LOCAL EMERGENCY PLANNING COMMITTEE HANDBOOK

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Michigan Citizen-Community
MCCERCC
Emergency Response Coordinating Council

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CHAPTER ONE
Summary of SARA Title III – What LEPCs Need to Know

SARA Title III – Emergency Planning and Community Right-to-Know Act

The U.S. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) was enacted by Congress in 1980 to clean up the nation's hazardous waste sites and provide emergency response to releases of hazardous substances into the environment. CERCLA is also known as the "Superfund Act," and sites managed under this program are referred to as "Superfund" sites. In response to continuing community concern regarding hazardous materials and chemical release tragedies, a reauthorization and expansion of Superfund was signed into law in 1986. It is known as the Superfund Amendments and Reauthorization Act (SARA). Title III of SARA (SARA Title III) is the Emergency Planning and Community Right-To-Know Act (EPCRA).

SARA Title III establishes requirements for federal, state, and local governments, Native American Tribes, and industry regarding emergency planning and “community right-to-know” reporting on hazardous and toxic chemicals. The community right-to-know provisions help increase the public’s knowledge and access to information on chemicals at individual facilities, their uses, and releases into the environment. States and communities, working with facilities, can use the information to improve chemical safety and protect public health and the environment.

SARA Title III is a federal act that is implemented in Michigan under an Executive Order (2007-18) from the Governor. In accordance with the act, the Governor established the State Emergency Response Commission (SERC), known in Michigan as the Michigan Citizen-Community Emergency Response Coordinating Council (MCCERCC). The MCCERCC is comprised of 19 members appointed by the Governor and is chaired by the commander of the Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD).

- The MSP/EMHSD oversees Local Emergency Planning Committee (LEPC) activities and the emergency planning requirements in SARA Title III on behalf of the MCCERCC.
- The Michigan SARA Title III Program within the Michigan Department of Environmental Quality (DEQ) manages the reporting requirements in SARA Title III and receives all reports on behalf of the MCCERCC.

The U.S. Environmental Protection Agency (EPA) enforces SARA Title III. The regulations implementing SARA Title III are codified in Title 40 of the Code of Federal Regulations, parts 350 through 372 (40 CFR 350-372).

SARA Title III requires that the SERC establish LEPCs. There are 87 LEPCs in Michigan.

What Does SARA Title III Cover?

SARA Title III has four major components.

- Emergency Planning (Sections 302 and 303).
- Emergency Release Notification (Section 304).
- Hazardous Chemical Inventory (Sections 311 and 312).
- Toxic Chemical Release Inventory (Section 313).

The chemicals covered by each of the sections are different, as are the quantities that trigger reporting. Each of these components is discussed below.

Emergency Planning (Sections 302 and 303)

The emergency planning sections are designed to develop state and local governments' emergency response and preparedness capabilities through better coordination and planning, especially within the local community. Section 302 requires facilities to determine if they have any extremely hazardous substances (EHS) located on-site above a Threshold Planning Quantity (TPQ). Off-site emergency response plans are developed by LEPCs under Section 303 and contain information that community officials can use at the time of an accidental chemical release. These plans address the community response to accidental releases of (EHSs) from certain facilities in an LEPC’s planning district.

Local Emergency Planning Committee

The LEPC membership must include, at a minimum, elected state and local officials, police, fire, civil defense, public health professionals, environmental, hospital, and transportation officials, as well as representatives of facilities subject to the emergency planning requirements, community groups, and the media. The LEPC must establish rules, give public notice of its activities, and establish procedures for handling public requests for information.

Emergency Response Plans

The LEPC's primary responsibility is to develop off-site emergency response plans that community officials can use at the time of a chemical accident. The LEPC must review these plans at least annually. In developing these plans, the LEPC identifies available resources to prepare for and respond to a potential chemical accident. These plans must be written for all facilities that are subject to Section 302, namely those that have EHSs on-site in amounts above certain thresholds.

The emergency response plans must be reviewed by the MCCERCC. Regional response teams composed of federal regional officials and state representatives may review the plans and provide assistance to LEPCs upon request.

Planning activities of LEPCs and facilities should initially focus on, but are not necessarily limited to, the EHSs. The plans must:

- Identify facilities subject to Section 302.
- Identify routes likely to be used for the transportation of EHS.
- Identify facilities contributing to or subjected to risk due to their proximity to the facilities subject to Section 302, such as hospitals or natural gas facilities.
- Describe emergency response procedures, on-site and off-site.
- Designate a community coordinator and facility coordinator(s) to implement the plan.
- Outline emergency notification procedures.
- Describe methods for determining the occurrence of a release and the area or population likely to be affected by such a release.
- Describe local emergency equipment and facilities, and identify persons responsible for them.
- Outline evacuation plans, including primary and alternate evacuation routes.
- Describe a training program for emergency response and medical personnel (including schedules).
- Present methods and schedules for exercising emergency response plans.

Facilities are required to notify LEPCs if they are subject to emergency planning requirements. There are 355 EHSs published by EPA in the Federal Register. If a facility has any of the listed chemicals at or above its associated TPQ, it must notify the MCCERCC (by reporting to the Michigan SARA Title III Program) and the LEPC that it is subject to the SARA Title III Emergency Planning requirements. This one-time notification must be made within 60 days after the facility first receives a shipment that causes it to meet or exceed the TPQ for that substance. In addition, the MCCERCC or the Governor can designate additional facilities, after public comment, to be subject to these requirements. As soon as facilities are subject to the emergency planning requirements, they must designate a representative to participate in the planning process.

> *Details of Section 302 Emergency Planning Notification procedures and the list of EHSs with associated TPQs are in Chapter Six. Section 303 Planning Requirements are described in Chapter Seven*.

Emergency Release Notification (Section 304)

If there is a release of a hazardous substance from a facility into the environment that is equal to or exceeds the minimum reportable quantity set in the regulations, the facility must immediately (within 15 minutes of discovery) notify the U.S. Coast Guard, National Response Center, and the MCCERCC by calling the DEQ Pollution Emergency Alerting System (PEAS) hotline and their LEPC. This requirement covers the 355 EHSs, as well as more than 700 listed hazardous substances subject to the emergency release notification requirements under CERCLA Section 103(a) (published in 40 CFR 302). Some chemicals are common to both the EHS and CERCLA lists. Initial notification can be made by telephone, radio, or in person.

A written follow-up notice must be submitted to the Michigan SARA Title III Program and LEPC within 30 days of the incident. The follow-up notice must update information included in the initial notice and provide

information on the actual response actions taken and advice regarding medical attention necessary for citizens exposed to the released chemical.

Hazardous chemical inventory reporting applies to any facility that is required to maintain a Safety Data Sheet (SDS) in accordance with the Occupational Safety and Health Administration (OSHA) regulations. In Michigan, facilities submit hazardous chemical inventories to the Michigan SARA Title III Program through the DEQ, LEPCs, and local fire departments. These inventories provide valuable information regarding hazard potential to the first responders in the event of a chemical release emergency. The hazardous chemical inventory data are not posted publicly; however, the public may request copies of the hazardous chemical inventory reports for specified facilities and the most recent calendar year from the LEPC under the community right-to-know provisions of SARA Title III. All requests must be specific and reasonable.

Details of the hazardous chemical inventory reporting requirements are in Chapter 4.

Toxic Chemical Release Inventory (Section 313)

Section 313 of SARA Title III is commonly referred to as the Toxic Chemical Release Inventory (TRI). Section 313 requires certain facilities to complete a report annually for specified chemicals. The report must be submitted to both the EPA and the Michigan SARA Title III Program by July 1, and covers releases and other waste management of listed toxic chemicals that occurred during the preceding calendar year. Facilities also must report information on source reduction, recycling, and treatment under the Pollution Prevention Act of 1990. The regulations covering Section 313 can be found in 40 CFR 372.

A facility is subject to TRI reporting if it meets three criteria:

- Has 10 or more full-time employees (FTEs) (or the equivalent of 20,000 FTE hours per year).
- Is a "covered" industry based on its primary Standard Industrial Classification (SIC) code.
- Manufactures (including import), processes, or otherwise uses a listed toxic chemical above an activity threshold.

Other SARA Title III Provisions

SARA Title III Penalties

Section 325 of the SARA Title III addresses the penalties for failures to comply with the requirements of this law. Civil, administrative, and criminal penalties can be assessed. The penalty limits are codified in current regulations for certain violations as follows:

- 40 CFR 355.30 - 355.43 – (EPCRA Section 304): Any person who fails to comply with emergency release notification requirements shall be liable for civil penalties of up to $53,907 per day per violation. This both for the immediate release notification and the written follow-up report. Civil penalties are higher for subsequent violations.
- 40 CFR 370.30 – (EPCRA Section 311): Any person who violates hazardous chemical inventory reporting requirements (SDS) shall be liable for civil and administrative penalties of not more than $21,563 per chemical, per point of violation, and per day of violation.
- 40 CFR 370.40 – (EPCRA Section 312): Any person who violates hazardous chemical inventory reporting requirements (TIER II) shall be liable for civil and administrative penalties of not more than $53,907 per day per violation.

Section 326 allows citizens to initiate civil actions against the EPA, SERCs, and the owner or operator of a facility for failure to meet certain SARA Title III requirements. A SERC, LEPC, and state or local government may institute actions against facility owner/operators for failure to comply with SARA Title III requirements. In addition, states may sue the EPA for failure to provide trade secret information.

Public Access

Section 324 of the EPCRA provides for public access to information gathered under this law. Under this section, all SDSs, hazardous chemical inventory forms, toxic chemical release inventory forms, follow-up emergency release notices, and the emergency response plan must be made available during normal working hours at the location designated by the LEPC, except where trade secret provisions apply, or if the facility has requested that the location of a chemical be kept secret. The LEPCs do not have toxic chemical release inventory forms. The LEPC must publish a notice annually to inform the public of the availability and location of the information provided to the LEPC. This notice may be published in the local paper, on a

publicly available website and in a public building, or any other form of mass media that would allow for the general public to review.

Michigan's SARA Title III Program

SARA Title III is a federal act and is enforced in Michigan by the U.S. EPA. The requirements are implemented in Michigan under an executive order from the Governor. The MCCERCC has been assigned the duties of the SERC.

SARA Title III Reporting

The Michigan SARA Title III Program in the DEQ oversees reporting under SARA Title III and receives all reports on behalf of the MCCERCC. The state of Michigan requires facilities to submit Tier II reports via the Tier II Manager online program. The state of Michigan does not charge submission fees for Tier II reporting.

SARA Title III Emergency Planning

The MSP/EMHSD oversees the planning requirements of SARA Title III in Michigan. The MSP/EMHSD reviews the off-site emergency plans on behalf of the MCCERCC. The MSP/EMHSD is the contact for LEPCs regarding organization, duties, and membership rosters.

SARA Title III Planning Contact Information:

Michigan State Police
Emergency Management and Homeland Security Division
7150 Harris Drive
Dimondale, Michigan 48821
Website: www.michigan.gov/MCCERCC
Email: MSP-EMHSD@michigan.gov
Phone: 517-284-3745

SARA Title III Reporting Contact Information

Michigan Department of Environmental Quality
525 West Allegan Street
Lansing, Michigan 48929
Website: www.michigan.gov/SARA
Email: DEQ-SARA@michigan.gov
Phone: 517-284-7272

Summary of SARA Title III Reporting Requirements in Michigan

SARA TITLE III SECTION	REPORT REQUIREMENT	REPORT FORM	REPORT DUE	AGENCIES TO RECEIVE REPORTS		
302	Emergency Planning Notification	Emergency Planning Notification online report (preferred) or hard copy	Within 60 days after threshold reached	Michigan SARA Title III Program	Local Emergency Planning Committee (LEPC)	
304	Emergency Chemical Release – Initial Notification		Within 15 minutes after discovery	Pollution Emergency Alerting System (PEAS) at 1-800-292-4706; or Agriculture Hotline at 1-800-405-0101	All LEPCs potentially affected by the release	U.S. Coast Guard National Response Center (NRC) at 1-800-424-8802
304	Emergency Chemical Release – Written follow-up	Spill or Release Report	Within 7 days after release is discovered.	Michigan SARA Title III Program	All LEPCs affected by the release	
311	Safety Data Sheet Reporting	Online report form	Within 3 months after threshold reached	Michigan SARA Title III Program	LEPC	Local fire department
312	Tier II – Emergency Planning and Hazardous Chemical Inventory	Online Tier II Report	Annually, by March 1	Michigan SARA Title III Program	LEPC	Local fire department
313	Toxic Chemical Release Inventory Form R	Online Form R	Annually, by July 1	Michigan SARA Title III Program	US EPA TRI Data Processing Center	

CHAPTER TWO
The Michigan Citizen-Community Emergency Response Coordinating Council

Creation

The SARA Title III mandated that each state governor appoint a State Emergency Response Commission (SERC). This commission could be comprised of a single agency or representatives of various groups. In accordance with this law, Executive Order 1987-5, established the Michigan Emergency Planning and Community Right-to-Know Commission on April 17, 1987. On August 29, 2007, Governor Jennifer Granholm announced a reorganization of the SERC. Executive Order 2007-18 rescinded Executive Order 1987-5 and combined the SERC's functions with those of the Michigan Hazard Mitigation Council and the Michigan Citizen Corps Council. The new committee is formally called the Michigan Citizen-Community Emergency Response Coordinating Council (MCCERCC) and is designated as the SERC in the Executive Order.

Composition

The MCCERCC is comprised of 19 members:

- Department of Agriculture and Rural Development (or his or her designee).
- Department of Health and Human Services (or his or her designee).
- Department of Environmental Quality (or his or her designee).
- Department of Military and Veteran's Affairs (or his or her designee).
- Department of State Police (or his or her designee).
- Department of Transportation (or his or her designee).
- State Fire Marshal (or his or her designee).
- Executive Director of the Michigan Community Service Commission (or his or her designee).
- Eleven other members appointed by the Governor.

Council Duties Related to SARA Title III

- Designate emergency planning districts to facilitate preparation and implementation of emergency response plans.
- Appoint members to Local Emergency Planning Committees (LEPCs) within each emergency planning district.
- Supervise and coordinate the activities of LEPCs.
- Designate an official to serve as coordinator for information.
- Receive and process requests from the public regarding emergency response plans, SDSs, hazardous chemical inventory forms, toxic chemical release inventory forms, and emergency release notices.
- Review and make recommendations on emergency response plans submitted by LEPCs.

Michigan Implementation

1. All 83 counties have been designated as emergency planning districts.
2. Municipalities with emergency management programs may petition the MCCERCC to be designated as a SARA Title III emergency planning district.
3. The MCCERCC requests that the chief executive of the emergency planning district submit nominations for LEPC membership.
4. The DEQ administers all reporting and community right-to-know provisions.
5. The MSP/EMHSD administers all emergency planning provisions and serves as chair of the MCCERCC.
6. The MSP/EMHSD oversees LEPC activities.

Meeting Schedule

The MCCERCC meets at the discretion of the chairperson. The meeting schedule and minutes are posted on the MCCERCC website at www.michigan.gov/MCCERCC.

CHAPTER THREE
Creating a Local Emergency Planning Committee (LEPC)

The following describes the steps which must be taken to create a viable Local Emergency Planning Committee (LEPC).

By law, the MCCERCC must designate emergency planning districts. The MCCERCC has established LEPCs in each county. Some municipalities have elected to establish LEPCs separate from their counties.

SARA Title III requires that the following groups be represented on the LEPC:

- Elected state and local officials
- Law enforcement
- Emergency management
- Firefighting
- First aid and health
- Local environmental
- Hospital
- Transportation personnel
- Broadcast and print media
- Community groups
- Owners/operators of facilities subject to the reporting requirements of SARA Title III

Additionally, the MCCERCC recommends that representatives from the following sectors also be appointed to the LEPC:

- Organized labor
- Education
- Agriculture

The MCCERCC requests that the chief executive of the emergency planning district nominate representatives for each of the groups listed above. The chief executive should select persons who would represent each sector and provide the LEPC with expertise and perspective. These individuals must be formally nominated to the MCCERCC by notifying it in writing, listing the name, address, and community group represented. The MCCERCC acts on these nominations. It is possible for an individual to represent more than one group, but no more than three groups should be represented by a single person.

If a municipality wishes to form an emergency planning district and LEPC separate from the county, it must submit a request to the MCCERCC.

The MCCERCC has established a policy whereby municipalities of 10,000 or more population that have created emergency management programs under Act 390, the Michigan Emergency Management Act, may petition the MCCERCC to also be designated as an emergency planning district under SARA Title III. The MCCERCC will request LEPC officer nominations. The jurisdiction then follows the other steps in this chapter to create an LEPC.

Create a Set of Bylaws

Each LEPC should develop and adopt a set of bylaws. Bylaws are a set of rules that govern the operation of the LEPC.

The following should be included in the bylaws:

- Provisions for public notification of committee activities.
- Public meetings to discuss the emergency plan.
- Public comments and response to such comments by the committee.
- Distribution of the emergency plan(s).

In addition, at a minimum, the LEPC bylaws should include:

- Authority for the establishment of the LEPC
- The LEPC jurisdiction

- Its purpose
- Membership nominations
- Term of membership
- Filling of vacancies
- General meeting schedule
- Subcommittees
- Officers and responsibilities
- Rules for governing and conduct
- Fiduciary or financial handlings

Choose Officers

The LEPC must appoint a chairperson, an information coordinator, and a community emergency manager. The manner in which these officers are chosen is not specified. All positions can be appointed or elected, according to the LEPC's bylaws. A local emergency management coordinator receiving federal Emergency Management Performance Grant (EMPG) funding can accept any officer position but not more than two at the same time.

The following are typical tasks performed by LEPC officers:

- Chairperson
  - Opens and conducts LEPC meetings.
  - Establishes the meeting agenda and guides the LEPC through agenda.
  - Maintains the authority to sign and execute contracts on behalf of the LEPC.
  - Authenticates LEPC proceedings (e.g., by signing the minutes).
  - Appoints subcommittees and respective chairs.
  - Typically is a non-voting member except in a tie-breaking situation.
- Vice Chairperson
  - Assumes the roles and responsibilities of the chairperson in the chairperson's absence.
  - Prepares and keeps legible, permanent records (e.g., the minutes) of LEPC proceedings.
  - Authenticates LEPC proceedings.
- Information Coordinator
  - Receives, organizes, and maintains facility reports.
  - Processes all information requests from the public.
- Community Emergency Manager

  (It is highly recommended that the local emergency management coordinator be designated as community emergency manager).

  - Coordinates the development and implementation of site-specific hazardous materials emergency response plans.
  - Receives immediate notification on the LEPC's behalf regarding any hazardous materials release in the jurisdiction.
  - Makes a determination (in conjunction with the facility coordinator) necessary to implement the plan.

Set the Meeting Schedule

In order to maintain an active LEPC, a routine meeting schedule must be established for the calendar year. The LEPC may meet monthly, bimonthly, or quarterly. It is recommended that the LEPC meet, at a minimum, every quarter.

When scheduling LEPC meetings, the LEPC should keep in mind that all public proceedings must be in compliance with the State of Michigan Open Meetings Act of 1976, the State of Michigan and Federal Freedom of Information Act of 1976, and the Federal Americans with Disabilities Act of 1990.

The State of Michigan Open Meetings Act of 1976 states:

- All proceedings should be held in a public place.
- All meeting notices must be posted at a public principal office and may be posted in other prominent public buildings in the jurisdiction.

- A public notice stating the dates, times, and places of its regular meetings shall be posted within ten (10) days after the first meeting in each calendar or fiscal year.
- All minutes are a matter of public record and must be made available for public inspection no more than eight (8) business days after the meeting.
- Approved minutes must be made available for public inspection not later than five (5) business days after the meeting at which the minutes are approved.

Additional information on the Michigan Open Meetings Act may be found online at: https://www.michigan.gov/documents/ag/OMA_handbook_287134_7.pdf.

The State of Michigan Freedom of Information Act of 1976 states:

- Upon oral or written request, the public has the right to inspect, copy, or receive copies of a public record.
- The request for information must be responded to within five business days after the day the request is received.

The federal Americans with Disabilities Act of 1990 states:

- All meetings must be held in places that are barrier free to those who may be physically challenged.
- An offer of reasonable accommodation must be extended to anyone who wishes to attend any LEPC proceeding.

Create LEPC Subcommittees

The number and type of subcommittees that an LEPC creates depends solely on the needs of the LEPC and its members. Subcommittees may be formed and disbanded, as occasions arise, to accomplish initial and ongoing tasks. Subcommittee membership need not be limited to LEPC members. The LEPC is encouraged to invite persons from various sectors of the community for additional input and enhanced expertise.

In determining the type and number of subcommittees to initially establish, the LEPC should examine a number of factors regarding current LEPC status and future expectations and goals.

It is suggested that LEPCs consider forming the following subcommittees:

- A Planning Subcommittee whose responsibilities may include:
    - Assisting in the revision of the hazardous materials response portion of the emergency operations plan/emergency action guidelines.
    - Establishing a vulnerability zone determination methodology.
    - Developing the off-site plans for each Section 302 site.
    - Reviewing the plans annually.
- A Public Information Subcommittee whose responsibilities may include:
    - Writing and publishing public notices.
    - Establishing an information retrieval system.
    - Performing citizen/neighborhood outreach to inform them of plans and other information that is available.
- A Training and Exercising Subcommittee whose responsibilities may include:
    - Collecting Michigan Occupational Health and Safety Act (MIOSHA) training information and compliance statistics.
    - Establishing an exercise schedule and coordinating it with the local emergency management program.
    - Coordinating training programs.

Once a needs assessment has been completed by the LEPC and appropriate subcommittees have been formed, the LEPC may desire to create additional subcommittees to respond to expanded needs/ideas generated from the current LEPC membership. Some examples include:

- An Executive Subcommittee whose responsibilities may include:
    - Appointing chairpersons for each subcommittee.
    - Developing LEPC long-term goals.

    - Tending to LEPC member needs.
    - Reviewing LEPC membership terms and soliciting volunteers to fill vacancies.
    - Being familiar with state, local, and federal laws which impact the hazardous materials planning process.
    - Developing a work plan with timetables for the other subcommittees.

- A Resource Development Subcommittee whose responsibilities may include:
    - Researching the community's resources for emergency response.
    - Identifying alternative resources upon which the community may draw in times of emergencies or disasters.
    - Updating the local resource manual.
    - Identifying other volunteer or in-kind contributions.

- An Emergency Response Subcommittee whose responsibilities may include:
    - Developing emergency response procedures for local government personnel that may be utilized in hazardous materials responses.
    - Establishing local Incident Command System (ICS) procedures to strengthen and coordinate local government emergency response.

- A Finance Subcommittee whose responsibilities may include:
    - Management of the LEPC budget.
    - Examining and recommending funding sources.

Update LEPC Nominations

The LEPC chair must submit all changes to the LEPC officers and general membership at a minimum of once per year. The membership update may be sent to the MSP/EMHSD. Once this update has been submitted to the MSP/EMHSD, unless otherwise notified, the membership of the LEPC is approved as submitted.

Accomplish Identified Objectives

If the LEPC leadership takes steps to maintain a healthy LEPC, as identified in the preceding steps, it will have an easier time accomplishing the tasks as required by law. The LEPC should also review all the suggested tasks listed in each subsequent chapter to become a fully-functioning LEPC.

CHAPTER FOUR
Hazardous Chemical Inventory Report

Sections 311 and 312 of SARA Title III require certain facilities to submit chemical inventory reports, known as Tier II Reports, to their LEPC, the local fire department, and the Michigan SARA Title III Program. All facilities are required to submit their reports online to the Michigan SARA Title III Program using the Tier II Manager system. Facilities should check with their LEPC to find out if the LEPC accepts emailed reports or has access to the Tier II Manager program. Facilities in jurisdictions that do not have access to Tier II Manager should print hard copy reports from the online program and mail the reports to the LEPC and fire department.

LEPCs can use the information in Tier II reports for their off-site response plans and to update existing plans. Many of the facilities that are subject to SARA Title III, Section 302 emergency planning notification must also submit a hazardous chemical inventory under Section 312. This report gives the LEPC information about all the hazardous chemicals at a facility that are present in large amounts. It also tells the LEPC about hazardous chemicals in other facilities in its jurisdiction.

Questions regarding these reporting requirements, or requests for data, should be directed to the Michigan SARA Title III Program within the DEQ at 517-284-7272 or DEQ-SARA@michigan.gov.

LEPC Tasks

- Appoint an information coordinator to manage the storage and retrieval of this information.
- Choose a location and system for the storage of this material so that it can be easily retrieved. Publicize the address where facilities should send their SDSs and Tier forms.
- Respond to written requests from the public for information submitted in reports pursuant to SARA Title III. Specifics of this task are described in the section called Community Right-to-Know Provisions. SARA Title III does not have record retention requirements for Tier II reports. Consult your legal counsel for your jurisdiction's record retention schedule.
- Respond to requests from EPA for information regarding hazardous chemical inventory reports that were received by the LEPC.

LEPC Role in Compliance Issues

If the LEPC identifies a non-compliant facility, the following steps are recommended:

- Talk to the facility owner or operator and explain that they might be subject to reporting under this federal requirement.
- Suggest that they contact the Michigan SARA Title III Program. If the facility does not respond, request that they report and copy the Michigan SARA Title III Program.
- If the facility does not comply, notify the Michigan SARA Title III Program. The Michigan SARA Title III Program will attempt to bring the facility into compliance. If the facility still refuses to respond, EPA will be notified of the issue.

Who Must Submit the Hazardous Chemical Inventory Report?

These reporting requirements apply to any facility that must maintain a SDS in accordance with the (OSHA) Hazard Communication Standard, 29 CFR 1910.1200. The owner or operator must submit the hazardous chemical inventory report if a hazardous chemical present at the facility meets or exceeds the threshold.

Federal agencies were directed by Executive Order No. 12856, signed by President Clinton on August 3, 1993, to comply with all provisions of SARA Title III and the Pollution Prevention Act (PPA).

What Hazardous Chemicals Are Included?

- The criteria for chemicals to be included in the Section 311 report are the same as the criteria for including chemicals in the Section 312 report.
- Hazardous chemicals are those chemicals or substances stored or used in the work place for which OSHA requires employers to maintain SDSs. Over 650,000 products have SDSs required by OSHA. They are referred to here as "OSHA hazardous chemicals."

- There is no list of these OSHA hazardous chemicals. The OSHA hazardous chemicals must have an associated physical and/or health hazard, as defined in the OSHA regulations found at 29 CFR 1910.1200(c).

The physical and health hazards will be described on the SDS. Many non-hazardous substances also have SDSs. Check the SDS to see if the substance has associated physical and/or health hazards. If a substance is not hazardous according to the OSHA definition, the SDS should state that there are "no known hazards." If the SDS does not clearly describe the hazards, the facility should contact the manufacturer or importer of the substance for clarification. It is their responsibility to determine the hazards in accordance with OSHA standards and provide that information in the SDS. Use the National Fire Protection Association (NFPA) numeric hazard rating, and the hazard category description, to help you determine whether or not a Safety Data Sheet (SDS) is describing a hazardous substance.

Reporting Thresholds

The thresholds refer to the total amount of chemicals on-site, in storage, and in process at any one time. The minimum thresholds for reporting are:

- EHS = 500 pounds or the TPQ, whichever is less. The amount of an EHS at a facility (both pure and in mixtures) must be aggregated for purposes of threshold determination. Include the EHS in a mixture if it makes up at least 1 % of the mixture, or 0.1 % if the EHS is a carcinogen. EHSs and their TPQs are listed in Appendix A.
- Gasoline (all grades combined) at retail gas stations, if all gasoline is stored in compliant underground storage tanks (UST) = 75,000 gallons. The term gasoline includes gasohol which is composed of at least 90% gasoline and up to 10% ethanol.*
- Diesel fuel (all grades combined) at retail gas stations, if all diesel fuel is stored in compliant underground storage tanks = 100,000 gallons.*
- All other OSHA hazardous chemicals (except as stated in the next bullet) = 10,000 pounds.
- The threshold for reporting in response to a request from the MCCERCC, LEPC, or local fire department is zero pounds. Regardless of the amount of chemicals on-site, the facility must submit a report if it is asked to do so by one of these entities.

* Retail gas stations are those that sell gasoline and/or diesel fuel primarily to the public for motor vehicle use on land. Tanks are compliant if during the full previous year they were in compliance with all applicable UST requirements in the Michigan Underground Storage Tank rules promulgated pursuant to part 211 of Public Act 451. The gasoline and diesel fuel thresholds do not apply to alternative fuels (except gasohol), aviation fuel, heating fuel, kerosene, or E-85.

The thresholds for most substances are in pounds. Use the following formula to convert gallons to pounds:

Specific gravity of product x 8.34 lb/gal (weight of water) = weight of product in lb/gal.

