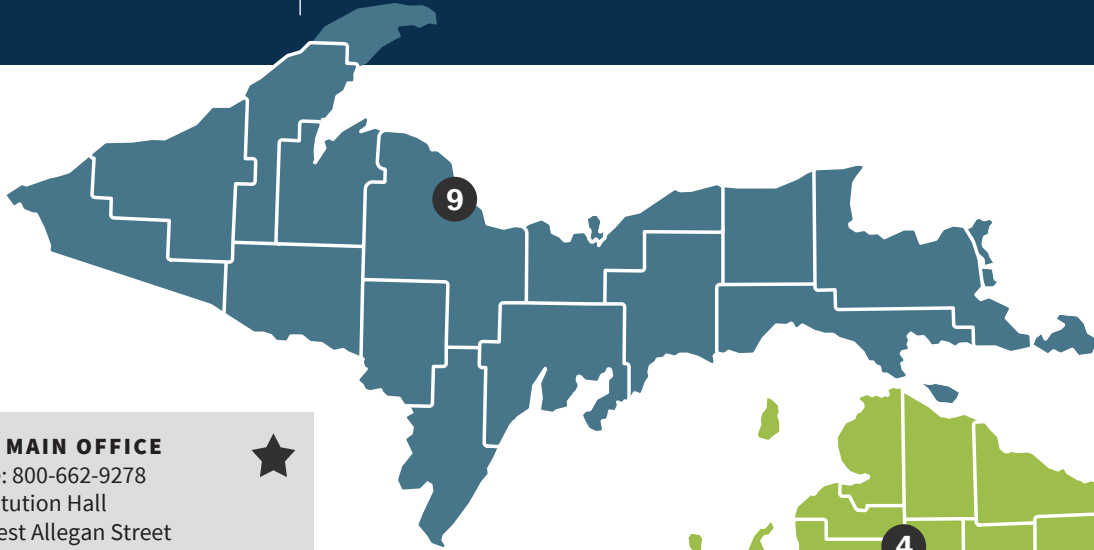


## APPENDIX F: COMMERCIAL/INDUSTRIAL EDUCATION RESOURCES

The documents in this section were compiled during the 2023 SWIPP update process or provided by local municipal stakeholders. This section includes valuable commercial and industrial education flyers and brochures from various sources. It is intended for use among municipal partners as a resource for voluntary commercial and industrial owner education. It is also intended for the public as a repository of useful information and was included in the SWIPP draft review.

## Hazardous Waste and Liquid Industrial By-products Program



### EGLE MAIN OFFICE

Phone: 800-662-9278  
Constitution Hall  
525 West Allegan Street  
P.O. Box 30457, Lansing, MI 48909



1

### BAY CITY DISTRICT OFFICE

Phone: 989-894-6200 | Fax: 989-891-9237  
401 Ketchum Street, Suite B, Bay City, MI 48708

2

### CADILLAC DISTRICT OFFICE

Phone: 231-775-3960 | Fax: 231-775-4050  
120 West Chapin Street, Cadillac, MI 49601

3

### DETROIT DISTRICT OFFICE

Phone: 313-456-4700 | Fax: 313-452-4692  
43058 W. Grand Boulevard, Suite 2-300, Detroit, MI 48202

4

### GAYLORD DISTRICT OFFICE

Phone: 989-701-9920 | Fax: 989-731-6181  
2100 @est M-32, Gaylord, MI, 49735

5

### GRAND RAPIDS DISTRICT OFFICE

Phone: 616-356-0500 | Fax: 616-356-0202  
350 Ottawa Avenue, NW, Unit 10, Grand Rapids, MI 49503

6

### JACKSON DISTRICT OFFICE

Phone: 517-780-7690 | Fax: 517-780-7855  
301 East Louis Glick Highway, Jackson, MI 49201

7

### KALAMAZOO DISTRICT OFFICE

Phone: 269-567-3500 | Fax: 269-567-9440  
7953 Adobe Road, Kalamazoo, MI 49009

8

### LANSING DISTRICT OFFICE

Phone: 517-284-6651 | Fax: 517-241-3571  
Constitution Hall, 1st Floor, South Tower  
525 West Allegan Street, Lansing, MI 48933

9

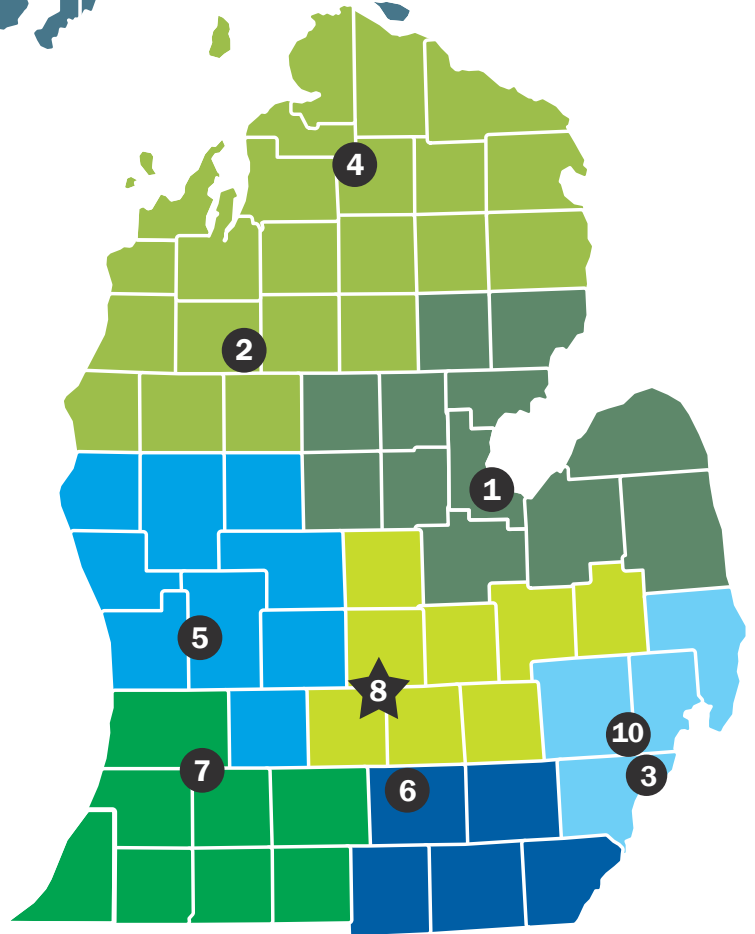
### MARQUETTE DISTRICT OFFICE

Phone: 906-228-4853 | Fax: 906-228-4940  
1504 West Washington Street, Marquette, MI 49855

10

### WARREN DISTRICT OFFICE

Phone: 586-753-3700 | Fax: 586-753-3831  
27700 Donald Court, Warren, MI 48092



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# HAZARDOUS WASTE & LIQUID INDUSTRIAL BY-PRODUCT PROGRAM STAFF

## STATEWIDE SPECIALISTS

Waste Characterization: Jim Ferritto, [FerrittoJ@Michigan.gov](mailto:FerrittoJ@Michigan.gov) | 231-878-0962

Transport Permitting and Registration: Krista Hettich, [HettichK@Michigan.gov](mailto:HettichK@Michigan.gov) | 269-370-8527

Inspection Coordination: Trisha Confer, [ConferT@Michigan.gov](mailto:ConferT@Michigan.gov) | 989-460-7352

