

CHEMICAL STORAGE

MECC

**MICHIGAN ENVIRONMENTAL
COMPLIANCE CONFERENCE**

**MICHAEL YOUNG
AND
TOM MATZKE**

ARE YOU REQUIRED TO REPORT YOUR FACILITY'S CHEMICAL STORAGE?



ASK THE FOLLOWING QUESTIONS CONCERNING YOUR FACILITY AND CHEMICAL STORAGE?

- Are you storing a large amount of a material that requires a Safety Data Sheet?
- Are you storing an Extremely Hazardous Substance (See EPA's List of Lists and your SDS)?
- Does your facility use large equipment like forklifts or high-lows that require large sulfuric acid batteries?
- Do you have large storage vessels or containers onsite?



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HOW DO YOU DETERMINE IF YOUR FACILITY NEEDS TO REPORT?

- Do a thorough inventory of your chemical storage.
- Convert all chemical volumes and weights into pounds to determine if you are above reporting thresholds.
- Review the State and Federal Requirements
- Consult State and Federal regulatory chemical lists.



CHEMICAL CATEGORIES

There are two chemical categories you should be looking at when evaluating your chemical storage.

- **Hazardous Chemicals** – Chemicals that have a SDS
- **Extremely Hazardous Chemicals** – Chemicals that are listed in EPA's List of Lists and have a Threshold planning Quantity or TPQ

What are you storing?

CHEMICAL CATEGORIES

- ✓ ■ Hazardous Chemical Inventory
- Extremely Hazardous Substances



HAZARDOUS SUBSTANCES

- OSHA defines **hazardous substance** as any substance that has a physical or health hazard.
- OSHA requires that a Safety Data Sheet (SDS) be maintained for each **hazardous** substance.
- OSHA does not require a SDS for Hazardous Waste.
It is advised that you report it!!!

HAZARDOUS SUBSTANCES?

- There is **NO LIST** of these “OSHA” hazardous substances.



CHEMICAL CATEGORIES

- Hazardous Chemical Inventory
Sections 311 & 312



- Extremely Hazardous Substances
Inventory



EXTREMELY HAZARDOUS SUBSTANCES

- **Extremely Hazardous Substances (EHS)**
Includes any chemicals or hazardous substances identified by the Environmental Protection Agency (EPA) based on hazard or toxicity and posted in **U.S. EPA's List of Lists**.

WHAT'S NEXT?

- Are you storing chemicals above regulatory thresholds (check regulatory chemical lists)?
- Convert all your chemical weights and volumes into pounds?
- Are you subject to SARA Title III Tier II Reporting?

HAZARDOUS SUBSTANCES THRESHOLDS FOR SARA TITLE III - TIER II REPORTING

SARA Title III - Section 311 and 312

Thresholds for SARA Title III-Tier II reporting:

- OSHA hazardous substances = 10,000 pounds

*Largest amount on site at any **one time** during the previous calendar year in **storage and in process**.*

- Requests by LEPC/Fire Dept. = zero pounds

Note: If you are storing 500 pound or more of an EHS under Section 311 and 312 of SARA Title III, it needs to be reported on a Tier II Report (see Thresholds for EHS slides)

EXTREMELY HAZARDOUS SUBSTANCES THRESHOLDS FOR SARA TITLE III - TIER II REPORTING

SARA Title III - Section 302, 311 and 312

Thresholds for SARA Title III - Tier II reporting:

- An Extremely Hazardous Substance (EHS) stored at or above the listed **Threshold Planning Quantity (TPQ)** Section 302 of SARA Title III. Check EPA's List of Lists.
- **500 pounds** or more of an EHS under Sections 311 and 312 of SARA Title III