The specific gravity (also called the relative density) can be found in the "Physical and Chemical Properties" Section of the SDS. It is a unit-less number that tells how much the substance weighs relative to the weight of water. If the specific gravity is 1, the substance weighs the same as water. If it is less than 1, then the substance weighs less than water. The specific gravity is often reported as a range. Use the highest value in the calculation.

What Chemicals Are Excluded?

Section 311(e) of SARA Title III excludes the following substances from the hazardous chemical inventory reporting requirements in Sections 311 and 312:

- Any food, food additive, color additive, drug, or cosmetic regulated by the Food and Drug Administration.
- Any substance present as a solid in any manufactured item to the extent exposure to the substance does not occur under normal conditions of use.
- Any substance to the extent it is used for personal, family, or household purposes, or is present in the same form and concentration as a product packaged for distribution and use by the general public.
- Any substance to the extent it is used in a research laboratory or hospital or other medical facility under the direct supervision of a technically-qualified individual.

- Any substance to the extent it is used in routine agricultural operations or is a fertilizer held for sale by a retailer to the ultimate customer.

Hazardous Chemical Inventory Reports

Chemicals can be reported as pure substances, as mixtures, or as the total quantity of a chemical at the facility (adding together the amounts contained in mixtures and all other quantities of the chemical). Chemicals can also be grouped if appropriate. The reporting option should be consistent for both the initial and annual reports, unless this is not possible.

How a facility reports its chemicals depends on what format is of most value to the planners and responders. A warehouse with 100 different products that all contain the same flammable base ingredient should report the amount of base ingredient. A facility with five different colors of enamel paint should group them and report enamel paint. A plating solution that contains both sulfuric acid and nitric acid should be reported as a mixture, and the mixture ingredients should be included on the Tier II Report.

Initial SDS Report

The purpose of the initial report required under Section 311 is to inform state and local officials that a facility recently acquired OSHA hazardous chemicals on-site in amounts equal to or greater than the thresholds. The initial report consists of either copies of the SDSs or a list of the OSHA hazardous chemicals. A list must identify the chemical or common name of each substance as it appears on the SDS and the applicable hazard categories. Trade names should not be used. If needed, an LEPC can request copies of SDSs for chemicals included on the Tier II Report.

Annual Tier II Report

The purpose of the annual report required under Section 312 is to provide state and local officials and the public with specific information on hazardous chemicals that were present at a facility at any time during the previous calendar year at levels that equaled or exceeded the thresholds. The annual report is the Tier II Emergency and Hazardous Chemical Inventory Report or Tier II Report.

The Tier II Report is a certified report that contains specifics about the facility location, the owner or operator, emergency contacts, and other identifying information. It also describes each reportable chemical and includes the amount that was on-site during the previous year, where it was located, and how it was stored. Site maps and SDSs can be attached to the Tier II Report to clarify the reported information.

Due Dates

- The Initial report must be submitted within three months after the chemical threshold is first met or exceeded.
- The annual Tier II Report must be submitted annually between January 1 and March 1.
- The LEPC may ask a facility owner or operator to submit an SDS for a hazardous chemical present at the facility.
- The MCCERCC, LEPC, or fire department having jurisdiction over the facility may ask a facility owner or operator to submit Tier II information.

Confidential and Trade Secret Information

Confidential Location Information

The facility may request that the MCCERCC or LEPC not disclose, to the public, the location of any specific chemical required to be submitted in the Tier II information. This is done by marking the chemical location information as confidential. Facilities may not withhold this information from the MCCERCC, the LEPC, or the local fire department. The online reporting program provides an easy way to mark a chemical location as confidential. The chemical location includes the container type, temperature, pressure, and location description. The facility can also mark site maps as confidential. Confidential information should be stored in a secure location by the LEPC.

Trade Secrets

A facility may be able to withhold the name of a specific chemical when submitting information under Sections 311 or 312 if that chemical name is claimed as a trade secret. The requirements for withholding trade secret information are set forth in SARA Title III, Section 322 and implemented in 40 CFR part 350. If a facility is withholding the name of a specific chemical as a trade secret, in accordance with trade secrecy requirements, it must report the generic class or category that is structurally descriptive of the chemical along with all other required information. The facility must also submit the withheld information to the EPA and must adequately substantiate its claim. A form for substantiating the trade secret claims is available online at www.epa.gov/emergencies.

Online Reporting

The state of Michigan utilizes the Tier II Manager online program. The program allows facilities to manage their own data and enter updates at any time during the year. The Tier II Report is a snapshot of the data that is certified annually as being true, accurate, and complete. Reports are required to be submitted by March 1.

The online database was pre-loaded with data from facilities for which reports were submitted to the Michigan SARA Title III Program before January 2007.

The Michigan SARA Title III Program can run data queries and provide the results to the LEPC in an Microsoft Excel file.

Online reporting information is available on the Michigan SARA Title III Program website: www.michigan.gov/SARA.

Community Right-to-Know Provisions

Hazardous chemical inventory information is available to the public under the community right-to-know provisions in SARA Title III. Requests can be made in writing to the LEPC as described below. The Michigan SARA Title III Program in the DEQ handles all facility reporting related information requests on behalf of the MCCERCC. The public should not go directly to the facility or to the fire department with information requests. Information requests related to planning activities can be addressed to the appropriate LEPC. A person may obtain an SDS for a specific facility by writing to the LEPC. If the LEPC does not have the SDS, it must request the SDS from the facility's owner or operator.

A resident may request Tier II information for a specific facility by writing to the LEPC. The LEPC must respond to a request for Tier II information within 45 days after receiving the request.

If the LEPC does not have the Tier II information, it must request it from the facility owner or operator in either of the following cases:

- The request is for hazardous chemicals in amounts greater than 10,000 pounds stored at the facility at any time during the previous calendar year; or
- The person making the request is a local official acting in his or her official capacity.

If neither of these conditions are met, the LEPC may request the information from the facility owner or operator, if the request includes a general statement of need.

If the LEPC has a request for a Tier II Report and that report contains confidential location information, the LEPC may contact the Michigan SARA Title III Program for a copy of the report with the confidential location information excluded.

When responding to a request for Tier II information, the Michigan SARA Title III Program or LEPC must not disclose location information that has been designated confidential in the Tier II Report.

Local Fire Department Requests

If the owner or operator of a facility has submitted inventory information under Sections 311 or 312, they must comply with the following two requirements upon request by the local fire department:

- They must allow the fire department to conduct an on-site inspection of their facility; and
- They must provide the fire department with information about the specific locations of hazardous chemicals at their facility.

Emergency and Hazardous Chemical Inventory Reporting

SARA Title III – Sections 311 and 312

Facilities submit a one-time initial report within three months after the chemical first becomes subject to reporting, then submit an annual report by March 1 using the Tier II Manager system, including sending copies of the submitted report to the responding fire department and the LEPC. If the LEPC has electronic access to the Tier II Manager system, a report does not need to be submitted. This must be confirmed by the facility and by the LEPC before the report is not submitted. Initial report includes a list of chemicals and associated hazards. The annual report is the yearly submission of a facilities Tier II emergency and hazardous chemical inventory.

Note: The Michigan SARA Title III Program receives all reports on behalf of the MCCERCC.

CHAPTER FIVE
Release Reporting

Facilities are potentially required to report chemical releases to local, state, and federal agencies under several different state and federal regulations, in addition to release reporting requirements that might be in permits, contingency plans, or local ordinances. Section 304 of SARA Title III requires that facilities report certain chemical releases to all of the following agencies:

- LEPCs of areas potentially affected by the release.
- SERC*
- U.S. Coast Guard National Response Center (NRC) at 1-800-424-8802.

The MCCERCC is notified by calling the DEQ's PEAS hotline at 1-800-292-4706.

Questions regarding release reporting requirements should be directed to the Michigan SARA Title III Program at 517-284-7272 or DEQ-SARA@michigan.gov.

Additional information is available on the website, www.michigan.gov/deqrelease, for:

- Release notification requirements.
- Release reporting forms.
- List of Lists – a consolidated list of chemicals that includes the CERCLA hazardous substances and SARA Title III EHSs and their associated Reportable Quantities (RQs) for release reporting.
- Contact information for LEPCs.

LEPC Tasks

- Appoint a community emergency coordinator. It is recommended this person be the local emergency management coordinator appointed under Michigan Public Act 390, as amended. The local emergency management coordinator is responsible for developing and implementing emergency plans.
- Designate a 24-hour notification to be used by facilities in making their emergency release notifications.
- Publicize the location and contact information of the notification point.
- Receive initial verbal notifications.
- Develop a system for recording and tracking the information received (i.e., date, time, and caller, required information).
- Receive written follow-up reports.
- Develop a system for filing release reports.
- Respond to requests from EPA for information regarding releases that were received by the LEPC.
- Inform the Michigan SARA Title III Program of notifications the LEPC has received regarding reporting compliance.
- Assure that the Michigan SARA Title III Program has accurate LEPC contact information posted on their website.

Criteria for Reporting a Release

Under Section 304 of SARA Title III, the term "facilities" includes stationary facilities, motor vehicles, rolling stock, and aircraft.

Releases that must be reported are those of:

- Hazardous substances defined under the CERCLA.
- An EHS as defined under SARA Title III.

Each CERCLA hazardous substance and EHS has an associated RQ. These hazardous substances and their associated RQs are included in the List of Lists. If the RQ of a substance is released to the environment (air, water, or ground) in a 24-hour period, the release must be reported. The reported releases are most often accidental releases, but might also include continuous releases.

Reporting Deadlines

- The initial notification must be made to all LEPCs potentially affected by the release. The LEPCs then call the PEAS hotline and the NRC within 15 minutes after the discovery.
- The written follow-up report must be submitted to the Michigan SARA Title III Program and all LEPCs potentially affected by the release within 30 days after the release was discovered. The DEQ has a form on their Spill/Release Reporting website that may be used for the follow-up reports.

LEPC Notification

The LEPC must have emergency contact information for all facilities within their jurisdiction. Most LEPCs identify 9-1-1 as the local number to use for notification.

Facilities are asked to send their written follow-up report to the LEPC at the address posted on the DEQ's Spill/Release Reporting website. It is important that the LEPC assure that their posted address is correct.

Continuous Releases

Continuous releases are non-emergency releases that must be reported to the LEPC pursuant to SARA Title III. If a facility has a release that is not federally-permitted and is continuous and stable in quantity and rate, it can report that release every 24-hours, or it can report the release as a continuous release.

Continuous releases require immediate notification of the LEPC, the MCCERCC through the PEAS hotline, and the NRC. The initial notification should identify the release as a non-emergency continuous release. The LEPC still must keep a record of the initial notification.

A written follow-up report must be sent to the LEPC, the MCCERCC through the Michigan SARA Title III Program, and EPA Region 5 within 30 days after the initial notification. A second follow-up report must be sent only to EPA Region 5 within 30 days of the first anniversary of the initial written notification. The follow-up report form required for continuous releases differs from the accidental release report form.

Many LEPCs receive continuous release reports from Concentrated Animal Feeding Operations (CAFOs). The CAFOs are required to report emissions to the air of ammonia and hydrogen sulfide, if the emissions exceed 100 pounds per 24-hour period. These hazardous air pollutants are emitted from the animal digestive process and decomposition of manure. The DEQ's Spill/Release Reporting website has information specific to the CAFO release reporting requirements.

CHAPTER SIX
Emergency Planning Notification

Section 302 of SARA Title III requires that certain facilities submit an emergency planning notification to the LEPC and the MCCERCC. The notification identifies the facility as one for which the LEPC must write an off-site emergency plan pursuant to Section 303 of SARA Title III. The notification also identifies the person at the facility who will work with the LEPC to develop this plan.

Additional Information:

Questions regarding release reporting requirements should be directed to the Michigan SARA Title III Program at 517-284-7272, or DEQ-SARA@michigan.gov. Additional information on emergency planning notifications can be found at www.michigan.gov/deqemergencyplan. Topics include:

- Instructions for facilities to report under SARA Title III, Section 302.
- Contact information for LEPCs.
- General and regulation-specific emergency planning information for facilities and planners.

To access the online reporting program used by facilities to submit chemical inventories and emergency planning notifications to the Michigan SARA Title III Program go to www.deq.state.mi.us/tier2manager.

LEPC Tasks

- Receive Section 302 emergency planning notifications. Develop a system for filing these notifications.
- Help assure that the SARA Title III, Section 302 active site list is accurate.
- Ask facility owners or operators to submit or update emergency planning notifications as needed. Inform the Michigan SARA Title III Program of any facilities that have shut down.
- Publicize the LEPC address where facilities should send their emergency planning notifications. Assure that the DEQ has accurate LEPC contact information posted on their website.
- Manage the Section 302 information for farms.

Who Must Submit the Emergency Planning Notification?

A facility is subject to the emergency planning notification requirements in SARA Title III if it has an EHS on-site in an amount equal to or greater than its TPQ (Attachment B). The TPQ is the total amount in pounds of an EHS present at any one time at a facility at concentrations greater than one percent by weight, regardless of location, number of containers, or method of storage.

It is important to realize that a facility that reports an EHS on the Tier II Report might not be subject to Section 302. For example, if a facility has 800 pounds of sulfuric acid that has a TPQ of 1,000 pounds on-site, it must report the sulfuric acid on the Tier II Report (because the amount is greater than 500 pounds or the TPQ, whichever is lower), but it is not subject to Section 302 because the amount of sulfuric acid is less than its TPQ.

Emergency Planning Notification

Under Section 302, the owner or operator of a subject facility must to notify the MCCERCC and their LEPC that they are subject to this requirement. The Michigan SARA Title III Program in the DEQ receives all notifications on behalf of the MCCERCC.

This notification should be completed by using Tier II Manager--the online reporting program used in Michigan.

The notification identifies the EHS(s) and amounts that make the facility subject to Section 302. The notification includes the name and contact information of the facility emergency coordinator. This is the person that will work with the LEPC to develop the off-site emergency response plan.

Reporting Deadline

An emergency planning notification must be submitted within 60 days after the threshold is reached. This is a one-time notification. The notification only needs to be updated when there are significant changes, such as the appointment of a new emergency coordinator or a change in the EHSs.

A facility can only be added to the SARA Title III, Section 302 active site list if the owner or operator of that facility notifies the Michigan SARA Title III Program by submitting a Tier II Report. LEPCs cannot add a subject facility to the SARA Title III, Section 302 active site list unless it is a farm.

LEPC Role in Compliance

If an LEPC finds a facility that is not on the SARA Title III, Section 302 active site list, but might be subject to Section 302, the LEPC can contact the owner or operator of that facility and ask them to review their chemical inventory to determine if they meet the requirements. It is important that the owner or operator be given all of the criteria for subject facilities so that an informed decision can be made. Even if the LEPC knows that an EHS has been removed from the facility, the owner or operator must be given the opportunity to review the EHS list to assure that there is not another EHS at the facility.

If the facility does not respond to the LEPC, or needs additional information, the LEPC can ask the Michigan SARA Title III Program staff to contact the facility regarding Section 302 requirements.

If the facility is subject to Section 302, it can submit the notification online. If it is not subject to Section 302, the facility can edit the online report to indicate such. The facility should submit a new or revised notification to the LEPC.

Removing Operating Facilities from the SARA Title III, Section 302 Active Site

The facility representative must go online to remove an operating facility from the SARA Title III, Section 302 active site. When this notification is certified online, the Michigan SARA Title III Program staff will remove the facility from the SARA Title III, Section 302 active site list.

The only exception to this is for traditional family farms. If the LEPC has verified that the farm no longer uses or has EHS on-site, the LEPC can follow the instructions for farms to remove them from the SARA Title III, Section 302 active site list.

Removing Closed Facilities from the SARA Title III, Section 302 Active Site List

An LEPC can request that the Michigan SARA Title III Program remove a closed facility from the SARA Title III, Section 302 active site list if the owner or operator cannot be located, and if it is assured that there are no hazardous chemicals on the site. The LEPC may send an email to the Michigan SARA Title III Program stating that the facility is closed and all chemicals have been removed. The Michigan SARA Title III Program will mark the facility as inactive.

Farms

If a farm is subject to SARA Title III, it is only subject to Section 302 for anhydrous ammonia fertilizer or pesticides. Such substances, when used in routine agricultural operations, are exempt from Section 312 Tier II reporting. In an effort to reduce the reporting burden for the farming community, procedures have been developed that allow the farm to work with the LEPC to manage their traditional farms using Tier II Manager. The LEPC can add or remove these farms from the SARA Title III, Section 302 active site list by notifying the Michigan SARA Title III Program.

Farms can also use the postcards that are on the back page of the MSU Extension Bulletin E-2575, *Emergency Planning for the Farm*, to notify the Michigan SARA Title III Program and their LEPC that they are or are not subject to Section 302. This bulletin is available online at www.michigan.gov/deqemergencyplan. This bulletin contains a template for farm plans that can also be used by the LEPC for the off-site emergency plan.

Send all requests to modify the SARA Title III, Section 302 active site list to the Michigan SARA Title III Program.

If a facility cannot edit the online Section 302 notification, the Michigan SARA Title III Program can make these changes. Requests to remove closed facilities can be made by the LEPC. Requests to add, remove,

or edit operating facilities must be made by the facility (unless it is a farm). All requests to modify the SARA Title III, Section 302 active site list must be in writing.

Requests can be sent by email to DEQ-SARA@michigan.gov.

Please do not send requests to modify the SARA Title III, Section 302 active site list to the MSP/EMHSD. If the LEPC has questions regarding the SARA Title III, Section 302 active site list, they may contact the DEQ at DEQ-SARA@michigan.gov, or at 517-284-7272.

Facilities Subject to Emergency Planning Requirements

A facility is subject to the emergency planning requirements in SARA Title III if it has an EHS on-site in an amount equal to or greater than its TPQ. This amount is the total amount of an EHS present at any one time at a facility at concentrations greater than one percent by weight, regardless of location, number of containers, or method of storage.

Emergency Planning Notification

Under Section 302, the owner or operator of a subject facility must complete an emergency planning notification to notify the MCCERCC and their LEPC that they are subject to this requirement. The Michigan SARA Title III Program receives all notifications on behalf of the MCCERCC. This notification should be completed in Tier II Manager--the online reporting program used in Michigan.

Go to the Michigan SARA Title III Program website, www.deq.state.mi.us/tier2manager, to access the online reporting program.

The emergency planning notification must be submitted within 60 days after the threshold is reached. After that, you can edit and recertify its notification at any time. The online notification includes chemical information.

The notification includes the name and contact information of the Facility Emergency Coordinator. This is the person who will work with the LEPC to develop the off-site emergency response plan.

If your facility was once subject to Section 302 but has since removed or reduced the EHS on-site to below the TPQ, you can report this status change in the online program:

- Delete any listed EHSs.
- Check the box that indicates the facility is exempt from 302 reporting.
- Certify the report.
- Notify the LEPC of the report.

Special Calculations for Non-Reactive Solid EHSs

There are 157 EHSs on the list that have two TPQ values. These are the non-reactive solid EHSs. The form of the solid will determine which TPQ should be used. Compare to the lower TPQ value if the EHS is in one of the following forms:

- Powder form (particle size less than 100 microns).
- A solution.
- Molten form.

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. 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 1,000/10,000. Here is the inventory:

- 6,000 pounds of solid acrylamide (particle size ≥ 100 microns).
- 500 pounds of acrylamide in powder form (particle size < 100 microns).
- 1,000 pounds of acrylamide in solution.

For reporting purposes, the acrylamide will be treated as two 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 powder form, and in a solution, must be added together; the total is then compared to the lower TPQ of 1,000 pounds. The solid acrylamide will be included in the hazardous chemical inventory because the amount (6,000 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 1,500 pounds. This must be included in the hazardous chemical inventory because it exceeds 500 pounds. Before you can determine if it is subject to emergency planning, you need to multiply the 1,000 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 1,000 pounds.

Off-Site Emergency Response Plan

In accordance with 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 emergency responders.

By federal law, the owner or operator must promptly provide to the LEPC any information necessary for the development or implementation of the off-site plan upon request by the LEPC. They must also inform the LEPC of any changes occurring at the facility that might be relevant to emergency planning. Reported changes might include the amount or storage location of the EHS, new chemicals, or updated facility contact information.

Related Planning Requirements

The Clean Air Act (CAA), Section 112(r), has facility on-site chemical accident prevention requirements that parallel the SARA Title III off-site emergency planning requirements. Many of the extremely hazardous air pollutants that trigger the requirement to have a Risk Management Program under the CAA Section 112(r) are also on the SARA Title III list of EHSs. The List of Lists located on page 25 of this guidebook, or at www.epa.gov/epcra/epcracerclacaa-ss112r-consolidated-list-lists-march-2015-version, 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 112(r). If your facility has extremely hazardous air pollutants that meet or exceed the CAA threshold quantity, contact the U.S. EPA Region 5, which can help you determine your facility's Risk Management Program requirements under the CAA regulations.

Beginning in 2014, the Tier ll Report must indicate whether or not the facility is subject to the Risk Management Program (Section 112(r) of CAA). The ID associated with that program must also be provided (identified as "RMP Facility ID" on the Tier ll form). The Part 5 rules, Spillage of Oil and Polluting Materials, 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 fire chief uses the data to develop a plan for the protection of firefighters. 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.

Environmental Protection Agency LIST OF LISTS									
NAME	**NAMEINDEX**	**CAS Sort Value**	**CAS/313 Category Codes**	**Section 302 (EHS) TPQ**	**Section 304 EHS RQ**	**CERCLA RQ**	**Section 313**	**RCRA CODE**	**CAA 112(r) TQ**
Abamectin	ABAMECTIN AVERMECTIN B1	71751412	71751-41-2				313		
Acenaphthene	ACENAPHTHENE	83329	83-32-9			100			
Acenaphthylene	ACENAPHTHYLENE	208968	208-96-8			5,000			
Acephate	ACEPHATE	30560191	30560-19-1				313		
Acetaldehyde	ACETALDEHYDE	75070	75-07-0			1,000	313	U001	10,000
Acetaldehyde, trichloro-	ACETALDEHYDE, TRICHLORO-	75876	75-87-6			5,000		U034	
Acetamide	ACETAMIDE	60355	60-35-5			100	313		
Acetic acid	ACETICACID	64197	64-19-7			5,000			
Acetic acid, (2,4-dichlorophenoxy)-	ACETICACIDDICHLOROPHENOXY)-	94757	94-75-7			100	X	U240	
Acetic acid ethenyl ester	ACETICACIDETHENYLESTER	108054	108-05-4	1,000	5,000	5,000	X		15,000
Acetic anhydride	ACETICANHYDRIDE	108247	108-24-7			5,000			
Acetone	ACETONE	67641	67-64-1			5,000		U002	
Acetone cyanohydrin	ACETONE CYANOHYDRIN	75865	75-86-5	1,000	10	10	X	P069	
Acetone thiosemicarbazide	ACETONE THIOSEMICARBAZIDE	1752303	1752-30-3	1,000/10,000	1,000				
Acetonitrile	ACETONITRILE	75058	75-05-8			5,000	313	U003	
Acetophenone	ACETOPHENONE	98862	98-86-2			5,000	313	U004	
2-Acetylaminofluorene	ACETYLAMINOFLUOREN	53963	53-96-3			1	313	U005	
Acetyl bromide	ACETYLBROMIDE	506967	506-96-7			5,000			
Acetyl chloride	ACETYLCHLORIDE	75365	75-36-5			5,000		U006	
Acetylene	ACETYLENE	74862	74-86-2						10,000
Acetylphosphoramidothioic acid O,S-dimethyl ester	ACETYLPHOSPHORAMIDOTHIOICACIDDIMETHYL ESTER	30560191	30560-19-1				X		
1-Acetyl-2-thiourea	ACETYLTHIOUREA	591082	591-08-2			1,000		P002	
Acifluorfen, sodium salt	ACIFLUORFEN, SODIUM SALT	62476599	62476-59-9				313		
Acrolein	ACROLEIN	107028	107-02-8	500	1	1	313	P003	5,000
Acrylamide	ACRYLAMIDE	79061	79-06-1	1,000/10,000	5,000	5,000	313	U007	
Acrylic acid	ACRYLICACID	79107	79-10-7			5,000	313	U008	
Acrylonitrile	ACRYLONITRILE	107131	107-13-1	10,000	100	100	313	U009	20,000
Acrylyl chloride	ACRYLYL CHLORIDE	814686	814-68-6	100	100				5,000
Adipic acid	ADIPIC ACID	124049	124-04-9			5,000			

Adiponitrile	ADIPONITRILE	111693	111-69-3	1,000	1,000				
Alachlor	ALACHLOR	15972608	15972-60-8				313		
Aldicarb	ALDICARB	116063	116-06-3	100/10,000	1	1	313	P070	
Aldicarb sulfone	ALDICARBSULFONE	1646884	1646-88-4			100		P203	
Aldrin	ALDRIN	309002	309-00-2	500/10,000	1	1	313	P004	
d-trans-Allethrin	ALLETHRIN	28057489	28057-48-9				313		
Allyl alcohol	ALLYLALCOHOL	107186	107-18-6	1,000	100	100	313	P005	15,000
Allylamine	ALLYLAMINE	107119	107-11-9	500	500		313		10,000
Allyl chloride	ALLYLCHLORIDE	107051	107-05-1			1,000	313		
Aluminum (fume or dust)	ALUMINUM	7429905	7429-90-5				313		
Aluminum oxide (fibrous forms)	ALUMINUMOXIDE	1344281	1344-28-1				313		
Aluminum phosphide	ALUMINUMPHOSPHIDE	20859738	20859-73-8	500	100	100	313	P006	
Aluminum sulfate	ALUMINUMSULFATE	10043013	10043-01-3			5,000			
Ametryn	AMETRYN	834128	834-12-8				313		
2-Aminoanthraquinone	AMINOANTHRAQUINONE	117793	117-79-3				313		
4-Aminoazobenzene	AMINOAZOBENZENE	60093	60-09-3				313		
4-Aminobiphenyl	AMINOBIPHENYL	92671	92-67-1			1	313		
1-Amino-2,4-dibromoanthraquinone	AMINODIBROMOANTHRAQUINONE	81492	81-49-2				313		
1-Amino-2-methylanthraquinone	AMINOMETHYLANTH	82280	82-28-0				313		
5-(Aminomethyl)-3-isoxazolol	AMINOMETHYLISOXAZOLOL	2763964	2763-96-4	500/10,000	1,000	1,000		P007	
Aminopterin	AMINOPTERIN	54626	54-62-6	500/10,000	500				
4-Aminopyridine	AMINOPYRIDINE	504245	504-24-5	500/10,000	1,000	1,000		P008	
Amiton	AMITON	78535	78-53-5	500	500				
Amiton oxalate	AMITON OXALATE	3734972	3734-97-2	100/10,000	100				
Amitraz	AMITRAZ	33089611	33089-61-1				313		
Amitrole	AMITROLE	61825	61-82-5			10	313	U011	
Ammonia	AMMONIA	7664417	7664-41-7	500	100	100			
Ammonia (anhydrous)	AMMONIA	7664417	7664-41-7	500	100	100	X		10,000
Ammonia (conc 20% or greater)	AMMONIAS	7664417	7664-41-7			see ammonium hydroxide	X		20,000
Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing)	AMMONIAT	7664417	7664-41-7				313		