Treatment, Storage, and Disposal Facilities: Todd Zynda, [ZyndaT@Michigan.gov](mailto:ZyndaT@Michigan.gov) | 586-206-1640

## TECHNICAL ASSISTANCE

### 1 BAY CITY DISTRICT OFFICE

Trisha Confer:  
[ConferT@Michigan.gov](mailto:ConferT@Michigan.gov) | 989-460-7352

Ethan Israels:  
[IsraelsE@Michigan.gov](mailto:IsraelsE@Michigan.gov) | 517-285-0093

**Counties:** Arenac, Bay, Clare, Gladwin, Huron, Iosco, Isabella, Midland, Ogemaw, Saginaw, Sanilac, Tuscola

### 2 CADILLAC DISTRICT OFFICE

Jenny Bennett  
[BennettJ6@Michigan.gov](mailto:BennettJ6@Michigan.gov) | 231-429-1413

**Counties:** Benzie, Grand Traverse, Kalkaska, Lake, Leelanau, Manistee, Mason, Missaukee, Osceola, Wexford

### 4 GAYLORD DISTRICT OFFICE

Jenny Bennett  
[BennettJ6@Michigan.gov](mailto:BennettJ6@Michigan.gov) | 231-429-1413

**Counties:** Alcona, Alpena, Antrim, Charlevoix, Cheboygan, Crawford, Emmet, Montmorency, Oscoda, Otsego, Presque Isle, Roscommon

### 5 GRAND RAPIDS DISTRICT OFFICE

Wade O'Boyle  
[OBoyleW@Michigan.gov](mailto:OBoyleW@Michigan.gov) | 616-260-7901  
Jonathan Vrugink  
[VruginkJ@Michigan.gov](mailto:VruginkJ@Michigan.gov) | 616-840-0791

**Counties:** Barry, Ionia, Kent, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, Ottawa

### 6 JACKSON DISTRICT OFFICE

Jill Coulter  
[CoulterJ@Michigan.gov](mailto:CoulterJ@Michigan.gov) | 517-243-1680

**Counties:** Hillsdale, Jackson, Lenawee, Monroe, Washtenaw

### 7 KALAMAZOO DISTRICT OFFICE

Krista Hettich  
[HettichK@Michigan.gov](mailto:HettichK@Michigan.gov) | 269-370-8527

**Counties:** Allegan, Berrien, Branch, Calhoun, Cass, Kalamazoo, St. Joseph, Van Buren

### 8 LANSING DISTRICT OFFICE

Bryan Grochowski  
[GrochowskiB@Michigan.gov](mailto:GrochowskiB@Michigan.gov) | 517-243-0499  
Alexander Nelson  
[NelsonA31@Michigan.gov](mailto:NelsonA31@Michigan.gov) | 517-897-5437

**Counties:** Clinton, Eaton, Genesee, Gratiot, Ingham, Lapeer, Livingston, Shiawassee

### 9 MARQUETTE DISTRICT OFFICE

Mary Ann St. Antoine  
[StAntoineM@Michigan.gov](mailto:StAntoineM@Michigan.gov) | 989-370-8035

**Counties:** Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, Schoolcraft

### 10 WARREN DISTRICT OFFICE

James Day  
[DayJ@Michigan.gov](mailto:DayJ@Michigan.gov) | 586-494-5093  
Jennifer Hazelton  
[HazeltonJ@Michigan.gov](mailto:HazeltonJ@Michigan.gov) | 248-915-1063  
Todd Zynda  
[ZyndaT@Michigan.gov](mailto:ZyndaT@Michigan.gov) | 586-206-1640

**Counties:** Macomb, Oakland, St. Clair, Wayne

# P2: Pollution Prevention

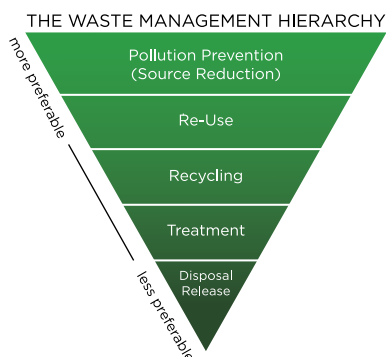
Technical assistance for businesses to be environmentally sustainable and reduce costs



## Help Your Business Be Environmentally Friendly AND Save Money

The Environmental Protection Agency's (EPA) Pollution Prevention (P2) Program provides grants to states and tribes to provide technical assistance services to American businesses to help them prevent pollution at its source before it is even created.

There are significant opportunities for businesses to reduce or prevent pollution through cost-effective changes in production, operation, and use of raw materials. This can save your business money. It is often cheaper to prevent pollution from being created than to clean it up afterwards or pay for control, treatment, and disposal of hazardous waste products. Addressing pollution at its source can reduce operating, regulatory and liability costs, protect the environment and public health, and give your company a market advantage by showing your community and customers that your business is a responsible environmental steward.



## What Can P2 Technical Assistance Do For You?

A P2 Technical Assistance Provider located in your [state](#) can consult with your business to help you identify P2 opportunities. Depending on your needs and goals, they can provide services such as:

- Expert-led educational workshops, webinars, and one on one assistance
- Support for carrying out an in-depth Chemical Footprint Survey
- Technical assessments that can identify opportunities to reduce the use or release of hazardous chemicals
- Energy use assessments, including compressor and HVAC efficiency and lighting effectiveness
- Assistance with sustainable supply chain procurement tools

## What is P2?

Pollution Prevention (P2), also called “source reduction,” is any practice that reduces, eliminates, or prevents pollution at its source and prior to recycling, treatment, or disposal. Some examples of P2 are substituting the use of hazardous materials for less hazardous alternatives, implementing process changes to improve the efficient use of materials and resources such as energy or water.

## Delivering Results

Between 2011-2021, EPA issued P2 grants that helped American businesses identify P2 approaches that resulted in\*:



**\$2.2 BILLION**  
dollars savings for business



**917 MILLION POUNDS**  
hazardous materials reduced



**49 BILLION GALLONS**  
water saved



**19.8 MILLION METRIC TONS**  
greenhouse gases eliminated



**30.4 BILLION KILOWATT HOURS**  
energy savings

*\* Calculated over a 4-year rolling period to account for recurring benefits*

## Resources to get started:

- Identify and contact your state or tribal P2 Technical Assistance Provider:  
<https://www.epa.gov/p2/p2-resources-business#tech>




# P2 in Action

## Pfizer, Inc. • EPA Region 2

Pfizer, Inc. is a pharmaceutical company, with multiple facilities within EPA's Region 2 in New York, New Jersey, and Puerto Rico. Like many drug companies, Pfizer relies on the use of large quantities of solvents in the manufacture of important drugs and medicines.

Pfizer collaborated with Rowan University to improve its processes and significantly reduced its solvents use and saved money. With assistance from an EPA P2 grant, Rowan University created R.SWEET (Recovery of Solvent Waste Environmental and Economic Toolbox), a software tool that allows drug manufacturers to assess solvent use and recovery within their production processes. Using R.SWEET, Pfizer screened its waste production stream, substituted environmentally-friendly practices for more harmful ones, and examined ways to implement purification, recycling, and reuse applications for its products.

Pfizer was able to:

-  reduce generation of 8.84 million pounds of hazardous materials
-  reduce 3,160 metric tons of CO<sub>2</sub>eq (carbon dioxide equivalent) emissions
-  save a total of \$2.3 million

Pfizer's success using the tool demonstrates that other pharmaceutical companies in the United States and abroad can use R.SWEET for solvent recovery operations.