Example EPA List of List

US EPA: List of Lists

EPA 550-B-24-001

Name	CAS Number/ 313 Category Codes	Comptox	CAA 112(r)(7) TQ	CERCLA HS RQ	CWA 311(j)(5) HS TQ	EPCRA 302 EHS TPQ	EPCRA 304 EHS RQ	EPCRA 313 TRI	RCRA Code
2-Acetylaminofluorene	53-96-3	DTXSID0039227		1				313	U005
Acetyl bromide	506-96-7	DTXSID5060140		5,000	5,000,000				
Acetyl chloride ⁽¹⁾	75-36-5	DTXSID2023852		5,000	5,000,000				U006
Acetylene	74-86-2	DTXSID6026379	10,000						
1-Acetyl-2-thiourea	591-08-2	DTXSID4060446		1,000					P002
Acifluorfen, sodium salt	62476-59-9	DTXSID7023853						313	
Acrolein	107-02-8	DTXSID5020023	5,000	1	1,000	500	1	313	P003
Acrylamide	79-06-1	DTXSID5020027		5,000		1,000/10,000	5,000	313	U007
Acrylic acid	79-10-7	DTXSID0039229		5,000				313	U008
Acrylonitrile	107-13-1	DTXSID5020029	20,000	100	100,000	10,000	100	313	U009
Acrylyl chloride	814-68-6	DTXSID1061150	5,000			100	100		
Adipic acid	124-04-9	DTXSID7021605		5,000	5,000,000				
Adiponitrile	111-69-3	DTXSID3021936				1,000	1,000		
Alachlor	15972-60-8	DTXSID1022265						313	
Alcohols, C8-14, γ-ω-perfluoro	68391-08-2	DTXSID70883049						313	U006
Alcohols, C8-16, γ-ω-perfluoro, reaction products with 1,6 diisocyanatohexane, glycidol and stearyl alc.	2728655-42-1	DTXSID801343425						313	U008
Aldicarb	116-06-3	DTXSID0039223		1		100/10,000	1	313	P070
Aldicarb sulfone	1646-88-4	DTXSID6023862		100					P203
Aldrin	309-00-2	DTXSID8020040		1	1,000	500/10,000	1	313	P004
Alkenes, C8-14 α-, δ-ω-perfluoro	97659-47-7	DTXSID60882006						313	
Alkyl iodides, C4-20, γ-ω-perfluoro	68188-12-5	DTXSID60881973						313	
d-trans-Allethrin	28434-00-6	DTXSID2039336						313	P098
Allyl alcohol	107-18-6	DTXSID8020044	15,000	100	100,000	1,000	100	313	P005
Allylamine	107-11-9	DTXSID8024440	10,000			500	500	313	
Allyl chloride	107-05-1	DTXSID4039231		1,000	1,000,000			313	
Aluminum (fume or dust)	7429-90-5	DTXSID3040273						313	
Aluminum oxide (fibrous forms)	1344-28-1	DTXSID2041593						313	
Aluminum phosphide	20859-73-8	DTXSID1023867		100		500	100	313	P006
Aluminum sulfate	10043-01-3	DTXSID2040317		5,000	5,000,000				

For Reference Only

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Version: April 2025

EXTREMELY HAZARDOUS SUBSTANCES THRESHOLDS

SARA Title III - Section 302

Thresholds for SARA Title III - Tier II reporting:

- If you are at or above *Threshold Planning Quantities* for an Extremely Hazardous Substance, you are also subject to *Emergency Planning* requirements in SARA Title III and must submit an emergency response plan to your local fire department and LEPC.

TIER II REPORTING CHEMICAL CATEGORIES AND THRESHOLDS

Hazardous
Chemicals
(311 and 312)