Ammonium acetate	AMMONIUMACETATE	631618	631-61-8			5,000			
Ammonium benzoate	AMMONIUMBENZOATE	1863634	1863-63-4			5,000			
Ammonium bicarbonate	AMMONIUMBICARBONATE	1066337	1066-33-7			5,000			
Ammonium bichromate	AMMONIUMBICHROMATE	7789095	7789-09-5			10	313c		
Ammonium bifluoride	AMMONIUMBIFLUORIDE	1341497	1341-49-7			100			
Ammonium bisulfite	AMMONIUMBISULFITE	10192300	10192-30-0			5,000			
Ammonium carbamate	AMMONIUMCARBAMATE	1111780	1111-78-0			5,000			
Ammonium carbonate	AMMONIUMCARBONATE	506876	506-87-6			5,000			
Ammonium chloride	AMMONIUMCHLORIDE	12125029	12125-02-9			5,000			
Ammonium chromate	AMMONIUMCHROMATE	7788989	7788-98-9			10	313c		
Ammonium citrate, dibasic	AMMONIUMCITRATE, DIBASIC	3012655	3012-65-5			5,000			
Ammonium fluoborate	AMMONIUMFLUOBORATE	13826830	13826-83-0			5,000			
Ammonium fluoride	AMMONIUMFLUORIDE	12125018	12125-01-8			100			
Ammonium hydroxide	AMMONIUMHYDROXIDE	1336216	1336-21-6			1,000	X		
Ammonium oxalate	AMMONIUMOXALATE	5972736	5972-73-6			5,000			
Ammonium oxalate	AMMONIUMOXALATE	6009707	6009-70-7			5,000			
Ammonium oxalate	AMMONIUMOXALATE	14258492	14258-49-2			5,000			
Ammonium picrate	AMMONIUMPICRATE	131748	131-74-8			10		P009	
Ammonium silicofluoride	AMMONIUMSILICOFLUORIDE	16919190	16919-19-0			1,000			
Ammonium sulfamate	AMMONIUMSULFAMATE	7773060	7773-06-0			5,000			
Ammonium sulfide	AMMONIUMSULFIDE	12135761	12135-76-1			100			
Ammonium sulfite	AMMONIUMSULFITE	10196040	10196-04-0			5,000			
Ammonium tartrate	AMMONIUMTARTRATE	3164292	3164-29-2			5,000			
Ammonium tartrate	AMMONIUMTARTRATE	14307438	14307-43-8			5,000			
Ammonium thiocyanate	AMMONIUMTHIOCYANATE	1762954	1762-95-4			5,000			
Ammonium vanadate	AMMONIUMVANADATE	7803556	7803-55-6			1,000	313c	P119	
Amphetamine	AMPHETAMINE	300629	300-62-9	1,000	1,000				
Amyl acetate	AMYLACETATE	628637	628-63-7			5,000			
iso-Amyl acetate	AMYLACETATE-I	123922	123-92-2			5,000			
sec-Amyl acetate	AMYLACETATE-S	626380	626-38-0			5,000			
tert-Amyl acetate	AMYLACETATE-T	625161	625-16-1			5,000			
Anilazine	ANILAZINE	101053	101-05-3				313		
Aniline	ANILINE	62533	62-53-3	1,000	5,000	5,000	313	U012	
Aniline, 2,4,6-trimethyl-	ANILINE, 2,4,6-TRIMETHYL-	88051	88-05-1	500	500				

o-Anisidine	ANISIDINEA	90040	90-04-0			100	313		
p-Anisidine	ANISIDINEB	104949	104-94-9				313		
o-Anisidine hydrochloride	ANISIDINEHYDROCHL	134292	134-29-2				313		
Anthracene	ANTHRACENE	120127	120-12-7			5,000	313		
Antimony	ANTIMONY	7440360	7440-36-0			5,000	313		
Antimony Compounds	ANTIMONYCOMPOUNDS	1	N010			&	313		
Antimony pentachloride	ANTIMONYPENTACHLORIDE	7647189	7647-18-9			1,000			
Antimony pentafluoride	ANTIMONYPENTAFLUORIDE	7783702	7783-70-2	500	500		313c		
Antimony potassium tartrate	ANTIMONYPOTASSIUM TARTRATE	28300745	28300-74-5			100	313c		
Antimony tribromide	ANTIMONYTRIBROMIDE	7789619	7789-61-9			1,000	313c		
Antimony trichloride	ANTIMONYTRICHLORIDE	10025919	10025-91-9			1,000	313c		
Antimony trifluoride	ANTIMONYTRIFLUORIDE	7783564	7783-56-4			1,000	313c		
Antimony trioxide	ANTIMONYTRIOXIDE	1309644	1309-64-4			1,000	313c		
Antimycin A	ANTIMYCIN A	1397940	1397-94-0	1,000/10,000	1,000				
ANTU	ANTU	86884	86-88-4	500/10,000	100	100		P072	
Aroclor 1016	AROCLOR 1016	12674112	12674-11-2			1			
Aroclor 1221	AROCLOR 1221	11104282	11104-28-2			1			
Aroclor 1232	AROCLOR 1232	11141165	11141-16-5			1			
Aroclor 1242	AROCLOR 1242	53469219	53469-21-9			1			
Aroclor 1248	AROCLOR 1248	12672296	12672-29-6			1			
Aroclor 1254	AROCLOR 1254	11097691	11097-69-1			1			
Aroclor 1260	AROCLOR 1260	11096825	11096-82-5			1			
Arsenic	ARSENIC	7440382	7440-38-2			1	313		
Arsenic acid	ARSENIC ACID	7778394	7778-39-4			1	313c	P010	
Arsenic Compounds	ARSENIC COMPOUNDS	1	N020			&	313		
Arsenic disulfide	ARSENIC DISULFIDE	1303328	1303-32-8			1	313c		
Arsenic pentoxide	ARSENIC PENTOXIDE	1303282	1303-28-2	100/10,000	1	1	313c	P011	
Arsenic trioxide	ARSENIC TRIOXIDE	1327533	1327-53-3	100/10,000	1	1	313c	P012	
Arsenic trisulfide	ARSENIC TRISULFIDE	1303339	1303-33-9			1	313c		
Arsenous oxide	ARSENOUS OXIDE	1327533	1327-53-3	100/10,000	1	1	313c	P012	
Arsenous trichloride	ARSENOUS TRICHLORIDE	7784341	7784-34-1	500	1	1	313c		15,000
Arsine	ARSINE	7784421	7784-42-1	100	100				1,000
Asbestos (friable)	ASBESTOS	1332214	1332-21-4			1	313		
Atrazine	ATRAZINE	1912249	1912-24-9				313		

Auramine	AURAMINE	492808	492-80-8			100	X	U014	
Avermectin B1	AVERMECTIN B1	71751412	71751-41-2				X		
Azaserine	AZASERINE	115026	115-02-6			1		U015	
1H-Azepine-1 carbothioic acid, hexahydro-S-ethyl ester	AZEPINECARBOTHIOICACIDHEXAHYDRO-S-ETHYL ESTER	2212671	2212-67-1				X		
Azinphos-ethyl	AZINPHOS-ETHYL	2642719	2642-71-9	100/10,000	100				
Azinphos-methyl	AZINPHOS-METHYL	86500	86-50-0	10/10,000	1	1			
Aziridine	AZIRIDINE	151564	151-56-4	500	1	1	X	P054	10,000
Aziridine, 2-methyl	AZIRIDINE, 2-METHYL	75558	75-55-8	10,000	1	1	X	P067	10,000
Barban	BARBAN	101279	101-27-9			10		U280	
Barium	BARIUM	7440393	7440-39-3				313		
Barium Compounds	BARIUM COMPOUNDS	1	N040				313		
Barium cyanide	BARIUM CYANIDE	542621	542-62-1			10	313c	P013	
Bendiocarb	BENDIOCARB	22781233	22781-23-3			100	313	U278	
Bendiocarb phenol	BENDIOCARBPHENOL	22961826	22961-82-6			1,000		U364	
Benezeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-	BENEZENEAMINEDINITRODIPROPYL-4-(TRIFLUOROMETHYL)-	1582098	1582-09-8			10	X		
Benfluralin	BENFLURALIN	1861401	1861-40-1				313		
Benomyl	BENOMYL	17804352	17804-35-2			10	313	U271	
Benz[c]acridine	BENZACRIDINE	225514	225-51-4			100		U016	
Benzal chloride	BENZALCHLORIDE	98873	98-87-3	500	5,000	5,000	313	U017	
Benzamide	BENZAMIDE	55210	55-21-0				313		
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl	BENZAMIDE,3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL	23950585	23950-58-5			5,000	X	U192	
Benz[a]anthracene	BENZANTHRACENE	56553	56-55-3			10	313+	U018	
Benzenamine, 3-(trifluoromethyl)-	BENZENAMINE, 3-(TRIFLUOROMETHYL)-	98168	98-16-8	500	500				
Benzene	BENZENE	71432	71-43-2			10	313	U019	
Benzeneacetic acid, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-hydroxy-, ethyl ester	BENZENEACETICACIDCHLORO-.ALPHA.-(4-CHLOROPHENYL)-.ALPHA	510156	510-15-6			10	X	U038	
Benzeneamine, N-hydroxy-N-nitroso, ammonium salt	BENZENEAMINEHYDROXYNITROSO, AMMONIUM SALT	135206	135-20-6				X		
Benzenearsonic acid	BENZENEARSONIC ACID	98055	98-05-5	10/10,000	10				
Benzene, 1-(chloromethyl)-4-nitro-	BENZENECHLOROMETHYL)-4-NITRO-	100141	100-14-1	500/10,000	500				
1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-	BENZENEDICARBONITRILETETRACHLORO-	1897456	1897-45-6				X		
Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-	BENZENEDICHLORONITROPHENOXY)-	1836755	1836-75-5				X		
Benzene, 2,4-diisocyanato-1-methyl-	BENZENEDIISOCYANATOMETHYLA	584849	584-84-9	500	100	100	X		10,000
Benzene, 1,3-diisocyanato-2-methyl-	BENZENEDIISOCYANATOMETHYLB	91087	91-08-7	100	100	100	X		10,000
Benzene, 1,3-diisocyanatomethyl-	BENZENEDIISOCYANATOMETHYLC	26471625	26471-62-5			100	X	U223	10,000

Benzene, m-dimethyl-	BENZENEDIMETHYL-M	108383	108-38-3			1,000	X	U239	
Benzene, o-dimethyl-	BENZENEDIMETHYL-O	95476	95-47-6			1,000	X	U239	
Benzene, p-dimethyl-	BENZENEDIMETHYL-P	106423	106-42-3			100	X	U239	
Benzeneethanamine, alpha,alpha-dimethyl-	BENZENEETHANAMINE, ALPAH,ALPHA-DIMETHYL- +	122098	122-09-8			5,000		P046	
Benzenemethanol, 4-chloro-.alpha.-4-chlorophenyl)-.alpha.-(trichloromethyl)-	BENZENEMETHANOLCHLORO-.ALPHA.-4-CHLOROPHENYL)-.ALPHA.-(	115322	115-32-2			10	X		
Benzenesulfonyl chloride	BENZENESULFONYL CHLORIDE	98099	98-09-9			100		U020	
Benzenethiol	BENZENETHIOL	108985	108-98-5	500	100	100		P014	
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis [4-methoxy-	BENZENETRICHLOROETHYLIDENE)BIS [4-METHOXY-	72435	72-43-5			1	X	U247	
Benzidine	BENZIDINE	92875	92-87-5			1	313	U021	
Benzimidazole, 4,5-dichloro-2-(trifluoromethyl)-	BENZIMIDAZOLE,4,5-DICHLORO-2-(TRIFLUOROMETHYL)-	3615212	3615-21-2	500/10,000	500				
Benzo[b]fluoranthene	BENZOFLUORANTHENE	205992	205-99-2			1	313+		
Benzo(j)fluoranthene	BENZOFLUORANTHENEJ	205823	205-82-3				313+		
Benzo(k)fluoranthene	BENZOFLUORANTHENEK	207089	207-08-9			5,000	313+		
Benzoic acid	BENZOICACID	65850	65-85-0			5,000			
Benzoic acid, 3-amino-2,5-dichloro-	BENZOICACIDAMINODICHLORO-	133904	133-90-4			100	X		
Benzoic acid, 5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitro-, 2-ethoxy-1-methyl-2-oxethyl ester	Benzoicacidchlorotrifluoromethylphenoxynitroethocymethyloxethyl ester	77501634	77501-63-4				313		
Benzoic trichloride	BENZOICTRICHLORIDE	98077	98-07-7	100	10	10	313	U023	
Benzonitrile	BENZONITRILE	100470	100-47-0			5,000			
Benzo(rst)pentaphene	BENZOPENTAPHENE	189559	189-55-9			10	313+	U064	
Benzo[g,h,i]perylene	BENZOPERYLENE	191242	191-24-2			5,000	313		
Benzo(a)phenanthrene	BENZOPHENANTHRENE	218019	218-01-9			100	313+	U050	
Benzo[a]pyrene	BENZOPYRENE	50328	50-32-8			1	313+	U022	
p-Benzoquinone	BENZOQUINONE	106514	106-51-4			10	X	U197	
Benzotrichloride	BENZOTRICHLORIDE	98077	98-07-7	100	10	10	X	U023	
Benzoyl chloride	BENZOYLCHLORIDE	98884	98-88-4			1,000	313		
Benzoyl peroxide	BENZOYLPEROXIDE	94360	94-36-0				313		
Benzyl chloride	BENZYLCHLORIDE	100447	100-44-7	500	100	100	313	P028	
Benzyl cyanide	BENZYLCYANIDE	140294	140-29-4	500	500				
Beryllium	BERYLLIUM	7440417	7440-41-7			10	313	P015	
Beryllium chloride	BERYLLIUM CHLORIDE	7787475	7787-47-5			1	313c		
Beryllium Compounds	BERYLLIUM COMPOUNDS	1	N050			&	313		
Beryllium fluoride	BERYLLIUM FLUORIDE	7787497	7787-49-7			1	313c		

Beryllium nitrate	BERYLLIUM NITRATE	7787555	7787-55-5			1	313c		
Beryllium nitrate	BERYLLIUM NITRATE	13597994	13597-99-4			1	313c		
alpha-BHC	BHC	319846	319-84-6			10	X		
beta-BHC	BHC	319857	319-85-7			1			
delta-BHC	BHC	319868	319-86-8			1			
Bicyclo[2.2.1]heptane-2-carbonitrile, 5-chloro-6-((((methylamino)carbonyl)oxy)imino)-,(1-alpha,2-beta,4-alpha,5-alpha,6E))-	BICYCLO[2.2.1]HEPTANE-2-CARBONITRILE, 5-CHLORO-6-(	15271417	15271-41-7	500/10,000	500				
Bifenthrin	BIFENTHRIN	82657043	82657-04-3				313		
2,2'-Bioxirane	BIOXIRANE	1464535	1464-53-5	500	10	10	X	U085	
Biphenyl	BIPHENYL	92524	92-52-4			100	313		
2,2-bis(Bromomethyl)-1,3-propanediol	BIS(BROMOMETHYL)PROPANEDIOL	3296900	3296-90-0				313		
Bis(2-chloroethoxy) methane	BISCHLOROETHOXYMETHANE	111911	111-91-1			1,000	313	U024	
Bis(2-chloroethyl) ether	BISCHLOROETHYLETHER	111444	111-44-4	10,000	10	10	313	U025	
Bis(chloromethyl) ether	BISCHLOROMETHYLETHER	542881	542-88-1	100	10	10	313	P016	1,000
Bis(2-chloro-1-methylethyl)ether	BISCHLOROMETHYLETHYL	108601	108-60-1			1,000	313	U027	
Bis(chloromethyl) ketone	BISCHLOROMETHYLKETONE	534076	534-07-6	10/10,000	10				
Bis(2-ethylhexyl)phthalate	BISETHYLHEXYLPHTHALATE	117817	117-81-7			100	X	U028	
N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine	BISMETHYLETHYLMETHYLTHIOTRIAZINEDIA	7287196	7287-19-6				X		
1,4-Bis(methylisocyanate)cyclohexane	BISMETHYLISOCYANATECYCLOHEXANE	10347543	10347-54-3				313#		
1,3-Bis(methylisocyanate)cyclohexane	BISMETHYLISOCYANATECYCLOHEXANE	38661722	38661-72-2				313#		
Bis(tributyltin) oxide	BISTRIBUTYLTIN) OXIDE	56359	56-35-9				313		
Bitoscanate	BITOSCANATE	4044659	4044-65-9	500/10,000	500				
Borane, trichloro-	BORANETRICHLORO-	10294345	10294-34-5	500	500		X		5,000
Borane, trifluoro-	BORANETRIFLUORO-	7637072	7637-07-2	500	500		X		5,000
Boron trichloride	BORON TRICHLORIDE	10294345	10294-34-5	500	500		313		5,000
Boron trifluoride	BORON TRIFLUORIDE	7637072	7637-07-2	500	500		313		5,000
Boron trifluoride compound with methyl ether (1:1)	BORON TRIFLUORIDE COMPOUND WITH METHYL ETHER (1:1)	353424	353-42-4	1,000	1,000				15,000
Boron, trifluoro[oxybis[methane]]-, (T-4)-	BORONTRIFLUORO[OXYBIS[METHANE]]-, (T-4)-	353424	353-42-4	1,000	1,000				15,000
Bromacil	BROMACIL	314409	314-40-9				313		
Bromacil, lithium salt	BROMACIL, LITHIUM SALT	53404196	53404-19-6				313		
Bromadiolone	BROMADIOLONE	28772567	28772-56-7	100/10,000	100				
Bromine	BROMINE	7726956	7726-95-6	500	500		313		10,000
Bromoacetone	BROMOACETONE	598312	598-31-2			1,000		P017	
1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile	BROMOBROMOMETHYL)-1,3-PROPANEDICARBONITRILE	35691657	35691-65-7				313		

Bromochlorodifluoromethane	BROMOCHLORODIFLUOROMETHANE	353593	353-59-3				313		
O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propylphosphorothioate	BROMOCHLOROPHENYLETHYLPROPYLPHOSPHOROTHIOATE	41198087	41198-08-7				X		
Bromoform	BROMOFORM	75252	75-25-2			100	313	U225	
Bromomethane	BROMOMETHANE	74839	74-83-9	1,000	1,000	1,000	313	U029	
5-Bromo-6-methyl-3-(1-methylpropyl)-2,4-(1H,3H)-pyrimidinedione	BROMOMETHYLMETHYLPROPYLPYRIMIDINEDI	314409	314-40-9				X		
4-Bromophenyl phenyl ether	BROMOPHENYL PHENYL ETHER	101553	101-55-3			100		U030	
Bromotrifluoroethylene	BROMOTRIFLUOROETHYLEN	598732	598-73-2						10,000
Bromotrifluoromethane	BROMOTRIFLUOROMETHANE	75638	75-63-8				313		
Bromoxynil	BROMOXYNIL	1689845	1689-84-5				313		
Bromoxynil octanoate	BROMOXYNIL OCTANOATE	1689992	1689-99-2				313		
Brucine	BRUCINE	357573	357-57-3			100	313	P018	
1,3-Butadiene	BUTADIENE	106990	106-99-0			10	313		10,000
1,3-Butadiene, 2-methyl-	BUTADIENEMETHYL	78795	78-79-5			100			10,000
Butane	BUTANE	106978	106-97-8						10,000
Butane, 2-methyl-	BUTANEMETHYL-	78784	78-78-4						10,000
2-Butenal	BUTENAL	4170303	4170-30-3	1,000	100	100	X	U053	20,000
2-Butenal, (e)-	BUTENAL, (E)-	123739	123-73-9	1,000	100	100		U053	20,000
Butene	BUTENE	25167673	25167-67-3						10,000
1-Butene	BUTENE1	106989	106-98-9						10,000
2-Butene	BUTENE2	107017	107-01-7						10,000
2-Butene-cis	BUTENE-CIS	590181	590-18-1						10,000
2-Butene, 1,4-dichloro-	BUTENEDICHLORO-	764410	764-41-0			1	X	U074	
2-Butene, (E)	BUTENE-E	624646	624-64-6						10,000
2-Butene-trans	BUTENE-TRANS	624646	624-64-6						10,000
1-Buten-3-yne	BUTENYNE	689974	689-97-4						10,000
2,4-D butoxyethyl ester	BUTOXYETHYL ESTER-2,4-D	1929733	1929-73-3			100	313		
Butyl acetate	BUTYLACETATE	123864	123-86-4			5,000			
iso-Butyl acetate	BUTYLACETATE-I	110190	110-19-0			5,000			
sec-Butyl acetate	BUTYLACETATE-S	105464	105-46-4			5,000			
tert-Butyl acetate	BUTYLACETATE-T	540885	540-88-5			5,000			
Butyl acrylate	BUTYLACRYLATE	141322	141-32-2				313		
n-Butyl alcohol	BUTYLALCOHOLA	71363	71-36-3			5,000	313	U031	
sec-Butyl alcohol	BUTYLALCOHOLB	78922	78-92-2				313		
tert-Butyl alcohol	BUTYLALCOHOLC	75650	75-65-0				313		

Butylamine	BUTYLAMINE	109739	109-73-9			1,000			
iso-Butylamine	BUTYLAMINE-I	78819	78-81-9			1,000			
sec-Butylamine	BUTYLAMINE-S	513495	513-49-5			1,000			
sec-Butylamine	BUTYLAMINE-S	13952846	13952-84-6			1,000			
tert-Butylamine	BUTYLAMINE-T	75649	75-64-9			1,000			
Butyl benzyl phthalate	BUTYLBENZYLPHTHALA	85687	85-68-7			100			
.alpha.-Butyl-.alpha.-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile	BUTYLCHLOROPHENYLTRIAZOLE-1-P	88671890	88671-89-0				X		
1,2-Butylene oxide	BUTYLENEOXIDE	106887	106-88-7			100	313		
Butylethylcarbamothioic acid S-propyl ester	BUTYLETHYLCARBAMOTHIOICACIDPROPYLESTER	1114712	1114-71-2				X		
N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl) benzenamine	BUTYLETHYLDINITROTRIFLUOROMETHYLBENZENAMINE	1861401	1861-40-1				X		
n-Butyl phthalate	BUTYLPHTHALATE	84742	84-74-2			10	X	U069	
1-Butyne	BUTYNE	107006	107-00-6						10,000
Butyraldehyde	BUTYRALDEHYDE	123728	123-72-8				313		
Butyric acid	BUTYRIC ACID	107926	107-92-6			5,000			
iso-Butyric acid	BUTYRIC ACIDISO	79312	79-31-2			5,000			
Cacodylic acid	CACODYLIC ACID	75605	75-60-5			1		U136	
Cadmium	CADMIUM	7440439	7440-43-9			10	313		
Cadmium acetate	CADMIUM ACETATE	543908	543-90-8			10	313c		
Cadmium bromide	CADMIUM BROMIDE	7789426	7789-42-6			10	313c		
Cadmium chloride	CADMIUM CHLORIDE	10108642	10108-64-2			10	313c		
Cadmium Compounds	CADMIUM COMPOUNDS	1	N078			&	313		
Cadmium oxide	CADMIUM OXIDE	1306190	1306-19-0	100/10,000	100		313c		
Cadmium stearate	CADMIUM STEARATE	2223930	2223-93-0	1,000/10,000	1,000		313c		
Calcium arsenate	CALCIUMARSENATE	7778441	7778-44-1	500/10,000	1	1	313c		
Calcium arsenite	CALCIUMARSENITE	52740166	52740-16-6			1	313c		
Calcium carbide	CALCIUMCARBIDE	75207	75-20-7			10			
Calcium chromate	CALCIUMCHROMATE	13765190	13765-19-0			10	313c	U032	
Calcium cyanamide	CALCIUMCYANAMIDE	156627	156-62-7			1,000	313		
Calcium cyanide	CALCIUMCYANIDE	592018	592-01-8			10	313c	P021	
Calcium dodecylbenzenesulfonate	CALCIUMDODECYLBENZENESULFONATE	26264062	26264-06-2			1,000			
Calcium hypochlorite	CALCIUMHYPOCHLORITE	7778543	7778-54-3			10			
Camphechlor	CAMPHECHLOR	8001352	8001-35-2	500/10,000	1	1	X	P123	
Camphene, octachloro-	CAMPHENE, OCTACHLORO-	8001352	8001-35-2	500/10,000	1	1	X	P123	

Cantharidin	CANTHARIDIN	56257	56-25-7	100/10,000	100				
Captan	CAPTAN	133062	133-06-2			10	313		
Carbachol chloride	CARBACHOL CHLORIDE	51832	51-83-2	500/10,000	500				
Carbamic acid, diethylthio-, S-(p-chlorobenzyl)	CARBAMIC ACIDDIETHYLTHIOCHLOROBENZYL)	28249776	28249-77-6				X		
Carbamic acid, ethyl ester	CARBAMIC ACIDETHYL ESTER	51796	51-79-6			100	X	U238	
Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-	CARBAMIC ACIDMETHYL-, O-(((2,4-DIMETHYL-1, 3-DIT	26419738	26419-73-8	100/10,000	100	100		P185	
Carbamodithioic acid, 1,2-ethanediylbis-, manganese complex	CARBAMODITHIOICACIDETHANEDIYLBIS-, MANGANESE COMPLEX	12427382	12427-38-2				X		
Carbamodithioic acid, 1,2-ethanediylbis-, zinc complex	CARBAMODITHIOICACIDETHANEDIYLBIS-, ZINC COMPLEX	12122677	12122-67-7				X		
Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propenyl)ester	CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-S-(2,3-DICHLORO-	2303164	2303-16-4			100	X	U062	
Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester	CARBAMOTHIOICACIDDIPROPYL-, S-(PHENYLMETHYL) ES	52888809	52888-80-9			5,000		U387	
Carbaryl	CARBARYL	63252	63-25-2			100	313	U279	
Carbendazim	CARBENDAZIM	10605217	10605-21-7			10		U372	
Carbofuran	CARBOFURAN	1563662	1563-66-2	10/10,000	10	10	313	P127	
Carbofuran phenol	CARBOFURANPHENOL	1563388	1563-38-8			10		U367	
Carbon disulfide	CARBONDISULFIDE	75150	75-15-0	10,000	100	100	313	P022	20,000
Carbonic difluoride	CARBONIC DIFLUORIDE	353504	353-50-4			1,000		U033	
Carbonic dichloride	CARBONICDICHLORIDE	75445	75-44-5	10	10	10	X	P095	500
Carbonochloridic acid, methylester	CARBONOCHLORIDICACIDMETHYLESTER	79221	79-22-1	500	1,000	1,000	X	U156	5,000
Carbonochloridic acid, 1-methylethyl ester	CARBONOCHLORIDICACIDMETHYLETHYL ESTER	108236	108-23-6	1,000	1,000				15,000
Carbonochloridic acid, propylester	CARBONOCHLORIDICACIDPROPYLESTER	109615	109-61-5	500	500				15,000
Carbon oxide sulfide (COS)	CARBONOXIDESULFIDE	463581	463-58-1			100	X		10,000
Carbon tetrachloride	CARBONTETRACHLORIDE	56235	56-23-5			10	313	U211	
Carbonyl sulfide	CARBONYLSULFIDE	463581	463-58-1			100	313		10,000
Carbophenothion	CARBOPHENOTHION	786196	786-19-6	500	500				
Carbosulfan	CARBOSULFAN	55285148	55285-14-8			1,000		P189	
Carboxin	CARBOXIN	5234684	5234-68-4				313		
Catechol	CATECHOL	120809	120-80-9			100	313		
CFC-11	CFC-11	75694	75-69-4			5,000	X	U121	
CFC-12	CFC-112	75718	75-71-8			5,000	X	U075	
CFC-114	CFC-114	76142	76-14-2				X		
CFC-115	CFC-115	76153	76-15-3				X		
CFC-13	CFC-13	75729	75-72-9				X		

Chinomethionat	CHINOMETHIONAT	2439012	2439-01-2				313		
Chloramben	CHLORAMBEN	133904	133-90-4			100	313		
Chlorambucil	CHLORAMBUCIL	305033	305-03-3			10		U035	
Chlordane	CHLORDANE	57749	57-74-9	1,000	1	1	313	U036	
Chlordane (Technical Mixture and Metabolites)	CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)	0	N.A.			&			
Chlorendic acid	CHLORENDIC ACID	115286	115-28-6				313		
Chlorfenvinfos	CHLORFENVINFOS	470906	470-90-6	500	500				
Chlorimuron ethyl	CHLORIMURON ETHYL	90982324	90982-32-4				313		
Chlorinated Benzenes	CHLORINATED BENZENES	0	N.A.			&			
Chlorinated Ethanes	CHLORINATED ETHANES	0	N.A.			&			
Chlorinated Naphthalene	CHLORINATED NAPHTHALENE	0	N.A.			&			
Chlorinated Phenols	CHLORINATED PHENOLS	1	N084			&	313		
Chlorine	CHLORINE	7782505	7782-50-5	100	10	10	313		2,500
Chlorine dioxide	CHLORINEDIOXIDE	10049044	10049-04-4				313		1,000
Chlorine monoxide	CHLORINEMONOXIDE	7791211	7791-21-1						10,000
Chlorine oxide	CHLORINEOXIDE	7791211	7791-21-1						10,000
Chlorine oxide (ClO2)	CHLORINEOXIDE (CLO2)	10049044	10049-04-4				X		1,000
Chlormephos	CHLORMEPHOS	24934916	24934-91-6	500	500				
Chlormequat chloride	CHLORMEQUAT CHLORIDE	999815	999-81-5	100/10,000	100				
Chlornaphazine	CHLORNAPHAZINE	494031	494-03-1			100		U026	
Chloroacetaldehyde	CHLOROACETALDEHYDE	107200	107-20-0			1,000		P023	
Chloroacetic acid	CHLOROACETICACID	79118	79-11-8	100/10,000	100	100	313		
2-Chloroacetophenone	CHLOROACETOPHENONE	532274	532-27-4			100	313		
Chloroalkyl Ethers	CHLOROALKYL ETHERS	0	N.A.			&			
1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride	CHLOROALLYLTRIAZA-1-AZONIAADAMANTANE CHLOR	4080313	4080-31-3				313		
p-Chloroaniline	CHLOROANILINE	106478	106-47-8			1,000	313	P024	
Chlorobenzene	CHLOROBENZENE	108907	108-90-7			100	313	U037	
Chlorobenzilate	CHLOROBENZILATE	510156	510-15-6			10	313	U038	
2-(4-((6-Chloro-2-benzoxazolylen)oxy)phenoxy)propanoic acid, ethyl ester	CHLOROBENZOXAZOLYLENOXYPHENOXYPROPANOICACID,	66441234	66441-23-4				X		
2-Chloro-N-(2-chloroethyl)-N-methylethanamine	CHLOROCHLOROETHYL)-N-METHYLETHANAMINE	51752	51-75-2	10	10		X		
p-Chloro-m-cresol	CHLOROCRESOL	59507	59-50-7			5,000		U039	
2,4-D chlorocrotyl ester	CHLOROCROTYL ESTER	2971382	2971-38-2			100	313		
Chlorodibromomethane	CHLORODIBROMOMETHANE	124481	124-48-1			100			