For more information on this project, contact Walter Schoepf, EPA Region 2, at [schoepf.walter@epa.gov](mailto:schoepf.walter@epa.gov).



## Lakeland Tool & Engineering Inc. • EPA Region 5





Lakeland Tool & Engineering Inc., which was based in Anoka, Minnesota, built thermoplastic and thermoset custom molds used to produce plastic parts such as phone cases and car door panels. In 2014, with the help of an EPA P2 grant, the University of Minnesota's Technical Assistance Program (MnTAP) worked with Lakeland Tool to explore options for incorporating safer chemical solvents into its degreasing processes to help reduce both its environmental footprint and regulatory burden.

MnTAP conducted an onsite evaluation of the facility and provided recommendations for how Lakeland Tool could implement P2 solutions. The company replaced its use of a heavy-duty lacquer thinner, a solvent that contains several hazardous air pollutants and Minnesota 'Chemicals of Concern', with acetone in its paint gun cleaning system.

**Incentivized by Lakeland Tool's success, 11 other facilities in Minnesota have switched to the use of environmentally safer degreasing solvents.**

Acetone has lower health risks, does not emit volatile organic compounds (VOCs) and is available at the same price point. Employees at the Lakeland Tool facility supported this change, reporting a noticeable improvement in air quality at the shop.

Lakeland Tool also replaced three solvent-based aerosols used for mold cleaning with a water-based cleaner. This simple action allowed the company to:

-  save \$7,000 annually
-  eliminate more than 900 pounds of VOCs
-  reduce 1,500 pounds of smog-producing ozone
-  eliminate 1,600 aerosol cans from solid waste

This P2 action reduced Lakeland's regulatory burden and fees under the Resource Conservation and Recovery Act (RCRA). By using P2 strategies, Lakeland Tool saved money, protected the health of its employees, reduced its regulatory burden, and reduced its environmental impact.

To learn more, contact Christine Anderson, EPA Region 5, at [anderson.christine@epa.gov](mailto:anderson.christine@epa.gov).

# PROPERTY OWNER'S GUIDE TO RESTRICTIVE COVENANTS IMPOSED AT SITES OF ENVIRONMENTAL CONTAMINATION

Guidance

## What is a Restrictive Covenant?

Restrictive covenants or deed restrictions are legal instruments recorded with the county register of deeds and are used to impose land use or resource use restrictions where environmental contamination is present at a particular property. Restrictive covenants serve three purposes: 1) inform prospective owners or tenants of the environmental conditions of the property 2) ensure the long-term compliance with use restrictions that are necessary to prevent unacceptable exposure to environmental contamination and 3) maintain the integrity of the remedy over time. Restrictive covenants may only be placed on a property deed with written consent of the property owner.

Restrictive covenants may be used in conjunction with engineering controls, which are physical controls that prevent human exposure to, or migration of, contamination. These controls limit direct contact with contaminated areas, reduce exposures, and control migration of contaminants through environmental media. Examples of engineering controls include capping (pavement, clean soil, gravel, etc.), vapor mitigation systems, containment, slurry walls, extraction wells, and treatment methods that minimize the spread of contamination.

## Why are Restrictive Covenants Necessary?

Michigan's environmental remediation programs authorize the Michigan Department of Environment, Great Lakes, and Energy (EGLE) to set cleanup standards by considering how the contaminated land will be used in the future. Michigan's cleanup standards are risk-based and reflect the potential for human health or ecological risks from exposure to hazardous or regulated substances at contaminated sites. Thus, a person may rely upon the imposition of land use or resource use restrictions, through instruments such as restrictive covenants, to manage risk by preventing exposure to environmental contamination left in-place at a property. For example, if corrective action has been completed at a property and the level of contaminants in the groundwater are in excess of drinking water cleanup criteria, the responsible party may prepare and record a restrictive covenant which prohibits the use of potable water wells on the property, thus preventing the risk of potential exposure to contamination remaining in the groundwater.



*Construction of a soil cover (exposure barrier) over the former Linden Road Landfill in Flint Charter Township (Genesee Co.).*



*Saturday morning soccer games are played on the site of the former Linden Road Landfill. A restrictive covenant is recorded on the property deed to prohibit excavation or other soil disturbance activities below the cover.*

### **What are the Benefits of Restrictive Covenants?**

Restrictive covenants help reduce or eliminate the risks of people coming in contact with contamination, and may also protect expensive cleanup equipment from damage. A restrictive covenant remains in the “chain of title” for the particular property forever, or until it is determined that the hazardous or regulated substances no longer present an unacceptable risk to the public health, safety, or welfare, or the environment. With this benefit of “running with the land,” the instrument reliably provides knowledge of the environmental conditions and restrictions to current and future persons who own or have an interest in the property through property transactions. Finally, the use of restrictive covenants can allow and promote a previously undeveloped or abandoned property to be returned to a safe and productive reuse.

### **What Types of Land or Resource Use Restrictions May be Imposed by Restrictive Covenants?**

Restrictions commonly imposed in restrictive covenants to reduce or eliminate unacceptable exposure risk to hazardous or regulated substances include:

- Restrict land use to nonresidential (e.g. commercial or industrial) uses.
- Prohibit the construction or use of drinking water wells on the property.
- Prohibit or limit excavation activities on the property.
- Prohibit the construction or use of buildings or allow construction of a building after an evaluation is made to determine if a vapor mitigation system is necessary or, if installed, to ensure it is being maintained.

### **What Does it Mean to Me as a Property Owner?**

If you have knowledge that the property you own or operate is contaminated, you have “due care” obligations, even if you aren't responsible for the contamination. “Due care” means that an owner or operator of contaminated property must take steps to prevent unacceptable exposures to the contamination, or doing things that worsen the contamination. Under a restrictive covenant, you are obligated to:

- Comply with any land use or resource use restrictions created or relied upon in connection with the response or corrective action activities at the property.
- Do nothing to hinder those restrictions as applied to the response or corrective activities at the property.

### **Where Can I Find More Information?**

Multiple sources of information are available if you have questions about restrictive covenants related to your property, your neighbor's property, or other property in your community. Your county Register of Deeds office holds all documents, including restrictive covenants, recorded on a particular property.

The Michigan Environmental Mapper ([www.mcgi.state.mi.us/EnvironmentalMapper](http://www.mcgi.state.mi.us/EnvironmentalMapper)) allows you to view sites of contamination and underground storage tank sites, and any land use or resource use restrictions (including restrictive covenants), that EGLE is aware of, imposed on a property. The user can display the sites based on search criteria by city, county, EGLE district, and Michigan legislative district. In addition the user can view sites within a certain distance of a location, a land lot, or a stream segment. The results can be printed, with the map, or exported to an Excel spreadsheet.

In addition, Remediation and Redevelopment Division field staff located at EGLE offices statewide can provide information regarding specific properties. The field staff are the first line of contact with citizens, the business community, industry, and local units of government for prompt customer service about the Environmental Remediation and Leaking Underground Storage Tank programs.

# ENVIRONMENTAL RELEASE REPORTING

## Release Notification Requirements in Michigan\*

This document should be used as a tool to identify potential reporting requirements before a release occurs, and to identify required follow-up reporting based on the release and relevant regulations. It outlines what releases must be reported, when they must be reported, and to whom they must be reported. Refer to individual state and federal acts and regulations for specific information and requirements as this document is not a substitution for individual state and federal acts and regulations).