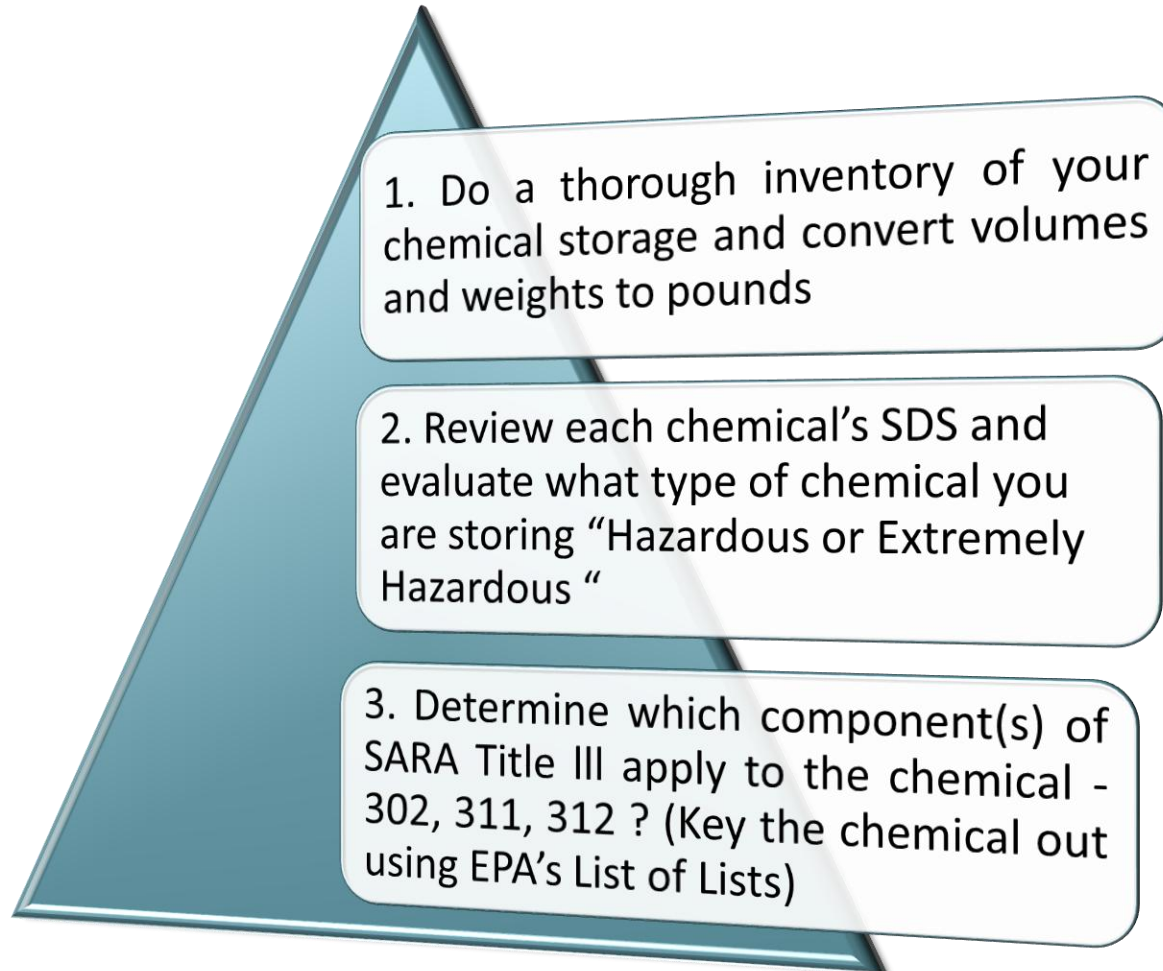
- 10,000 lbs Minimum
- No List Just has a SDS
- 500 lbs of an EHS

Extremely
Hazardous
Chemicals
(302)

- EPA Listed Chemicals
- Any amount equal or greater than the TPQ

TIER II Reporting

TIER II REPORTING REVIEW



TIER II REPORTING

- If you find that your facility is are above thresholds for a Hazardous Material or an Extremely Hazardous Material your facility is required to do Tier II Reporting.
- All chemical storage above regulatory thresholds must be reported.

Online Tier II Reporting

- All facility Tier II reports must be entered in the online program.
- EGLE uses the Tier II Manager™ program to collect and manage Tier II Reports for the State of Michigan's SARA Title III Program.