1-Chloro-1,1-difluoroethane	CHLORODIFLUOROETHANE	75683	75-68-3				313		
Chlorodifluoromethane	CHLORODIFLUOROMETHANE	75456	75-45-6				313		
5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione	CHLORODIMETHYLETHYLMETHYLPYRIMIDIN	5902512	5902-51-2				X		
Chloroethane	CHLOROETHANE	75003	75-00-3			100	313		10,000
Chloroethanol	CHLOROETHANOL	107073	107-07-3	500	500				
Chloroethyl chloroformate	CHLOROETHYLCHLOROFORMATE	627112	627-11-2	1,000	1,000				
6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine	CHLOROETHYLMETHYLETHYL)-1,3,5-TRIAZINE-2,4-DIAMI	1912249	1912-24-9				X		
2-Chloroethyl vinyl ether	CHLOROETHYLVINYL ETHER	110758	110-75-8			1,000		U042	
Chloroform	CHLOROFORM	67663	67-66-3	10,000	10	10	313	U044	20,000
Chloromethane	CHLOROMETHANE	74873	74-87-3			100	313	U045	10,000
2-Chloro-N-(((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl)benzenesulfonamide	CHLOROMETHOXYMETHYLTRIAZINYLAMINO]CA	64902723	64902-72-3				X		
4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-pyridazinone	CHLOROMETHYLAMINOTRIFLUOROMETHYLPHENYL]-3(2H)	27314132	27314-13-2				X		
Chloromethyl ether	CHLOROMETHYLETHER	542881	542-88-1	100	10	10	X	P016	1,000
4-Chloro-alpha-(1-methylethyl)benzeneacetic acid cyano(3-phenoxyphenyl)methyl ester	CHLOROMETHYLETHYLBENZENEACETICACID CYANOPHE	51630581	51630-58-1				X		
2-Chloro-N-(1-methylethyl)-N-phenylacetamide	CHLOROMETHYLETHYLPHENYLACETAMIDE	1918167	1918-16-7				X		
Chloromethyl methyl ether	CHLOROMETHYLMETHYLETHER	107302	107-30-2	100	10	10	313	U046	5,000
(4-Chloro-2-methylphenoxy) acetate sodium salt	CHLOROMETHYLPHENOXYACETATESODIUMSALT	3653483	3653-48-3				X		
(4-Chloro-2-methylphenoxy) acetic acid	CHLOROMETHYLPHENOXYACETICACID	94746	94-74-6				X		
3-Chloro-2-methyl-1-propene	CHLOROMETHYLPROPENE	563473	563-47-3				313		
2-Chloronaphthalene	CHLORONAPHTHALENE	91587	91-58-7			5,000		U047	
Chlorophacinone	CHLOROPHACINONE	3691358	3691-35-8	100/10,000	100				
2-Chlorophenol	CHLOROPHENOL	95578	95-57-8			100		U048	
Chlorophenols	CHLOROPHENOLS	1	N084			&	313		
1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone	CHLOROPHENOXYDIMETHYLTRIAZOLYL	43121433	43121-43-3				X		
.alpha.-(2-Chlorophenyl)-.alpha.-4-chlorophenyl)-5-pyrimidinemethanol	CHLOROPHENYLCHLOROPHENYLPYRIMIDIN	60168889	60168-88-9				X		
p-Chlorophenyl isocyanate	CHLOROPHENYLISOCYANATE	104121	104-12-1				313		
4-Chlorophenyl phenyl ether	CHLOROPHENYLPHENYLETHER	7005723	7005-72-3			5,000			
Chloropicrin	CHLOROPICRIN	76062	76-06-2				313		
Chloroprene	CHLOROPRENE	126998	126-99-8			100	313		
3-Chloropropionitrile	CHLOROPROPIONITRILE	542767	542-76-7	1,000	1,000	1,000	313	P027	
2-Chloropropylene	CHLOROPROPYLENE	557982	557-98-2						10,000
1-Chloropropylene	CHLOROPROPYLENE	590216	590-21-6						10,000

2-(4-((6-Chloro-2-quinoxalinyl)oxy]phenoxy) propanoic acid ethyl ester	CHLOROQUINOXALINYLOXYPHENOXYPROPANOIC ACID E	76578148	76578-14-8				X		
Chlorosulfonic acid	CHLOROSULFONIC ACID	7790945	7790-94-5			1,000			
Chlorotetrafluoroethane	CHLOROTETRAFLUOROETHANE	63938103	63938-10-3				313		
1-Chloro-1,1,2,2-tetrafluoroethane	CHLOROTETRAFLUOROETHANE1	354256	354-25-6				313		
2-Chloro-1,1,1,2-tetrafluoroethane	CHLOROTETRAFLUOROETHANE2	2837890	2837-89-0				313		
Chlorothalonil	CHLOROTHALONIL	1897456	1897-45-6				313		
p-Chloro-o-toluidine	CHLOROTOLUIDINE	95692	95-69-2				313		
4-Chloro-o-toluidine, hydrochloride	CHLOROTOLUIDINE, HYDROCHLORIDE	3165933	3165-93-3			100		U049	
2-Chloro-6-(trichloromethyl)pyridine	CHLOROTRICHLOROMETHYLPYRIDINE	1929824	1929-82-4				X		
2-Chloro-1,1,1-trifluoroethane	CHLOROTRIFLUOROETHANE (HCFC-133A)	75887	75-88-7				313		
Chlorotrifluoromethane	CHLOROTRIFLUOROMETHANE	75729	75-72-9				313		
5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, sodium salt	CHLOROTRIFLUOROMETHYLPHENOXY)-2-NITROBENZOIC ACID,	62476599	62476-59-9				X		
5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-methylsulfonyl)-2-nitrobenzamide	CHLOROTRIFLUOROMETHYLPHENOXYMETHYLSULFONYL)-2-	72178020	72178-02-0				X		
5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitro-2-ethoxy-1-methyl-2-oxoethyl ester	CHLOROTRIFLUOROMETHYLPHENOXYNITROETHOXYM	77501634	77501-63-4				X		
N-(2-Chloro-4-(trifluoromethyl)phenyl)-DL-valine(+)-cyano(3-phenoxyphenyl)methyl ester	CHLOROTRIFLUOROMETHYLPHENYLVALINE(+)-CYANO(3-	69409945	69409-94-5				X		
3-Chloro-1,1,1-trifluoropropane	CHLOROTRIFLUOROPROPANE (HCFC-253FB)	460355	460-35-5				313		
3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid cyano(3-phenoxyphenyl) methyl ester	CHLOROTRIFLUOROPROPENYLDIMETHYLCYCLOPRO	68085858	68085-85-8				X		
Chloroxuron	CHLOROXURON	1982474	1982-47-4	500/10,000	500				
Chlorpyrifos	CHLORPYRIFOS	2921882	2921-88-2			1			
Chlorpyrifos methyl	CHLORPYRIFOSMETHYL	5598130	5598-13-0				313		
Chlorsulfuron	CHLORSULFURON	64902723	64902-72-3				313		
Chlorthiophos	CHLORTHIOPHOS	21923239	21923-23-9	500	500				
Chromic acetate	CHROMIC ACETATE	1066304	1066-30-4			1,000	313c		
Chromic acid	CHROMIC ACID	7738945	7738-94-5			10	313c		
Chromic acid	CHROMIC ACID	11115745	11115-74-5			10	313c		
Chromic chloride	CHROMIC CHLORIDE	10025737	10025-73-7	1/10,000	1		313c		
Chromic sulfate	CHROMIC SULFATE	10101538	10101-53-8			1,000	313c		
Chromium	CHROMIUM	7440473	7440-47-3			5,000	313		
Chromium Compounds	CHROMIUM AND COMPOUNDS	1	N090			&	313		
Chromous chloride	CHROMOUS CHLORIDE	10049055	10049-05-5			1,000	313c		
d-trans-Chrysanthemic acid of d-allethrone	CHRYSANTHEMICACID OF D-ALLETHRONE	28057489	28057-48-9				X		
Chrysene	CHRYSENE	218019	218-01-9			100	X	U050	

C.I. Acid Green 3	CIACIDGREEN3	4680788	4680-78-8				313		
C.I. Acid Red 114	CIACIDRED114	6459945	6459-94-5				313		
C.I. Basic Green 4	CIBASICGREEN4	569642	569-64-2				313		
C.I. Basic Red 1	CIBASICRED1	989388	989-38-8				313		
C.I. Direct Black 38	CIDIRECTBLACK38	1937377	1937-37-7				313		
C.I. Direct Blue 218	CIDIRECTBLUE218	28407376	28407-37-6				313		
C.I. Direct Blue 6	CIDIRECTBLUE6	2602462	2602-46-2				313		
C.I. Direct Brown 95	CIDIRECTBROWN95	16071866	16071-86-6				313		
C.I. Disperse Yellow 3	CIDISPERSEYELLOW	2832408	2832-40-8				313		
C.I. Food Red 5	CIFOODRED05	3761533	3761-53-3				313		
C.I. Food Red 15	CIFOODRED15	81889	81-88-9				313		
C.I. Solvent Orange 7	CISOLVENTORANGE	3118976	3118-97-6				313		
C.I. Solvent Yellow 3	CISOLVENTYELLOWA	97563	97-56-3				313		
C.I. Solvent Yellow 14	CISOLVENTYELLOWB	842079	842-07-9				313		
C.I. Solvent Yellow 34	CISOLVENTYELLOWC	492808	492-80-8			100	313	U014	
C.I. Vat Yellow 4	CIVATYELLOW4	128665	128-66-5				313		
Cobalt	COBALT	7440484	7440-48-4				313		
Cobalt carbonyl	COBALT CARBONYL	10210681	10210-68-1	10/10,000	10		313c		
Cobalt Compounds	COBALT COMPOUNDS	1	N096			&	313		
Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenylato))(2-)-N,N',O,O')-	COBALT, ((2,2'-(1,2-ETHANEDIYLBIS (NITRILOMETHYLID	62207765	62207-76-5	100/10,000	100		313c		
Cobaltous bromide	COBALTOUS BROMIDE	7789437	7789-43-7			1,000	313c		
Cobaltous formate	COBALTOUS FORMATE	544183	544-18-3			1,000	313c		
Cobaltous sulfamate	COBALTOUS SULFAMATE	14017415	14017-41-5			1,000	313c		
Coke Oven Emissions	COKE OVEN EMISSIONS	0	N.A.			1			
Colchicine	COLCHICINE	64868	64-86-8	10/10,000	10				
Copper	COPPER	7440508	7440-50-8			5,000	313		
Copper Compounds	COPPER COMPOUNDS	1	N100			&	313		
Copper cyanide	COPPER CYANIDE	544923	544-92-3			10	313c	P029	
Coumaphos	COUMAPHOS	56724	56-72-4	100/10,000	10	10			
Coumatetralyl	COUMATETRALYL	5836293	5836-29-3	500/10,000	500				
Creosote	CREOSOTE	0	N.A.			1		U051	
Creosote	CREOSOTE	8001589	8001-58-9				313		
p-Cresidine	CRESIDINE	120718	120-71-8				313		

m-Cresol	CRESOLA	108394	108-39-4			100	313	U052	
o-Cresol	CRESOLB	95487	95-48-7	1,000/10,000	100	100	313	U052	
p-Cresol	CRESOLC	106445	106-44-5			100	313	U052	
Cresol (mixed isomers)	CRESOLMIXEDISOMER	1319773	1319-77-3			100	313	U052	
Crimidine	CRIMIDINE	535897	535-89-7	100/10,000	100				
Crotonaldehyde	CROTONALDEHYDE	4170303	4170-30-3	1,000	100	100	313	U053	20,000
Crotonaldehyde, (E)-	CROTONALDEHYDE, (E)-	123739	123-73-9	1,000	100	100		U053	20,000
Cumene	CUMENE	98828	98-82-8			5,000	313	U055	
Cumene hydroperoxide	CUMENEHYDROPEROXIDE	80159	80-15-9			10	313	U096	
Cupferron	CUPFERRON	135206	135-20-6				313		
Cupric acetate	CUPRIC ACETATE	142712	142-71-2			100	313c		
Cupric acetoarsenite	CUPRIC ACETOARSENITE	12002038	12002-03-8	500/10,000	1	1	313c		
Cupric chloride	CUPRIC CHLORIDE	7447394	7447-39-4			10	313c		
Cupric nitrate	CUPRIC NITRATE	3251238	3251-23-8			100	313c		
Cupric oxalate	CUPRIC OXALATE	5893663	5893-66-3			100	313c		
Cupric sulfate	CUPRIC SULFATE	7758987	7758-98-7			10	313c		
Cupric sulfate, ammoniated	CUPRIC SULFATE, AMMONIATED	10380297	10380-29-7			100	313c		
Cupric tartrate	CUPRIC TARTRATE	815827	815-82-7			100	313c		
Cyanazine	CYANAZINE	21725462	21725-46-2				313		
Cyanide Compounds	CYANIDE COMPOUNDS	1	N106			&	313		
Cyanides (soluble salts and complexes), not otherwise specified	CYANIDES (SOLUBLE SALTS AND COMPLEXES) NOT OTHERWI	0	N.A.			10	313c	P030	
Cyanogen	CYANOGEN	460195	460-19-5			100		P031	10,000
Cyanogen bromide	CYANOGENBROMIDE	506683	506-68-3	500/10,000	1,000	1,000	313c	U246	
Cyanogen chloride	CYANOGENCHLORIDE	506774	506-77-4			10	313c	P033	10,000
Cyanogen iodide	CYANOGENIODIDE	506785	506-78-5	1,000/10,000	1,000		313c		
Cyanophos	CYANOPHOS	2636262	2636-26-2	1,000	1,000				
Cyanuric fluoride	CYANURICFLUORIDE	675149	675-14-9	100	100		313c		
Cycloate	CYCLOATE	1134232	1134-23-2				313		
2,5-Cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-	CYCLOHEXADIENEDIONETRIS(1-AZIRIDINYL)-	68768	68-76-8				X		
Cyclohexanamine	CYCLOHEXANAMINE	108918	108-91-8	10,000	10,000				15,000
Cyclohexane	CYCLOHEXANE	110827	110-82-7			1,000	313	U056	
1,4-Cyclohexane diisocyanate	CYCLOHEXANEDIISOCYANATE	2556367	2556-36-7				313#		
Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-	CYCLOHEXANEHEXACHLORO-,(1.ALPHA.,2.ALPHA.,3.BE	58899	58-89-9	1,000/10,000	1	1	X	U129	

Cyclohexanol	CYCLOHEXANOL	108930	108-93-0				313		
Cyclohexanone	CYCLOHEXANONE	108941	108-94-1			5,000		U057	
Cycloheximide	CYCLOHEXIMIDE	66819	66-81-9	100/10,000	100				
Cyclohexylamine	CYCLOHEXYLAMINE	108918	108-91-8	10,000	10,000				15,000
2-Cyclohexyl-4,6-dinitrophenol	CYCLOHEXYLDINITROPHENOL	131895	131-89-5			100		P034	
Cyclophosphamide	CYCLOPHOSPHAMIDE	50180	50-18-0			10		U058	
Cyclopropane	CYCLOPROPANE	75194	75-19-4						10,000
Cyfluthrin	CYFLUTHRIN	68359375	68359-37-5				313		
Cyhalothrin	CYHALOTHRIN	68085858	68085-85-8				313		
2,4-D	D	94757	94-75-7			100	313	U240	
2,4-D Acid	D ACID	94757	94-75-7			100	X	U240	
2,4-D butyl ester	D BUTYL ESTER	94804	94-80-4			100	313		
2,4-D Esters	D ESTERS	94111	94-11-1			100	X		
2,4-D Esters	D ESTERS	94791	94-79-1			100			
2,4-D Esters	D ESTERS	94804	94-80-4			100	X		
2,4-D Esters	D ESTERS	1320189	1320-18-9			100	X		
2,4-D Esters	D ESTERS	1928387	1928-38-7			100			
2,4-D Esters	D ESTERS	1928616	1928-61-6			100			
2,4-D Esters	D ESTERS	1929733	1929-73-3			100	X		
2,4-D Esters	D ESTERS	2971382	2971-38-2			100	X		
2,4-D Esters	D ESTERS	25168267	25168-26-7			100			
2,4-D Esters	D ESTERS	53467111	53467-11-1			100			
2,4-D isopropyl ester	D ISOPROPYL ESTER	94111	94-11-1			100	313		
2,4-D propylene glycol butyl ether ester	D PROPYLENE GLYCOL BUTYL ETHER ESTER	1320189	1320-18-9			100	313		
2,4-D, salts and esters	D SALTS	94757	94-75-7			100		U240	
Daunomycin	DAUNOMYCIN	20830813	20830-81-3			10		U059	
Dazomet	DAZOMET	533744	533-74-4				313		
Dazomet, sodium salt	DAZOMETSODIUM SALT	53404607	53404-60-7				313		
2,4-DB	DB	94826	94-82-6				313		
DBCP	DBCP	96128	96-12-8			1	X	U066	
DDD	DDD	72548	72-54-8			1		U060	
DDE	DDE	72559	72-55-9			1			
DDE	DDE	3547044	3547-04-4			5,000			
DDT	DDT	50293	50-29-3			1		U061	

DDT and Metabolites	DDT AND METABOLITES	0	N.A.			&			
Decaborane(14)	DECABORANE(14)	17702419	17702-41-9	500/10,000	500				
Decabromodiphenyl oxide	DECABROMODIPHENYLOX	1163195	1163-19-5				313		
DEF	DEF	78488	78-48-8				X		
DEHP	DEHP	117817	117-81-7			100	X	U028	
Demeton	DEMETON	8065483	8065-48-3	500	500				
Demeton-S-methyl	DEMETON-S-METHYL	919868	919-86-8	500	500				
Desmedipham	DESMEDIPHAM	13684565	13684-56-5				313		
2,4-D 2-ethylhexyl ester	DETHYLHEXYL ESTER	1928434	1928-43-4				313		
2,4-D 2-ethyl-4-methylpentyl ester	DETHYLMETHYLPENTYL ESTER	53404378	53404-37-8				313		
Dialifor	DIALIFOR	10311849	10311-84-9	100/10,000	100				
Diallate	DIALLATE	2303164	2303-16-4			100	313	U062	
2,4-Diaminoanisole	DIAMINOANISOLE	615054	615-05-4				313		
2,4-Diaminoanisole sulfate	DIAMINOANISOLESULF	39156417	39156-41-7				313		
4,4'-Diaminodiphenyl ether	DIAMINODIPHENYL	101804	101-80-4				313		
Diaminotoluene	DIAMINOTOLUENE	496720	496-72-0			10		U221	
Diaminotoluene	DIAMINOTOLUENE	823405	823-40-5			10		U221	
2,4-Diaminotoluene	DIAMINOTOLUENEA	95807	95-80-7			10	313		
Diaminotoluene (mixed isomers)	DIAMINOTOLUENEMIXE	25376458	25376-45-8			10	313	U221	
o-Dianisidine dihydrochloride	DIANISIDINEDIHYDROCHLORIDE	20325400	20325-40-0				X		
o-Dianisidine hydrochloride	DIANISIDINEHYDROCHLORIDE	111984099	111984-09-9				X		
Diazinon	DIAZINON	333415	333-41-5			1	313		
Diazomethane	DIAZOMETHANE	334883	334-88-3			100	313		
Dibenz(a,h)acridine	DIBENZACRIDINEAH	226368	226-36-8				313+		
Dibenz(a,j)acridine	DIBENZACRIDINEAJ	224420	224-42-0				313+		
Dibenz[a,h]anthracene	DIBENZANTHRACENE	53703	53-70-3			1	313+	U063	
7H-Dibenzo(c,g)carbazole	DIBENZOCARBAZOLECG	194592	194-59-2				313+		
Dibenzo(a,e)fluoranthene	DIBENZOFLUORANTHENEAE	5385751	5385-75-1				313+		
Dibenzofuran	DIBENZOFURAN	132649	132-64-9			100	313		
Dibenzo(a,e)pyrene	DIBENZOPYRENEAE	192654	192-65-4				313+		
Dibenzo(a,h)pyrene	DIBENZOPYRENEAH	189640	189-64-0				313+		
Dibenzo(a,l)pyrene	DIBENZOPYRENEAL	191300	191-30-0				313+		
Dibenz[a,i]pyrene	DIBENZPYRENEAI	189559	189-55-9			10	X	U064	
Diborane	DIBORANE	19287457	19287-45-7	100	100				2,500

Diborane(6)	DIBORANE(6)	19287457	19287-45-7	100	100				2,500
1,2-Dibromo-3-chloropropane	DIBROMOCHLORO	96128	96-12-8			1	313	U066	
1,2-Dibromoethane	DIBROMOETHANEE	106934	106-93-4			1	313	U067	
3,5-Dibromo-4-hydroxybenzonitrile	DIBROMOHYDROXYBENZONITRILE	1689845	1689-84-5				X		
2,2-Dibromo-3-nitrilopropionamide	DIBROMONITRILOPROPIONAMIDE	10222012	10222-01-2				313s		
Dibromotetrafluoroethane	DIBROMOTETRAFLUOROETHANE	124732	124-73-2				313		
Dibutyl phthalate	DIBUTYLPHTHALATE	84742	84-74-2			10	313	U069	
Dicamba	DICAMBA	1918009	1918-00-9			1,000	313		
Dichlobenil	DICHLOBENIL	1194656	1194-65-6			100			
Dichlone	DICHLONE	117806	117-80-6			1			
Dichloran	DICHLORAN	99309	99-30-9				313		
o-Dichlorobenzene	DICHLOROBENZENE	95501	95-50-1			100	X	U070	
Dichlorobenzene	DICHLOROBENZENE	25321226	25321-22-6			100	X		
1,2-Dichlorobenzene	DICHLOROBENZENEA	95501	95-50-1			100	313	U070	
1,3-Dichlorobenzene	DICHLOROBENZENEB	541731	541-73-1			100	313	U071	
1,4-Dichlorobenzene	DICHLOROBENZENEC	106467	106-46-7			100	313	U072	
Dichlorobenzene (mixed isomers)	DICHLOROBENZENEMIX	25321226	25321-22-6			100	313		
Dichlorobenzidine	DICHLOROBENZIDINE	0	N.A.			&			
3,3'-Dichlorobenzidine	DICHLOROBENZIDINE	91941	91-94-1			1	313	U073	
3,3'-Dichlorobenzidine dihydrochloride	DICHLOROBENZIDINEDIHYDROCHLORIDE	612839	612-83-9				313		
3,3'-Dichlorobenzidine sulfate	DICHLOROBENZIDINESULFATE	64969342	64969-34-2				313		
Dichlorobromomethane	DICHLOROBROMOMETHANE	75274	75-27-4			5,000	313		
trans-1,4-Dichloro-2-butene	DICHLOROBUTENE	110576	110-57-6	500	500		313		
trans-1,4-Dichlorobutene	DICHLOROBUTENE	110576	110-57-6	500	500		X		
1,4-Dichloro-2-butene	DICHLOROBUTENE2	764410	764-41-0			1	313	U074	
4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine	DICHLOROCHLOROPHENYLTRIAZIN-2-AMINE	101053	101-05-3				X		
1,2-Dichloro-1,1-difluoroethane	DICHLORODIFLUOROETHANE (HCFC-132B)	1649087	1649-08-7				313		
Dichlorodifluoromethane	DICHLORODIFLUOROMETHANE	75718	75-71-8			5,000	313	U075	
1,1-Dichloroethane	DICHLOROETHANE	75343	75-34-3			1,000	X	U076	
1,2-Dichloroethane	DICHLOROETHANE	107062	107-06-2			100	313	U077	
3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid, (3-phenoxy-phenyl)methyl ester	DICHLOROETHENYLDIMETHYLCYCLOPROPANECARBOXYLI	52645531	52645-53-1				X		
3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3-phenoxyphenyl)methyl ester	DICHLOROETHENYLDIMETHYLCYCLOPROPANECARBOXYLIC A	68359375	68359-37-5				X		
1,1-Dichloroethylene	DICHLOROETHYLENE	75354	75-35-4			100	X	U078	10,000

1,2-Dichloroethylene	DICHLOROETHYLENE	156605	156-60-5			1,000		U079	
1,2-Dichloroethylene	DICHLOROETHYLENE	540590	540-59-0				313		
Dichloroethyl ether	DICHLOROETHYLETHER	111444	111-44-4	10,000	10	10	X	U025	
1,1-Dichloro-1-fluoroethane	DICHLOROFLUOROETHANE	1717006	1717-00-6				313		
Dichlorofluoromethane	DICHLOROFLUOROMETHANE	75434	75-43-4				313		
Dichloroisopropyl ether	DICHLOROISOPROPYL ETHER	108601	108-60-1			1,000	X	U027	
Dichloromethane	DICHLOROMETHANE	75092	75-09-2			1,000	313	U080	
3,6-Dichloro-2-methoxybenzoic acid	DICHLOROMETHOXYBENZOICACID	1918009	1918-00-9			1,000	X		
3,6-Dichloro-2-methoxybenzoic acid, sodium salt	DICHLOROMETHOXYBENZOICACIDSODIUM SALT	1982690	1982-69-0				X		
Dichloromethyl ether	DICHLOROMETHYLETHER	542881	542-88-1	100	10	10	X	P016	1,000
3-(2,4-Dichloro-5-(1-methylethoxy)phenyl)-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one	DICHLOROMETHYLETHOXYPHENYLDIMETHYL ETH	19666309	19666-30-9				X		
Dichloromethylphenylsilane	DICHLOROMETHYLPHENYLSILANE	149746	149-74-6	1,000	1,000				
2,6-Dichloro-4-nitroaniline	DICHLORONITROANILINE	99309	99-30-9				X		
Dichloropentafluoropropane	DICHLOROPENTAFLUOROPROPANE	127564925	127564-92-5				313		
2,2-Dichloro-1,1,1,3,3-pentafluoropropane	DICHLOROPENTAFLUOROPROPANE (HCFC-225AA)	128903219	128903-21-9				313		
2,3-Dichloro-1,1,1,2,3-pentafluoropropane	DICHLOROPENTAFLUOROPROPANE (HCFC-225BA)	422480	422-48-0				313		
1,2-Dichloro-1,1,2,3,3-pentafluoropropane	DICHLOROPENTAFLUOROPROPANE (HCFC-225BB)	422446	422-44-6				313		
3,3-Dichloro-1,1,1,2,2-pentafluoropropane	DICHLOROPENTAFLUOROPROPANE (HCFC-225CA)	422560	422-56-0				313		
1,3-Dichloro-1,1,2,2,3-pentafluoropropane	DICHLOROPENTAFLUOROPROPANE (HCFC-225CB)	507551	507-55-1				313		
1,1-Dichloro-1,2,2,3,3-pentafluoropropane	DICHLOROPENTAFLUOROPROPANE (HCFC-225CC)	13474889	13474-88-9				313		
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	DICHLOROPENTAFLUOROPROPANE (HCFC-225DA)	431867	431-86-7				313		
1,3-Dichloro-1,1,2,3,3-pentafluoropropane	DICHLOROPENTAFLUOROPROPANE (HCFC-225EA)	136013791	136013-79-1				313		
1,1-Dichloro-1,2,3,3,3-pentafluoropropane	DICHLOROPENTAFLUOROPROPANE (HCFC-225EB)	111512562	111512-56-2				313		
Dichlorophene	DICHLOROPHENE	97234	97-23-4				313		
2,6-Dichlorophenol	DICHLOROPHENOL	87650	87-65-0			100		U082	
2,4-Dichlorophenol	DICHLOROPHENOL	120832	120-83-2			100	313	U081	
2-(4-(2,4-Dichlorophenoxy)phenoxy)propanoic acid, methyl ester	DICHLOROPHENOXYPHENOXYPROPANOICACI DMETHYL EST	51338273	51338-27-3				X		
Dichlorophenylarsine	DICHLOROPHENYLARSINE	696286	696-28-6	500	1	1		P036	
3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione	DICHLOROPHENYLETHENYLMETHYLOXAZOLI DINEDIO	50471448	50471-44-8				X		
2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione	DICHLOROPHENYLMETHYLOXADIAZOLIDINEDI O	20354261	20354-26-1				X		
N-(3,4-Dichlorophenyl)propanamide	DICHLOROPHENYLPROPANAMIDE	709988	709-98-8				X		

