0
Pct maq 3:	90
Pct pcm 3:	0
Pct aq 4:	0
Pct cm 4:	0
Pct na 4:	0
Pct maq 5:	0
Pct pcm 5:	0
Pct aq 6:	0
Pct cm 6:	0
Pct na 6:	0
Pct maq 7:	0
Pct pcm 7:	0
Pct aq 8:	0
Pct cm 8:	0
Pct na 8:	0
Pct maq 9:	0
Pct pcm 9:	0
Pct aq 10:	0
Pct cm 10:	0
Pct na 10:	0
Pct maq 11:	0
Pct pcm 11:	0
Pct aq 12:	0
Pct cm 12:	0
Pct na 12:	0
Pct maq 13:	0
Pct pcm 13:	0
Within sec:	Υ

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Resul
			
49935	2/9/1999		1.5
49935	1/28/2002		1.5
49935	11/3/2008		1.6
49935	12/6/1999		1.6
49935	3/24/2001		1.5
49935	3/24/2001		1.4
49935	2/9/2000		1.4
49935	2/17/2007		1.4
49935	6/8/2006		1.3
49935	11/11/2002		1.3
49935	1/7/2002		1.3
49935	2/23/2004		1.3
49935	10/30/2001		1.2
49935	1/16/2009		1.3
49935	2/17/2000		1.2
49935	8/5/2002		1.2
49935	4/10/1998		1.1
49935	12/7/2000		1.1
49935	3/17/2001		1.1
49935	11/22/1999		1.1
49935	3/4/2006		1.1
49935	2/2/2008		1.1
49935	4/1/1994		1.0
49935	12/1/2003		1.0
49935	3/30/2002		1.0
49935	1/30/2002		1.0
49935	12/27/2002		1.0
49935	3/18/1999		1.0
49935	12/18/1995		1.0
49935	4/14/1994		1.9
49935	10/4/1994		1.9
49935	1/28/2002		1.9
49935	1/9/1999		1.8
49935	4/18/2002		1.8
49935	7/24/2009		1.9
49935	3/12/2001		1.8
49935	2/23/2004		1.8
49935	3/11/2004		1.7
49935	11/11/2002		1.6
49935	11/14/2001		1.6
49935	3/24/2006	<	0.3
49935	3/13/2004	<	0.3
49935	4/8/2004		0.5
49935	5/16/2006		0.5
49935	4/8/1996	<	0.3
49935	1/26/2004	<	0.3
49935			

AREA RADON INFORMATION

	4/23/2004		0.3
40005		<	0.3
49935	4/29/2004	<	0.3
49935	4/16/2004	<	0.3
49935	2/21/2006	<	0.3
49935	11/18/2002	<	0.3
49935	11/12/2002	<	0.3
49935	6/20/2000		0.5
49935	8/24/2002	<	0.3
49935	5/9/2005	<	0.3
49935	3/8/2002		0.4
49935	3/14/2003	<	0.3
49935	1/28/2002	<	0.3
49935	4/25/2002	<	0.3
49935	1/14/2006	<	0.3
49935	4/13/2006	<	0.3
49935	3/26/2002	<	0.3
49935	2/28/2002		0.5
	9/2/2002		0.8
49935			
49935	4/17/2004		0.6
49935	3/16/2004		0.8
49935	10/27/2001		0.9
49935	12/16/2002		0.9
49935	1/21/2002		0.9
49935	1/27/2006		0.8
49935	3/22/2004		0.9
49935	6/11/2008		8.0
49935	1/20/2005		0.9
49935	3/23/1995		0.7
49935	2/1/2008		0.9
49935	10/8/2009		0.7
49935	12/24/1999		0.9
49935	6/17/2000		0.9
49935	1/23/2001		0.9
49935	3/26/2001		0.9
49935	4/14/1994		0.5
49935	11/30/1993		0.6
49935	3/11/1994		0.5
49935	10/24/2002		0.5
49935	2/2/2008		2.5
49935	3/13/2008		2.5
49935	2/23/2004		2.5
49935	1/8/2002		2.4
49935	6/7/2008		2.4
49935			
	3/27/2008		2.3
49935	2/20/2008		2.2
49935	8/16/1997		2.3
49935	3/24/2001		2.2
49935	9/26/1996		2.2
49935	4/24/2004		2.3
49935	1/23/2007		3.0
49935	6/29/2006		3.0
49935	2/20/2006		3.0
49935	3/13/2003		2.6
49935	3/8/2001		3.0
49935	3/16/2004		2.7
49935	12/24/2003		2.7
49935			

AREA RADON INFORMATION

	10/16/2008		2.6
49935	3/19/2002		2.9
49935	6/29/2006		2.8
49935	1/29/2001		2.7
49935	2/5/2000		2.7
49935	6/29/2006		3.6
49935	2/9/2009	<	0.3
49935	1/30/2009		3.6
49935	3/17/1999		3.5
49935	2/1/1994		3.4
49935	12/31/1993		3.4
49935	3/1/2001		3.4
49935	7/30/2009		3.4
49935	2/11/2002		3.2
49935	11/19/1999	<	0.3
49935	4/22/2000	<	0.3
49935	1/30/2009	<	0.3
49935	2/6/2002		3.0
49935	3/22/2004		3.9
49935	2/12/2007		3.7
49935	3/24/2001		3.7
49935	11/6/2001		3.8
49935	3/5/2002		3.8
49935	2/2/2009		3.7
49935	5/29/2009	<	0.3
49935	9/26/2003		3.6
49935	3/24/2001		5.6
49935	6/29/2006		5.2
49935	3/18/2004		5.9
49935	2/13/1997		5.1
49935	2/16/2004		5.4
49935	3/24/2001		5.1
49935	3/25/1999		5.8
49935	11/4/1995		5.0
49935	2/8/2002		4.8
49935	3/18/2008		5.3
49935	1/14/2008		4.8
49935	4/17/2006		69.7
49935	4/17/2006		64.8
49935	4/17/2006		25.2
49935	10/26/2001		2.0
49935	1/24/2002		2.0
49935	1/16/2004		22.0
	3/19/2003		
49935			16.8
49935	8/15/2002		15.6
49935	8/2/1995		13.7
49935	11/3/2003		14.7
49935	6/19/2002		13.4
49935	5/23/2009		9.0
49935	7/26/2008		11.1
49935	3/24/2001		10.6
49935	2/12/2002		9.8
49935	2/5/2008		8.5
49935	3/2/1995		11.4
49935	3/12/2004		10.4
49935	2/26/2001		10.4
49935			

AREA RADON INFORMATION

	3/28/2001	38.9
49935	3/24/2001	20.6
49935	4/11/2000	2.1
49935	10/26/2007	25.8
49935	3/29/2001	18.9
49935	3/19/2007	4.0
49935	11/17/2000	4.0
49935	2/24/1995	4.6
49935	1/16/2003	4.1
49935	9/26/2005	4.5

Federal EPA Radon Zone for IRON County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 49935

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor Living Area - 2nd Floor	0.400 pCi/L Not Reported	100% Not Reported	0% Not Reported	0% Not Reported
Basement	3.717 pCi/L	75%	25%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

The data in this file was obtained from Wellogic, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogic contains approximately 425,000 water well records found within the State of Michigan, and although it represents the best available data, it cannot be considered a complete database of all the wells or well records in existence.

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Environmental Quality

Telephone: 517-241-1528

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551 Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by

Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENT AIR QUALITY DIVISION

ACTIVITY REPORT: Self Initiated Inspection

N2291	12207
NZZUI	13291

FACILITY: CAMP OTTAWA		SRN / ID: N2291	
LOCATION: 216 GENDRON RD. IRON RIVER		DISTRICT: Upper Peninsula	
CITY: IRON RIVER		COUNTY: IRON	
CONTACT:	The second secon	ACTIVITY DATE: 02/03/2011	
STAFF: Joel Asher COMPLIANCE STATUS: Compliance		SOURCE CLASS: MINOR	
SUBJECT: Wood boiler		*	
RESOLVED COMPLAINTS:	, i		

On 2/24/2011, I visited this facility. Camp Ottowa has been closed and is no longer housing inmates. The permit is still active and will not be voided until the boiler is removed from the facility.