Always check your facility permits, licenses, registrations, pollution prevention plans, and local ordinances for additional release reporting requirements. In particular, all National Pollutant Discharge Elimination System (NPDES) permits, and most air permits, contain release reporting requirements that are not outlined in this document.

While diligent efforts have been made to assure that the information contained herein is accurate and complete, there is no guarantee that it covers all of the regulatory requirements for release notification and reporting in Michigan\*.

*This document was prepared by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) - SARA Title III Program.*

If the release is an  
**Immediate THREAT TO HUMAN HEALTH or SAFETY,**  
 call 911 or your local fire department

\*This table covers only those reporting requirements found in rules and regulations that apply in Michigan. **Releases might be reportable under multiple regulations.** Additional reporting requirements might be found in permits, licenses, registrations, contingency and pollution prevention plans, and local ordinances

# Release Notification Requirements in Michigan\*

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# Release Notification Requirements in Michigan\*

## Extremely Hazardous Substances (EHS) and Hazardous Substances

(under SARA Title III, Section 304, 40 CFR 355.40)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Release of a CERCLA <b>hazardous</b> substance (40 CFR 302, Table 302.4) or <b>Extremely Hazardous</b> Substance (40 CFR 355, Appendix A) from a facility (all buildings, equipment, etc. located on a single site or adjacent sites owned or operated by the same person) at which a hazardous chemical (as defined under 29 CFR 1910.1200(c)) is used, produced or stored (including motor vehicles, rolling stock, and aircraft) in a quantity equal to or greater than its corresponding reportable quantity in any 24-hr period that migrates beyond the facility boundaries.</p> <p>Includes continuous release reportable under CERCLA Section 103.</p> <p>Excludes release that is federally permitted or that results in exposure to persons solely within the boundaries of the facility. See 67 FR 18899 (4/17/02) for guidance on the CERCLA federally permitted release definition for certain air emissions.</p> <p>Does not apply to the application, handling, and storage by an agricultural producer of a pesticide product registered under FIFRA.</p> <p>Excludes release &lt; 1000 lbs. of NO<sub>x</sub> released to the air from combustion or combustion-related activities.</p>	<p>Immediate (within 15 minutes after discovery) to: LEPC(s) of any area(s) potentially affected, and SERC (<i>EGLEPEAS line accepts notification on behalf of SERC</i>) by owner or operator.</p> <p>Continuous releases must be identified as such and are reported initially and when there is a significant change in the release.</p> <p>See 73 FR 76948 (12/18/08): Only CAFOs are required to report continuous releases to the air from animal waste.</p> <p>Transportation-related releases can be reported to 911.</p>	<p>As soon as practicable (within 30 days) after release: to LEPC(s) and SERC.</p> <p>Not required for releases that occur during transportation or from storage incident to transportation.</p> <p>For continuous releases: Initial written within 30 days after initial telephone notification: to LEPC(s) and SERC.</p> <p>Michigan SARA Title III Program accepts reports on behalf of the SERC.</p>	<p>PEAS: 800-292-4706</p> <p>Contact your LEPC for a phone number to report releases.</p> <p>Call 911 if your LEPC is not active.</p> <p>For further information &amp; LEPC contact information, contact Michigan SARA Title III Program 517-284-7272</p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

# Release Notification Requirements in Michigan\*

## Hazardous Substances

(Under CERCLA, Section 103, 40 CFR 302)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Release into the environment of a CERCLA <b>hazardous substance</b> (40 CFR 302, Table 302.4) or hazardous constituent in a mixture or solution (including hazardous waste streams) from a vessel or facility (any building, structure, etc. including motor vehicles, rolling stock, aircraft, pipe, pipeline, well, pond, lagoon, impoundment, ditch, landfill, or site where a hazardous substance has come to be located) in a quantity equal to or greater than its corresponding reportable quantity in any 24-hour period.</p> <p>Excludes petroleum, including oil, or any fraction thereof.</p> <p>See 40 CFR 302.6 for notification requirements for radionuclide releases.</p> <p>Includes continuous release: occurs without interruption or abatement or that is routine, anticipated, and intermittent and incidental to normal operations or treatment processes.</p> <p>See 67 FR 18899 (4/17/02) for guidance on the CERCLA federally permitted release definition for certain air emissions. See 71 FR 58525 (10/4/06) re Exemption for NOx releases to the air of &lt; 1000 lbs. from combustion or combustion-related activities.</p> <p>Does not apply to the application, handling, and storage by an agricultural producer of a pesticide product registered under FIFRA.</p>	<p>Immediate (within 15 minutes after discovery) to: NRC by person in charge of vessel or offshore or onshore facility.</p> <p>Continuous releases must be identified as such and are reported initially and when there is a significant change in the release.</p> <p>See 73 FR 76948 (12/18/08) re Exemption from reporting continuous releases to the air from animal waste.</p>	<p>For continuous releases only: Initial written within 30 days after initial telephone notification and Follow-up within 30 days of first anniversary of initial written notification to: EPA Region 5.</p>	<p>NRC: 800-424-8802 or <a href="http://www.nrc.uscg.mil">www.nrc.uscg.mil</a></p> <p>For further information contact Michigan SARA Title III Program 517-284-7272 or EPA's Superfund, TRI, EPCRA, RMP, and Oil Information Center 800-424-9346</p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

# Release Notification Requirements in Michigan\*

## Environmental Remediation

(Under NREPA, 1994 PA 451, Part 201)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>(i) Unpermitted release into the environment over a 24-hour period of a <b>hazardous</b> substance (<i>July 1, 2012, edition</i> of the CERCLA list, 40 CFR 302, Table 302.4) in a quantity equal to or greater than its corresponding reportable quantity.</p> <p>Does not include release solely from UST systems regulated under Part 213, and release solely from disposal area licensed under Part 115 and discovered through disposal area’s hydrogeological monitoring plan.</p> <p>Release of substance regulated by Michigan Department of Agriculture &amp; Rural Development (MDARD) (fertilizer, soil conditioner, or pesticide) excluding normal agricultural practices: <i>also</i> report to MDARD.</p> <p>(ii) The owner or operator has reason to believe that one or more <b>hazardous</b> substances are migrating or have migrated from his or her property and are present beyond the property boundary at a concentration in excess of cleanup criteria for unrestricted residential use.</p> <p>(iii) The release is a result of an activity that is subject to permitting under NREPA Part 615 and the owner or operator is not the owner of the surface property and the release results in <b>hazardous</b> substance concentrations in excess of cleanup criteria for unrestricted residential use.</p> <p>Hazardous substance means a hazardous substance defined in CERCLA (40 CFR 302), hazardous waste as defined in NREPA part 111, petroleum as defined in NREPA part 213, or any substance demonstrated to pose an unacceptable risk to public health, safety, welfare, or the environment.</p> <p>Cleanup criteria for unrestricted residential use means criteria that satisfy the requirements in section 20120a(1)(a) or (16); or as defined under NREPA part 213.</p>	<p>Within 24 hours after discovery: to EGLE-RRD district office (PEAS after hours) by owner or operator or person holding easement interest.</p> <p>Report agricultural release to MDARD.</p> <p>Off-site Migration: Within 30 days after discovery: to EGLE-RRD district office and owners of property to which hazardous substances migrated or owner of surface property by owner or operator of property where release occurred.</p> <p>Specific form required: “Notice of Migration of Contamination” (Form EQP4482).</p>	<p>Upon request: Provide a response activity plan to EGLE-RRD district supervisor.</p>	<p>PEAS: 800-292-4706</p> <p>MDARD Agriculture Pollution Emergency Hotline: 800-405-0101</p> <p>For further information contact EGLE-RRD</p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### Agricultural