1-(2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl)-1H-imidazole	DICHLOROPHENYLPROPENYLOXYETHYLIMIDAZO	35554440	35554-44-0				X		
1-(2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)-methyl-1H-1,2,4,-triazole	DICHLOROPHENYLPROPYLDIOXOLANYLMETHYL	60207901	60207-90-1				X		
Dichloropropane	DICHLOROPROPANE	26638197	26638-19-7			1,000			
Dichloropropane - Dichloropropene (mixture)	DICHLOROPROPANE - DICHLOROPROPENE (MIXTURE)	8003198	8003-19-8			100			
1,1-Dichloropropane	DICHLOROPROPANE11	78999	78-99-9			1,000			
1,2-Dichloropropane	DICHLOROPROPANE12	78875	78-87-5			1,000	313	U083	
1,3-Dichloropropane	DICHLOROPROPANE13	142289	142-28-9			1,000			
Dichloropropene	DICHLOROPROPENE	26952238	26952-23-8			100			
1,3-Dichloropropene	DICHLOROPROPENE13	542756	542-75-6			100	X	U084	
trans-1,3-Dichloropropene	DICHLOROPROPENE13T	10061026	10061-02-6				313		
2,3-Dichloropropene	DICHLOROPROPENE23	78886	78-88-6			100	313		
2,2-Dichloropropionic acid	DICHLOROPROPIONIC ACID	75990	75-99-0			5,000			
1,3-Dichloropropylene	DICHLOROPROPYLEN	542756	542-75-6			100	313	U084	
Dichlorosilane	DICHLOROSILANE	4109960	4109-96-0						10,000
Dichlorotetrafluoroethane	DICHLOROTETRAFLUOROETHANE	76142	76-14-2				313		
Dichlorotrifluoroethane	DICHLOROTRIFLUOROETHANE	34077877	34077-87-7				313		
Dichloro-1,1,2-trifluoroethane	DICHLOROTRIFLUOROETHANE	90454185	90454-18-5				313		
1,1-Dichloro-1,2,2-trifluoroethane	DICHLOROTRIFLUOROETHANE11	812044	812-04-4				313		
1,2-Dichloro-1,1,2-trifluoroethane	DICHLOROTRIFLUOROETHANE12	354234	354-23-4				313		
2,2-Dichloro-1,1,1-trifluoroethane	DICHLOROTRIFLUOROETHANE22	306832	306-83-2				313		
Dichlorvos	DICHLORVOS	62737	62-73-7	1,000	10	10	313		
Diclofop methyl	DICLOFOPMETHYL	51338273	51338-27-3				313		
Dicofol	DICOFOL	115322	115-32-2			10	313		
Dicrotophos	DICROTOPHOS	141662	141-66-2	100	100				
Dicyclopentadiene	DICYCLOPENTADIENE	77736	77-73-6				313		
Dieldrin	DIELDRIN	60571	60-57-1			1		P037	
Diepoxybutane	DIEPOXYBUTANE	1464535	1464-53-5	500	10	10	313	U085	
Diethanolamine	DIETHANOLAMINE	111422	111-42-2			100	313		
Diethatyl ethyl	DIETHATYLETHYL	38727558	38727-55-8				313		
Diethylamine	DIETHYLAMINE	109897	109-89-7			100			
O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)-O,O-dimethyl phosphorothioate	DIETHYLAMINOMETHYLPYRIMIDINYLDIMETHYLPHO	29232937	29232-93-7				X		
N,N-Diethylaniline	DIETHYLANILINE	91667	91-66-7			1,000			
Diethylarsine	DIETHYLARSINE	692422	692-42-2			1		P038	

Diethyl chlorophosphate	DIETHYLCHLOROPHOSPHATE	814493	814-49-3	500	500				
Diethyldiisocyanatobenzene	DIETHYLDIISOCYANATOBENZENE	134190377	134190-37-7				313#		
Di(2-ethylhexyl) phthalate	DIETHYLHEXYLPHT	117817	117-81-7			100	313	U028	
O,O-Diethyl S-methyl dithiophosphate	DIETHYLMETHYLDITHIOPHOSPHATE	3288582	3288-58-2			5,000		U087	
Diethyl-p-nitrophenyl phosphate	DIETHYLNITROPHENYL PHOSPHATE	311455	311-45-5			100		P041	
Diethyl phthalate	DIETHYLPHTHALATE	84662	84-66-2			1,000		U088	
O,O-Diethyl O-pyrazinyl phosphorothioate	DIETHYLPYRAZINYL PHOSPHOROTHIOATE	297972	297-97-2	500	100	100		P040	
Diethylstilbestrol	DIETHYLSTILBESTROL	56531	56-53-1			1		U089	
Diethyl sulfate	DIETHYLSULFATE	64675	64-67-5			10	313		
Diflubenzuron	DIFLUBENZURON	35367385	35367-38-5				313		
Difluoroethane	DIFLUOROETHANE	75376	75-37-6						10,000
Digitoxin	DIGITOXIN	71636	71-63-6	100/10,000	100				
Diglycidyl ether	DIGLYCIDYL ETHER	2238075	2238-07-5	1,000	1,000				
Diglycidyl resorcinol ether	DIGLYCIDYLRESORCINOL ETHER	101906	101-90-6				313		
Digoxin	DIGOXIN	20830755	20830-75-5	10/10,000	10				
2,3,-Dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide	DIHYDRODIMETHYLDITHIINTETRAOXIDE	55290647	55290-64-7				X		
5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide	DIHYDROMETHYLPHENYLOXATHIINCARBOXAMIDE	5234684	5234-68-4				X		
Dihydrosafrole	DIHYDROSAFROLE	94586	94-58-6			10	313	U090	
Diisocyanates (includes only 20 chemicals)	DIISOCYANATES	1	N120				313		
4,4'-Diisocyanatodiphenyl ether	DIISOCYANATODIPHENYLETHER	4128738	4128-73-8				313#		
2,4'-Diisocyanatodiphenyl sulfide	DIISOCYANATODIPHENYLSULFIDE	75790873	75790-87-3				313#		
Diisopropylfluorophosphate	DIISOPROPYLFLUOROPHOSPHATE	55914	55-91-4	100	100	100		P043	
Dimefox	DIMEFOX	115264	115-26-4	500	500				
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1.alpha.,4.alpha.,4a.beta.,5.alpha.,8.alpha.,8a.beta.)-	DIMETHANONAPHTHALENEHEXACHLORO-1,4,4	309002	309-00-2	500/10,000	1	1	X	P004	
Dimethipin	DIMETHIPIN	55290647	55290-64-7				313		
Dimethoate	DIMETHOATE	60515	60-51-5	500/10,000	10	10	313	P044	
3,3'-Dimethoxybenzidine	DIMETHOXYBENZID	119904	119-90-4			100	313	U091	
3,3'-Dimethoxybenzidine dihydrochloride	DIMETHOXYBENZIDINEDIHYDROCHLORIDE	20325400	20325-40-0				313		
3,3'-Dimethoxybenzidine-4,4'-diisocyanate	DIMETHOXYBENZIDINEDIISOCYANATE	91930	91-93-0				313#		
3,3'-Dimethoxybenzidine hydrochloride	DIMETHOXYBENZIDINEHYDROCHLORIDE	111984099	111984-09-9				313		
Dimethylamine	DIMETHYLAMINE	124403	124-40-3			1,000	313	U092	10,000
Dimethylamine dicamba	DIMETHYLAMINEDICAMBA	2300665	2300-66-5				313		

4-Dimethylaminoazobenzene	DIMETHYLAMINOAZO	60117	60-11-7			10	313	U093	
Dimethylaminoazobenzene	DIMETHYLAMINOAZOBENZENE	60117	60-11-7			10	X	U093	
N,N-Dimethylaniline	DIMETHYLANILINE	121697	121-69-7			100	313		
7,12-Dimethylbenz[a]anthracene	DIMETHYLBENZAANTHRACENE	57976	57-97-6			1	313+	U094	
3,3'-Dimethylbenzidine	DIMETHYLBENZIDI	119937	119-93-7			10	313	U095	
3,3'-Dimethylbenzidine dihydrochloride	DIMETHYLBENZIDINEDIHYDROCHLORIDE	612828	612-82-8				313		
3,3'-Dimethylbenzidine dihydrofluoride	DIMETHYLBENZIDINEDIHYDROFLUORIDE	41766750	41766-75-0				313		
2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate	DIMETHYLBENZODIOXOLOL METHYLCARBAMATE	22781233	22781-23-3			100	X	U278	
Dimethylcarbamyl chloride	DIMETHYLCARBAMYL	79447	79-44-7			1	313	U097	
Dimethyl chlorothiophosphate	DIMETHYLCHLOROTHIOPHOSPHATE	2524030	2524-03-0	500	500		313		
Dimethyldichlorosilane	DIMETHYLDICHLOROSILANE	75785	75-78-5	500	500				5,000
3,3'-Dimethyl-4,4'-diphenylene diisocyanate	DIMETHYLDIPHENYLENEDIISOCYANATE	91974	91-97-4				313#		
3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate	DIMETHYLDIPHENYLMETHANEDIISOCYANATE	139253	139-25-3				313#		
N-(5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl)-N,N'-dimethylurea	DIMETHYLETHYLTHIADIAZOLYLDIMETHY	34014181	34014-18-1				X		
Dimethylformamide	DIMETHYLFORMAMIDE	68122	68-12-2			100	X		
N,N-Dimethylformamide	DIMETHYLFORMAMIDE,N,N-	68122	68-12-2			100	313		
1,1-Dimethyl hydrazine	DIMETHYLHYDRAZI	57147	57-14-7	1,000	10	10	313	U098	15,000
Dimethylhydrazine	DIMETHYLHYDRAZINE	57147	57-14-7	1,000	10	10	X	U098	15,000
O,O-Dimethyl O-(3-methyl-4-(methylthio) phenyl) ester, phosphorothioic acid	DIMETHYLMETHYLMETHYLTHIOPHENYLESTERPHOSP	55389	55-38-9				X		
2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl ester	DIMETHYLMETHYLPROPENYLCYCLOPROPANECARBOXYLIC A	7696120	7696-12-0				X		
2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester	DIMETHYLMETHYLPROPENYLCYCLOPROPANECARBOXYLIC A	26002802	26002-80-2				X		
2,4-Dimethylphenol	DIMETHYLPHENOL	105679	105-67-9			100	313	U101	
Dimethyl-p-phenylenediamine	DIMETHYLPHENYLENEDIAMINE	99989	99-98-9	10/10,000	10				
Dimethyl phosphorochloridothioate	DIMETHYLPHOSPHOROCHLORIDOTHIOATE	2524030	2524-03-0	500	500		X		
Dimethyl phthalate	DIMETHYLPHTALATE	131113	131-11-3			5,000	313	U102	
2,2-Dimethylpropane	DIMETHYLPROPANE	463821	463-82-1						10,000
Dimethyl sulfate	DIMETHYLSULFATE	77781	77-78-1	500	100	100	313	U103	
O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate	DIMETHYLTRICHLOROPYRIDYLPHOSPHOROTHIOATE	5598130	5598-13-0				X		
Dimetilan	DIMETILAN	644644	644-64-4	500/10,000	1	1		P191	
Dinitrobenzene (mixed isomers)	DINITROBENZENE (MIXED)	25154545	25154-54-5			100			
m-Dinitrobenzene	DINITROBENZENEM	99650	99-65-0			100	313		

o-Dinitrobenzene	DINITROBENZENEO	528290	528-29-0			100	313		
p-Dinitrobenzene	DINITROBENZENEP	100254	100-25-4			100	313		
Dinitrobutyl phenol	DINITROBUTYL PHENOL	88857	88-85-7	100/10,000	1,000	1,000	313	P020	
4,6-Dinitro-o-cresol	DINITROCRESOL	534521	534-52-1	10/10,000	10	10	313	P047	
Dinitrocresol	DINITROCRESOL	534521	534-52-1	10/10,000	10	10	X	P047	
4,6-Dinitro-o-cresol and salts	DINITROOCRESOL AND SALTS	534521	534-52-1			10		P047	
Dinitrophenol	DINITROPHENOLA	25550587	25550-58-7			10			
2,4-Dinitrophenol	DINITROPHENOLB	51285	51-28-5			10	313	P048	
2,5-Dinitrophenol	DINITROPHENOLC	329715	329-71-5			10			
2,6-Dinitrophenol	DINITROPHENOLD	573568	573-56-8			10			
1,6-Dinitropyrene	DINITROPYRENE	42397648	42397-64-8				313+		
1,8-Dinitropyrene	DINITROPYRENE	42397659	42397-65-9				313+		
Dinitrotoluene (mixed isomers)	DINITROTOLUENEA	25321146	25321-14-6			10	313		
2,4-Dinitrotoluene	DINITROTOLUENEB	121142	121-14-2			10	313	U105	
2,6-Dinitrotoluene	DINITROTOLUENEC	606202	606-20-2			100	313	U106	
3,4-Dinitrotoluene	DINITROTOLUENED	610399	610-39-9			10			
Dinocap	DINOCAP	39300453	39300-45-3				313		
Dinoseb	DINOSEB	88857	88-85-7	100/10,000	1,000	1,000	X	P020	
Dinoterb	DINOTERB	1420071	1420-07-1	500/10,000	500				
Di-n-octyl phthalate	DIOCTYLPHTHALATE	117840	117-84-0			5,000		U107	
n-Dioctylphthalate	DIOCTYLPHTHALATE	117840	117-84-0			5,000		U107	
1,4-Dioxane	DIOXANE	123911	123-91-1			100	313	U108	
Dioxathion	DIOXATHION	78342	78-34-2	500	500				
Dioxin and dioxin-like compounds (includes only 17 chemicals)	DIOXIN AND DIOXIN-LIKE COMPOUNDS	1	N150				313		
Diphacinone	DIPHACINONE	82666	82-66-6	10/10,000	10				
Diphenamid	DIPHENAMID	957517	957-51-7				313		
Diphenylamine	DIPHENYLAMINE	122394	122-39-4				313		
1,2-Diphenylhydrazine	DIPHENYLHYDRAZI	122667	122-66-7			10	313	U109	
Diphenylhydrazine	DIPHENYLHYDRAZINE	0	N.A.			&			
Diphosphoramide, octamethyl-	DIPHOSPHORAMIDE, OCTAMETHYL-	152169	152-16-9	100	100	100		P085	
Dipotassium endothall	DIPOTASSIUMENDOTHALL	2164070	2164-07-0				313		
Dipropylamine	DIPROPYLAMINE	142847	142-84-7			5,000		U110	
4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide	DIPROPYLAMINODINITROBENZENESULFONAMIDE	19044883	19044-88-3				X		
Dipropyl isocinchomeronate	DIPROPYLISOCINCHOMERONATE	136458	136-45-8				313		

Di-n-propylnitrosamine	DIPROPYLNITROSAMINE	621647	621-64-7			10	X	U111	
Diquat	DIQUAT	85007	85-00-7			1,000			
Diquat	DIQUAT	2764729	2764-72-9			1,000			
Disodium cyanodithioimidocarbonate	DISODIUMCYANODITHIOIMIDOCARBONATE	138932	138-93-2				313		
Disulfoton	DISULFOTON	298044	298-04-4	500	1	1		P039	
Dithiazanine iodide	DITHIAZANINE IODIDE	514738	514-73-8	500/10,000	500				
Dithiobiuret	DITHIOBIURET	541537	541-53-7	100/10,000	100	100	X	P049	
2,4-Dithiobiuret	DITHIOBIURET-2,4	541537	541-53-7	100/10,000	100	100	313	P049	
Diuron	DIURON	330541	330-54-1			100	313		
Dodecylbenzenesulfonic acid	DODECYLBENZENESULFONIC ACID	27176870	27176-87-0			1,000			
Dodecylguanidine monoacetate	DODECYLGUANIDINEMONOACETATE	2439103	2439-10-3				X		
Dodine	DODINE	2439103	2439-10-3				313		
2,4-DP	DP	120365	120-36-5				313		
2,4-D sodium salt	DSODIUM SALT	2702729	2702-72-9				313		
Emetine, dihydrochloride	EMETINE, DIHYDROCHLORIDE	316427	316-42-7	1/10,000	1				
Endosulfan	ENDOSULFAN	115297	115-29-7	10/10,000	1	1		P050	
alpha - Endosulfan	ENDOSULFAN	959988	959-98-8			1			
beta - Endosulfan	ENDOSULFAN	33213659	33213-65-9			1			
Endosulfan and Metabolites	ENDOSULFAN AND METABOLITES	0	N.A.			&			
Endosulfan sulfate	ENDOSULFAN SULFATE	1031078	1031-07-8			1			
Endothall	ENDOTHALL	145733	145-73-3			1,000		P088	
Endothion	ENDOTHION	2778043	2778-04-3	500/10,000	500				
Endrin	ENDRIN	72208	72-20-8	500/10,000	1	1		P051	
Endrin aldehyde	ENDRIN ALDEHYDE	7421934	7421-93-4			1			
Endrin and Metabolites	ENDRIN AND METABOLITES	0	N.A.			&			
Epichlorohydrin	EPICHLOROHYDRIN	106898	106-89-8	1,000	100	100	313	U041	20,000
Epinephrine	EPINEPHRINE	51434	51-43-4			1,000		P042	
EPN	EPN	2104645	2104-64-5	100/10,000	100				
EPTC	EPTC	759944	759-94-4				X		
Ergocalciferol	ERGOCALCIFEROL	50146	50-14-6	1,000/10,000	1,000				
Ergotamine tartrate	ERGOTAMINE TARTRATE	379793	379-79-3	500/10,000	500				
Ethanamine	ETHANAMINE	75047	75-04-7			100			10,000
Ethane	ETHANE	74840	74-84-0						10,000
Ethane, chloro-	ETHANECHLORO-	75003	75-00-3			100	X		10,000

1,2-Ethanediamine	ETHANEDIAMINE	107153	107-15-3	10,000	5,000	5,000			20,000
Ethane, 1,1-difluoro-	ETHANEDIFLUORO	75376	75-37-6						10,000
Ethanedinitrile	ETHANEDINITRILE	460195	460-19-5			100		P031	10,000
Ethane, 1,1'-oxybis-	ETHANEOXYBIS-	60297	60-29-7			100		U117	10,000
Ethaneperoxoic acid	ETHANEPEROXOICACID	79210	79-21-0	500	500		X		10,000
Ethanesulfonyl chloride, 2-chloro-	ETHANESULFONYL CHLORIDE, 2-CHLORO-	1622328	1622-32-8	500	500				
Ethane, 1,1,1,2-tetrachloro-	ETHANETETRACHLORO-	630206	630-20-6			100	X	U208	
Ethane, 1,1'-thiobis[2-chloro-	ETHANETHIOBISCHLORO-	505602	505-60-2	500	500		X		
Ethanethiol	ETHANETHIOL	75081	75-08-1						10,000
Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-	ETHANETRICHLOROTRIFLUORO-	76131	76-13-1				X		
Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester	ETHANIMIDOTHIOICACIDDIMETHYLAMINO)-N-HYDROXY	30558431	30558-43-1			5,000		U394	
Ethanimidothioic acid, N-[[methylamino)carbonyl]	ETHANIMIDOTHIOICACIDMETHYLAMINO)CARBONYL]	16752775	16752-77-5	500/10,000	100	100		P066	
Ethanol, 1,2-dichloro-, acetate	ETHANOLDICHLOROACETATE	10140871	10140-87-1	1,000	1,000				
Ethanol, 2-ethoxy-	ETHANOLETHOXY	110805	110-80-5			1,000	X	U359	
Ethanol, 2,2'-oxybis-, dicarbamate	ETHANOLOXYBISDICARBAMATE	5952261	5952-26-1			5,000		U395	
Ethene	ETHENE	74851	74-85-1				X		10,000
Ethene, bromotrifluoro-	ETHENEBROMOTRIFLUORO	598732	598-73-2						10,000
Ethene, chloro-	ETHENECHLORO-	75014	75-01-4			1	X	U043	10,000
Ethene, chlorotrifluoro-	ETHENECHLOROTRIFLU	79389	79-38-9						10,000
Ethene, 1,1-dichloro-	ETHENEDICHLORO	75354	75-35-4			100	X	U078	10,000
Ethene, 1,1-difluoro-	ETHENEDIFLUORO	75387	75-38-7						10,000
Ethene, ethoxy-	ETHENEETHOXY-	109922	109-92-2						10,000
Ethene, fluoro-	ETHENEFLUORO-	75025	75-02-5						10,000
Ethene, methoxy-	ETHENEMETHOXY-	107255	107-25-5						10,000
Ethene, tetrafluoro-	ETHENETETRAFLUORO-	116143	116-14-3						10,000
Ethion	ETHION	563122	563-12-2	1,000	10	10			
Ethoprop	ETHOPROP	13194484	13194-48-4	1,000	1,000		313		
Ethoprophos	ETHOPROPHOS	13194484	13194-48-4	1,000	1,000		X		
2-Ethoxyethanol	ETHOXYETHANOL	110805	110-80-5			1,000	313	U359	
2-(1-(Ethoxyimino) butyl)-5-(2-(ethylthio)propyl)-3-hydroxyl-2-cyclohexen-1-one	ETHOXYIMINOBUTYLETHYLTHIOPROPYLHYDROXYL	74051802	74051-80-2				X		
2-((Ethoxyl((1-methylethyl)amino]phosphinothioyl]oxy) benzoic acid 1-methylethyl ester	ETHOXYLMETHYLETHYLAMINOPHOSPHINOTHIOYLOXYBENZOI	25311711	25311-71-1				X		
Ethyl acetate	ETHYLACETATE	141786	141-78-6			5,000		U112	
Ethyl acetylene	ETHYLACETYLENE	107006	107-00-6						10,000

Ethyl acrylate	ETHYLACRYLATE	140885	140-88-5			1,000	313	U113	
3-((Ethylamino)methoxyphosphinothioyl)oxy)-2-butenoic acid, 1-methylethyl ester	ETHYLAMINOMETHOXYPHOSPHINOTHIOYLOXYBUTENOIC ACID,	31218834	31218-83-4				X		
Ethylbenzene	ETHYLBENZENE	100414	100-41-4			1,000	313		
Ethylbis(2-chloroethyl)amine	ETHYLBISCHLOROETHYL)AMINE	538078	538-07-8	500	500				
Ethyl carbamate	ETHYLCARBAMATE	51796	51-79-6			100	X	U238	
Ethyl chloride	ETHYLCHLORIDE	75003	75-00-3			100	X		10,000
Ethyl chloroformate	ETHYLCHLOROFORMATE	541413	541-41-3				313		
Ethyl-2-(((((4-chloro-6-methoxyprimidin-2-yl)amino)carbonyl)amino)sulfonyl)benzoate	ETHYLCHLOROMETHOXYPRIMIDINYLCARBONYLAMINO	90982324	90982-32-4				X		
Ethyl cyanide	ETHYLCYANIDE	107120	107-12-0	500	10	10		P101	10,000
Ethyl dipropylthiocarbamate	ETHYLDIPROPYLTHIOCARBAMATE EPTC	759944	759-94-4				313		
Ethylene	ETHYLENE	74851	74-85-1				313		10,000
Ethylenebisdithiocarbamic acid, salts and esters	ETHYLENEBISDITHIOCARBAMIC ACID SALTS AND ESTERS	1	N171				313		
Ethylenebisdithiocarbamic acid, salts & esters	ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS	111546	111-54-6			5,000	X	U114	
Ethylenediamine	ETHYLENEDIAMINE	107153	107-15-3	10,000	5,000	5,000			20,000
Ethylenediamine-tetraacetic acid (EDTA)	ETHYLENEDIAMINE-TETRAACETIC ACID (EDTA)	60004	60-00-4			5,000			
Ethylene dibromide	ETHYLENEDIBROMIDE	106934	106-93-4			1	X	U067	
Ethylene dichloride	ETHYLENEDICHLORIDE	107062	107-06-2			100	X	U077	
Ethylene fluorohydrin	ETHYLENEFLUOROHYDRIN	371620	371-62-0	10	10				
Ethylene glycol	ETHYLENEGLYCOL	107211	107-21-1			5,000	313		
Ethyleneimine	ETHYLENEIMINE	151564	151-56-4	500	1	1	313	P054	10,000
Ethylene oxide	ETHYLENEOXIDE	75218	75-21-8	1,000	10	10	313	U115	10,000
Ethylene thiourea	ETHYLENETHIOUREA	96457	96-45-7			10	313	U116	
Ethyl ether	ETHYLETHER	60297	60-29-7			100		U117	10,000
Ethylidene Dichloride	ETHYLIDENEDICHLLORIDE	75343	75-34-3			1,000	313	U076	
Ethyl mercaptan	ETHYLMERCAPTAN	75081	75-08-1						10,000
Ethyl methacrylate	ETHYLMETHACRYLATE	97632	97-63-2			1,000		U118	
Ethyl methanesulfonate	ETHYLMETHANESULFONATE	62500	62-50-0			1		U119	
N-Ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5,-triazine-2,4-diamine	ETHYLMETHYLETHYLMETHYLTHIO)-1,3,5,-TRIAZINE-2,	834128	834-12-8				X		
O-Ethyl O-(4-(methylthio)phenyl)phosphorodithioic acid S-propyl ester	ETHYLMETHYLTHIOPHENYLPHOSPHORODITHIOIC ACID S-PRO	35400432	35400-43-2				X		
Ethyl nitrite	ETHYLNITRITE	109955	109-95-5						10,000
N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine	ETHYLPROPYLDIMETHYLDINITROBENZENAMINE	40487421	40487-42-1				X		
S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl ester phosphorothioic acid	ETHYLSULFINYLETHYLDIMETHYLESTERPHOSPHOROTHIOI	301122	301-12-2				X		

Ethylthiocyanate	ETHYLTHIOCYANATE	542905	542-90-5	10,000	10,000				
Ethyne	ETHYNE	74862	74-86-2						10,000
Famphur	FAMPHUR	52857	52-85-7			1,000	313	P097	
Fenamiphos	FENAMIPHOS	22224926	22224-92-6	10/10,000	10				
Fenarimol	FENARIMOL	60168889	60168-88-9				313		
Fenbutatin oxide	FENBUTATINOXIDE	13356086	13356-08-6				313		
Fenoxaprop ethyl	FENOXAPROPETHYL	66441234	66441-23-4				313		
Fenoxycarb	FENOXYCARB	72490018	72490-01-8				313		
Fenpropathrin	FENPROPATHRIN	39515418	39515-41-8				313		
Fensulfothion	FENSULFOTHION	115902	115-90-2	500	500				
Fenthion	FENTHION	55389	55-38-9				313		
Fenvalerate	FENVALERATE	51630581	51630-58-1				313		
Ferbam	FERBAM	14484641	14484-64-1				313		
Ferric ammonium citrate	FERRICAMMONIUMCITRATE	1185575	1185-57-5			1,000			
Ferric ammonium oxalate	FERRICAMMONIUMOXALATE	2944674	2944-67-4			1,000			
Ferric ammonium oxalate	FERRICAMMONIUMOXALATE	55488874	55488-87-4			1,000			
Ferric chloride	FERRICCHLORIDE	7705080	7705-08-0			1,000			
Ferric fluoride	FERRICFLUORIDE	7783508	7783-50-8			100			
Ferric nitrate	FERRICNITRATE	10421484	10421-48-4			1,000			
Ferric sulfate	FERRICSULFATE	10028225	10028-22-5			1,000			
Ferrous ammonium sulfate	FERROUSAMMONIUM SULFATE	10045893	10045-89-3			1,000			
Ferrous chloride	FERROUSCHLORIDE	7758943	7758-94-3			100			
Ferrous sulfate	FERROUSSULFATE	7720787	7720-78-7			1,000			
Ferrous sulfate	FERROUSSULFATE	7782630	7782-63-0			1,000			
Fine mineral fibers	FINEMINERALFIBERS	0	N.A.			&			
Fluazifop butyl	FLUAZIFOPBUTYL	69806504	69806-50-4				313		
Fluenetil	FLUENETIL	4301502	4301-50-2	100/10,000	100				
Fluometuron	FLUOMETURON	2164172	2164-17-2				313		
Fluoranthene	FLUORANTHENE	206440	206-44-0			100	X	U120	
Fluorene	FLUORENE	86737	86-73-7			5,000			
Fluorine	FLUORINE	7782414	7782-41-4	500	10	10	313	P056	1,000
Fluoroacetamide	FLUOROACETAMIDE	640197	640-19-7	100/10,000	100	100		P057	
Fluoroacetic acid	FLUOROACETIC ACID	144490	144-49-0	10/10,000	10				
Fluoroacetic acid, sodium salt	FLUOROACETIC ACID, SODIUM SALT	62748	62-74-8	10/10,000	10	10	X	P058	