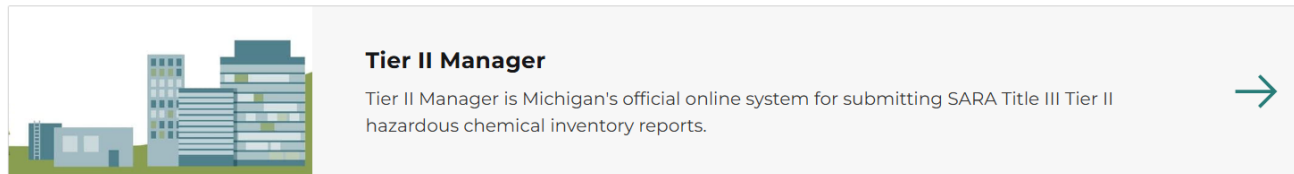
***Please do not submit paper copies of your Tier II Report to the State of Michigan**

Accessing Tier II Manager™

Open Your Internet Browser and Enter
the Following EGLE Website:

egle-hazconnect.michigan.gov/Account/Login.aspx

- Click on the “Tier II Manager button” on the EGLE Website:



Accessing Tier II Manager™



Michigan SARA Title III Program
Department of Environment, Great Lakes, and Energy
PO Box 30457, Lansing, MI 48909-7957
Phone :517-284-7272, Fax :517-241-0858

Online TIER II MANAGER™

If you are new to Tier II Manager and need a new account, click here.

You must register before using this Online Reporting System.

[REGISTER](#)

If you have previously registered, please proceed with Log In.

Already registered? Enter your account credentials here to sign in

Log In

Username

Password

[Log In](#)

[Forgot Username?](#)

[Forgot Password?](#)

[Reset Password?](#)

SYSTEM REQUIREMENTS

- You need to use Internet Explorer 11 or higher, Firefox 59 or higher, or Chrome 62 or higher. Using older versions may create problems.
- You will need Adobe Acrobat Reader to use this System. [Download the Adobe Reader.](#)
- You need to enable javascript and turn off the pop-up blocker in your browser.
- If you encounter any problem, contact your technology desk to verify whether you have these requirements.
- Cookies need to be enabled in your browser. It is enabled by default.

Developed By 

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Version: 5.3

Note: Tier II Manager may ask you to change your password and update your user profile upon login. Follow the prompts

Emergency Planning

- Now that you know you have EHS and that you need to Report the next step is you must create an On-Site Emergency Response Plans, for what happens if you have an incident.
- You are required to coordinate with your Local Emergency Planning Committee (LEPC).

Emergency Plan Requirements Pt 1

- Each emergency plan shall include (but is not limited to) each of the following:
- Identification of Section 302 regulated facilities, Extremely Hazardous Substance transportation routes, and additional facilities that add risk or have risk because they are located near high-risk facilities or transportation routes (e.g., natural gas facilities or hospitals)
- Description of response procedures for facility owners and operators, local emergency personnel, and local medical personnel
- Designation of a community emergency coordinator and facility emergency coordinators

Emergency Plan Requirements Pt 2

- Outline of release notification procedures
- Description of methods for determining when releases have occurred and evaluating what the affected areas or populations are
- Description of community and industry resources available for response
- Outline of evacuation plans
- Description of training program for emergency response and medical personnel
- Description of methods and schedules for exercising the emergency plan

LEPC Coordination

- A key organization companies can coordinate with is the LEPC.
- The focus of the LEPC is to plan the community's response to Chemical Incidents
- A benefit to do coordination is they can assist you in the development of your ERP.

ERP Exercise

- One requirement is that you exercise your plan after you develop it.
- This can either be a full-scale exercise or you can start simple with a tabletop exercise.
- The LEPC can assist you with coordination, planning assistance, and helping with physical organization of the event.

Release Notification

- If you have a release as the responsible party, you are required to notify the National Reporting Center (NRC) immediately.
- Immediately is defined as within 15 minutes of finding the release.
- Additionally, you will need to call EGLEs Pollution Emergency Alerting System (PEAS).