This facility will not need to be revisited unless it is reopened and the boiler utilized.

	1121			
		7/2/2011		9
NAME	for Car	DATE	SUPERVISOR	

DEPAR I MENT OF ENVIRONMENTAL QUALITY AIR QUALITY DIVISION

ACTIVITY REPORT: Scheduled Inspection

N229103887 MI Rept of Condition	47 ¹⁰		
FACILITY: CAMP OTTOWA		SRN / ID: N2291	
LOCATION: 216 GENDRON RD		DISTRICT: Upper Peninsula	
CITY: IRON RIVER		COUNTY: IRON	
CONTACT:		ACTIVITY DATE: 09/09/2008	
STAFF: Ronald Raisanen	COMPLIANCE STATUS:	SOURCE CLASS: Minor	
SUBJECT:			
RESOLVED COMPLAINTS:			

Mr. Hemeleski was not available for the inspection of the wood fired boiler so a guard escorted me to the boiler room. The boiler was operating with about 5% opacity.

NAME	Royald	Ransonen	DATE 9/10/08	SUPERVIS
I A/ (IVIL		W	3/4/13	_

DEPARTMENT OF ENVIRONMENTAL QUALITY AIR QUALITY DIVISION

ACTIVITY REPORT: SELF-INITIATED INVESTIGATION

A-MA-01784

Page 1 (END OF REPORT)

FACILITY: MICH DEPT OF CORRECTIONS		SRN: N2291	
LOCATION: 216 GENDRON RD PO BOX 330		DISTRICT: MARQUETTE	
CITY: IRON RIVER		COUNTY: IRON CO	
CONTACT: MIKE HEMELESKI		ACTIVITY DATE: 01/10/2006	
REPORT DATE: 01/11/2006	STAFF: JEA	TRAVEL TIME: 4	
LEVEL OF INSPECTION: 2	FACILITY COMPLIANCE STATUS: C	TIME ON ACTIVITY: 4	
SOURCE CLASS:	[]NSPS []NESHAP []PSD []TOXIC []MACT	

REMARKS:

My contact for this unannounced inspection was Mr. Mike Hemeleski from the maintenance department for the prison.

Camp Ottowa is part of the Ojibwa Correctional Facility. They continue to operate their wood fired boiler. A complete wood processing operation is on the grounds. It appears to be a sawmill like operation that takes whole logs and cuts them down into fire wood.

The boiler is operated 12 months a year. It provides heat in the winter and hot water all year long. About once a month the boiler tubes are cleaned. According to Mr. Hemeleski there have been very few problems with the unit. In the eight years he has worked at the camp they have never overhauled the unit.

Opacity was well within permitted limits during this inspection. The cap that used to be on the stack has been removed. Mr. Hemeleski stated they will not be replacing that. They are now aware of their Air Use Permit #693-89 special condition #18 requiring their exhaust gases to be unobstructed.

No violations of the Air Pollution Control Rules were observed during this inspection.

STATUS CODES:	C=COMPLIANCE	NC=NONCOMPLIANCE	NO=NOT OPERATING	U=UNDETERMINED
NAME:	Joel & as		DATE: 1/11/06	SUPERVISOR: JAB



Michigan Department of Environmental Quality DE Air Quality Division

FACSIMILE COVER SHEET

To:	Joel asker
Company:	Joel asker Marquette - OEB - AQD
Phone:	
Fax:	906-346-4480
From:	Fam Blue
Phone:	(517) 373-7074 RECEIVED
Fax:	(517) JAN = 9 2006
E-Mail:	DEQ - Air Quality Dr
	DEQ - Air Quality Division
Date:	1-10-06
Pages:	(including this cover page)
Comments:	
Wasn't a think	file at all. House a good
day god!	Cam.
4 V 5	

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JAMES J BLANCHARD, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

STEVENS T. MASON BUILDING BOX 30028 LANSING, MI 48909

DAVID F. HALES, Director

December 7, 1989

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JAN - 9 2006

DEQ - Air Quality Division

Physical Plant Division Michigan Department of Corrections Grandview Plaza, P.O. Box 30003 Lansing, MI 48909

Mr. George Walter, Manager

Dear Mr. Walter:

This letter is in reference to your Permit to Install applications for four wood fired boilers, 1) located in Schoolcraft County, at the northeast corner of Pine and Maple, in Manistique, Michigan; 2) on Gendron Rd., five miles north of Iron River City and one mile west of Iron County Lake, in Iron County; 3) on Prison Camp Road, east of Camp Baraga, two miles from U.S. 41, in Baraga County; 4) in Houghton County, south of Highway 26, two miles southwest of Painesdale.

These applications, identified as Nos. 692-89, 693-89, 695-89, and 696-89, respectively, have been evaluated and approved by the Air Quality Division, pursuant to the delegation of authority from the Michigan Air Pollution Control Commission.

This approval is based upon and subject to compliance with all administrative rules of the Commission and conditions stipulated in the attached supplements. Please review these conditions thoroughly so that you may plan for and take the actions necessary to ensure compliance with all of these conditions. Also note that Condition No. 1 of each permit requires you to apply, in writing, for a permit to operate within 30 days after completion of construction.

You are advised that contaminants discharged to the surface waters and/or groundwaters; materials disposed of on land; hazardous waste storage, treatment, and disposal; and resource recovery facilities must be approved by other divisions of the Department of Natural Resources. Additionally, your plant environment must be in compliance with all applicable requirements of the Departments of Public Health and Labor.

Approval of these permits does not constitute a waiver by the State of Michigan of its right to bring appropriate legal action against the applicant for failing to obtain the required permits prior to the commencement of construction.

Furthermore, your Permit to Install application for the wood fired boiler located in Gogebic County, has been voided because of the lack of specific

Mr. George Walter December 7, 1989 Page 2

site. Please submit a new application, and reference the previous application identified as No. 694-89, when you select a specific site for the new correctional facility.

Thank you for your cooperation. Please contact me if you have any questions regarding these permits.

Sincerely,

Wilhemina McLemore, Engineer Combustion/Chemical Process Unit

Air Quality Division

517-373-7076

WM:qnb Enclosure cc: Ardon Toland

SUPPLEMENT TO PERMIT NO. 693-89

Physical Plant Division Iron County, Michigan

December 7, 1989

GENERAL CONDITIONS

- 1. Rule 208(2) Not more than 30 days after completion of the installation, Applicant shall apply, in writing, for a Permit to Operate. Completion of the installation is deemed to occur not later than commencement of a trial operation pursuant to Rule 201(4). Written application should be sent to: Chief, Permit Unit, Aix Quality Division, Department of Natural Resources, P.O. Box 30028, Lansing, Michigan 48909.
- 2. Rule 201(4) Trial operation of the equipment is permitted until the Michigan Air Pollution Control Commission acts upon the Permit to Operate. Operation of the equipment shall permanently cease upon denial of the Permit to Operate by the Commission.
- 3. Rule 208(3)(a) and (c) Applicant shall demonstrate compliance with all Commission rules and with all general and special conditions of this permit prior to issuance of the Permit to Operate.
- 4. Rule 201 Applicant shall not reconstruct, alter, modify, expand, or relocate this equipment unless plans, specifications, and an application for a Permit to Install are submitted to and approved by the Commission.
- 5. Rule 901 Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property.
- 6. Rule 208(3)(b) Operation of this equipment shall not interfere with the attainment or maintenance of the air quality standard for any air contaminant.
- Operation of this equipment shall not result in significant deterioration of air quality-
- 8. Rule 912 Applicant shall provide notification of any abnormal conditions or malfunction of process or control equipment covered by this application, resulting in emissions in violation of the Commission rules or of any permit conditions for more than two hours, to the District Supervisor. Such notice shall be made as soon as reasonably possible, but not later than 9:00 a.m. of the next working day. Applicant shall also, within 10 days, submit to the District Supervisor, a written detailed report, including probable causes, duration of violation, remedial action taken, and the steps which are being undertaken to prevent a reoccurrence.