Fluoroacetyl chloride	FLUOROACETYL CHLORIDE	359068	359-06-8	10	10				
Fluorouracil	FLUOROURACIL	51218	51-21-8	500/10,000	500		313		
5-Fluorouracil	FLUOROURACIL,5-	51218	51-21-8	500/10,000	500		X		
Fluvalinate	FLUVALINATE	69409945	69409-94-5				313		
Folpet	FOLPET	133073	133-07-3				313		
Fomesafen	FOMESAFEN	72178020	72178-02-0				313		
Fonofos	FONOFOS	944229	944-22-9	500	500				
Formaldehyde	FORMALDEHYDE	50000	50-00-0	500	100	100	313	U122	15,000
Formaldehyde cyanohydrin	FORMALDEHYDECYANOHYDRIN	107164	107-16-4	1,000	1,000				
Formaldehyde (solution)	FORMALDEHYDESOLUTION)	50000	50-00-0	500	100	100	X	U122	15,000
Formetanate hydrochloride	FORMETANATEHYDROCHLORIDE	23422539	23422-53-9	500/10,000	100	100		P198	
Formic acid	FORMICACID	64186	64-18-6			5,000	313	U123	
Formic acid, methyl ester	FORMICACIDMETHYL	107313	107-31-3						10,000
Formothion	FORMOTHION	2540821	2540-82-1	100	100				
Formparanate	FORMPARANATE	17702577	17702-57-7	100/10,000	100	100		P197	
Fosthietan	FOSTHIETAN	21548323	21548-32-3	500	500				
Freon 113	FREON113	76131	76-13-1				313		
Fuberidazole	FUBERIDAZOLE	3878191	3878-19-1	100/10,000	100				
Fumaric acid	FUMARIC ACID	110178	110-17-8			5,000			
Furan	FURAN	110009	110-00-9	500	100	100	313	U124	5,000
Furan, tetrahydro-	FURAN, TETRAHYDRO-	109999	109-99-9			1,000		U213	
Furfural	FURFURAL	98011	98-01-1			5,000		U125	
Gallium trichloride	GALLIUM TRICHLORIDE	13450903	13450-90-3	500/10,000	500				
Glycidol	GLYCIDOL	556525	556-52-5				313		
Glycidylaldehyde	GLYCIDYLALDEHYDE	765344	765-34-4			10		U126	
Glycol Ethers	GLYCOL ETHERS	1	N230			&	313		
Guanidine, N-methyl-N'-nitro-N-nitroso-	GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-	70257	70-25-7			10		U163	
Guthion	GUTHION	86500	86-50-0	10/10,000	1	1			
Haloethers	HALOETHERS	0	N.A.			&			
Halomethanes	HALOMETHANES	0	N.A.			&			
Halon 1211	HALON1211	353593	353-59-3				X		
Halon 1301	HALON1301	75638	75-63-8				X		
Halon 2402	HALON2402	124732	124-73-2				X		
HCFC-121	HCFC-121	354143	354-14-3				X		

HCFC-121a	HCFC-121A	354110	354-11-0				X		
HCFC-123	HCFC-123	306832	306-83-2				X		
HCFC-123a	HCFC-123A	354234	354-23-4				X		
HCFC-123b	HCFC-123B	812044	812-04-4				X		
HCFC-124	HCFC-124	2837890	2837-89-0				X		
HCFC-124a	HCFC-124A	354256	354-25-6				X		
HCFC-132b	HCFC-132B	1649087	1649-08-7				X		
HCFC-133a	HCFC-133A	75887	75-88-7				X		
HCFC-141b	HCFC-141B	1717006	1717-00-6				X		
HCFC-142b	HCFC-142B	75683	75-68-3				X		
HCFC-21	HCFC-21	75434	75-43-4				X		
HCFC-22	HCFC-22	75456	75-45-6				X		
HCFC-225aa	HCFC-225AA	128903219	128903-21-9				X		
HCFC-225ba	HCFC-225BA	422480	422-48-0				X		
HCFC-225bb	HCFC-225BB	422446	422-44-6				X		
HCFC-225ca	HCFC-225CA	422560	422-56-0				X		
HCFC-225cb	HCFC-225CB	507551	507-55-1				X		
HCFC-225cc	HCFC-225CC	13474889	13474-88-9				X		
HCFC-225da	HCFC-225DA	431867	431-86-7				X		
HCFC-225ea	HCFC-225EA	136013791	136013-79-1				X		
HCFC-225eb	HCFC-225EB	111512562	111512-56-2				X		
HCFC-253fb	HCFC-253FB	460355	460-35-5				X		
Heptachlor	HEPTACHLOR	76448	76-44-8			1	313	P059	
Heptachlor and Metabolites	HEPTACHLOR AND METABOLITES	0	N.A.			&			
Heptachlor epoxide	HEPTACHLOR EPOXIDE	1024573	1024-57-3			1			
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	HEPTACHLORODIBENZODIOXIN	35822469	35822-46-9				313!		
1,2,3,4,7,8,9-heptachlorodibenzofuran	HEPTACHLORODIBENZOFURAN	55673897	55673-89-7				313!		
1,2,3,4,6,7,8-heptachlorodibenzofuran	HEPTACHLORODIBENZOFURAN	67562394	67562-39-4				313!		
1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene	HEPTACHLOROTETRAHYDRO-4,7-METHANO-1	76448	76-44-8			1	X	P059	
Hexachlorobenzene	HEXACHLOROBENZENE	118741	118-74-1			10	313	U127	
Hexachloro-1,3-butadiene	HEXACHLOROBUTAD	87683	87-68-3			1	313	U128	
Hexachlorobutadiene	HEXACHLOROBUTADIENE	87683	87-68-3			1	X	U128	
Hexachlorocyclohexane (all isomers)	HEXACHLOROCYCLOHEXANEALL	608731	608-73-1			&			
alpha-Hexachlorocyclohexane	HEXACHLOROCYCLOHEXANEALPHA	319846	319-84-6			10	313		

Hexachlorocyclohexane (gamma isomer)	HEXACHLOROCYCLOHEXANEGAMMA ISOMER)	58899	58-89-9	1,000/10,000	1	1	X	U129	
Hexachlorocyclopentadiene	HEXACHLOROCYCLOPENTADIENE	77474	77-47-4	100	10	10	313	U130	
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	HEXACHLORODIBENZODIOXIN	19408743	19408-74-3				313!		
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	HEXACHLORODIBENZODIOXIN	39227286	39227-28-6				313!		
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	HEXACHLORODIBENZODIOXIN	57653857	57653-85-7				313!		
1,2,3,6,7,8-hexachlorodibenzofuran	HEXACHLORODIBENZOFURAN	57117449	57117-44-9				313!		
2,3,4,6,7,8-hexachlorodibenzofuran	HEXACHLORODIBENZOFURAN	60851345	60851-34-5				313!		
1,2,3,4,7,8-hexachlorodibenzofuran	HEXACHLORODIBENZOFURAN	70648269	70648-26-9				313!		
1,2,3,7,8,9-hexachlorodibenzofuran	HEXACHLORODIBENZOFURAN	72918219	72918-21-9				313!		
Hexachloroethane	HEXACHLOROETHANE	67721	67-72-1			100	313	U131	
Hexachloronaphthalene	HEXACHLORONAPHTHA	1335871	1335-87-1				313		
Hexachlorophene	HEXACHLOROPHENE	70304	70-30-4			100	313	U132	
Hexachloropropene	HEXACHLOROPROPENE	1888717	1888-71-7			1,000		U243	
Hexaethyl tetraphosphate	HEXAETHYL TETRAPHOSPHATE	757584	757-58-4			100		P062	
Hexakis(2-methyl-2-phenylpropyl)distannoxane	HEXAKISMETHYLPHENYLPROPYLDISTANNOXANE	13356086	13356-08-6				X		
Hexamethylenediamine, N,N'-dibutyl-	HEXAMETHYLENEDIAMINE, N,N'-DIBUTYL-	4835114	4835-11-4	500	500				
Hexamethylene-1,6-diisocyanate	HEXAMETHYLENEDIISOCYANATE	822060	822-06-0			100	313#		
Hexamethylphosphoramide	HEXAMETHYLPHOSPHO	680319	680-31-9			1	313		
Hexane	HEXANE	110543	110-54-3			5,000	X		
n-Hexane	HEXANE-N	110543	110-54-3			5,000	313		
Hexazinone	HEXAZINONE	51235042	51235-04-2				313		
Hydramethylnon	HYDRAMETHYLNON	67485294	67485-29-4				313		
Hydrazine	HYDRAZINE	302012	302-01-2	1,000	1	1	313	U133	15,000
Hydrazine, 1,2-diethyl-	HYDRAZINEDIETHYL-	1615801	1615-80-1			10		U086	
Hydrazine, 1,1-dimethyl-	HYDRAZINEDIMETHYL-	57147	57-14-7	1,000	10	10	X	U098	15,000
Hydrazine, 1,2-dimethyl-	HYDRAZINEDIMETHYL-	540738	540-73-8			1		U099	
Hydrazine, 1,2-diphenyl-	HYDRAZINEDIPHENYL-	122667	122-66-7			10	X	U109	
Hydrazine, methyl-	HYDRAZINEMETHYL-	60344	60-34-4	500	10	10	X	P068	15,000
Hydrazine sulfate	HYDRAZINESULFATE	10034932	10034-93-2				313		
Hydrazobenzene	HYDRAZOBENZENE	122667	122-66-7			10	X	U109	
Hydrochloric acid	HYDROCHLORICACID	7647010	7647-01-0			5,000			
Hydrochloric acid (conc 37% or greater)	HYDROCHLORICACID	7647010	7647-01-0			5,000			15,000
Hydrochloric acid (aerosol forms only)	HYDROCHLORICACIDAEROSOL	7647010	7647-01-0			5,000	313		
Hydrocyanic acid	HYDROCYANICACID	74908	74-90-8	100	10	10	X	P063	2,500

Hydrofluoric acid	HYDROFLUORICACID	7664393	7664-39-3	100	100	100	X	U134	
Hydrofluoric acid (conc. 50% or greater)	HYDROFLUORICACID (CONC>)	7664393	7664-39-3	100	100	100	X	U134	1,000
Hydrogen	HYDROGEN	1333740	1333-74-0						10,000
Hydrogen chloride (anhydrous)	HYDROGENCHLORIDE	7647010	7647-01-0	500	5,000	5,000	X		5,000
Hydrogen chloride (gas only)	HYDROGENCHLORIDE (Gas Only)	7647010	7647-01-0	500	5,000	5,000	X		5,000
Hydrogen cyanide	HYDROGENCYANIDE	74908	74-90-8	100	10	10	313	P063	2,500
Hydrogen fluoride	HYDROGENFLUORIDE	7664393	7664-39-3	100	100	100	313	U134	
Hydrogen fluoride (anhydrous)	HYDROGENFLUORIDE(ANHYDROUS)	7664393	7664-39-3	100	100	100	X	U134	1,000
Hydrogen peroxide (Conc.> 52%)	HYDROGENPEROXIDE (Conc.> 52%)	7722841	7722-84-1	1,000	1,000				
Hydrogen selenide	HYDROGENSELENIDE	7783075	7783-07-5	10	10		313c		500
Hydrogen sulfide	HYDROGENSULFIDE	7783064	7783-06-4	500	100	100	313	U135	10,000
Hydroperoxide, 1-methyl-1-phenylethyl-	HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL-	80159	80-15-9			10	X	U096	
Hydroquinone	HYDROQUINONE	123319	123-31-9	500/10,000	100	100	313		
Imazalil	IMAZALIL	35554440	35554-44-0				313		
Indeno(1,2,3-cd)pyrene	INDENO(1,2,3-CD)PYRENE	193395	193-39-5			100	313+	U137	
3-Iodo-2-propynyl butylcarbamate	IODOPROPYNYL BUTYLCARBAMATE	55406536	55406-53-6				313		
Iron carbonyl (Fe(CO)5), (TB-5-11)-	IRONCARBONYL (FE(CO)5), (TB-5-11)-	13463406	13463-40-6	100	100		X		2,500
Iron, pentacarbonyl-	IRONPENTACARBONYL-	13463406	13463-40-6	100	100		313		2,500
Isobenzan	ISOBENZAN	297789	297-78-9	100/10,000	100				
Isobutane	ISOBUTANE	75285	75-28-5						10,000
Isobutyl alcohol	ISOBUTYL ALCOHOL	78831	78-83-1			5,000		U140	
Isobutyraldehyde	ISOBUTYRALDEHYDE	78842	78-84-2				313		
Isobutyronitrile	ISOBUTYRONITRILE	78820	78-82-0	1,000	1,000				20,000
Isocyanic acid, 3,4-dichlorophenyl ester	ISOCYANIC ACID, 3,4-DICHLOROPHENYL ESTER	102363	102-36-3	500/10,000	500				
Isodrin	ISODRIN	465736	465-73-6	100/10,000	1	1	313	P060	
Isofenphos	ISOFENPHOS	25311711	25311-71-1				313		
Isofluorphate	ISOFLUORPHATE	55914	55-91-4	100	100	100		P043	
1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-	ISOINDOLEDIONETETRAHYDROTRICHLO	133062	133-06-2			10	X		
Isononylphenol	ISONONYLPHENOL	11066492	11066-49-2				313$		
4-Isononylphenol	ISONONYLPHENOL4	26543975	26543-97-5				313$		
Isopentane	ISOPENTANE	78784	78-78-4						10,000
Isophorone	ISOPHORONE	78591	78-59-1			5,000			
Isophorone diisocyanate	ISOPHORONE DIISOCYANATE	4098719	4098-71-9	500	500		313#		

Isoprene	ISOPRENE	78795	78-79-5			100	**313**		10,000
Isopropanolamine dodecylbenzene sulfonate	ISOPROPANOLAMINE DODECYLBENZENE SULFONATE	42504461	42504-46-1			1,000			
Isopropyl alcohol (mfg-strong acid process)	ISOPROPYLALCOHOL	67630	67-63-0				313		
Isopropylamine	ISOPROPYLAMINE	75310	75-31-0						10,000
Isopropyl chloride	ISOPROPYLCHLORIDE	75296	75-29-6						10,000
Isopropyl chloroformate	ISOPROPYLCHLOROFORMATE	108236	108-23-6	1,000	1,000				15,000
4,4'-Isopropylidenediphenol	ISOPROPYLIDENED	80057	80-05-7				313		
Isopropylmethylpyrazolyl dimethylcarbamate	ISOPROPYLMETHYLPYRAZOLYL DIMETHYLCARBAMATE	119380	119-38-0	500	100	100		P192	
Isosafrole	ISOSAFROLE	120581	120-58-1			100	313	U141	
Isothiocyanatomethane	ISOTHIOCYANATOMETHANE	556616	556-61-6	500	500		X		
Kepone	KEPONE	143500	143-50-0			1		U142	
Lactofen	LACTOFEN	77501634	77501-63-4				313		
Lactonitrile	LACTONITRILE	78977	78-97-7	1,000	1,000				
Lasiocarpine	LASIOCARPINE	303344	303-34-4			10		U143	
Lead	LEAD	7439921	7439-92-1			10	313		
Lead acetate	LEADACETATE	301042	301-04-2			10	313c	U144	
Lead arsenate	LEADARSENATE	7645252	7645-25-2			1	313c		
Lead arsenate	LEADARSENATE	7784409	7784-40-9			1	313c		
Lead arsenate	LEADARSENATE	10102484	10102-48-4			1	313c		
Lead chloride	LEADCHLORIDE	7758954	7758-95-4			10	313c		
Lead Compounds	LEADCOMPOUNDS	1	N420			&	313		
Lead fluoborate	LEADFLUOBORATE	13814965	13814-96-5			10	313c		
Lead fluoride	LEADFLUORIDE	7783462	7783-46-2			10	313c		
Lead iodide	LEADIODIDE	10101630	10101-63-0			10	313c		
Lead nitrate	LEADNITRATE	10099748	10099-74-8			10	313c		
Lead phosphate	LEADPHOSPHATE	7446277	7446-27-7			10	313c	U145	
Lead stearate	LEADSTEARATE	1072351	1072-35-1			10	313c		
Lead stearate	LEADSTEARATE	7428480	7428-48-0			10	313c		
Lead stearate	LEADSTEARATE	52652592	52652-59-2			10	313c		
Lead stearate	LEADSTEARATE	56189094	56189-09-4			10	313c		
Lead subacetate	LEADSUBACETATE	1335326	1335-32-6			10	313c	U146	
Lead sulfate	LEADSULFATE	7446142	7446-14-2			10	313c		
Lead sulfate	LEADSULFATE	15739807	15739-80-7			10	313c		
Lead sulfide	LEADSULFIDE	1314870	1314-87-0			10	313c		

Lead thiocyanate	LEADTHIOCYANATE	592870	592-87-0			10	313c		
Leptophos	LEPTOPHOS	21609905	21609-90-5	500/10,000	500				
Lewisite	LEWISITE	541253	541-25-3	10	10				
Lindane	LINDANE	58899	58-89-9	1,000/10,000	1	1	313	U129	
Linuron	LINURON	330552	330-55-2				313		
Lithium carbonate	LITHIUMCARBONATE	554132	554-13-2				313		
Lithium chromate	LITHIUMCHROMATE	14307358	14307-35-8			10	313c		
Lithium hydride	LITHIUMHYDRIDE	7580678	7580-67-8	100	100				
Malathion	MALATHION	121755	121-75-5			100	313		
Maleic acid	MALEICACID	110167	110-16-7			5,000			
Maleic anhydride	MALEICANHYDRIDE	108316	108-31-6			5,000	313	U147	
Maleic hydrazide	MALEICHYDRAZIDE	123331	123-33-1			5,000		U148	
Malononitrile	MALONONITRILE	109773	109-77-3	500/10,000	1,000	1,000	313	U149	
Maneb	MANEB	12427382	12427-38-2				313		
Manganese	MANGANESE	7439965	7439-96-5				313		
Manganese, bis(dimethylcarbamodithioato-S,S')-	MANGANESEBISDIMETHYLCARBAMODITHIOATO-S,S')-	15339363	15339-36-3			10	313c	P196	
Manganese Compounds	MANGANESECOMPOUNDS	1	N450			&	313		
Manganese, tricarbonyl methylcyclopentadienyl	MANGANESETRICARBONYL METHYLCYCLOPENTADIENYL	12108133	12108-13-3	100	100		313c		
MBOCA	MBOCA	101144	101-14-4			10	X	U158	
MBT	MBT	149304	149-30-4				X		
MCPA	MCPA	94746	94-74-6				X		
MDI	MDI	101688	101-68-8			5,000	X		
Mechlorethamine	MECHLORETHAMINE	51752	51-75-2	10	10		X		
Mecoprop	MECOPROP	93652	93-65-2				313		
Melphalan	MELPHALAN	148823	148-82-3			1		U150	
Mephosfolan	MEPHOSFOLAN	950107	950-10-7	500	500				
2-Mercaptobenzothiazole	MERCAPTOBENZOTHIAZOLE (MBT)	149304	149-30-4				313		
Mercaptodimethur	MERCAPTODIMETHUR	2032657	2032-65-7	500/10,000	10	10	X	P199	
Mercuric acetate	MERCURICACETATE	1600277	1600-27-7	500/10,000	500		313c		
Mercuric chloride	MERCURICCHLORIDE	7487947	7487-94-7	500/10,000	500		313c		
Mercuric cyanide	MERCURICCYANIDE	592041	592-04-1			1	313c		
Mercuric nitrate	MERCURICNITRATE	10045940	10045-94-0			10	313c		
Mercuric oxide	MERCURICOXIDE	21908532	21908-53-2	500/10,000	500		313c		
Mercuric sulfate	MERCURICSULFATE	7783359	7783-35-9			10	313c		

Mercuric thiocyanate	MERCURICTHIOCYANATE	592858	592-85-8			10	313c		
Mercurous nitrate	MERCUROUSNITRATE	7782867	7782-86-7			10	313c		
Mercurous nitrate	MERCUROUSNITRATE	10415755	10415-75-5			10	313c		
Mercury	MERCURY	7439976	7439-97-6			1	313	U151	
Mercury Compounds	MERCURY COMPOUNDS	1	N458			&	313		
Mercury fulminate	MERCURY FULMINATE	628864	628-86-4			10	313c	P065	
Merphos	MERPHOS	150505	150-50-5				313		
Methacrolein diacetate	METHACROLEIN DIACETATE	10476956	10476-95-6	1,000	1,000				
Methacrylic anhydride	METHACRYLIC ANHYDRIDE	760930	760-93-0	500	500				
Methacrylonitrile	METHACRYLONITRILE	126987	126-98-7	500	1,000	1,000	313	U152	10,000
Methacryloyl chloride	METHACRYLOYL CHLORIDE	920467	920-46-7	100	100				
Methacryloyloxyethyl isocyanate	METHACRYLOYLOXYETHYL ISOCYANATE	30674807	30674-80-7	100	100				
Methamidophos	METHAMIDOPHOS	10265926	10265-92-6	100/10,000	100				
Metham sodium	METHAMSODIUM	137428	137-42-8				313		
Methanamine	METHANAMINE	74895	74-89-5			100			10,000
Methanamine, N,N-dimethyl-	METHANAMINEDIMETHYL	75503	75-50-3			100			10,000
Methanamine, N-methyl-	METHANAMINEMETHYL	124403	124-40-3			1,000	X	U092	10,000
Methanamine, N-methyl-N-nitroso-	METHANAMINEMETHYLNITROSO-	62759	62-75-9	1,000	10	10	X	P082	
Methane	METHANE	74828	74-82-8						10,000
Methane, chloro-	METHANECHLORO-	74873	74-87-3			100	X	U045	10,000
Methane, chloromethoxy-	METHANECHLOROMETHOXY-	107302	107-30-2	100	10	10	X	U046	5,000
Methane, isocyanato-	METHANEISOCYANATO-	624839	624-83-9	500	10	10	X	P064	10,000
Methane, oxybis-	METHANEOXYBIS-	115106	115-10-6						10,000
Methane, oxybis[chloro-	METHANEOXYBIS[CHLORO-	542881	542-88-1	100	10	10	X	P016	1,000
Methanesulfenyl chloride, trichloro-	METHANESULFENYLCHLORIDETRICHLORO-	594423	594-42-3	500	100	100	X		10,000
Methanesulfonyl fluoride	METHANESULFONYL FLUORIDE	558258	558-25-8	1,000	1,000				
Methane, tetranitro-	METHANETETRANITRO-	509148	509-14-8	500	10	10		P112	10,000
Methanethiol	METHANETHIOL	74931	74-93-1	500	100	100	X	U153	10,000
Methane, trichloro-	METHANETRICHLORO-	67663	67-66-3	10,000	10	10	X	U044	20,000
4,7-Methanoindan, 1,2,3,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	METHANOINDANOCTACHLORO-2,3,3A,4,7,7A	57749	57-74-9	1,000	1	1	X	U036	
Methanol	METHANOL	67561	67-56-1			5,000	313	U154	
Methapyrilene	METHAPYRILENE	91805	91-80-5			5,000		U155	
Methazole	METHAZOLE	20354261	20354-26-1				313		
Methidathion	METHIDATHION	950378	950-37-8	500/10,000	500				

Methiocarb	METHIOCARB	2032657	2032-65-7	500/10,000	10	10	313	P199	
Methomyl	METHOMYL	16752775	16752-77-5	500/10,000	100	100		P066	
Methoxone	METHOXONE	94746	94-74-6				313		
Methoxone sodium salt	METHOXONESODIUM SALT	3653483	3653-48-3				313		
Methoxychlor	METHOXYCHLOR	72435	72-43-5			1	313	U247	
2-Methoxyethanol	METHOXYETHANOL	109864	109-86-4				313		
Methoxyethylmercuric acetate	METHOXYETHYLMERCURIC ACETATE	151382	151-38-2	500/10,000	500		313c		
2-(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)-methylamino)carbonyl)amino)sulfonyl)benzoic acid, methyl ester	METHOXYMETHYLTRIAZINYLMETHYLAMINOCARBON	101200480	101200-48-0				X		
Methyl acrylate	METHYLACRYLATE	96333	96-33-3				313		
Methyl bromide	METHYLBROMIDE	74839	74-83-9	1,000	1,000	1,000	X	U029	
2-Methyl-1-butene	METHYLBUTENE2	563462	563-46-2						10,000
3-Methyl-1-butene	METHYLBUTENE3	563451	563-45-1						10,000
Methyl chloride	METHYLCHLORIDE	74873	74-87-3			100	X	U045	10,000
Methyl 2-chloroacrylate	METHYLCHLOROACRYLATE	80637	80-63-7	500	500				
Methyl chlorocarbonate	METHYLCHLOROCARBONATE	79221	79-22-1	500	1,000	1,000	313	U156	5,000
Methyl chloroform	METHYLCHLOROFORM	71556	71-55-6			1,000	X	U226	
Methyl chloroformate	METHYLCHLOROFORMATE	79221	79-22-1	500	1,000	1,000	X	U156	5,000
3-Methylcholanthrene	METHYLCHOLANTHRENE	56495	56-49-5			10	313+	U157	
5-Methylchrysene	METHYLCHRYSENE5	3697243	3697-24-3				313+		
4-Methyldiphenylmethane-3,4-diisocyanate	METHYLDIPHENYLMETHANEDIISOCYANATE	75790840	75790-84-0				313#		
6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one	METHYLDITHIOLOQUINOXALIN-2-ONE	2439012	2439-01-2				X		
4,4'-Methylenebis(2-chloroaniline)	METHYLENEBISCHLORO	101144	101-14-4			10	313	U158	
2,2'-Methylenebis(4-chlorophenol	METHYLENEBISCHLOROPHENOL	97234	97-23-4				X		
4,4'-Methylenebis(N,N-dimethyl)benzenamine	METHYLENEBISDIMETH	101611	101-61-1				313		
1,1'-Methylene bis(4-isocyanatocyclohexane)	METHYLENEBISISOCYANATOCYCLOHEXANE)	5124301	5124-30-1				313#		
Methylenebis(phenylisocyanate)	METHYLENEBISPHENYL	101688	101-68-8			5,000	313#		
Methylene bromide	METHYLENEBROMIDE	74953	74-95-3			1,000	313	U068	
Methylene chloride	METHYLENECHLORIDE	75092	75-09-2			1,000	X	U080	
4,4'-Methylenedianiline	METHYLENEDIANI	101779	101-77-9			10	313		
Methyl ether	METHYLETHER	115106	115-10-6						10,000
Methyl ethyl ketone	METHYLETHYLKETONE	78933	78-93-3			5,000		U159	
Methyl ethyl ketone peroxide	METHYLETHYLKETONEPEROXIDE	1338234	1338-23-4			10		U160	
Methyleugenol	METHYLEUGENOL	93152	93-15-2				313		

Methyl formate	METHYLFORMATE	107313	107-31-3						10,000
Methyl hydrazine	METHYLHYDRAZINE	60344	60-34-4	500	10	10	313	P068	15,000
Methyl iodide	METHYLIODIDE	74884	74-88-4			100	313	U138	
Methyl isobutyl ketone	METHYLISOBUTYLKETO	108101	108-10-1			5,000	313	U161	
Methyl isocyanate	METHYLISOCYANATE	624839	624-83-9	500	10	10	313	P064	10,000
Methyl isothiocyanate	METHYLISOTHIOCYANATE	556616	556-61-6	500	500		313		
2-Methyllactonitrile	METHYLLACTONITRILE	75865	75-86-5	1,000	10	10	313	P069	
Methyl mercaptan	METHYLMERCAPTAN	74931	74-93-1	500	100	100	313s	U153	10,000
Methylmercuric dicyanamide	METHYLMERCURIC DICYANAMIDE	502396	502-39-6	500/10,000	500		313c		
Methyl methacrylate	METHYLMETHACRYLATE	80626	80-62-6			1,000	313	U162	
N-Methylolacrylamide	METHYLOLACRYLAMIDE	924425	924-42-5				313		
Methyl parathion	METHYLPARATHION	298000	298-00-0	100/10,000	100	100	313	P071	
Methyl phenkapton	METHYLPHENKAPTON	3735237	3735-23-7	500	500				
Methyl phosphonic dichloride	METHYLPHOSPHONIC DICHLORIDE	676971	676-97-1	100	100				
2-Methylpropene	METHYLPROPENE	115117	115-11-7						10,000
2-Methylpyridine	METHYLPYRIDINE	109068	109-06-8			5,000	313	U191	
N-Methyl-2-pyrrolidone	METHYLPYRROLIDONE	872504	872-50-4				313		
Methyl tert-butyl ether	METHYLTBUTYLET	1634044	1634-04-4			1,000	313		
Methyl thiocyanate	METHYLTHIOCYANATE	556649	556-64-9	10,000	10,000				20,000
Methylthiouracil	METHYLTHIOURACIL	56042	56-04-2			10		U164	
Methyltrichlorosilane	METHYLTRICHLOROSILANE	75796	75-79-6	500	500				5,000
Methyl vinyl ketone	METHYLVINYL KETONE	78944	78-94-4	10	10				
Metiram	METIRAM	9006422	9006-42-2				313		
Metolcarb	METOLCARB	1129415	1129-41-5	100/10,000	1,000	1,000		P190	
Metribuzin	METRIBUZIN	21087649	21087-64-9				313		
Mevinphos	MEVINPHOS	7786347	7786-34-7	500	10	10	313		
Mexacarbate	MEXACARBATE	315184	315-18-4	500/10,000	1,000	1,000		P128	
Michler's ketone	MICHLERSKETONE	90948	90-94-8				313		
Mitomycin C	MITOMYCIN C	50077	50-07-7	500/10,000	10	10		U010	
Molinate	MOLINATE	2212671	2212-67-1				313		
Molybdenum trioxide	MOLYBDENUMTRIOXIDE	1313275	1313-27-5				313		
Monochloropentafluoroethane	MONOCHLOROPENTAFLUOROETHANE	76153	76-15-3				313		
Monocrotophos	MONOCROTOPHOS	6923224	6923-22-4	10/10,000	10				
Monoethylamine	MONOETHYLAMINE	75047	75-04-7			100			10,000