(Under NREPA, 1994 PA 451, Part 83, **Pesticide Control**, Regulation 640, Commercial Pesticide Bulk Storage)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Release to the environment of a commercial <b>pesticide</b> &gt;5 gallons or 100 pounds.</p> <p>Reportable agrichemical spills as defined in the provisions of SARA Title III section 304 and CERCLA section 103 shall be immediately reported to PEAS and the NRC.</p> <p>The term “release” excludes normal agricultural practices.</p>	<p>Immediate to PEAS*</p> <p>Also notify NRC for spills reportable under SARA Title III &amp; CERCLA.</p> <p>*MDARD prefers direct notification to their hotline. PEAS forwards all agriculture calls to MDARD.</p>	<p>Within 90 days: a revised site plan to MDARD</p> <p>Pesticide and Plant Pest Management Division</p>	<p>MDARD Agriculture Pollution Emergency Hotline: 800-405-0101</p> <p>PEAS: 800-292-4706</p> <p>NRC: 800-424-8802 or online at <a href="http://www.nrc.uscg.mil">www.nrc.uscg.mil</a></p> <p>For further information contact MDARD: 517-284-5644</p>

### Agricultural

NREPA, 1994 PA 451, Part 85, **Fertilizers**. Regulation 641 Commercial Fertilizer Bulk Storage, Regulation 642, On Farm Fertilizer Bulk Storage

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Release to the environment of a commercial <b>fertilizer</b> &gt;55 gallons liquid or 650 pounds dry, or tank overfills; or an on farm fertilizer &gt; 55 gallons liquid.</p> <p>For storage tank with bladder system instead of diking: also report all overfills and internal spills.</p> <p>The term “release” excludes normal agricultural practices.</p> <p>The term “liquid fertilizer” excludes anhydrous ammonia.</p>	<p>Immediate: to MDARD by commercial bulk storage facility personnel (For farms, the regulation does not specify who makes the report.)</p>	<p>Not required.</p>	<p>MDARD Agriculture Pollution Emergency Hotline: 800-405-0101</p> <p>For further information contact MDARD 517-284-5644</p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### Fire Prevention

Fire Prevention Code, 1941 PA 207, Section 29.5g

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>A fire, explosion, spill, leak, accident, or related occurrence that involves the transportation, storage, handling, sale, use, or processing of hazardous material by a firm, person, or vehicle.</p> <p><b>Hazardous</b> material = explosives, pyrotechnics, flammable gas, flammable compressed gas, flammable liquid, nonflammable compressed gas, combustible liquid, oxidizing material, poisonous gas or liquid, LPG, or irritating, etiologic, radioactive, or corrosive material.</p> <p>Act 207 amended 6/19/2006. The State Fire Marshall is in LARA, Bureau of Fire Services.</p>	<p>Immediately following incident, report known details regarding incident:</p> <p>to LARA Bureau of Fire Services <i>and</i> organized local fire department by owner of firm or vehicle or the person <i>and</i> the chief of first police or organized fire department upon scene of incident.</p>	<p>Not required.</p>	<p>Contact LARA Bureau of Fire Services by calling the MSP HazMat hotline: 800-525-5555</p> <p>For further information: contact local fire department</p>

### Fire Prevention

Fire Prevention Code, 1941 PA 207, Part 2 of Storage and Handling of **Flammable and Combustible Liquids** rules (FL/CL code)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>A release from an <b>AST</b> system of &gt; 55 gal of any <b>flammable or combustible liquid</b> (flash point &lt; 200°F) to the ground or within a secondary containment area during any 24 hour period.</p> <p>Note: Many liquid pesticides are combustible (flash point between 100 and 200°F).</p>	<p>As soon as practicable after detection of release: to PEAS by owner or operator.</p>	<p>Within 10 days after release: to LARA Bureau of Fire Services, Storage Tank Division, outlining cause, discovery, response to prevent recurrence.</p>	<p>PEAS: 800-292-4706</p> <p>For further information: contact LARA Bureau of Fire Services, Storage Tank Division 517-335-7211</p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

# Release Notification Requirements in Michigan\*

## Transportation of Hazardous Materials and Hazardous Waste

49 CFR 171

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p><b>Initial verbal notice:</b> Incident during transportation (including loading, unloading, temporary storage) involving (1) <b>hazardous</b> material and resulting in death, injury requiring hospitalization, public evacuation <math>\geq</math> 1 hour, major transportation artery or facility closure <math>\geq</math> 1 hour, or flight pattern alteration; (2) fire, breakage, spillage, or suspected radioactive contamination occurs involving a <b>radioactive</b> material; (3) fire, breakage, spillage or suspected contamination involving an <b>infectious</b> substance other than a regulated medical waste; (4) <b>marine pollutant</b> release exceeding 450 L (119 gal) liquid or 400 kg (882 lbs.) solid; (5) other per judgment of person in possession of the hazardous material (e.g., continuing danger to life exists at scene of incident); (6) during transportation by aircraft, a fire, violent rupture, explosion or dangerous evolution of heat occurs as a direct result of a battery or battery-powered device.</p> <p>Hazardous material = CERCLA hazardous substance (40 CFR 302, Table 302.4), hazardous waste (40 CFR 262), marine pollutant (49 CFR 172.101 Appendix B), elevated temperature material, listed on Hazardous Materials Table (49 CFR 172.101), or meets criteria for hazard class/division in 49 CFR 173.</p> <p><b>Written follow-up report:</b> Required for all of above, plus any unintentional release of hazardous material from a package (including tank); or any quantity of hazardous waste discharged during transportation; or structural damage to lading retention system, even if no release, on specification cargo tank with <math>\geq</math> 1000 gal capacity containing hazardous material; or undeclared hazardous material discovered.</p>	<p>As soon as practical but no later than 12 hours after occurrence of the incident: to NRC by each person in physical possession of the hazardous material.</p> <p>(A reportable incident <i>must</i> be reported by telephone, not online.)</p> <p>For infectious substances, notice may be given to the Director, Centers for Disease Control and Prevention, U.S. Public Health Service instead of NRC.</p>	<p>Within 30 days after discovery: to US DOT on DOT Form F 5800.1 (01-2004) "Hazardous Materials Incident Report."</p> <p>Report online at <a href="https://hazmatonline.phmsa.dot.gov/incident/">https://hazmatonline.phmsa.dot.gov/incident/</a></p> <p>Report must be updated within 1 year of incident if: Death results from injury; hazardous material or package info on prior report misidentified; damage, loss or cost not known on prior report becomes known or changes by \$25,000 or 10%.</p> <p>See regulation for exceptions to written report.</p>	<p>NRC 800-424-8802 or online at <a href="http://www.nrc.uscg.mil">www.nrc.uscg.mil</a></p> <p>U.S. Public Health Service 800-232-0124</p> <p>For further information contact US DOT Hazardous Materials Information Center at 800-467-4922 or online at <a href="http://www.phmsa.dot.gov/hazmat">www.phmsa.dot.gov/hazmat</a></p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### Release to Surface or Ground, Surface Water, Ground Water, or Public Sewer System

