SARA Title III
Sections 302 & 303

• Emergency Planning
Look at the list of extremely hazardous substances (EHSs) in Appendix A of this guidebook. Does your facility have any of the EHSs on site? Keep in mind that these substances might be ingredients in products that you have. If yes, then your facility might be subject to important requirements designed to help protect you, your community and the emergency responders. The implementing regulations for section 302 are codified in 40 CFR part 355.

**Is My Facility Subject to SARA Title III Emergency Planning Requirements?**

A facility is subject to the emergency planning requirements in section 302 of SARA Title III if it has an EHS on site in an amount equal to or greater than its threshold planning quantity (TPQ).

The TPQs are in pounds and are included in Appendix A. This is the total amount of an EHS present at any one time at a facility (in storage and in process) at concentrations greater than one percent (1%) by weight, regardless of location, number of containers, or method of storage.

**Special Calculations for Non-Reactive Solid EHSs**

There are 157 EHSs on the list in Appendix A that have two TPQ values. These are the non-reactive solid EHSs. If any of these are at your facility, you will want to read this section. The form of the solid will determine which TPQ should be used.

If the EHS is in:
- powder form (particle size less than 100 microns),
- solution, or
- molten form,

compare to the lower TPQ value.

Otherwise, compare the solid form (particle size ≥ 100 microns) to the higher TPQ value of 10,000 pounds.

You must aggregate the amounts of an EHS at the facility and compare the total to the TPQ. This aggregate amount is used to determine if the EHS must be included in the hazardous chemical inventory and/or if it is subject to emergency planning. If the total amount of the EHS equals or exceeds 500 pounds or the TPQ it must be included in the hazardous chemical inventory (see chapter 3). For the emergency planning determination, there is an additional calculation for solids in solution and in molten form that is applied before comparing to the TPQ.

- If the EHS is in solution, multiply the amount of the EHS by 0.2 and compare to the lower TPQ.
- If the EHS is in molten form, multiply the amount of the EHS by 0.3 and compare to the lower TPQ.

*These calculations are ONLY used for the section 302 emergency planning determination.*
Example:
A facility has acrylamide. This is an EHS and the TPQ is 1000/10,000. Here is the inventory:
- 6000 pounds of solid acrylamide (particle size ≥ 100 microns),
- 500 pounds of acrylamide in powder form (particle size < 100 microns), and
- 1000 pounds of acrylamide in solution.

For reporting purposes, the acrylamide will be treated as 2 separate chemicals based on which TPQ value applies. The amount of acrylamide in solid form must be compared to the higher TPQ of 10,000 pounds. The amounts of the acrylamide in power form and in solution must be added together and compared to the lower TPQ of 1000 pounds.

The solid acrylamide will be included in the hazardous chemical inventory because the amount (6000 pounds) exceeds 500 pounds. It is not subject to emergency planning because the amount is less than the TPQ of 10,000 pounds.

The total amount of acrylamide in powder form and in solution is 1500 pounds. This must be included in the hazardous chemical inventory because it exceeds 500 pounds. Before I can determine if it is subject to emergency planning, I will multiply the 1000 pounds in solution by 0.2. This equals 200 pounds. The aggregate amount of acrylamide for emergency planning purposes is 700 pounds (500 pounds in powder form plus 200 pounds in solution). It is not subject to emergency planning because it is less than the TPQ of 1000 pounds.

What Are the Emergency Planning Requirements?
If a facility is subject to section 302 of SARA Title III, the owner or operator must:

1. Complete an Emergency Planning Notification and submit it to:
   a. the State Emergency Response Commission (SERC) and
   b. the Local Emergency Planning Committee (LEPC)

   The Michigan SARA Title III Program receives notifications on behalf of the SERC. The Emergency Planning Notification includes the name and contact information of the facility emergency coordinator. This is the facility representative who will participate in the local emergency planning process.

2. Promptly provide to the LEPC any information necessary for the development or implementation of the off-site plan upon request by the LEPC.

3. Notify the LEPC of any changes that affect emergency planning within 30 days after the change. Reportable changes might include the amount or storage location of the EHS, new chemicals, or updated facility contact information.

   The emergency planning notification is a one-time report that must be submitted within 60 days after the threshold is reached. You can edit and recertify the notification at any time.

Under section 303 of SARA Title III, the LEPC must write an off-site emergency response plan that addresses the protection of the community in the event that there is a release of an extremely hazardous substance from a facility subject to section 302. To meet this requirement, Michigan LEPCs typically obtain information from the facility emergency coordinators to write plans for each of the facilities subject to section 302. The facility input is important because the off-site response plan
must describe the procedures to be followed by the facility once a release is detected. These plans are coordinated with the county or city emergency operations plan or emergency action guidelines. The finished plans are then shared with the local fire departments and emergency responders.