Monomethylamine	MONOMETHYLAMINE	74895	74-89-5			100			10,000
Monuron	MONURON	150685	150-68-5				313		
Muscimol	MUSCIMOL	2763964	2763-96-4	500/10,000	1,000	1,000		P007	
Mustard gas	MUSTARDGAS	505602	505-60-2	500	500		313		
Myclobutanil	MYCLOBUTANIL	88671890	88671-89-0				313		
Nabam	NABAM	142596	142-59-6				313		
Naled	NALED	300765	300-76-5			10	313		
Naphthalene	NAPHTHALENE	91203	91-20-3			100	313	U165	
1,5-Naphthalene diisocyanate	NAPHTHALENEDIISOCYANATE	3173726	3173-72-6				313#		
1-Naphthalenol, methylcarbamate	NAPHTHALENOLMETHYLCARBAMATE	63252	63-25-2			100	X	U279	
Naphthenic acid	NAPHTHENIC ACID	1338245	1338-24-5			100			
1,4-Naphthoquinone	NAPHTHOQUINONE	130154	130-15-4			5,000		U166	
alpha-Naphthylamine	NAPHTHYLAMINEA	134327	134-32-7			100	313	U167	
beta-Naphthylamine	NAPHTHYLAMINEB	91598	91-59-8			10	313	U168	
Nickel	NICKEL	7440020	7440-02-0			100	313		
Nickel ammonium sulfate	NICKELAMMONIUM SULFATE	15699180	15699-18-0			100	313c		
Nickel carbonyl	NICKELCARBONYL	13463393	13463-39-3	1	10	10	313c	P073	1,000
Nickel chloride	NICKELCHLORIDE	7718549	7718-54-9			100	313c		
Nickel chloride	NICKELCHLORIDE	37211055	37211-05-5			100	313c		
Nickel Compounds	NICKELCOMPOUNDS	1	N495			&	313		
Nickel cyanide	NICKELCYANIDE	557197	557-19-7			10	313c	P074	
Nickel hydroxide	NICKELHYDROXIDE	12054487	12054-48-7			10	313c		
Nickel nitrate	NICKELNITRATE	14216752	14216-75-2			100	313c		
Nickel sulfate	NICKELSULFATE	7786814	7786-81-4			100	313c		
Nicotine	NICOTINE	54115	54-11-5	100	100	100	313c	P075	
Nicotine and salts	NICOTINE AND SALTS	1	N503				313		
Nicotine and salts	NICOTINE AND SALTS	54115	54-11-5			100	313c	P075	
Nicotine sulfate	NICOTINE SULFATE	65305	65-30-5	100/10,000	100	100	313c		
Nitrapyrin	NITRAPYRIN	1929824	1929-82-4				313		
Nitrate compounds (water dissociable)	NITRATECOMPOUNDS	1	N511				313		
Nitric acid	NITRICACID	7697372	7697-37-2	1,000	1,000	1,000	313		
Nitric acid (conc 80% or greater)	NITRICACID	7697372	7697-37-2	1,000	1,000	1,000	X		15,000
Nitric oxide	NITRICOXIDE	10102439	10102-43-9	100	10	10 @		P076	10,000
Nitrilotriacetic acid	NITRILOTRIACETICACI	139139	139-13-9				313		

p-Nitroaniline	NITROANILINE	100016	100-01-6			5,000	313	P077	
5-Nitro-o-anisidine	NITROANISIDINE	99592	99-59-2				313		
Nitrobenzene	NITROBENZENE	98953	98-95-3	10,000	1,000	1,000	313	U169	
4-Nitrobiphenyl	NITROBIPHENYL	92933	92-93-3			10	313		
6-Nitrochrysene	NITROCHRYSENE	7496028	7496-02-8				313+		
Nitrocyclohexane	NITROCYCLOHEXANE	1122607	1122-60-7	500	500				
Nitrofen	NITROFEN	1836755	1836-75-5				313		
Nitrogen dioxide	NITROGEN DIOXIDE	10102440	10102-44-0	100	10	10 @		P078	
Nitrogen dioxide	NITROGEN DIOXIDE	10544726	10544-72-6			10 @			
Nitrogen mustard	NITROGENMUSTARD	51752	51-75-2	10	10		313		
Nitrogen oxide (NO)	NITROGENOXIDE (NO)	10102439	10102-43-9	100	10	10 @		P076	10,000
Nitroglycerin	NITROGLYCERINE	55630	55-63-0			10	313	P081	
Nitromethane	NITROMETHANE	75525	75-52-5				313		
Nitrophenol (mixed isomers)	NITROPHENOL (MIXED)	25154556	25154-55-6			100			
2-Nitrophenol	NITROPHENOLA	88755	88-75-5			100	313		
4-Nitrophenol	NITROPHENOLB	100027	100-02-7			100	313	U170	
m-Nitrophenol	NITROPHENOL-M	554847	554-84-7			100			
p-Nitrophenol	NITROPHENOL-P	100027	100-02-7			100	X	U170	
Nitrophenols	NITROPHENOLS	0	N.A.			&			
2-Nitropropane	NITROPROPANE	79469	79-46-9			10	313	U171	
1-Nitropyrene	NITROPYRENE	5522430	5522-43-0				313+		
4–Nitropyrene	NITROPYRENE	57835924	57835-92-4				313+		
Nitrosamines	NITROSAMINES	0	N.A.			&			
N-Nitrosodi-n-butylamine	NITROSODIBUTYLA	924163	924-16-3			10	313	U172	
N-Nitrosodiethanolamine	NITROSODIETHANOLAMINE	1116547	1116-54-7			1		U173	
N-Nitrosodiethylamine	NITROSODIETHYLAMIN	55185	55-18-5			1	313	U174	
N-Nitrosodimethylamine	NITROSODIMETHYLAMI	62759	62-75-9	1,000	10	10	313	P082	
Nitrosodimethylamine	NITROSODIMETHYLAMINE	62759	62-75-9	1,000	10	10	X	P082	
N-Nitrosodiphenylamine	NITROSODIPHENYLA	86306	86-30-6			100	313		
p-Nitrosodiphenylamine	NITROSODIPHENYLB	156105	156-10-5				313		
N-Nitrosodi-n-propylamine	NITROSODIPROPYL	621647	621-64-7			10	313	U111	
N-Nitroso-N-ethylurea	NITROSOETHYLURE	759739	759-73-9			1	313	U176	
N-Nitroso-N-methylurea	NITROSOMETHYLUR	684935	684-93-5			1	313	U177	
N-Nitroso-N-methylurethane	NITROSOMETHYLURETHANE	615532	615-53-2			1		U178	

N-Nitrosomethylvinylamine	NITROSOMETHYLVINYL	4549400	4549-40-0			10	313	P084	
N-Nitrosomorpholine	NITROSOMORPHOLINE	59892	59-89-2			1	313		
N-Nitrosonornicotine	NITROSONORNICOTINE	16543558	16543-55-8				313		
N-Nitrosopiperidine	NITROSOPIPERIDINE	100754	100-75-4			10	313	U179	
N-Nitrosopyrrolidine	NITROSOPYRROLIDINE	930552	930-55-2			1		U180	
Nitrotoluene	NITROTOLUENE	1321126	1321-12-6			1,000			
m-Nitrotoluene	NITROTOLUENE-M	99081	99-08-1			1,000			
o-Nitrotoluene	NITROTOLUENE-O	88722	88-72-2			1,000	313		
p-Nitrotoluene	NITROTOLUENE-P	99990	99-99-0			1,000			
5-Nitro-o-toluidine	NITROTOLUIDINE	99558	99-55-8			100	313	U181	
Nitrous acid, ethyl ester	NITROUSACIDETHYL	109955	109-95-5						10,000
Nonyphenol (includes only six chemicals)	NONYLPHENOL	1	N530				313		
Nonylphenol	NONYLPHENOLB	25154523	25154-52-3				313$		
Nonylphenol, branched	NONYLPHENOLBRANCHED	90481042	90481-04-2				313$		
4-Nonylphenol	NONYLPHENOLC4	104405	104-40-5				313$		
4-Nonylphenol,branched	NONYLPHENOLCBRANCHED4	84852153	84852-15-3				313$		
Norbormide	NORBORMIDE	991424	991-42-4	100/10,000	100				
Norflurazon	NORFLURAZON	27314132	27314-13-2				313		
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin	OCTACHLORODIBENZODIOXIN	3268879	3268-87-9				313!		
1,2,3,4,6,7,8,9-octachlorodibenzofuran	OCTACHLORODIBENZOFURAN	39001020	39001-02-0				313!		
Octachloronaphthalene	OCTACHLORONAPHTHALEN	2234131	2234-13-1				313		
Octachlorostyrene	OCTACHLOROSTYRENE	29082744	29082-74-4				313		
Octanoic acid, 2,6-dibromo-4-cyanophenyl ester	OCTANOIC ACIDDIBROMOCYANOPHENYL ESTER	1689992	1689-99-2				X		
Oleum (fuming sulfuric acid)	OLEUM	8014957	8014-95-7			1,000			10,000
o-Nitroanisole	ONITROANISOLE	91236	91-23-6				313		
Organorhodium Complex (PMN-82-147)	ORGANORHODIUM COMPLEX (PMN-82-147)	2	0	10/10,000	10	PMN			
Oryzalin	ORYZALIN	19044883	19044-88-3				313		
Osmium oxide OsO4 (T-4)-	OSMIUM OXIDE OSO4 (T-4)-	20816120	20816-12-0			1,000	X	P087	
Osmium tetroxide	OSMIUMTETROXIDE	20816120	20816-12-0			1,000	313	P087	
Ouabain	OUABAIN	630604	630-60-4	100/10,000	100				
7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt	OXABICYCLOHEPTANEDICARBOXYLICACIDDIPOTASSIU	2164070	2164-07-0				X		
Oxamyl	OXAMYL	23135220	23135-22-0	100/10,000	100	100		P194	
Oxetane, 3,3-bis(chloromethyl)-	OXETANE, 3,3-BIS(CHLOROMETHYL)-	78717	78-71-7	500	500				
Oxirane	OXIRANE	75218	75-21-8	1,000	10	10	X	U115	10,000

Oxirane, (chloromethyl)-	OXIRANECHLOROMETHYL)-	106898	106-89-8	1,000	100	100	X	U041	20,000
Oxirane, methyl-	OXIRANEMETHYL-	75569	75-56-9	10,000	100	100	X		10,000
Oxydemeton methyl	OXYDEMETONMETHYL	301122	301-12-2				313		
Oxydiazon	OXYDIAZON	19666309	19666-30-9				313		
Oxydisulfoton	OXYDISULFOTON	2497076	2497-07-6	500	500				
Oxyfluorfen	OXYFLUORFEN	42874033	42874-03-3				313		
Ozone	OZONE	10028156	10028-15-6	100	100		313		
Paraformaldehyde	PARAFORMALDEHYDE	30525894	30525-89-4			1,000			
Paraldehyde	PARALDEHYDE	123637	123-63-7			1,000	313	U182	
Paraquat dichloride	PARAQUATDICHLORIDE	1910425	1910-42-5	10/10,000	10		313		
Paraquat methosulfate	PARAQUATMETHOSULFATE	2074502	2074-50-2	10/10,000	10				
Parathion	PARATHION	56382	56-38-2	100	10	10	313	P089	
Parathion-methyl	PARATHION-METHYL	298000	298-00-0	100/10,000	100	100	X	P071	
Paris green	PARIS GREEN	12002038	12002-03-8	500/10,000	1	1			
PCBs	PCBS	1336363	1336-36-3			1	X		
PCNB	PCNB	82688	82-68-8			100	X	U185	
PCP	PCP	87865	87-86-5			10	X		
Pebulate	PEBULATE	1114712	1114-71-2				313		
Pendimethalin	PENDIMETHALIN	40487421	40487-42-1				313		
Pentaborane	PENTABORANE	19624227	19624-22-7	500	500				
Pentachlorobenzene	PENTACHLOROBENZENE	608935	608-93-5			10	313	U183	
1,2,3,7,8-pentachlorodibenzo-p-dioxin	PENTACHLORODIBENZODIOXIN	40321764	40321-76-4				313!		
2,3,4,7,8-pentachlorodibenzofuran	PENTACHLORODIBENZOFURAN	57117314	57117-31-4				313!		
1,2,3,7,8-pentachlorodibenzofuran	PENTACHLORODIBENZOFURAN	57117416	57117-41-6				313!		
Pentachloroethane	PENTACHLOROETHANE	76017	76-01-7			10	313	U184	
Pentachloronitrobenzene	PENTACHLORONITROBENZENE (PCNB)	82688	82-68-8			100	X	U185	
Pentachlorophenol	PENTACHLOROPHENOLP	87865	87-86-5			10	313		
Pentadecylamine	PENTADECYLAMINE	2570265	2570-26-5	100/10,000	100				
1,3-Pentadiene	PENTADIENE	504609	504-60-9			100		U186	10,000
Pentane	PENTANE	109660	109-66-0						10,000
1-Pentene	PENTENE	109671	109-67-1						10,000
2-Pentene, (E)-	PENTENEE	646048	646-04-8						10,000
2-Pentene, (Z)-	PENTENEZ	627203	627-20-3						10,000
Pentobarbital sodium	PENTOBARBITALSODIUM	57330	57-33-0				313		

Peracetic acid	PERACETICACID	79210	79-21-0	500	500		313		10,000
Perchloroethylene	PERCHLOROETHYLENE	127184	127-18-4			100	X	U210	
Perchloromethyl mercaptan	PERCHLOROMETHYLMERCAPTAN	594423	594-42-3	500	100	100	313		10,000
Permethrin	PERMETHRIN	52645531	52645-53-1				313		
Phenacetin	PHENACETIN	62442	62-44-2			100		U187	
Phenanthrene	PHENANTHRENE	85018	85-01-8			5,000	313		
Phenol	PHENOL	108952	108-95-2	500/10,000	1,000	1,000	313	U188	
Phenol, 2-(1-methylethoxy)-, methylcarbamate	PHENOLMETHYLETHOXYMETHYLCARBAMATE	114261	114-26-1			100	X	U411	
Phenol, 3-(1-methylethyl)-, methylcarbamate	PHENOLMETHYLETHYL)-, METHYLCARBAMATE	64006	64-00-6	500/10,000	10	10		P202	
Phenolphthalein	PHENOLPHTHALEIN	77098	77-09-8				313		
Phenol, 2,2'-thiobis[4-chloro-6-methyl-	PHENOLTHIOBIS[4-CHLORO-6-METHYL-	4418660	4418-66-0	100/10,000	100				
Phenothrin	PHENOTHRIN	26002802	26002-80-2				313		
Phenoxarsine, 10,10'-oxydi-	PHENOXARSINE, 10,10'-OXYDI-	58366	58-36-6	500/10,000	500				
(2-(4-Phenoxyphenoxy)ethyl carbamic acid ethyl ester	PHENOXYPHENOXYETHYLCARBAMICACIDETHYLESTER	72490018	72490-01-8				X		
Phenyl dichloroarsine	PHENYLDICHLOROARSINE	696286	696-28-6	500	1	1		P036	
(1,2-Phenylenebis(iminocarbonothioyl)) biscarbamic acid diethyl ester	PHENYLENEBISIMINOCARBONOTHIOYLBISCARBAMIC ACID DIET	23564069	23564-06-9				X		
1,2-Phenylenediamine	PHENYLENEDIAMINE	95545	95-54-5				313		
p-Phenylenediamine	PHENYLENEDIAMINE	106503	106-50-3			5,000	313		
1,3-Phenylenediamine	PHENYLENEDIAMINE	108452	108-45-2				313		
1,2-Phenylenediamine dihydrochloride	PHENYLENEDIAMINEDIHYDROCHLORIDE	615281	615-28-1				313		
1,4-Phenylenediamine dihydrochloride	PHENYLENEDIAMINEDIHYDROCHLORIDE	624180	624-18-0				313		
1,4-Phenylene diisocyanate	PHENYLENEDIISOCYANATE	104494	104-49-4				313#		
1,3-Phenylene diisocyanate	PHENYLENEDIISOCYANATE	123615	123-61-5				313#		
Phenylhydrazine hydrochloride	PHENYLHYDRAZINE HYDROCHLORIDE	59881	59-88-1	1,000/10,000	1,000				
Phenylmercuric acetate	PHENYLMERCURIC ACETATE	62384	62-38-4	500/10,000	100	100	313c	P092	
Phenylmercury acetate	PHENYLMERCURY ACETATE	62384	62-38-4	500/10,000	100	100	313c	P092	
5-(Phenylmethyl)-3-furanyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate	PHENYLMETHYLFURANYLMETHYLDIMETHYLMETHYL	10453868	10453-86-8				X		
2-Phenylphenol	PHENYLPHENOL	90437	90-43-7				313		
Phenylsilatrane	PHENYLSILATRANE	2097190	2097-19-0	100/10,000	100				
Phenylthiourea	PHENYLTHIOUREA	103855	103-85-5	100/10,000	100	100		P093	
Phenytoin	PHENYTOIN	57410	57-41-0				313		
Phorate	PHORATE	298022	298-02-2	10	10	10		P094	
Phosacetim	PHOSACETIM	4104147	4104-14-7	100/10,000	100				

Phosfolan	PHOSFOLAN	947024	947-02-4	100/10,000	100				
Phosgene	PHOSGENE	75445	75-44-5	10	10	10	313	P095	500
Phosphamidon	PHOSPHAMIDON	13171216	13171-21-6	100	100				
Phosphine	PHOSPHINE	7803512	7803-51-2	500	100	100	313	P096	5,000
Phosphonic acid, (2,2,2-trichloro-1-hydroxyethyl)-,dimethyl ester	PHOSPHONICACIDTRICHLORO-1-HYDROXYETHYL)-,DIMETHYL	52686	52-68-6			100	X		
Phosphonothioic acid, methyl-, O-ethyl O-(4-(methylthio)phenyl) ester	PHOSPHONOTHIOIC ACID, METHYL-, O-ETHYL O-(4-(METHY	2703131	2703-13-1	500	500				
Phosphonothioic acid, methyl-, S-(2-(bis(1-methylethyl)amino)ethyl) O-ethyl ester	PHOSPHONOTHIOIC ACID, METHYL-, S-(2-(BIS(1-METHYLE	50782699	50782-69-9	100	100				
Phosphonothioic acid, methyl-, O-(4-nitrophenyl) O-phenyl ester	PHOSPHONOTHIOIC ACID, METHYL-,O-(4-NITROPHENYL) O-	2665307	2665-30-7	500	500				
Phosphoric acid	PHOSPHORICACID	7664382	7664-38-2			5,000			
Phosphoric acid, 2-chloro-1-(2,3,5-trichlorophenyl) ethenyl dimethyl ester	PHOSPHORICACIDCHLOROTRICHLOROPHENYL) ETHENYL	961115	961-11-5				X		
Phosphoric acid, 2-dichloroethenyl dimethyl ester	PHOSPHORICACIDDICHLOROETHENYL DIMETHYL ESTER	62737	62-73-7	1,000	10	10	X		
Phosphoric acid, dimethyl 4-(methylthio) phenyl ester	PHOSPHORICACIDDIMETHYL 4-(METHYLTHIO) PHENYL ES	3254635	3254-63-5	500	500				
Phosphorodithioic acid O-ethyl S,S-dipropyl ester	PHOSPHORODITHIOICACIDETHYLDIPROPYL ESTER	13194484	13194-48-4	1,000	1,000		X		
Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester	PHOSPHOROTHIOICACIDDIETHYLNITROPHENYL) ESTER	56382	56-38-2	100	10	10	X	P089	
Phosphorothioic acid, O,O-dimethyl-5-(2-(methylthio)ethyl)ester	PHOSPHOROTHIOICACIDDIMETHYLMETHYLTHIO	2587908	2587-90-8	500	500				
Phosphorous trichloride	PHOSPHOROUSTRICHLORIDE	7719122	7719-12-2	1,000	1,000	1,000			15,000
Phosphorus (yellow or white)	PHOSPHORUS	7723140	7723-14-0	100	1	1	313		
Phosphorus	PHOSPHORUS	7723140	7723-14-0	100	1	1			
Phosphorus oxychloride	PHOSPHORUS OXYCHLORIDE	10025873	10025-87-3	500	1,000	1,000			5,000
Phosphorus pentachloride	PHOSPHORUS PENTACHLORIDE	10026138	10026-13-8	500	500				
Phosphorus trichloride	PHOSPHORUS TRICHLORIDE	7719122	7719-12-2	1,000	1,000	1,000			15,000
Phosphoryl chloride	PHOSPHORYLCHLORIDE	10025873	10025-87-3	500	1,000	1,000			5,000
Phthalate Esters	PHTHALATE ESTERS	0	N.A.			&			
Phthalic anhydride	PHTHALICANHYDRIDE	85449	85-44-9			5,000	313	U190	
Physostigmine	PHYSOSTIGMINE	57476	57-47-6	100/10,000	100	100		P204	
Physostigmine, salicylate (1:1)	PHYSOSTIGMINE, SALICYLATE (1:1)	57647	57-64-7	100/10,000	100	100		P188	
Picloram	PICLORAM	1918021	1918-02-1				313		
2-Picoline	PICOLINE	109068	109-06-8			5,000	X	U191	
Picric acid	PICRICACID	88891	88-89-1				313		
Picrotoxin	PICROTOXIN	124878	124-87-8	500/10,000	500				
N,N'-(1,4-Piperazinediylbis(2,2,2-trichloroethylidene)) bisformamide	PIPERAZINEDIYLBISTRICHLOROETHYLIDENEBISF	26644462	26644-46-2				X		

Piperidine	PIPERIDINE	110894	110-89-4	1,000	1,000				15,000
Piperonyl butoxide	PIPERONYLBUTOXIDE	51036	51-03-6				313		
Pirimifos-ethyl	PIRIMIFOS-ETHYL	23505411	23505-41-1	1,000	1,000				
Pirimiphos methyl	PIRIMIPHOSMETHYL	29232937	29232-93-7				313		
Plumbane, tetramethyl-	PLUMBANETETRAMETHYL-	75741	75-74-1	100	100				10,000
Polybrominated Biphenyls (PBBs)	POLYBROMINATED BIPHENYLS (PBBS)	1	N575				313		
Polychlorinated alkanes (C10 to C13)	POLYCHLORINATED ALKANES	1	N583				313		
Polychlorinated biphenyls	POLYCHLORINATEDBIPH	1336363	1336-36-3			1	313		
Polycyclic aromatic compounds (includes only 23 chemicals)	POLYCYCLIC AROMATIC COMPOUNDS	1	N590				313		
Polycyclic organic matter	POLYCYCLICORGANICMATTER	0	N.A.			&			
Polymeric diphenylmethane diisocyanate	POLYMERICDIPHENYLMETHANEDIISOCYANATE	9016879	9016-87-9				313#		
Polynuclear Aromatic Hydrocarbons	POLYNUCLEAR AROMATIC HYDROCARBONS	0	N.A.			&			
Potassium arsenate	POTASSIUMARSENATE	7784410	7784-41-0			1	313c		
Potassium arsenite	POTASSIUMARSENITE	10124502	10124-50-2	500/10,000	1	1	313c		
Potassium bichromate	POTASSIUMBICHROMATE	7778509	7778-50-9			10	313c		
Potassium bromate	POTASSIUMBROMATE	7758012	7758-01-2				313		
Potassium chromate	POTASSIUMCHROMATE	7789006	7789-00-6			10	313c		
Potassium cyanide	POTASSIUMCYANIDE	151508	151-50-8	100	10	10	313c	P098	
Potassium dimethyldithiocarbamate	POTASSIUMDIMETHYLDITHIOCARBAMATE	128030	128-03-0				313		
Potassium hydroxide	POTASSIUMHYDROXIDE	1310583	1310-58-3			1,000			
Potassium N-methyldithiocarbamate	POTASSIUMMETHYLDITHIOCARBAMATE	137417	137-41-7				313		
Potassium permanganate	POTASSIUMPERMANGANATE	7722647	7722-64-7			100	313c		
Potassium silver cyanide	POTASSIUMSILVERCYANIDE	506616	506-61-6	500	1	1	313c	P099	
Profenofos	PROFENOFOS	41198087	41198-08-7				313		
Promecarb	PROMECARB	2631370	2631-37-0	500/10,000	1,000	1,000		P201	
Prometryn	PROMETRYN	7287196	7287-19-6				313		
Pronamide	PRONAMIDE	23950585	23950-58-5			5,000	313	U192	
Propachlor	PROPACHLOR	1918167	1918-16-7				313		
1,2-Propadiene	PROPADIENE	463490	463-49-0						10,000
Propadiene	PROPADIENE	463490	463-49-0						10,000
2-Propanamine	PROPANAMINE	75310	75-31-0						10,000
Propane	PROPANE	74986	74-98-6						10,000
Propane, 2-chloro-	PROPANECHLORO-	75296	75-29-6						10,000
Propane 1,2-dichloro-	PROPANEDICHLORO-	78875	78-87-5			1,000	X	U083	

Propane, 2,2-dimethyl-	PROPANEDIMETHYL	463821	463-82-1						10,000
Propane, 2-methyl	PROPANEMETHYL	75285	75-28-5						10,000
Propanenitrile	PROPANENITRILE	107120	107-12-0	500	10	10		P101	10,000
Propanenitrile, 2-methyl-	PROPANENITRILEMETHYL-	78820	78-82-0	1,000	1,000				20,000
Propane sultone	PROPANESULTONE	1120714	1120-71-4			10	313	U193	
1,3-Propane sultone	PROPANESULTONE	1120714	1120-71-4			10	X	U193	
Propanil	PROPANIL	709988	709-98-8				313		
Propargite	PROPARGITE	2312358	2312-35-8			10	313		
Propargyl alcohol	PROPARGYL ALCOHOL	107197	107-19-7			1,000	313	P102	
Propargyl bromide	PROPARGYL BROMIDE	106967	106-96-7	10	10				
2-Propenal	PROPENAL	107028	107-02-8	500	1	1	X	P003	5,000
2-Propen-1-amine	PROPENAMINE	107119	107-11-9	500	500		X		10,000
Propene	PROPENE	115071	115-07-1				X		10,000
1-Propene	PROPENE1	115071	115-07-1				X		10,000
1-Propene, 1-chloro-	PROPENECHLORO-1	590216	590-21-6						10,000
1-Propene, 2-chloro-	PROPENECHLORO-2	557982	557-98-2						10,000
1-Propene, 2-methyl-	PROPENEMETHYL-	115117	115-11-7						10,000
2-Propenenitrile	PROPENENITRILE	107131	107-13-1	10,000	100	100	X	U009	20,000
2-Propenenitrile, 2-methyl-	PROPENENITRILEMETHYL-	126987	126-98-7	500	1,000	1,000	X	U152	10,000
2-Propen-1-ol	PROPENOL	107186	107-18-6	1,000	100	100	X	P005	15,000
2-Propenoyl chloride	PROPENOYLCHLORIDE	814686	814-68-6	100	100				5,000
Propetamphos	PROPETAMPHOS	31218834	31218-83-4				313		
Propham	PROPHAM	122429	122-42-9			1,000		U373	
Propiconazole	PROPICONAZOLE	60207901	60207-90-1				313		
beta-Propiolactone	PROPIOLACTONE	57578	57-57-8	500	10	10	313		
Propionaldehyde	PROPIONALDEHYDE	123386	123-38-6			1,000	313		
Propionic acid	PROPIONICACID	79094	79-09-4			5,000			
Propionic anhydride	PROPIONICANHYDRIDE	123626	123-62-6			5,000			
Propionitrile	PROPIONITRILE	107120	107-12-0	500	10	10		P101	10,000
Propionitrile, 3-chloro-	PROPIONITRILE, 3-CHLORO-	542767	542-76-7	1,000	1,000	1,000	X	P027	
Propiophenone, 4'-amino	PROPIOPHENONE,4-AMINO	70699	70-69-9	100/10,000	100				
Propoxur	PROPOXUR	114261	114-26-1			100	313	U411	
n-Propylamine	PROPYLAMINE	107108	107-10-8			5,000		U194	
Propyl chloroformate	PROPYLCHLOROFORMATE	109615	109-61-5	500	500				15,000