(Under NREPA, 1994 PA 451, Part 31, Water Resources Protection)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Unpermitted release directly or indirectly to public sewer system, surface of ground, surface water or groundwater from an oil storage facility or on-land facility of a <b>“polluting material”</b> (oil, salt, or any material specified in table 1 in R 324.2009) in excess of its threshold reporting quantity during any 24-hour period.</p> <p>See Part 5 rules, effective 8/31/01, for details and exemptions.</p> <p>HB 5586 effective 6/15/04 amended the reporting requirements.</p> <p><i>Rule revisions pending.</i></p>	<p>As soon as practicable after detection: to PEAS <i>and</i> 911 by owner, operator or manager.</p> <p>State agencies call 911 if release reported to them by another state or Canada.</p>	<p>Within 10 days after release: to EGLE-WRD district supervisor <i>and</i> to the local health department where the release occurred, outlining cause, discovery, response &amp; prevention of recurrence.</p>	<p>PEAS: 800-292-4706</p> <p>For further information contact EGLE-WRD</p>

### Sewer Systems

(Under NREPA, 1994 PA 451, Part 31, Water Resources Protection)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Discharge of untreated sewage or partially treated sewage from a <b>sewer system</b> onto land or into the waters of the state.</p> <p>“Sewer system” means a sewer system designed and used to convey sanitary sewage or storm water, or both.</p>	<p>If SSO, <b>verbally</b> report within <b>24 hours</b> to EGLE WRD (PEAS after hours, weekends, or holidays).</p> <p>If from authorized CSO outfall or Retention Treatment Basin (RTB), report with <b>4 hours</b> to EGLE-WRD in accordance with permittee’s approved Public Notification Plan. Notify local health departments, daily newspaper circulated in source and affected municipalities and counties.</p>	<p>At end of discharge to all parties initially notified.</p> <p>Submit a final report to “Report of Discharge (CSO\SSO\RTB)” via MiEnviro Portal (previously known as MiWaters), including results of E. coli testing.</p>	<p>MiEnviro: <a href="https://michigan.gov/egle/maps-data/mienviroportal">Michigan.gov/egle/maps-data/mienviroportal</a></p> <p>For further information, contact EGLE-WRD: <a href="https://michigan.gov/egle/about/organization/water-resources">Michigan.gov/egle/about/organization/water-resources</a></p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### Sewerage Systems

NREPA, 1994 PA 451, Part 41

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Discharges of pollutants from <b>sewerage systems</b> (which can include combined sewers) in excess of those authorized by a discharge permit issued by the EGLE to surface water or groundwater as a result of a facility breakdown or emergency.</p> <p>Sewerage systems handle sanitary sewage or other industrial liquid wastes.</p>	<p>Promptly: to EGLE-WRD district office (PEAS after hours) by owner.</p>	<p>Within 5 days: to EGLE-WRD submitted via the MiEnviro Portal, outlining cause, discovery, corrective actions taken to minimize impact, restore operations, and eliminate future unpermitted discharges.</p>	<p>PEAS: 800-292-4706</p> <p>MiEnviro: <a href="http://mienviro.michigan.gov">mienviro.michigan.gov</a></p> <p>For further information contact EGLE-WRD</p>

### Control of Pollution by Oil and Hazardous Substances, Discharge Removal

(Under CWA, Section 311. 33 CFR 153 -- **Navigable waters** – Coast Guard/DOT)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Discharge of a harmful quantity of <b>oil</b> or a <b>hazardous</b> substance from a vessel or onshore or offshore facility into or upon navigable <b>waters</b> of the United States or adjoining <b>shores</b>.</p> <p>Harmful quantity = oil discharge that violates applicable water quality standards, or causes a film or sheen upon or discoloration of the surface of the water or adjoining shorelines, or causes a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines; or a CERCLA hazardous substance (40 CFR 302, Table 302.4) in a quantity equal to or greater than its corresponding reportable quantity.</p> <p>Oil = oil of any kind or in any form including petroleum, crude oil, petroleum refined products, sludge, oil refuse, oil mixed with wastes, etc., as well as vegetable and animal oils.</p>	<p>Immediate: to NRC by person in charge of vessel or facility.</p> <p>If direct reporting to NRC not practicable, may report to district Coast Guard or EPA pre-designated OSC.</p>	<p>Not required.</p>	<p>NRC: 800-424-8802 or online at <a href="http://www.nrc.uscg.mil">www.nrc.uscg.mil</a></p> <p>District 9 Coast Guard 216-902-6117</p> <p>EPA Region 5 for pre-designated OSC 312-353-2318</p> <p>More information: contact EPA Region 5 (312-353-8200) or District 9 Coast Guard (216-902-6045)</p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### Discharge of Oil

(Under CWA, Section 311, 40 CFR 110)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Discharges of <b>oil</b> that violate applicable <b>water</b> quality standards or cause a film or sheen upon or discoloration of the surface of the water or adjoining <b>shorelines</b>, or cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines.</p> <p>Oil = oil of any kind or in any form including petroleum, crude oil, petroleum refined products, sludge, oil refuse, oil mixed with wastes, etc., as well as vegetable and animal oils.</p>	<p>Immediate: to NRC by person in charge of vessel or facility.</p>	<p>Not required.</p>	<p>NRC: 800-424-8802 or online at <a href="http://www.nrc.uscg.mil">www.nrc.uscg.mil</a></p> <p>For further information contact EGLE-WRD</p>

### Underground Storage Tanks

(Under NREPA, 1994 PA 451, Part 211, **Underground Storage Tanks** and Part 213, Leaking Underground Storage Tanks)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Releases of a <b>regulated substance</b> of any amount from underground storage tank (UST) systems (includes the emergency shutoff valve on down) subject to registration; overfill from UST fillpipe or vent onto ground; release from aboveground pipe attached to UST system.</p> <p>Regulated substance = petroleum or CERCLA hazardous substance (40 CFR 302, Table 302.4) or substance listed in CAA title 1 part A sect 112. Petroleum includes, but is not limited to, crude oil, motor fuels, jet fuels, distillate fuel oils, residual fuel oils, lubricants, and petroleum solvents.</p>	<p>(Part 211) Within 24 hours after discovery: to LARA Bureau of Fire Services, Storage Tank Division by email or fax on Form EQP 3826 (Rev. 4/12) If free phase, Form EQP 3800 (Rev 02/2003) required by UST owner or operator, or employee of owner or operator. Includes releases discovered years after UST system removed</p>	<p>(Part 213) At 180 days: Initial Assessment Report on Form EQP3841 (Rev. 02/2003) if not closed; at 365 days: Final Assessment Report on Form EQP3842 (Rev. 11/2006) if still not closed; at closure: Closure Report on Form EQP3843 (Rev. 02/2003) to EGLE-RRD district project manager.</p>	<p>Email: <a href="mailto:EGLE-std-tanks@michigan.gov">EGLE-std-tanks@michigan.gov</a></p> <p>Fax: 517-335-2245</p> <p>For further information contact EGLE-RRD or phone 800-MICHUST</p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### Generators; Treatment, Storage & Disposal Facilities (TSDF); Transporters