Physical Plant Division Permit No. 693-89 Page 2 December 7, 1989

- Approval of this application does not exempt the Applicant from complying with any future regulations which may be promulgated under Act 348, P.A. 1965, as amended.
- 10. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
- 11. Act No. 53 Applicant shall notify any public utility of any excavation, tunneling and discharging of explosives or demolition of buildings which may affect said utility's facilities in accordance with Act 53 of the Public Acts of 1974, being sections 460.701 to 460.718 of the Michigan Compiled Laws and comply with each of the requirements of that Act.
- 12. The restrictions and conditions of this Permit to Install shall apply to any person or legal entity which now or shall hereafter own or operate the equipment for which this Permit to Install is issued. Any new owner or operator shall immediately notify the Chief of the Permit Unit, in writing, of such change in ownership or principal operator status of this equipment.
- 13. Rule 201(5) If the installation, reconstruction, relocation, or alteration of the equipment for which this permit has been approved has not commenced within, or has been interrupted for, 18 months, this permit shall become void unless otherwise authorized by the Commission.

SPECIAL CONDITIONS

- 14. Rule 331 The particulate emission from the boiler shall not exceed 0.50 pounds per 1,000 pounds of exhaust gases, corrected to 50% excess air.
- 15. Visible emissions from the boiler shall not exceed a 6-minute average of 20% opacity, except as specified in Rule 301(1)(a).
- 16. Rules 1001, 1003 and 1004 Verification of particulate emission rates from the boiler by testing, at owner's expense, in accordance with Commission requirements, may be required for operating approval. If a test is required, stack testing procedures and the location of stack testing ports must have prior approval by the District Supervisor. Air Quality Division, and results shall be submitted within 120 days of the written requirement for such verification.
- 17. The disposal of collected ash shall be performed in a manner which minimizes the introduction of air contaminants to the outer air.
- 18. The exhaust gases from the boiler shall be discharged unobstructed vertically upwards to the ambient air from a stack with a maximum diameter of 28 inches at an exit point not less than 19.5 feet above ground level.
- 19. Applicant shall not substitute any fuel for that described in this permit application which would result in an appreciable change in the quality or any appreciable increase in the quantity of the emission of an air contaminant without prior notification to and approval by the Air Quality Division.

STATE OF MICHIGAN

DEPARTMENT OF NATURAL RESOURCES AIR QUALITY DIVISION
P.O. BOX 30028
LANSING, MICHIGAN 48909

AIR USE PERMIT

APPLICATION

693-89

FOR AUTHORITY TO INSTALL, CONSTRUCT, RECONSTRUCT, RELOCATE, OR ALTER, AND OPERATE PROCESS, FUEL-BURNING, OR REFUSE-BURNING EQUIPMENT AND/OR CONTROL EQUIPMENT (PERMITS TO INSTALL AND OPERATE ARE REQUIRED

JUNEAU DIVISIO

SUC 4 (11000)

BY ADMINISTRATIV	E RULES PURSUANT TO ACT 34	В, Р.А. 1965, A	S AMENDED).	(A) (4 T A) (AQA
1. APPLICANT; Business License Name of Corporation, Former	rahlo, Individual Owner, Government Agency			CONTRACTOR OF CASCADO
Michigan Department of Corrects			250	PERMIT SECTION
2. MAILING ADDRESS; Number and Street; City or Villaga; S	rato; Zip Gode	•		
P. O. Box 30003 - Lansing, MI	48909		A 41 11 1911	ZIP CODE
3. EQUIPMENT OR PROCESS LOCATION: Number and Street;	City, Village or Township		Iron	ZIF BODE
See Item #5			TIGHT	
4. GENERAL NATURE OF RUSINESS:	2 9		16	*8
Construction of correctional fa	icitica			
5 EQUIPMENT OF PROCESS DESCRIPTION:				
The Department of Corrections i	ntends to construct a	new correct:	ional facili	ty in Iron
Country on Candwon Dond anning	mately five miles nort	h or the Li	CA OI TLOW W	TAGE WHO OHE
adda wash of Iron County Lake.	Part of the correction	nal program	13 IOL LIIMA	COO CO HOY ACOC
wood to be used to fuel a 3.700	0.000 BTU boiler used t	o hear the t	SATTATIVE STICK	HOMESCIC
water. The fuel (6' long, dry,	hardwood logs) will b	e fed by hat	nd by inmate:	5.
		3		500
* ::				
	#			
	Ξ	.:		
6. ESTIMATED COST:	. ; Total Project \$ 4	.500.000		N 1996
Air Poliution Control Equipment \$ 0		ESTIMATED STARTING DATE	(ESTIMATED
TO A COMPANY OF THE C				11/15/90
x installation, construction, reconstruction, or alternation	9	/15/89	-	.14/15/54
_				
Relocation	-		 	
			<u></u>	
Change of Ownership 6. NAME OF PRIOR OWNER AS IN 17EM 1 AROVE, AND PRI	OR AIR USE PERMIT NUMBER IF ANY	* · · · · · · · · · · · · · · · · · · ·		
	DI AIN DOC 1 CHAIN HONDON, II 3 MIN		PERMIT NO.	
9 NAME AND TITLE OF OWNER OR AUTHORIZED MEMBER	OF FIRM	1,1	100	,
Name George Walter, Manager	Signator	Moule	(Saller)	·
Physical Plant Division		-		
1970 at the grant of the control of	Date: 7/11/89	Pnane I	vo. (517) 3	7.3-4471.
10. CONTACT PERSON IF DIFFERENT THAN ITEM 9:	Control of the second			
Name		Phone I	10, (
11. DISPOSITION OF APPLICATION.	FOR DNR USE ONLY			
Becalot of Bil Information	D1 10 1 8 1	1 .	8 MAT 11	
Receipt of all information required by Rule 203	FO 7 1000	Wale.	of Illele	л .
Permit to Install approved on	EC 7 1989	Signatura / Co.		
Permit to apperate approved 4 on		Signature		to by .
Estimit of also or aldinasas an		Signature		41.
Application/permit volded on —				
Application/parmit denied on		\$ignature		

PERMIT EVALUATION SHEET

Application No. W. L.	WMD notified? (Yes) No
FINON- DATE	SWQ notified? Yes No
Const. Commenced? (Yes (Reg. Egr. notified) No	NESHAPS? Yes (Coord. notified) No
NSPS? Yes (Coord notified) No. 9/15/89) (Covered by Permit No.
Source Description (Installation date 9/15/89	
3,700,000 BTU wood-fired bo	iler

Control Description

None

Attainment Status	T5P	SO2	CO	03
Attainment	A	A.	A	U
Non Attainment				

S - Secondary U - Unclassified P - Primary A - All Standards * Close to Non attainment

	Plant '	Totals (TP	Υ)		Equipment cov			red by this permit Allowable		
	Potential	O Pot. (5 years)	Allawed) 12-21-76	Uncon. PPH	PPH	ected TPY	PPH	TPY	Limit.	
T5P				2.4	2.4	10.5	2.7	11.8	<u>0.50 ±</u>	
502				Nil	Nil	NII.		<u> </u>		
CO										
NO,						1.(;-		1	1	
VOC					- 3/-	1 1	 		70	
					 			-	-	
			1	1	1		1	- J. M.S.	****	

Basis for Recommendation; Comments

Expected TSP emissions are within allowable TSP emissione lim

Production Rate Normal Operating Maximum Allowa Fuel type Wood.	g Schedule [] Cons	Normalidential Hours/Day & LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL	Days/Wk	1,352 941 370/h Wks/Year 52 Wks/Yr 52 % Ash
NA		- Conditions		·
Process/Control	Waste and Disposal _	Landfill		
Stack Ht Stack P Stack P	No Comments:	Insignificant		
Emission Calcul	ate = 3,700,00	DO BTU/HR (OUTP	od) = 4,352,941	BTU/HR
TSP Allowed:	- 4,352,941 BTUX HR	7.5 # air x 1.5	$(50\% \text{ xs air}) + \frac{4,3\%}{8,0}$	52,941 BTU/AR X 0.5
	2.7 #/hc	11.8 T/Vr.		