**What Is the Emergency Planning Notification?**

The emergency planning notification, also called the **Section 302 Report**, identifies the facility emergency coordinator that the LEPC may contact for information needed to complete the offsite emergency plan. It also includes the amounts of all EHSs that exceed the TPQ. It can be accessed on the Submissions Listing page in Tier II Manager™, the online program used in Michigan. See chapter 3 for Tier II Manager™ instructions.

Here is an example Section 302 Report.

```
Facility Emergency Coordinator

Name: Susan Parker
Phone: 5173354650X23 24 Hr Phone: 517373481
Address: 1234 this st
City: Lansing
State: Michigan
Email: 
Company Name: Susan's Dummy

Check here if the facility is Exempt from 302 reporting because it is not storing any EHS chemicals which are over the TPQ
Initiated Date: 11/26/2008 3:14:50 PM

Chemical Information

<table>
<thead>
<tr>
<th>Select Chemical from Tier II</th>
<th>Search EHS</th>
<th>CAS</th>
<th>EHS Name</th>
<th>EHS Quantity (lbs)</th>
<th>TPQ Value</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>![](Select Chemical)</td>
<td>79-06-1</td>
<td>ACRYLAMIDE</td>
<td>1740000</td>
<td>1,000/10,000</td>
<td>ACRYLAMIDE</td>
<td></td>
</tr>
<tr>
<td>![](Select Chemical)</td>
<td>7697-37-2</td>
<td>NITRIC ACID</td>
<td>350000</td>
<td>1,000</td>
<td>NITRIC ACID</td>
<td></td>
</tr>
<tr>
<td>![](Select Chemical)</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

*The Select Chemical from Tier II lookup will only return chemicals existing in the current Tier II data identified as Extremely Hazardous Substance (EHS) with a quantity above its Threshold Planning Quantity (TPQ).*
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If you reported an EHS on your Tier Two report and the reported amount was equal to or greater than the TPQ, you can *[Select Chemical from Tier II]* to import that chemical information into the section 302 notification. The program will not aggregate EHS amounts. You must do that manually. You can manually add an EHS and you can edit the amount if needed. If you manually add an EHS, you should select the chemical from the list that appears when you click on "Search EHS."
How Do I Submit the Section 302 Report?

The Michigan SARA Title III Program and the LEPCs in the counties of Ingham, Kent, Oakland, Ottawa, and Wayne receive your section 302 reports online in Tier II Manager™. Mail a paper copy of the 302 report to all other LEPCs.

Refer to “Printing the Reports” in chapter 3 if a paper copy is needed. Addresses for LEPCs are included on the Michigan SARA Title III Program web site: www.michigan.gov/sara.

Why Is There an Uncertified Section 302 Report in the Online Database?

If you submitted a section 302 report in paper copy prior to 2007 you will see an uncertified report on the Submissions Listing page in the online program. Edit this report to include current information and then certify it.

What If My Facility Is No Longer Subject To Section 302?

If your facility was once subject to section 302, but the EHS(s) has been removed or reduced to below the TPQ, you can report this status change in the online program:
1. Delete any listed EHS(s).
2. Check the box that says the facility is exempt from 302 reporting.
3. Certify the report.
4. Mail a hard copy of the revised notification to the LEPC if it cannot receive the report online.

Related Planning Requirements

The Clean Air Act (CAA) section 112r has facility onsite emergency planning requirements that parallel the SARA Title III off-site emergency planning requirements. Many of the extremely hazardous air pollutants that trigger the development of a Risk Management Plan (RMP) under the CAA section 112r are also on the SARA Title III list of extremely hazardous substances. The List of Lists in Appendix B shows which substances are on both lists. If your facility is subject to SARA Title III section 302, you might want to check the List of Lists to see if it is also potentially subject to the CAA section 112r. If your facility has extremely hazardous air pollutants that meet or exceed the CAA threshold quantity, refer to chapter 5 in this guidebook for the EPA Region 5 contact that can help you determine your facility’s RMP requirements under the CAA regulations.

Appendix C in this guidebook contains the Part 5 rules, Spillage of Oil and Polluting Materials that were promulgated pursuant to Part 31, Water Resources Protection, of Michigan's Natural Resources and Environmental Protection Act. These rules require that certain facilities develop a pollution incident prevention plan (PIPP). The PIPP can be a stand-alone plan, or it may be incorporated into an integrated contingency plan (ICP). Facilities that develop a PIPP, must notify their LEPC within 30 days after its completion that the plan is completed and that it is available upon request.
The Michigan Fire Prevention Code, Public Act 207, requires that the owners and operators of facilities provide the fire department with the quantities and locations of chemicals specified by the fire chief. The data are used by the fire chief to develop a plan for the protection of the fire fighters. The chemicals that must be reported under Act 207 include all hazardous chemicals at the facility in amounts that would be of concern to a responder entering the facility.

Where can I find more emergency planning information?

Chapters 1 & 5 of this guidebook

On the Internet: www.michigan.gov/deqemergencyplan

The Environmental Assistance Center at 800-662-9278 or Email: deq-assist@michigan.gov

The Michigan SARA Title III Program at 517-373-8481 or Email: deq-sara@michigan.gov