(Under NREPA, 1994 PA 451, Part 111, **Hazardous Waste Management**)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Any amount of characteristic <b>hazardous waste</b> or listed hazardous waste (as defined in R 299.9203 “Hazardous Waste Rule 203”) reaches the surface water or groundwater,</p> <p>or</p> <p>A fire, explosion, or other release of hazardous waste or hazardous waste constituent occurs that could threaten human health or the environment.</p> <p>or</p> <p>A release of &gt;1lb (or ≤1lb if not immediately cleaned up) hazardous waste to the environment from a tank system or associated secondary containment system.</p> <p>Additional hazardous waste reporting requirements under NREPA Part 201 and CERCLA.</p> <p>NREPA Part 111 requires transporters to comply with 49 CFR 171 and 33 CFR 153.</p>	<p>Immediate: to PEAS (or for Tank systems/secondary containment, within 24 hours of discovery to EGLE-MMD)</p> <p>and to NRC if threat to human health or environment outside facility by generator, or owner or operator of TSDF, or transporter.</p>	<p>For large quantity generators and TSDF: Within 15 days after incident IF the contingency plan had to be implemented to: EGLE-MMD.</p> <p>For tank/secondary containment systems: Within 30 days of discovery to: EGLE-MMD.</p> <p>For transporters: to US DOT if required per 49 CFR 171.</p>	<p>PEAS: 800-292-4706</p> <p>NRC 800-424-8802 or online at <a href="http://www.nrc.uscg.mil">www.nrc.uscg.mil</a></p> <p>For further information contact EGLE-MMD</p>

### Liquid Industrial By-Product

(Under NREPA 1994 PA 451, Part 121)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>The <b>liquid industrial by-product</b> spill could threaten public health, safety, welfare, or the environment, or has reached surface water or groundwater.</p> <p>Liquid industrial by-product includes nonhazardous brine, by-product, industrial wastewater, leachate, off-spec commercial chemical product, sludge, sanitary or storm sewer clean-out residue, grease trap clean-out residue, spill residue, used oil, or other liquid by-product not regulated by other laws.</p>	<p>Immediate: to PEAS and local authorities by generator, transporter, or owner or operator of facility.</p> <p>Refer to MCL 324.12111(1) for required report elements</p>	<p>Prepare within 30 days after incident. Submit upon request to: EGLE-MMD district supervisor.</p> <p>Refer to MCL 324.12111(1) for required report elements</p>	<p>PEAS: 800-292-4706</p> <p>For further information contact EGLE-MMD</p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### Hazardous or Toxic Air Pollutants

(Under NREPA, 1994 PA 451, Part 55, **Air Pollution** Control)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Abnormal condition, start-up, shutdown, or malfunction that results in emissions exceeding permissible (in rule, permit or order) levels of <b>hazardous air pollutants</b> (HAPs) (CAA Sect. 112(b)) or <b>toxic air contaminants</b> (as specified in permit) for &gt;1 hour, or any air contaminant for &gt;2 hours.</p> <p>Written follow-up report only required for emission exceedances lasting &gt; 2 hours.</p>	<p>As soon as possible, but not later than 2 business days after discovery to: EGLE-AQD district office (PEAS after hours) by owner or operator.</p>	<p>Within 10 days after start-up, shutdown, or abnormal condition, malfunction corrected. Or within 30 days of abnormal condition, malfunction discovery-whichever first: to EGLE-AQD district supervisor.</p>	<p>PEAS: 800-292-4706</p> <p>For further information contact EGLE-AQD</p>

### Natural or Field Gas Emergency Venting

(Under NREPA, 1994 PA 451, Part 55, **Air Pollution** Control – Permit to Install Exemptions)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Emergency venting of <b>natural gas</b> from transmission and distributions systems or <b>field gas</b> from gathering lines in amounts &gt; 1,000,000 standard cubic feet per event.</p> <p>Emergency = unforeseen event that disrupts normal operating conditions and poses a threat to human life, health, property or the environment if not controlled immediately. See R 336.1285(mm), effective 6/20/2008, for details.</p>	<p>Within 24 hours of the event: to PEAS by owner or operator.</p>	<p>Not required.</p>	<p>PEAS: 800-292-4706</p> <p>For further information contact EGLE-AQD</p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### Dry Cleaning

(Under Public Health Code, 1978 PA 368, Part 133)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
Condition or incident presents a threat or hazard to <b>public health</b> or safety.	Immediate to: EGLE-AQD district office (PEAS after hours) by owner or operator.	Within 30 days after incident: To EGLE-AQD district supervisor.	PEAS: 800-292-4706 For further information contact EGLE-AQD

### Oil and gas production fields

(Under NREPA, 1994 PA 451, Part 615, Supervisor of Wells)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>A loss, spill or release of</p> <ol style="list-style-type: none"> <li>1) any amount of <b>brine, crude oil, or oil or gas field waste</b></li> <li>2) <i>unless</i> it is less than 42 gallons and occurs while an authorized representative is on site and is completely contained and cleaned up within 1 hour, or</li> <li>3) any unpermitted amount of <b>natural gas</b>, or</li> <li>4) (3) <b>chemicals</b> used in association with oil and gas activities.</li> </ol>	<p>Within 8 hours after discovery of:</p> <p>42 gallons or more of brine, crude oil, or oil or gas field waste, or any amount of chemical or natural gas, or;</p> <p>less than 42 gallons if the spill contacts surface water, groundwater, or other environmentally sensitive resources, or is not completely contained and cleaned up within 48 hours to:</p> <p>EGLE-OGMD district office (PEAS after hours) by permittee.</p>	<p>Within 10 days after discovery of loss or spill to:</p> <p>EGLE-OGMD district supervisor on Form EQP-7233 (Rev 1/2012) "Report of Loss or Spill" by permittee</p> <p>Written report only for less than 42 gal. of brine, crude oil, or oil and gas field waste if spill does not contact surface water, groundwater, or other environmentally sensitive resources, and is completely contained and cleaned up within 48 hrs.</p>	<p>PEAS: 800-292-4706</p> <p>For further information contact EGLE-OGMD</p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### Transportation of Natural and Other Gas by Pipeline

(Under 49 CFR 191)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>An incident, meaning:</p> <ol style="list-style-type: none"> <li>1) Event that involves a release of <b>gas</b> from a pipeline, or of liquefied natural gas, liquefied petroleum gas, refrigerant gas, or gas from an LNG facility that results in: Death or hospitalization; or Property damage <math>\geq</math> \$50,000; or estimated gas loss of <math>\geq</math> three million cubic feet.</li> <li>2) Event that results in emergency shutdown of LNG facility.</li> <li>3) Significant event per operator.</li> </ol> <p>Written Incident reports not required for LNG facilities.</p> <p>Applies to pipeline systems and the transportation of gas through those systems in or affecting interstate or foreign commerce. (See 49 CFR 191.3 for details.)</p>	<p>Earliest practicable moment following discovery to: NRC by operator.</p> <p>Notification must be electronic unless there is a safety-related condition to report.</p>	<p>As soon as practical, and within 30 days after discovery: to US DOT on DOT Form PHMSA F 7100.1 "Incident Report – Gas Distribution System."</p> <p>or</p> <p>PHMAS F 7100.2 "Incident Report – Gas Transmission and Gathering Systems"</p> <p>or</p> <p>PHMSA F 7100.3 "Incident Report – Liquefied Natural Gas (LNG) Facilities"</p> <p>Supplemental report filed as necessary as soon as practical.</p>	<p>NRC 800-424-8802 or online at <a href="http://www.nrc.uscg.mil">www.nrc.uscg.mil</a></p> <p>For further information contact US DOT Pipeline Safety Information Center: 202-366-4595 or <a href="http://ops.dot.gov">http://ops.dot.gov</a></p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### Transportation of Hazardous Liquids by Pipeline