Expected: 4,352,941 BTU/HR = 544.1 #/hr, 2000 #/ton

(27 +00/1 N/Ric 16/10 Femission factor from AP-42]) = 2.4 #/hr, in

DEPARTMENT OF NATURAL RESOURCES AIR QUALITY DIVISION P.O. BOX 30028 LANSING, MICHIGAN 48909

AIR USE PERMIT APPLICATION



FOR AUTHORITY TO INSTALL, CONSTRUCT, RECONSTRUCT, RELOCATE, OR ALTER, AND OPERATE PROCESS, FUEL-BURNING, OR REFUSE-BURNING EQUIPMENT AND/OR CONTROL EQUIPMENT (PERMITS TO INSTALL AND OPERATE ARE REQUIRED BY ADMINISTRATIVE BUILES PURSUANT TO ACT 249 BA 1005 AC AMENDED

LUUALITY DIVISIC.

ALLO I A TOOD

y BT ADMINISTR	ATIVE RULES PURSUANT TO AC	1 040, 1.A. 1000, AO AME	MDED). MUG 1 0 1383
1. APPLICANT: Business License Name of Corporation,	Partnership, Individual Owner, Government A	gency	
Michigan Department of Corre	ections		PERMIT SECTION
2. MAILING ADDRESS: Number and Street; City or Villa	age; State; Zip Code	11.0	
P. O. Box 30003 - Lansing, 1	4I 48909		& x
3. EQUIPMENT OR PROCESS LOCATION: Number and	Street; City, Village or Township	COUNTY	ZIP CODE
See Item #5	*	Ir	on
4. GENERAL NATURE OF BUSINESS:		=	•
Construction of correctional	l facility	Na ₁₁	
5. EQUIPMENT OR PROCESS DESCRIPTION:		Mag 0 90	The Control of the Co
		A eq. (a)	× 11
The Department of Correction	ns intends to construct	t a new correctional	facility in Iron
County on Gendron Road, appr			
mile west of Iron County Lal			
wood to be used to fuel a 3	,700,000 BTU boiler use	ed to heat the build	ing and domestic
water. The fuel (6' long,	dry, hardwood logs) wil	ll be fed by hand by	inmates.
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	= 161	2 8 9	- 4
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C FOTHATED COOT			
6. ESTIMATED COST:	Tatal Basics	500 000	100
Air Pollution Control Equipment \$ 0	; Total Projec	st \$ 4,500,000	FSTIMATED
	; Total Projec	et \$ 4,500,000 ESTIMATED STARTING DATE	ESTIMATED COMPLETION DATE
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Air Pollution Control Equipment \$ 0 7. ACTION AND TIMING:		ESTIMATED STARTING DATE	X X 9 5 5
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PERMIT EVALUATION SHEET

Application No. 693-89	WMD notified? Yes No
E.I. No. N-2291	SWQ notified? Yes No
Const. Commenced? (Yes (Reg. Egr. notified) No	Other ERD
NSPS? Ves (Coord potified) No	NESHAPS? Yes (Coord. notified) No
Source Description (Installation date 9/15/89) (Covered by Permit No
3,700,000 BTU wood-fired bo	ile C

Control Description

None

Attainment Status	TSP	SO ₂	CO	03
Attainment	A	A"	A	V
Non Attainment				

P - Primary S - Secondary A - All Standards U - Unclassified

* Close to Non attainment

	Plant Totals (TPY)			Equipment covered by this permit					
	Potential	(5 years)	Allowed) 12-21-76	Uncon. PPH	Exp PPH	ected TPY	Allow PPH	able TPY	Limit-
TSP				2.4	2.4	10.5	2.7	111.8	0.50± 1000±
502	A THE STATE OF THE			Nil	N:1	N:1			
СО				1					
NOx									
VOC				V	11	W			

Basis for Recommendation; Comments

Expected TSP emissions are within allowable TSP emissions limits

EOP? Yes (No)

Emissions Logged? Yes No

PSD? Yes No

PCDS? (es) No?

Daviewed by 21/ M f

Production Rate Confidential Normal	Maximum	4,352 941 BTU/hr
Normal Operating Schedule Confidential Hours/I	Day 24 Days/Wk 7	Wks/Year 52
Maximum Allowable Operating Schedule Hours/Day 2		
Fuel type Usage Heat Content Suppose Styles		% Ash
· Collector Bypass Yes No Reasons - Conditions		
N/A		
	1	
Process/Control Waste and Disposal Land fill		
Stack, Building & Dispersion Paramaters Stack Ht = 191-611 Stack $\phi = 2811$ Dispersion Yes (No) Comments: Insignifican	.t Source_	
	4 1	
Input Rate = 3,700,000 BTU/HR (on 0.85	utpul) = 4,352,941	BTU/HR
TSP		
Allowed: [4,352,941 BTU x 7.5 # air x	1.5 (50% xs air) $+\frac{4,35}{8,00}$	0.50#7 00 BTU X 1000#
= 2.7 #/hr, 11.8 T/yr.		
*pected: 4,352,941 BTU/HZ = 544.1	#/hr, 544.1#/	hr = .27 T/hr,

(127 ton/hr) x(8.8 16/ton [emission factor from AP-42]) = 2.4 #/hr, 10.5

SUPPLEMENT TO PERMIT NO. 693-89

Physical Plant Division Iron County, Michigan

December 7, 1989

GENERAL CONDITIONS

- Rule 208(2) Not more than 30 days after completion of the installation, Applicant shall apply, in writing, for a Permit to Operate. Completion of the installation is deemed to occur not later than commencement of a trial operation pursuant to Rule 201(4). Written application should be sent to: Chief, Permit Unit, Air Quality Division, Department of Natural Resources, P.O. Box 30028, Lansing, Michigan 48909.
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Physical Plant Division Permit No. 693-89 Page 2 December 7, 1989

- 9. Approval of this application does not exempt the Applicant from complying with any future regulations which may be promulgated under Act 348, P.A. 1965, as amended.
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- 18. The exhaust gases from the boiler shall be discharged unobstructed vertically upwards to the ambient air from a stack with a maximum diameter of 28 inches at an exit point not less than 19.5 feet above ground level.
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MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY AIR QUALITY DIVISION

PERMIT EVALUATION FORM

10/19/04

APPLICATION NO. YR.Suf.Sup# Permit_Rvv	wr D. SHAH
APPLICANT NAME MI DEPT. OF CORRECTIONS State Reg. No. N2291 (New No. request date) / /	
Site Owner: Co. Location of Source:	Contact (0) - 0
IRON RIVER MI 0	0
County IRON County No.36 District	7 Temp Site F Soil Remed F
Site Comments:	
REASON FOR APPLICATION WOOD FIRED BOILER	
INSTALLATION DATE: PROCESS EQUIPMENT / / CO	ONTROL EQUIPMENT / /
RELATED PERMIT(S)	DIDS
POLLUTANTS NETTED OUT FROM PSD REVIEW	
STATE/FED. AIR REG'S SOURCE IS SUBJECT TO? NSPS F, 1	NESHAPs F, PSD F, Act 64 F
SIP Rule No.(s) Other	
OPT-OUT? F ENFORCEMENT? F	
EPA NOTIFICATION REQUIRED? F DATE INFO SENT	TO EPA? / /
OFFSETS PROVIDED? F IF YES, HOW MUCH AND FROM WE	IERE?
App_recvd 08/10/89 Log_date 08/29/89 Screened Assigned / / TecDetrmn / / Tec_Cmplt 10	/
PTI_Aprvd 12/07/89 PTI_Denied / / PTI_Void Total_days 120 Complete_days 57 Eval_days 6	/ / PTI_Revokd / /
Pmt_ToTox / / Pmt_FrTox / / PmtToMod Add_Info1 / / Co_Rspons1 / / Add_Info2 Draft_Pmt / / Co_Accept / / Scr_Letter	/
Reviewed By:	Date:
Approved By:	Date:

PERMIT NO. YR.Suf.Sup#

693 89

PERMIT No. Yr.Suf.Sup. ESTAB No. 693 89 0 N2291

DESCRIPTION OF SOURCE & RELATED CONTROL EQUIP./TECHNOLOGY

DESCRIPTION OF ANY REQUIRED MONITORING: (CEMS, PROCESS, CONTROL EQUIP.)