Notification Numbers

- **NRC:** 800-424-8802
- **PEAS:** 800-292-4706
- **Dispatch:** 911

Hazmat Training Center Expansion

EXPANSION

- Construction started beginning of August of 2025 and ended early in Mid-March
- Adding a Classroom
- Adding Office Space
- Both classrooms have access to garage & visibility to the Training Yard
- Adding Bathrooms
- Adding Conference Room/Break out Space



HAZMAT Training Calendar

2025 | 2026 HAZMAT TRAINING COURSES

COURSES SCHEDULED

- Hazardous Waste Operations (HAZWOPER) 8-Hour Refresher
- Hazardous Waste Operations and Emergency Response (40-Hour HAZWOPER) EPA 165.5
- Electric Vehicles (EV) Operations Level Responder
- ICS 300-Intermediate ICS for Expanding Incidents
- ICS 400-Advanced ICS Command & General Staff-Complex Incidents
- Chemistry of Hazardous Materials Part I
- Chemistry of Hazardous Materials Part II
- Chemistry of Hazardous Materials Refresher
- Hazardous Materials Technician
- Hazardous Materials Technician Level Response - EPA
- Flammable Gas Specialist
- Railcar Specialty for Hazardous Materials Technician
- 2026 Michigan Hazmat Responder Conference



**This schedule is subject to change.
Any class information posted on the PDLC is accurate.*

APRIL 2026

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MAY 2026

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

JUNE 2026

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JULY 2026

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19	20	21	22	23	24	25
26	27	28	29	30	31	

AUGUST 2026

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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SEPTEMBER 2026

S	M	T	W	T	F	S
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6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

EMHSTC@MICHIGAN.GOV • 517-284-3821 • michigan.gov/hazmatcourses

EMHSTC Contact Info

- **EMHSTC@MICHIGAN.GOV**
MICHIGAN.GOV/HAZMATCOURSES
517-284-3821

ON FACEBOOK
FACEBOOK.COM/MICHEMHS

QUESTIONS?

Wendy Galbreath, Manager
GalbreathW@michigan.gov

EPA On Scene Coordinators

- The EPA OSC's are always available to you, they are very interested in participating in LEPC meetings as well as our exercises.
- If you have an incident, they will not take over command they will advise and assist and will encourage a Unified Command structure.
- They have very specific guidance they operate under which is called National Oil and Hazardous Substances Pollution Contingency Plan (NCP).
- If you would like to contact them, email Tricia Edwards at edwards.tricia@epa.gov



51st Civil Support Team

- Mission: To support civil authorities at a domestic Chemical, Biological, Radiological and Nuclear high-yield Explosives (CBRNE) incident site by identifying CBRNE agents/substances, assessing current or projected consequences, advising on response measures, and assisting with appropriate requests for additional follow-on state and federal military forces. Units can also provide immediate response for intentional and unintentional CBRN or hazardous material (HAZMAT) releases and natural or manmade disasters that result in, or could result in, catastrophic loss of life or property.
- They have Regional based LNOs that are more than willing to come train fire fighters on any hazmat monitors or equipment that they may have. This includes coming to calibrating said equipment for them.



EGLE Incident Management

- The Incident Manager serves as a singular point of contact between local, county, state and federal government incident management personnel, on a statewide basis. The Incident Manager provides oversight of response actions to ensure compliance with state and federal regulations and incident management standards of performance..
- Tasks are multidimensional including preparedness for, prevention and mitigation of, response to and recovery from many types of disasters, emergencies and major events to include the most serious and complex incident “types” as defined by the National Incident Management System (NIMS).
- They are regionally based on EGLEs Regions which are different from EMHSD/MSP Districts
- Great resource if you have an environmental incident work hand in had with the EPA OSC.



SARA TITLE III REPORTING QUESTIONS?



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Michigan SARA Title III Program

- EGLE-sara@michigan.gov
- www.michigan.gov/sara

**MICHIGAN
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SARA TITLE III: LEPC AND EMERGENCY PLANNING QUESTIONS?

Michigan State Police

Emergency Management and
Homeland Security Division

Thomas E. Matzke:
matzket@michigan.gov
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www.michigan.gov/emhsd

ENVIRONMENTAL PROGRAM QUESTIONS

EGLE Environmental Assistance Center

- Your Index to EGLE
- 800-662-9278
- EGLE-assist@michigan.gov

www.michigan.gov/EGLE



Questions?