(Under 49 CFR 195)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Release of hazardous liquid (<b>petroleum, petroleum products, or anhydrous ammonia</b>) or <b>carbon dioxide</b> from a pipeline system that results in any of the following: (a) Explosion or fire; (b) Release of <math>\geq 5</math> gallons (except if <math>&lt; 5</math> barrels released due to maintenance and release not otherwise reportable, confined to property, does not pollute water, and cleaned up promptly); (c) Death of any person; (d) Injury requiring hospitalization; or (e) Property damage <math>&gt; \\$50,000</math>. (See 49 CFR 195.50, revised 1/8/02, for details)</p> <p>Applies to pipeline facilities and the transportation of hazardous liquids associated with those facilities in or affecting interstate or foreign commerce. (See 49 CFR 195.1 for details.)</p>	<p>Earliest practical moment following discovery: to NRC by operator if Release caused: Death or hospitalization; Fire or explosion; Property damage; Water pollution; or was Significant per the operator.</p>	<p>As soon as practical, and within 30 days after discovery: to U.S. DOT on DOT Form PHMSA F 7000-1 "Accident Report – Hazardous Liquid Pipeline Systems"</p> <p>Supplemental report must be filed within 30 days after operator receives changes or additions to original report.</p>	<p>NRC 800-424-8802 or online at <a href="http://www.nrc.uscg.mil">www.nrc.uscg.mil</a></p> <p>For further information contact US DOT Pipeline Safety Information Center at 202-366-4595 or online at <a href="http://ops.dot.gov">http://ops.dot.gov</a></p>

### Fatalities or Hospitalization

(Under MIOSHA, 1974 PA 154, Section 61, Records & Reports; Notice of)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>A release that results in a <b>fatality</b> within 30 days of the incident or in-patient <b>hospitalization</b> within 24 hours of the incident.</p> <p>Note: the OSHA amendment to require employers to report all work-related hospitalizations within 24 hours becomes effective Jan 1, 2015. Michigan intends to adopt the new rules by reference within 6 months of the Sept 18, 2014 FR publication.</p>	<p>Within 8 hours for a fatality</p> <p>Within 24 hours for hospitalization to: MIOSHA Hotline by Employer.</p>	<p>Not required.</p>	<p>MIOSHA Fatality or Catastrophe Hotline 800-858-0397</p> <p>For further information contact LARA-MIOSHA 517-322-1831</p>

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### Radioactive Material

(Under 1978 PA 368, Part 135, **Radiation** Control)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>Registrants and licensees of EGLE:                      For releases of radioactive material to the environment -  <i>Immediate notice if:</i>                      Release concentration &gt;5000 times limits specified in table II of R 325.5261 to R 325.5269, averaged over 24 hrs</p> <p><i>Notice within 24 hours if:</i>                      Release concentration &gt;500 times limits specified in table II of R 325.5261 to R 325.5269, averaged over 24 hrs</p> <p><i>Written report within 30 days:</i>                      Radiation or concentration of radioactive material in unrestricted area &gt;10 times any applicable limit.</p>	EGLE-MMD Radiological Protection via PEAS	Within 30 days after release: to EGLE-MMD Radiological Protection by registrant or licensee.	PEAS: 800-292-4706  For further information contact EGLE-MMD Radiological Protection

### Radioactive and Nuclear Material

(Under 10 CFR 20)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
<p>US Nuclear Regulatory Commission (USNRC) Licensees:   <i>See 10 CFR 20 and the specific radioactive materials license</i></p>	USNRC Region III	Within 30 days of incident: to USNRC by licensee.	USNRC Region III 301-816-5100  For further information contact EGLE-MMD Radiological Protection

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

### PCBs

(Under TSCA, 40 CFR 761.125 (**PCBs**))

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
Spills of <b>PCBs</b> at concentrations of 50 ppm or more and subject to decontamination requirements under TSCA that: contaminate surface water, sewers, drinking water supplies, grazing lands or vegetable gardens, or exceed 10 pounds. (TSCA specifies that these requirements are in addition to any under CWA or CERCLA. e.g. CERCLA requires spills of 1 pound or more to be reported to NRC.)	As soon as possible after discovery, and within 24 hours: to EPA Region 5.	Not required to be submitted. Records of cleanup and certification of decontamination shall be documented.	EPA Region 5 Corrective Action Section 312-886-7890  For further information contact EPA Region 5 Corrective Action Section

### Toxic Chemical Release Reporting

(Under SARA Title III, Section 313, 40 CFR 372)

Reporting Criteria	Initial Notification	Written Follow-up Report	Notes
Covered facilities as defined in 40 CFR 372 subpart B are subject to <b>toxic</b> chemical release reporting for toxic chemicals and chemical categories listed in 40 CFR 372 subpart D.	Not applicable.	Annually by July 1: to EPA & SERC on EPA's Form R "Toxic Chemical Release Inventory Reporting Form" (EPA Form 9350-1, Rev.10/2011)  Report aggregate releases (permitted & unpermitted)	Michigan SARA Title III Program accepts reports on behalf of SERC  For further information contact Michigan SARA Title III Program 517-284-7272

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.

## Release Notification Requirements in Michigan\*

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### Acronyms used in this document:

AQD = Air Quality Division	MDARD = Michigan Department of Agriculture & Rural Development
AST = Above Ground Storage Tank	MIOSHA = Michigan Occupational Safety and Health Administration
CAA = Clean Air Act	MMD = Materials Management Division
CAFO = Concentrated Animal Feeding Operation	MSP = Michigan Department of State Police
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act of 1980	NRC = National Response Center (U.S. Coast Guard)
CFR = Code of Federal Regulations	NREPA = Natural Resources & Environmental Protection Act
CWA = Clean Water Act	OGMD = Oil, Gas, and Minerals Division
EGLE= Michigan Department of Environment, Great Lake and Energy	OPS = Office of Pipeline Safety (US DOT)
DWMAD = Drinking Water & Municipal Assistance Division	OSC = On Scene Coordinator
DOT = Department of Transportation	PA = Public Act (Michigan)
EHS = Extremely Hazardous Substance	PCB = Polychlorinated biphenyl
EPA = U. S. Environmental Protection Agency	PEAS = Pollution Emergency Alerting System
EPCRA = Emergency Planning & Community Right-to-Know Act	PHMSA = Pipeline & Hazardous Materials Safety Administrator
FIFRA = Federal Insecticide, Fungicide, & Rodenticide Act	RMP = Risk Management Program
FL/CL = Flammable and combustible liquids	RRD = Remediation and Redevelopment Division
FR = Federal Register	SARA = Superfund Amendments and Reauthorization Act of 1986
HAP = Hazardous Air Pollutant	SERC = State Emergency Response Commission
HazMat = Hazardous Materials	TRI = Toxic Chemical Release Inventory
HB = House Bill	TSCA = Toxic Substance Control Act
LARA = Michigan Department of Licensing & Regulatory Affairs	TSDF = Treatment, Storage & Disposal Facility
LEPC = Local Emergency Planning Committee	US DOT = U.S. Department of Transportation
LNG = Liquefied Natural Gas	USNRC = U. S. Nuclear Regulatory Commission
LPG = Liquefied Petroleum Gas	UST = Underground Storage Tank
MCL = Michigan Compiled Laws	WRD = Water Resources Division

NOTE: If the release is an Immediate **THREAT TO HUMAN HEALTH or SAFETY**, call 911 or your local fire department.