CONTROL EQUIPMENT BYPASS, IF ANY, & REASON WHEN BYPASS OCCURS:

PROCESS/CONTROL WASTE AND DISPOSAL

GENERAL COMMENTS

BASIS FOR RECOMMENDATION:

STATE OF MICHIGAN

WARREN DELLIES

AIR POLLUTION CONTROL COMMISSION LEE E. JAGER, CHAIRMAN RUSSEL E. GOSSMAN ALAN M. GREENBERG

Indon delana

RICHARD E. HONICKY, M.D. NICHOLAS C. KACHMAN CHRISTINE LIETZAU FRANK P. PARTEE DELBERT RECTOR JAN WILSON

KATHRYN WURZEL

1



NATURAL RESOURCES COMMISSION THOMAS J. ANDERSON MARLENE J. FLUHARTY GORDON E. GUYER KERRY KAMMER STEWART MYERS DAVID D. OLSON RAYMOND POUPORE

JAMES J. BLANCHARD, Governor

DEPARTMENT OF NATURAL RESOURCES

STEVENS T. MASON BUILDING BOX 30028 LANSING, MI 48909

DAVID F. HALES, Director

December 7, 1989

Mr. George Walter, Manager Physical Plant Division Michigan Department of Corrections Grandview Plaza, P.O. Box 30003 Lansing, MI 48909

Dear Mr. Walter:

This letter is in reference to your Permit to Install applications for four wood fired boilers, 1) located in Schoolcraft County, at the northeast corner of Pine and Maple, in Manistique, Michigan; 2) on Gendron Rd., five miles north of Iron River City and one mile west of Iron County Lake, in Iron County; 3) on Prison Camp Road, east of Camp Baraga, two miles from U.S. 41, in Baraga County; 4) in Houghton County, south of Highway 26, two miles southwest of Painesdale.

These applications, identified as Nos. 692-89, 693-89, 695-89, and 696-89, respectively, have been evaluated and approved by the Air Quality Division, pursuant to the delegation of authority from the Michigan Air Pollution Control Commission.

This approval is based upon and subject to compliance with all administrative rules of the Commission and conditions stipulated in the attached supplements. Please review these conditions thoroughly so that you may plan for and take the actions necessary to ensure compliance with all of these conditions. Also note that Condition No. 1 of each permit requires you to apply, in writing, for a permit to operate within 30 days after completion of construction.

You are advised that contaminants discharged to the surface waters and/or groundwaters; materials disposed of on land; hazardous waste storage, treatment, and disposal; and resource recovery facilities must be approved by other divisions of the Department of Natural Resources. Additionally, your plant environment must be in compliance with all applicable requirements of the Departments of Public Health and Labor.

Approval of these permits does not constitute a waiver by the State of Michigan of its right to bring appropriate legal action against the applicant for failing to obtain the required permits prior to the commencement of construction.

Furthermore, your Permit to Install application for the wood fired boiler located in Gogebic County, has been voided because of the lack of specific Mr. George Walter December 7, 1989 Page 2

site. Please submit a new application, and reference the previous application identified as No. 694-89, when you select a specific site for the new correctional facility.

Thank you for your cooperation. Please contact me if you have any questions regarding these permits.

Sincerely,

Wilhemina McLemore, Engineer

Combustion/Chemical Process Unit Air Quality Division

517-373-7076

WM:qnb Enclosure

1)

Appendix E

Historical Documentation



Camp Ottawa Correctional Facility

216 Gendron Road Iron River, MI 49935

Inquiry Number: 5193093.9

February 21, 2018

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

02/21/18

Site Name: Client Name:

Camp Ottawa Correctional Fac

216 Gendron Road Iron River, MI 49935 EDR Inquiry # 5193093.9 TriMedia

830 W. Washington Street Marquette, MI 49855 Contact: Maura Pliska



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	Source
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1992	1"=500'	Acquisition Date: May 19, 1992	USGS/DOQQ
1983	1"=500'	Flight Date: January 01, 1983	USGS
1975	1"=500'	Flight Date: January 01, 1975	USGS
1964	1"=500'	Flight Date: January 01, 1964	USGS
1954	1"=500'	Flight Date: January 01, 1954	USGS
1952	1"=500'	Flight Date: October 21, 1952	USGS
1943	1"=500'	Flight Date: January 01, 1943	USGS

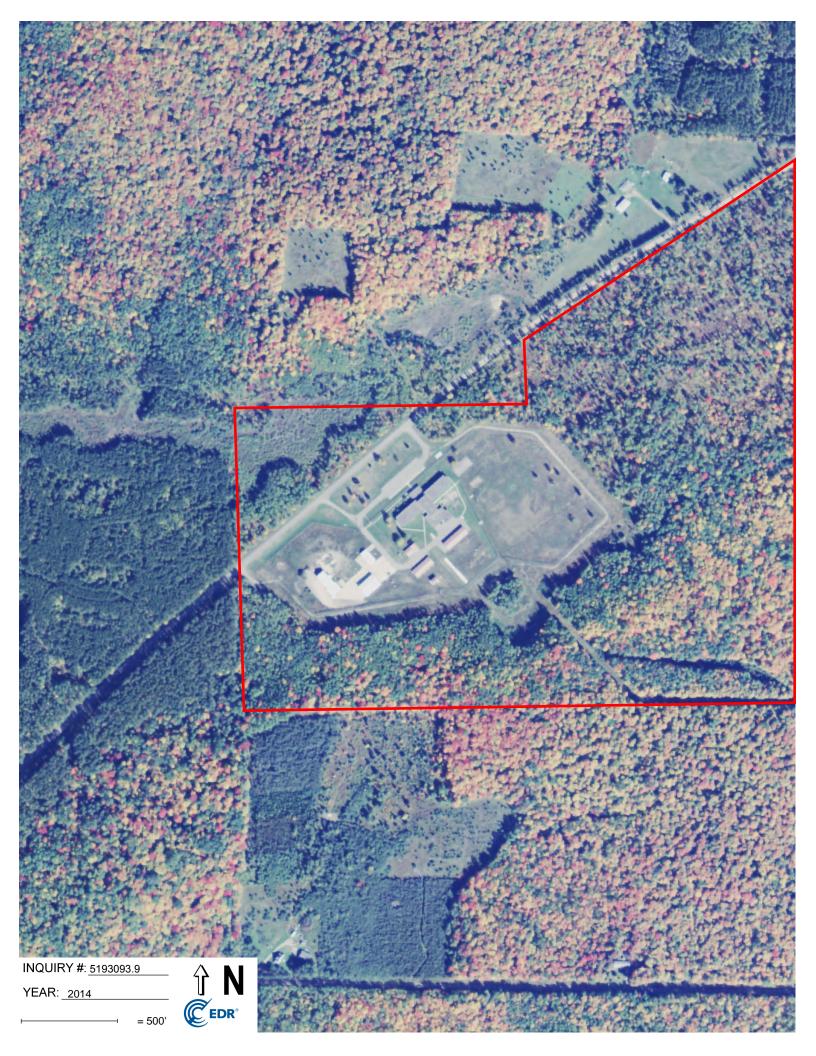
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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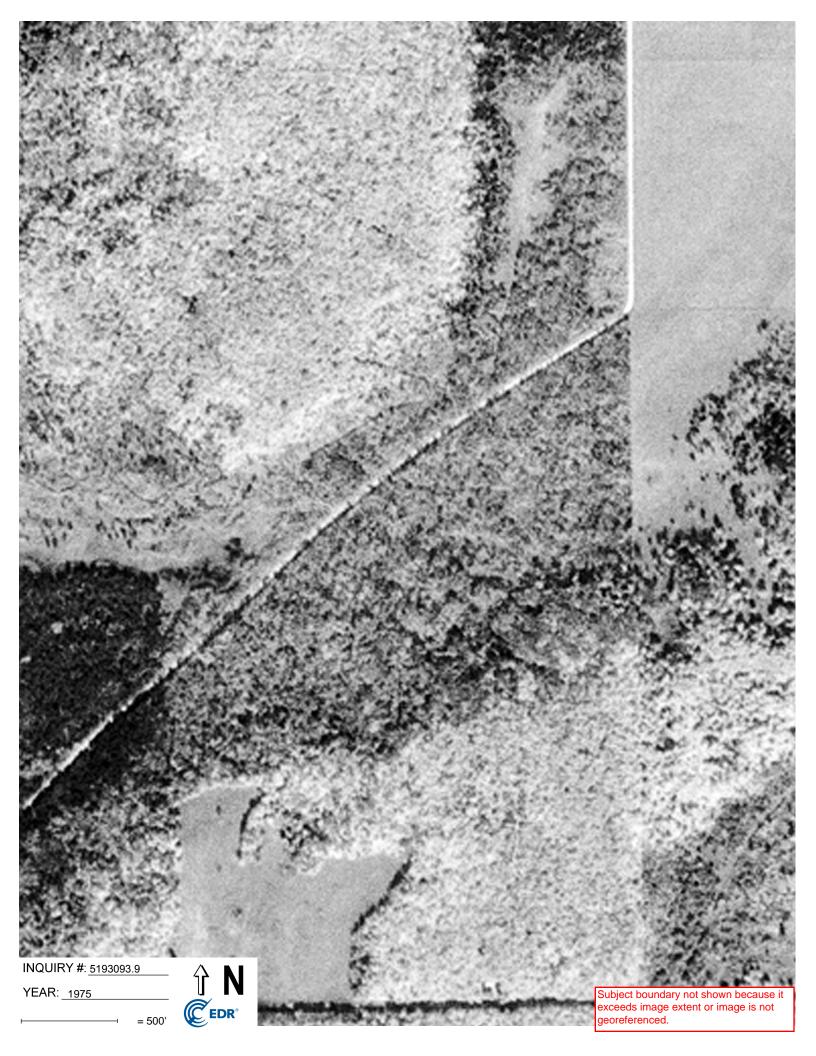






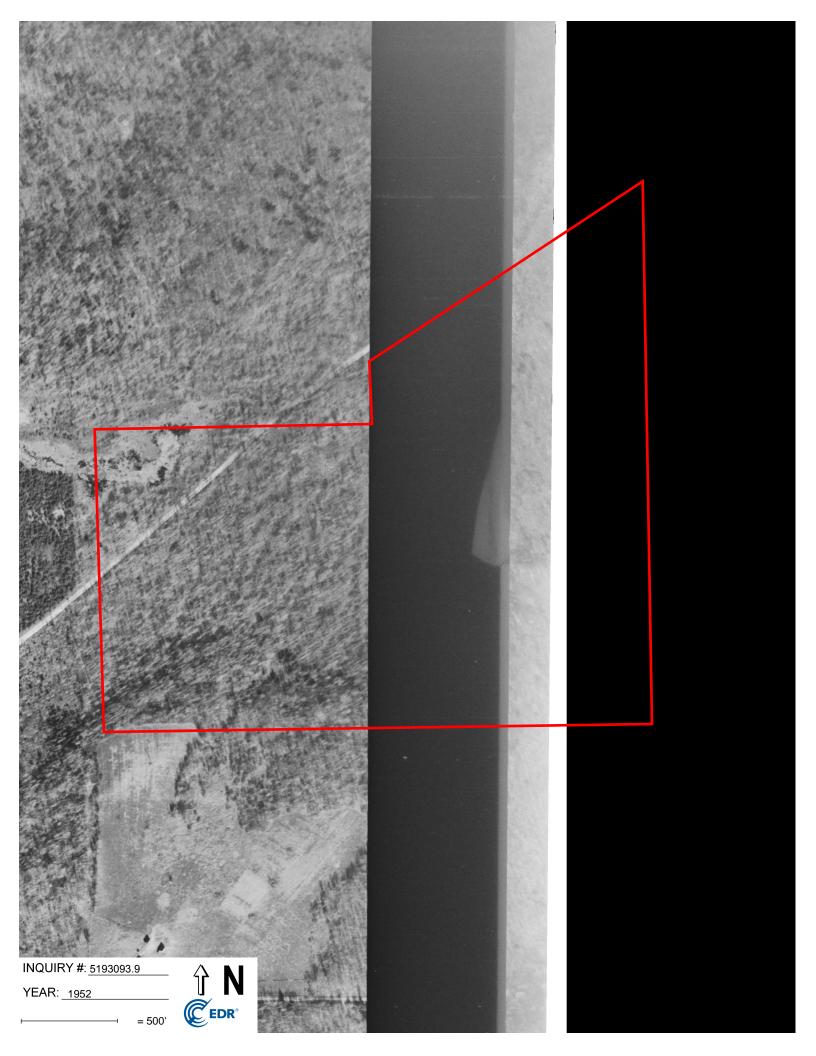














Camp Ottawa Correctional Facility 216 Gendron Road Iron River, MI 49935

Inquiry Number: 5193093.4

February 20, 2018

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

02/20/18

Site Name: Client Name:

Camp Ottawa Correctional Fac 216 Gendron Road Iron River, MI 49935

EDR Inquiry # 5193093.4

830 W. Washington Street Marquette, MI 49855 Contact: Maura Pliska

TriMedia



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by TriMedia were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		Coordinates:	
P.O.#	NA	Latitude:	46.15111 46° 9' 4" North
Project:	2018-038	Longitude:	-88.676296 -88° 40' 35" West
		UTM Zone:	Zone 16 North
		UTM X Meters:	370555.03
		UTM Y Meters:	5112202.85
		Elevation:	1546.99' above sea level

Maps Provided:

2014 1999

1975

1946

1945

1898

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2014 Source Sheets



Gibbs City 2014 7.5-minute, 24000

1999 Source Sheets



Gibbs City 1999 7.5-minute, 24000 Aerial Photo Revised 1999

1975 Source Sheets



Gibbs City 1975 7.5-minute, 24000 Aerial Photo Revised 1975

1946 Source Sheets



Gibbs City 1946 7.5-minute, 31680

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1945 Source Sheets

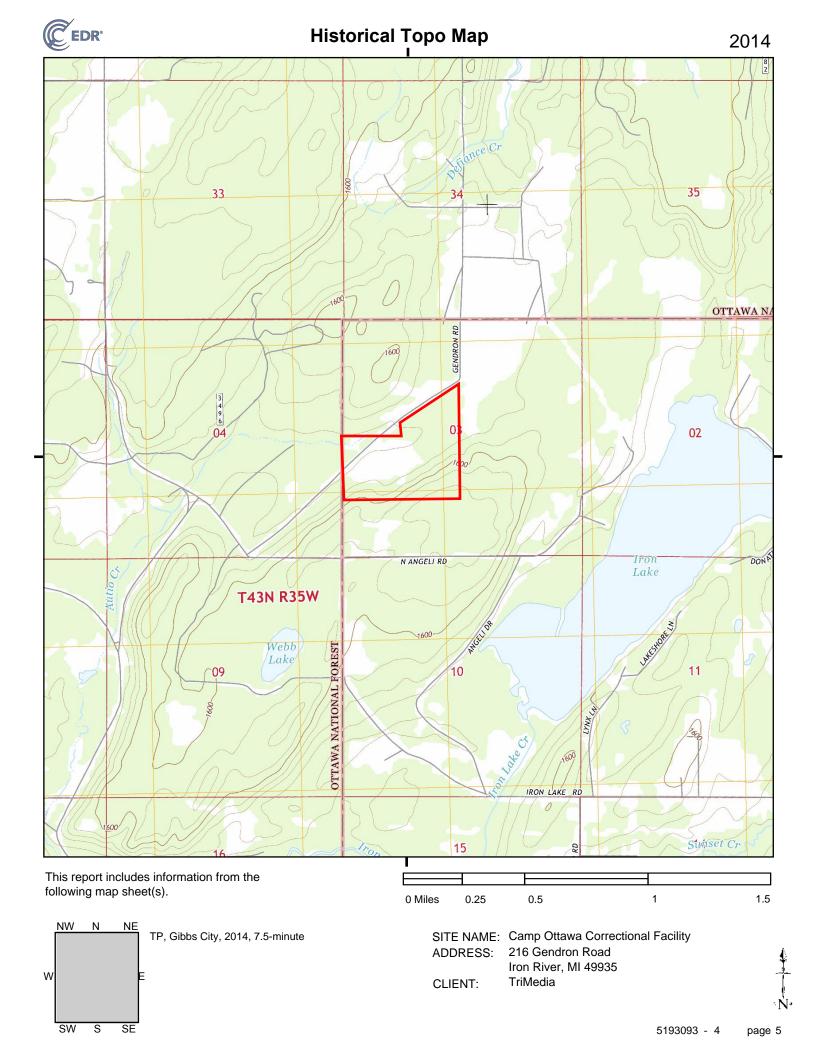


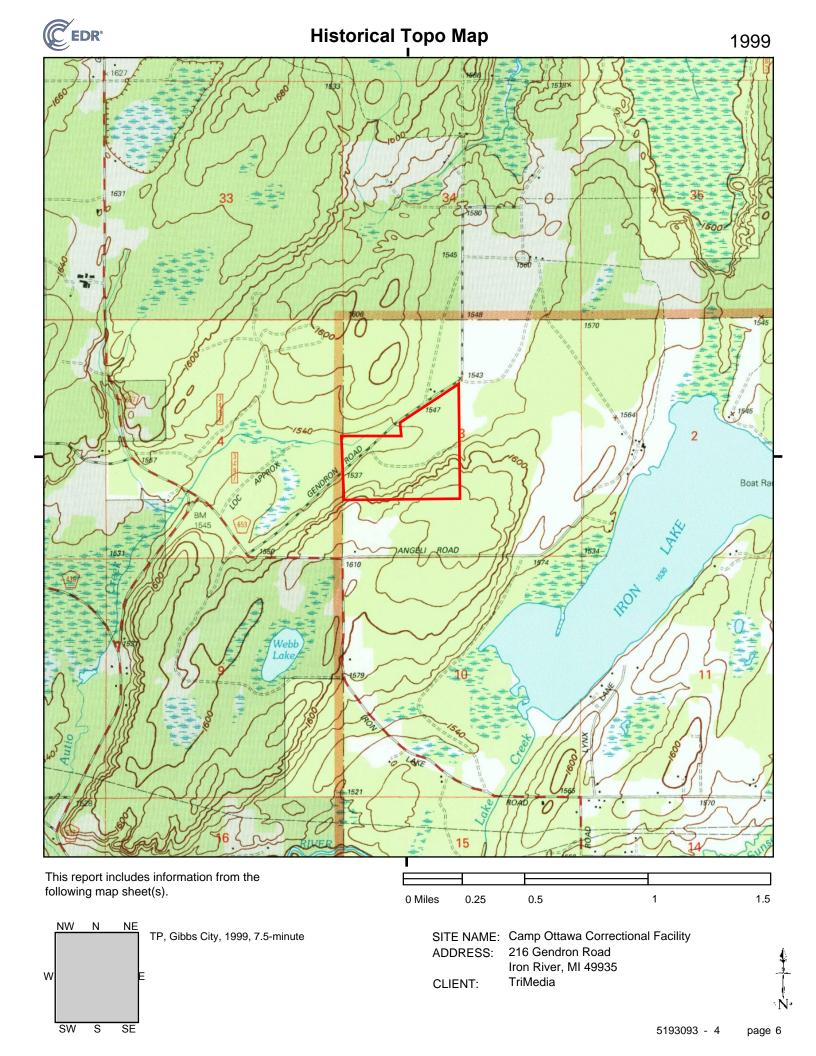
Gibbs City 1945 7.5-minute, 24000

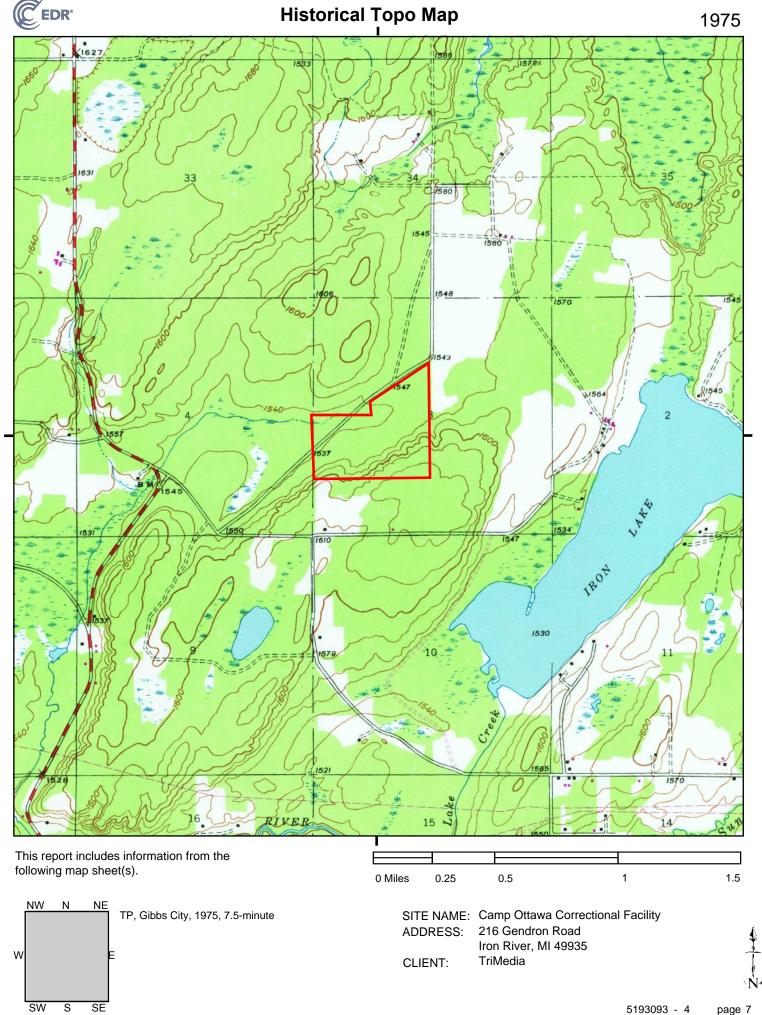
1898 Source Sheets

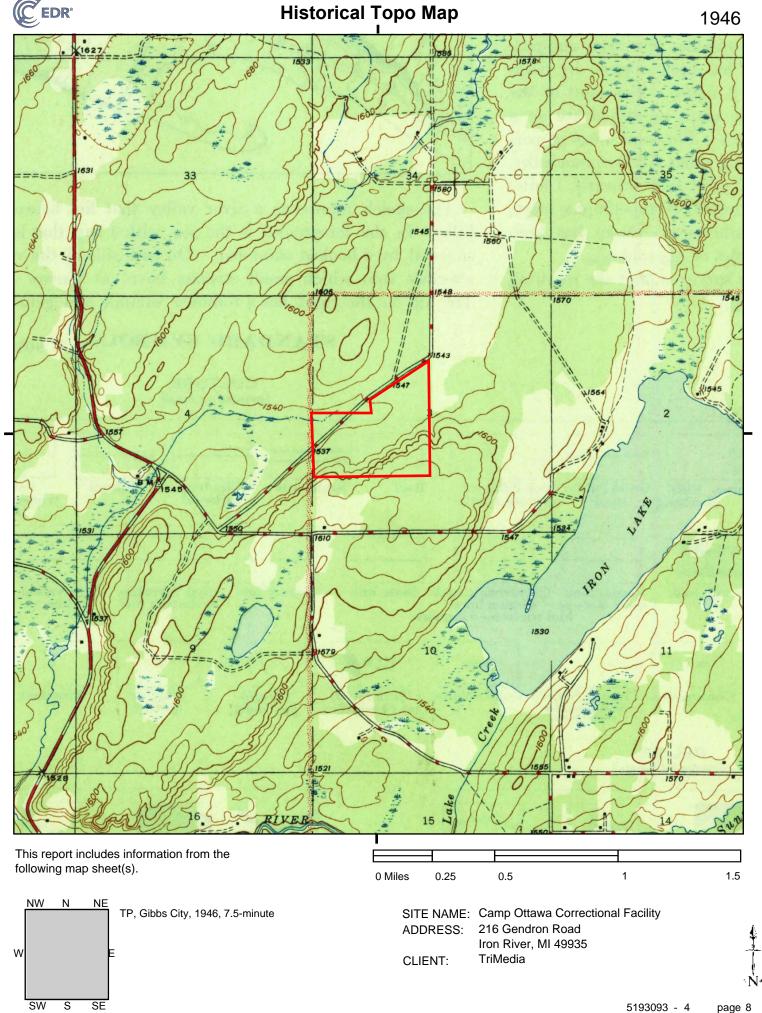


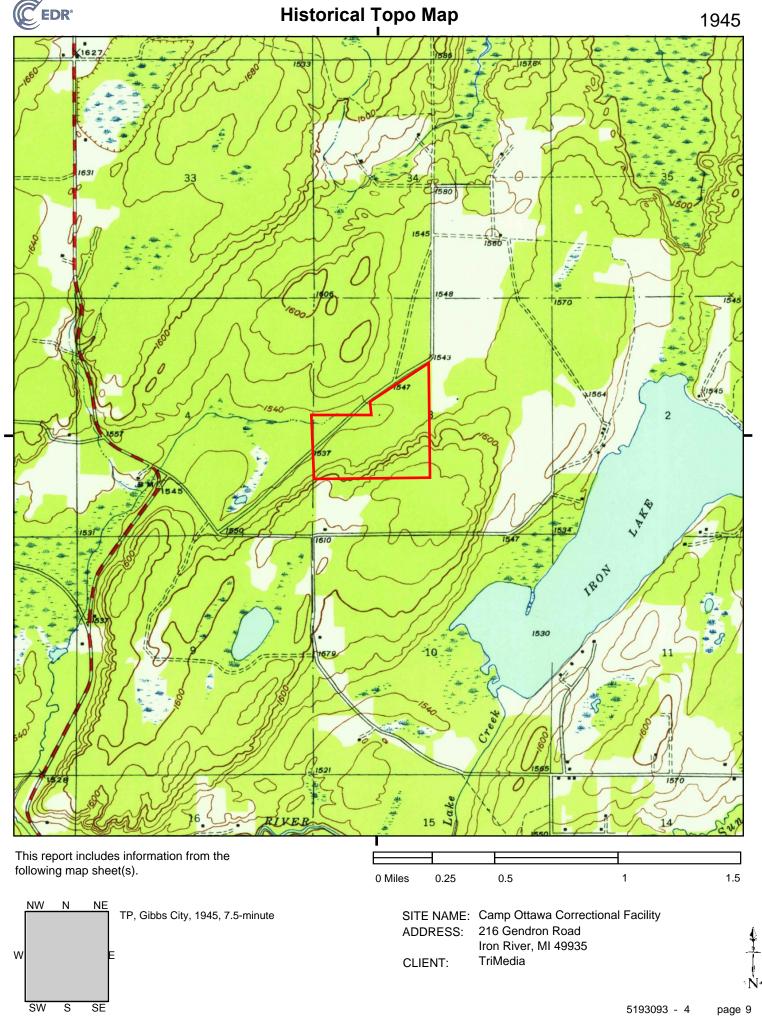
Iron River 1898 15-minute, 62500

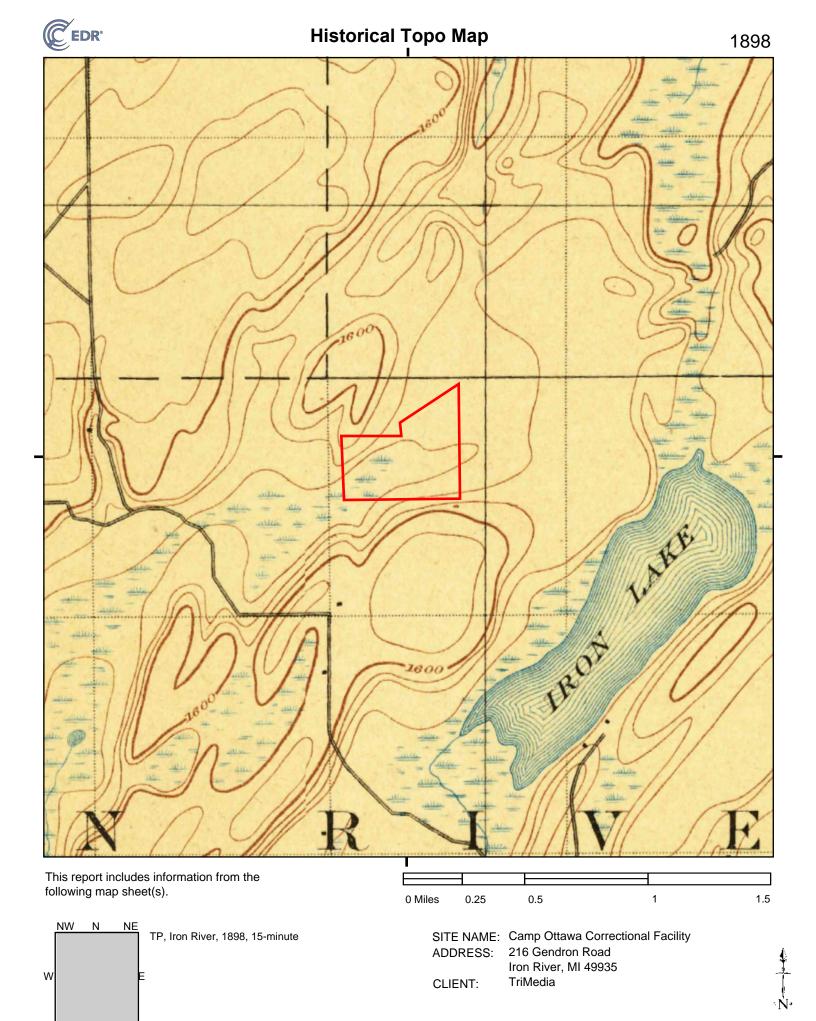












Camp Ottawa Correctional Facility

216 Gendron Road Iron River, MI 49935

Inquiry Number: 5193093.5

February 22, 2018

The EDR-City Directory Image Report



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Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2013	$\overline{\checkmark}$		Cole Information Services
2008	$\overline{\checkmark}$		Cole Information Services
2003	$\overline{\square}$		Cole Information Services
1999	abla		Cole Information Services
1995			Cole Information Services
1992	$\overline{\checkmark}$		Cole Information Services

FINDINGS

TARGET PROPERTY STREET

216 Gendron Road Iron River, MI 49935

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
GENDRON	RD	
2013	pg A1	Cole Information Services
2008	pg A2	Cole Information Services
2003	pg A3	Cole Information Services
1999	pg A4	Cole Information Services
1995	pg A5	Cole Information Services
1992	pg A6	Cole Information Services

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FINDINGS

CROSS STREETS

No Cross Streets Identified

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Target Street	Cross Street	<u>Source</u>
✓	-	Cole Information Services

267	ROBERT MARKS

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - Cole Information Services

216	CAMP OTTAWA MICHIGAN DEPT CORRECTIONS
267	ROBERT MARKS

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - Cole Information Services

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - Cole Information Services

216 267	MICHIGAN STATE OF ROBERT MARKS

Target Street	Cross Street	<u>Source</u>
✓	-	Cole Information Service

216	CORRECTIONS DEPARTMENT

Target Street	Cross Street	<u>Source</u>
✓	-	Cole Information Service

267	ASHLEY, GARY

Camp Ottawa Correctional Facility 216 Gendron Road Iron River, MI 49935

Inquiry Number: 5193093.3

February 20, 2018

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

02/20/18

Site Name: Client Name:

Camp Ottawa Correctional Fac TriMedia

216 Gendron Road 830 W. Washington Street Iron River, MI 49935 Marquette, MI 49855 EDR Inquiry # 5193093.3 Contact: Maura Pliska



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # FF19-4834-A500

PO# NA

Proiect 2018-038

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: FF19-4834-A500

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

✓ Library of Congress

University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

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