Propylene	PROPYLENE	115071	115-07-1				313		10,000
Propyleneimine	PROPYLENEIMINE	75558	75-55-8	10,000	1	1	313	P067	10,000
Propylene oxide	PROPYLENEOXIDE	75569	75-56-9	10,000	100	100	313		10,000
1-Propyne	PROPYNE	74997	74-99-7						10,000
Propyne	PROPYNE	74997	74-99-7						10,000
Prothoate	PROTHOATE	2275185	2275-18-5	100/10,000	100				
Pyrene	PYRENE	129000	129-00-0	1,000/10,000	5,000	5,000			
Pyrethrins	PYRETHRINS	121211	121-21-1			1			
Pyrethrins	PYRETHRINS	121299	121-29-9			1			
Pyrethrins	PYRETHRINS	8003347	8003-34-7			1			
Pyridine	PYRIDINE	110861	110-86-1			1,000	313	U196	
Pyridine, 4-amino-	PYRIDINEAMINO-	504245	504-24-5	500/10,000	1,000	1,000		P008	
Pyridine, 3-(1-methyl-2-pyrrolidinyl)-,(S)-	PYRIDINEMETHYLPYRROLIDINYL(S)-	54115	54-11-5	100	100	100		P075	
Pyridine, 2-methyl-5-vinyl-	PYRIDINEMETHYLVINYL-	140761	140-76-1	500	500				
Pyridine, 4-nitro-, 1-oxide	PYRIDINENITROOXIDE	1124330	1124-33-0	500/10,000	500				
2,4-(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl), lithium salt	PYRIMIDINEDIONEBROMOMETHYLMETHYLPRO	53404196	53404-19-6				X		
Pyriminil	PYRIMINIL	53558251	53558-25-1	100/10,000	100				
Quinoline	QUINOLINE	91225	91-22-5			5,000	313		
Quinone	QUINONE	106514	106-51-4			10	313	U197	
Quintozene	QUINTOZENE	82688	82-68-8			100	313	U185	
Quizalofop-ethyl	QUIZALOFOPETHYL	76578148	76578-14-8				313		
Reserpine	RESERPINE	50555	50-55-5			5,000		U200	
Resmethrin	RESMETHRIN	10453868	10453-86-8				313		
Resorcinol	RESORCINOL	108463	108-46-3			5,000		U201	
Saccharin (manufacturing)	SACCHARIN	81072	81-07-2			100	313	U202	
Saccharin and salts	SACCHARIN AND SALTS	81072	81-07-2			100		U202	
Safrole	SAFROLE	94597	94-59-7			100	313	U203	
Salcomine	SALCOMINE	14167181	14167-18-1	500/10,000	500				
Sarin	SARIN	107448	107-44-8	10	10				
Selenious acid	SELENIOUS ACID	7783008	7783-00-8	1,000/10,000	10	10	313c	U204	
Selenious acid, dithallium(1+) salt	SELENIOUS ACID, DITHALLIUM(1+) SALT	12039520	12039-52-0			1,000	313c	P114	
Selenium	SELENIUM	7782492	7782-49-2			100	313		
Selenium Compounds	SELENIUMCOMPOUNDS	1	N725			&	313		
Selenium dioxide	SELENIUMDIOXIDE	7446084	7446-08-4			10	313c		

Selenium oxychloride	SELENIUMOXYCHLORIDE	7791233	7791-23-3	500	500		313c		
Selenium sulfide	SELENIUMSULFIDE	7488564	7488-56-4			10	313c	U205	
Selenourea	SELENOUREA	630104	630-10-4			1,000		P103	
Semicarbazide hydrochloride	SEMICARBAZIDE HYDROCHLORIDE	563417	563-41-7	1,000/10,000	1,000				
Sethoxydim	SETHOXYDIM	74051802	74051-80-2				313		
Silane	SILANE	7803625	7803-62-5						10,000
Silane, (4-aminobutyl)diethoxymethyl-	SILANE, (4-AMINOBUTYL)DIETHOXYMETHYL-	3037727	3037-72-7	1,000	1,000				
Silane, chlorotrimethyl-	SILANECHLOROTRIMETHYL-	75774	75-77-4	1,000	1,000				10,000
Silane, dichloro-	SILANEDICHLORO-	4109960	4109-96-0						10,000
Silane, dichlorodimethyl-	SILANEDICHLORODIMETHYL-	75785	75-78-5	500	500				5,000
Silane, tetramethyl-	SILANETETRAMETHYL-	75763	75-76-3						10,000
Silane, trichloro-	SILANETRICHLORO-	10025782	10025-78-2						10,000
Silane, trichloromethyl-	SILANETRICHLOROMETHYL-	75796	75-79-6	500	500				5,000
Silver	SILVER	7440224	7440-22-4			1,000	313		
Silver Compounds	SILVER AND COMPOUNDS	1	N740			&	313		
Silver cyanide	SILVERCYANIDE	506649	506-64-9			1	313c	P104	
Silver nitrate	SILVERNITRATE	7761888	7761-88-8			1	313c		
Silvex (2,4,5-TP)	SILVEX (2,4,5-TP)	93721	93-72-1			100			
Simazine	SIMAZINE	122349	122-34-9				313		
Sodium	SODIUM	7440235	7440-23-5			10			
Sodium arsenate	SODIUM ARSENATE	7631892	7631-89-2	1,000/10,000	1	1	313c		
Sodium arsenite	SODIUM ARSENITE	7784465	7784-46-5	500/10,000	1	1	313c		
Sodium azide (Na(N3))	SODIUM AZIDE (Na(N3))	26628228	26628-22-8	500	1,000	1,000	313	P105	
Sodium bichromate	SODIUM BICHROMATE	10588019	10588-01-9			10	313c		
Sodium bifluoride	SODIUM BIFLUORIDE	1333831	1333-83-1			100			
Sodium bisulfite	SODIUM BISULFITE	7631905	7631-90-5			5,000			
Sodium cacodylate	SODIUM CACODYLATE	124652	124-65-2	100/10,000	100				
Sodium chromate	SODIUM CHROMATE	7775113	7775-11-3			10	313c		
Sodium cyanide (Na(CN))	SODIUM CYANIDE (Na(CN))	143339	143-33-9	100	10	10	313c	P106	
Sodium dicamba	SODIUM DICAMBA	1982690	1982-69-0				313		
Sodium dimethyldithiocarbamate	SODIUM DIMETHYLDITHIOCARBAMATE	128041	128-04-1				313		
Sodium dodecylbenzenesulfonate	SODIUM DODECYLBENZENESULFONATE	25155300	25155-30-0			1,000			
Sodium fluoride	SODIUM FLUORIDE	7681494	7681-49-4			1,000			
Sodium fluoroacetate	SODIUM FLUOROACETATE	62748	62-74-8	10/10,000	10	10	313	P058	

Sodium hydrosulfide	SODIUM HYDROSULFIDE	16721805	16721-80-5			5,000			
Sodium hydroxide	SODIUM HYDROXIDE	1310732	1310-73-2			1,000			
Sodium hypochlorite	SODIUM HYPOCHLORITE	7681529	7681-52-9			100			
Sodium hypochlorite	SODIUM HYPOCHLORITE	10022705	10022-70-5			100			
Sodium methylate	SODIUM METHYLATE	124414	124-41-4			1,000			
Sodium methyldithiocarbamate	SODIUM METHYLDITHIOCARBAMATE	137428	137-42-8				X		
Sodium nitrite	SODIUM NITRITE	7632000	7632-00-0			100	313		
Sodium pentachlorophenate	SODIUM PENTACHLOROPHENATE	131522	131-52-2				313		
Sodium o-phenylphenoxide	SODIUM PHENYLPHENOXIDE	132274	132-27-4				313		
Sodium phosphate, dibasic	SODIUM PHOSPHATE, DIBASIC	7558794	7558-79-4			5,000			
Sodium phosphate, dibasic	SODIUM PHOSPHATE, DIBASIC	10039324	10039-32-4			5,000			
Sodium phosphate, dibasic	SODIUM PHOSPHATE, DIBASIC	10140655	10140-65-5			5,000			
Sodium phosphate, tribasic	SODIUM PHOSPHATE, TRIBASIC	7601549	7601-54-9			5,000			
Sodium phosphate, tribasic	SODIUM PHOSPHATE, TRIBASIC	10101890	10101-89-0			5,000			
Sodium phosphate, tribasic	SODIUM PHOSPHATE, TRIBASIC	10361894	10361-89-4			5,000			
Sodium selenate	SODIUM SELENATE	13410010	13410-01-0	100/10,000	100		313c		
Sodium selenite	SODIUM SELENITE	7782823	7782-82-3			100	313c		
Sodium selenite	SODIUM SELENITE	10102188	10102-18-8	100/10,000	100	100	313c		
Sodium tellurite	SODIUM TELLURITE	10102202	10102-20-2	500/10,000	500				
Stannane, acetoxytriphenyl-	STANNANE,ACETOXYTRIPHENYL-	900958	900-95-8	500/10,000	500				
Streptozotocin	STREPTOZOTOCIN	18883664	18883-66-4			1		U206	
Strontium chromate	STRONTIUM CHROMATE	7789062	7789-06-2			10	313c		
Strychnine and salts	STRYCHNINE	1	N746				313		
Strychnine	STRYCHNINE	57249	57-24-9	100/10,000	10	10	313c	P108	
Strychnine, and salts	STRYCHNINE, AND SALTS	57249	57-24-9			10	313c	P108	
Strychnine, sulfate	STRYCHNINE, SULFATE	60413	60-41-3	100/10,000	10	10	313c		
Styrene	STYRENEMONOMER	100425	100-42-5			1,000	313		
Styrene oxide	STYRENEOXIDE	96093	96-09-3			100	313		
Sulfotep	SULFOTEP	3689245	3689-24-5	500	100	100		P109	
Sulfoxide, 3-chloropropyl octyl	SULFOXIDE, 3-CHLOROPROPYL OCTYL	3569571	3569-57-1	500	500				
Sulfur dioxide	SULFURDIOXIDE	7446095	7446-09-5	500	500				
Sulfur dioxide (anhydrous)	SULFURDIOXIDE	7446095	7446-09-5	500	500				5,000
Sulfur fluoride (SF4), (T-4)-	SULFURFLUORIDE (SF4), (T-4)-	7783600	7783-60-0	100	100				2,500
Sulfuric acid (aerosol forms only)	SULFURICACID	7664939	7664-93-9	1,000	1,000	1,000	313		

Sulfuric acid	SULFURICACID	7664939	7664-93-9	1,000	1,000	1,000			
Sulfuric acid (fuming)	SULFURICACID (FUMING)	8014957	8014-95-7			1,000			10,000
Sulfuric acid, mixture with sulfur trioxide	SULFURICACIDMIXTURE WITH SULFUR TRIOXIDE	8014957	8014-95-7			1,000			10,000
Sulfur monochloride	SULFURMONOCHLORIDE	12771083	(1) 12771-08-3			1,000			
Sulfur monochloride	SULFURMONOCHLORIDE	10025679	(2) 10025-67-9			1,000			
Sulfur phosphide	SULFURPHOSPHIDE	1314803	1314-80-3			100		U189	
Sulfur tetrafluoride	SULFURTETRAFLUORIDE	7783600	7783-60-0	100	100				2,500
Sulfur trioxide	SULFURTRIOXIDE	7446119	7446-11-9	100	100				10,000
Sulfuryl fluoride	SULFURYLFLUORIDE	2699798	2699-79-8				313		
Sulprofos	SULPROFOS	35400432	35400-43-2				313		
2,4,5-T acid	T ACID	93765	93-76-5			1,000			
2,4,5-T amines	T AMINES	1319728	1319-72-8			5,000			
2,4,5-T amines	T AMINES	2008460	2008-46-0			5,000			
2,4,5-T amines	T AMINES	3813147	3813-14-7			5,000			
2,4,5-T amines	T AMINES	6369966	6369-96-6			5,000			
2,4,5-T amines	T AMINES	6369977	6369-97-7			5,000			
2,4,5-T esters	T ESTERS	93798	93-79-8			1,000			
2,4,5-T esters	T ESTERS	1928478	1928-47-8			1,000			
2,4,5-T esters	T ESTERS	2545597	2545-59-7			1,000			
2,4,5-T esters	T ESTERS	25168154	25168-15-4			1,000			
2,4,5-T esters	T ESTERS	61792072	61792-07-2			1,000			
2,4,5-T salts	T SALTS	13560991	13560-99-1			1,000			
Tabun	TABUN	77816	77-81-6	10	10				
Tebuthiuron	TEBUTHIURON	34014181	34014-18-1				313		
Tellurium hexafluoride	TELLURIUM HEXAFLUORIDE	7783804	7783-80-4	100	100				
Temephos	TEMEPHOS	3383968	3383-96-8				313		
TEPP	TEPP	107493	107-49-3	100	10	10		P111	
Terbacil	TERBACIL	5902512	5902-51-2				313		
Terbufos	TERBUFOS	13071799	13071-79-9	100	100				
Tetrabromobisphenol A	TETRABROMOBISPHENOLA	79947	79-94-7				313		
1,2,4,5-Tetrachlorobenzene	TETRACHLOROBENZENE	95943	95-94-3			5,000		U207	
2,3,7,8-tetrachlorodibenzofuran	TETRACHLORODIBENZOFURAN	51207319	51207-31-9				313!		
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	TETRACHLORODIBENZO-P-DIOXIN (TCDD)	1746016	1746-01-6			1	313!		

1,1,2,2-Tetrachloroethane	TETRACHLOROETHANE	79345	79-34-5			100	313	U209	
1,1,1,2-Tetrachloroethane	TETRACHLOROETHANE	630206	630-20-6			100	313	U208	
Tetrachloroethylene	TETRACHLOROETHYLENE	127184	127-18-4			100	313	U210	
1,1,2,2-Tetrachloro-1-fluoroethane	TETRACHLOROFLUOROETHANE (HCFC-121)	354143	354-14-3				313		
1,1,1,2-Tetrachloro-2-fluoroethane	TETRACHLOROFLUOROETHANE (HCFC-121A)	354110	354-11-0				313		
2,3,4,6-Tetrachlorophenol	TETRACHLOROPHENOL	58902	58-90-2			10	313c		
Tetrachlorvinphos	TETRACHLORVINPHOS	961115	961-11-5				313		
Tetracycline hydrochloride	TETRACYCLINEHYDROCHLORIDE	64755	64-75-5				313		
Tetraethyldithiopyrophosphate	TETRAETHYLDITHIOPYROPHOSPHATE	3689245	3689-24-5	500	100	100		P109	
Tetraethyl lead	TETRAETHYLLEAD	78002	78-00-2	100	10	10	313c	P110	
Tetraethyl pyrophosphate	TETRAETHYLPYROPHOSPHATE	107493	107-49-3	100	10	10		P111	
Tetraethyltin	TETRAETHYLTIN	597648	597-64-8	100	100				
Tetrafluoroethylene	TETRAFLUOROETHYLENE	116143	116-14-3				313		10,000
Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone(3-(4-(trifluoromethyl)phenyl)-1-(2-(4-(trifluoromethyl)phenyl)ethenyl)-2-propenylidene)hydrazone	TETRAHYDRODIMETHYLPYRIMIDINONETRIFLUOROME	67485294	67485-29-4				X		
Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione	TETRAHYDRODIMETHYLTHIADIAZINETHIONE	533744	533-74-4				X		
Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione, ion(1-), sodium	TETRAHYDRODIMETHYLTHIADIAZINETHIONEION(1	53404607	53404-60-7				X		
Tetramethrin	TETRAMETHRIN	7696120	7696-12-0				313		
2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3-phenoxyphenyl)methyl ester	TETRAMETHYLCYCLOPROPANECARBOXYLICACIDCYANOPHEN	39515418	39515-41-8				X		
Tetramethyllead	TETRAMETHYLLEAD	75741	75-74-1	100	100		313c		10,000
Tetramethylsilane	TETRAMETHYLSILANE	75763	75-76-3						10,000
Tetranitromethane	TETRANITROMETHANE	509148	509-14-8	500	10	10	**313**	P112	10,000
Thallic oxide	THALLIC OXIDE	1314325	1314-32-5			100	313c	P113	
Thallium	THALLIUM	7440280	7440-28-0			1,000	313		
Thallium(I) acetate	THALLIUMACETATE	563688	563-68-8			100	313c	U214	
Thallium(I) carbonate	THALLIUMCARBONATE	6533739	6533-73-9	100/10,000	100	100	313c	U215	
Thallium chloride TlCl	THALLIUMCHLORIDE TICI	7791120	7791-12-0	100/10,000	100	100	313c	U216	
Thallium Compounds	THALLIUMCOMPOUNDS	1	N760			&	313		
Thallium(I) nitrate	THALLIUMNITRATE	10102451	10102-45-1			100	313c	U217	
Thallium(I) sulfate	THALLIUMSULFATE	7446186	7446-18-6	100/10,000	100	100	313c	P115	
Thallium sulfate	THALLIUMSULFATE	10031591	10031-59-1	100/10,000	100	100	313c		
Thallous carbonate	THALLOUS CARBONATE	6533739	6533-73-9	100/10,000	100	100	313c	U215	
Thallous chloride	THALLOUS CHLORIDE	7791120	7791-12-0	100/10,000	100	100	313c	U216	

Thallous malonate	THALLOUS MALONATE	2757188	2757-18-8	100/10,000	100				
Thallous sulfate	THALLOUS SULFATE	7446186	7446-18-6	100/10,000	100	100	313c	P115	
Thiabendazole	THIABENDAZOLE	148798	148-79-8				313		
2-(4-Thiazolyl)-1H-benzimidazole	THIAZOLYLBENZIMIDAZOLE	148798	148-79-8				X		
Thioacetamide	THIOACETAMIDE	62555	62-55-5			10	313	U218	
Thiobencarb	THIOBENCARB	28249776	28249-77-6				313		
Thiocarbazide	THIOCARBAZIDE	2231574	2231-57-4	1,000/10,000	1,000				
Thiocyanic acid, methyl ester	THIOCYANICACIDMETHYLESTER	556649	556-64-9	10,000	10,000				20,000
4,4'-Thiodianiline	THIODIANILINE	139651	139-65-1				313		
Thiodicarb	THIODICARB	59669260	59669-26-0			100	313	U410	
Thiofanox	THIOFANOX	39196184	39196-18-4	100/10,000	100	100		P045	
Thiomethanol	THIOMETHANOL	74931	74-93-1	500	100	100	X	U153	10,000
Thionazin	THIONAZIN	297972	297-97-2	500	100	100		P040	
Thiophanate ethyl	THIOPHANATEETHYL	23564069	23564-06-9				313		
Thiophanate-methyl	THIOPHANATEMETHYL	23564058	23564-05-8			10	313	U409	
Thiophenol	THIOPHENOL	108985	108-98-5	500	100	100		P014	
Thiosemicarbazide	THIOSEMICARBAZIDE	79196	79-19-6	100/10,000	100	100	313	P116	
Thiourea	THIOUREA	62566	62-56-6			10	313	U219	
Thiourea, (2-chlorophenyl)-	THIOUREA, (2-CHLOROPHENYL)-	5344821	5344-82-1	100/10,000	100	100		P026	
Thiourea, (2-methylphenyl)-	THIOUREA, (2-METHYLPHENYL)-	614788	614-78-8	500/10,000	500				
Thiourea, 1-naphthalenyl-	THIOUREANAPHTHALENYL-	86884	86-88-4	500/10,000	100	100		P072	
Thiram	THIRAM	137268	137-26-8			10	313	U244	
Thorium dioxide	THORIUMDIOXIDE	1314201	1314-20-1				313		
Titanium chloride (TiCl4) (T-4)-	TITANIUMCHLORIDE (TICL4) (T-4)-	7550450	7550-45-0	100	1,000	1,000	X		2,500
Titanium tetrachloride	TITANIUMTETRACHLOR	7550450	7550-45-0	100	1,000	1,000	313		2,500
o-Tolidine	TOLIDINE	119937	119-93-7			10	X	U095	
o-Tolidine dihydrochloride	TOLIDINEDIHYDROCHLORIDE	612828	612-82-8				X		
o-Tolidine dihydrofluoride	TOLIDINEDIHYDROFLUORIDE	41766750	41766-75-0				X		
Toluene	TOLUENE	108883	108-88-3			1,000	313	U220	
Toluenediamine	TOLUENEDIAMINE	25376458	25376-45-8			10	X	U221	
Toluene-2,4-diisocyanate	TOLUENEDIISOCYANATEA	584849	584-84-9	500	100	100	313		10,000
Toluene-2,6-diisocyanate	TOLUENEDIISOCYANATEB	91087	91-08-7	100	100	100	313		10,000
Toluenediisocyanate (mixed isomers)	TOLUENEDIISOCYANATEM	26471625	26471-62-5			100	313	U223	10,000
Toluene diisocyanate (unspecified isomer)	TOLUENEDIISOCYANATEU	26471625	26471-62-5			100	X	U223	10,000

o-Toluidine	TOLUIDINE	95534	95-53-4			100	313	U328	
p-Toluidine	TOLUIDINE	106490	106-49-0			100		U353	
o-Toluidine hydrochloride	TOLUIDINEHYDROCHL	636215	636-21-5			100	313	U222	
Toxaphene	TOXAPHENE	8001352	8001-35-2	500/10,000	1	1	313	P123	
2,4,5-TP esters	TP ESTERS	32534955	32534-95-5			100			
Triadimefon	TRIADIMEFON	43121433	43121-43-3				313		
Triallate	TRIALLATE	2303175	2303-17-5			100	313	U389	
Triamiphos	TRIAMIPHOS	1031476	1031-47-6	500/10,000	500				
Triaziquone	TRIAZIQUONE	68768	68-76-8				313		
Triazofos	TRIAZOFOS	24017478	24017-47-8	500	500				
Tribenuron methyl	TRIBENURONMETHYL	101200480	101200-48-0				313		
Tribromomethane	TRIBROMOMETHANE	75252	75-25-2			100	X	U225	
Tributyltin fluoride	TRIBUTYLTINFLUORIDE	1983104	1983-10-4				313		
Tributyltin methacrylate	TRIBUTYLTINMETHACRYLATE	2155706	2155-70-6				313		
S,S,S-Tributyltrithiophosphate	TRIBUTYLTRITHIOPHOSPHATE (DEF)	78488	78-48-8				313		
Trichlorfon	TRICHLORFON	52686	52-68-6			100	313		
Trichloroacetyl chloride	TRICHLOROACETYL CHLORIDE	76028	76-02-8	500	500		313		
1,2,4-Trichlorobenzene	TRICHLOROBENZE	120821	120-82-1			100	313		
Trichloro(chloromethyl)silane	TRICHLOROCHLOROMETHYL)SILANE	1558254	1558-25-4	100	100				
Trichloro(dichlorophenyl)silane	TRICHLORODICHLOROPHENYL)SILANE	27137855	27137-85-5	500	500				
1,1,1-Trichloroethane	TRICHLOROETHANEA	71556	71-55-6			1,000	313	U226	
1,1,2-Trichloroethane	TRICHLOROETHANEB	79005	79-00-5			100	313	U227	
Trichloroethylene	TRICHLOROETHYLENE	79016	79-01-6			100	313	U228	
Trichloroethylsilane	TRICHLOROETHYLSILANE	115219	115-21-9	500	500				
Trichlorofluoromethane	TRICHLOROFLUOROMETHANE	75694	75-69-4			5,000	313	U121	
Trichloromethanesulfenyl chloride	TRICHLOROMETHANESULFENYL CHLORIDE	594423	594-42-3	500	100	100	X		10,000
Trichloromonofluoromethane	TRICHLOROMONOFLUOROMETHANE	75694	75-69-4			5,000	X	U121	
Trichloronate	TRICHLORONATE	327980	327-98-0	500	500				
Trichlorophenol	TRICHLOROPHENOL	25167822	25167-82-2			10	313c		
2,3,4-Trichlorophenol	TRICHLOROPHENOL-A	15950660	15950-66-0			10	313c		
2,3,5-Trichlorophenol	TRICHLOROPHENOL-B	933788	933-78-8			10	313c		
2,3,6-Trichlorophenol	TRICHLOROPHENOL-C	933755	933-75-5			10	313c		
2,4,5-Trichlorophenol	TRICHLOROPHENOL-D	95954	95-95-4			10	313		
2,4,6-Trichlorophenol	TRICHLOROPHENOL-E	88062	88-06-2			10	313		

3,4,5-Trichlorophenol	TRICHLOROPHENOL-F	609198	609-19-8			10			
Trichlorophenylsilane	TRICHLOROPHENYLSILANE	98135	98-13-5	500	500				
1,2,3-Trichloropropane	TRICHLOROPROPANE	96184	96-18-4				313		
Trichlorosilane	TRICHLOROSILANE	10025782	10025-78-2						10,000
Triclopyr triethylammonium salt	TRICLOPYRTRIETHYLAMMONIUM SALT	57213691	57213-69-1				313		
Triethanolamine dodecylbenzene sulfonate	TRIETHANOLAMINE DODECYLBENZENE SULFONATE	27323417	27323-41-7			1,000			
Triethoxysilane	TRIETHOXYSILANE	998301	998-30-1	500	500				
Triethylamine	TRIETHYLAMINE	121448	121-44-8			5,000	313	U404	
Trifluorochloroethylene	TRIFLUOROCHLOROETHYL	79389	79-38-9						10,000
2-(4-((5-(Trifluoromethyl)-2-pyridinyl)oxy)-phenoxy)propanoic acid, butyl ester	TRIFLUOROMETHYLPYRIDINYLOXYPHENOXYPROPANOIC	69806504	69806-50-4				X		
Trifluralin	TRIFLURALIN	1582098	1582-09-8			10	313		
Triforine	TRIFORINE	26644462	26644-46-2				313		
Trimethylamine	TRIMETHYLAMINE	75503	75-50-3			100			10,000
1,2,4-Trimethylbenzene	TRIMETHYLBENZ	95636	95-63-6				313		
Trimethylchlorosilane	TRIMETHYLCHLOROSILANE	75774	75-77-4	1,000	1,000				10,000
2,4,4-Trimethylhexamethylene diisocyanate	TRIMETHYLHEXAMETHYLENEDIISOCYANATE	15646965	15646-96-5				313#		
2,2,4-Trimethylhexamethylene diisocyanate	TRIMETHYLHEXAMETHYLENEDIISOCYANATE	16938220	16938-22-0				313#		
Trimethylolpropane phosphite	TRIMETHYLOLPROPANE PHOSPHITE	824113	824-11-3	100/10,000	100				
2,2,4-Trimethylpentane	TRIMETHYLPENTANE	540841	540-84-1			1,000			
2,3,5-Trimethylphenyl methylcarbamate	TRIMETHYLPHENYLMETHYLCARBAMATE	2655154	2655-15-4				313		
Trimethyltin chloride	TRIMETHYLTIN CHLORIDE	1066451	1066-45-1	500/10,000	500				
1,3,5-Trinitrobenzene	TRINITROBENZENE	99354	99-35-4			10		U234	
Triphenyltin chloride	TRIPHENYLTIN CHLORIDE	639587	639-58-7	500/10,000	500		313		
Triphenyltin hydroxide	TRIPHENYLTINHYDROXIDE	76879	76-87-9				313		
Tris(2-chloroethyl)amine	TRIS(2-CHLOROETHYL)AMINE	555771	555-77-1	100	100				
Tris(2,3-dibromopropyl) phosphate	TRISDIBROMOPROP	126727	126-72-7			10	313	U235	
Tris(dimethylcarbamodithioato-S,S')iron	TRISDIMETHYLCARBAMODITHIOATO-S,S')IRON	14484641	14484-64-1				X		
Trypan blue	TRYPAN BLUE	72571	72-57-1			10	313	U236	
Uracil mustard	URACIL MUSTARD	66751	66-75-1			10		U237	
Uranyl acetate	URANYL ACETATE	541093	541-09-3			100			
Uranyl nitrate	URANYL NITRATE	10102064	10102-06-4			100			
Uranyl nitrate	URANYL NITRATE	36478769	36478-76-9			100			
Urea, N,N-dimethyl-N'-[3-(trifluoromethyl)phenyl]-	UREADIMETHYLTRIFLUOROMETHYL)PHENYL]-	2164172	2164-17-2				X		
Urethane	URETHANE	51796	51-79-6			100	313	U238	

Valinomycin	VALINOMYCIN	2001958	2001-95-8	1,000/10,000	1,000				
Vanadium (except when contained in an alloy)	VANADIUM	7440622	7440-62-2				313		
Vanadium Compounds	VANADIUM COMPOUNDS	1	N770				313		
Vanadium pentoxide	VANADIUM PENTOXIDE	1314621	1314-62-1	100/10,000	1,000	1,000	313c	P120	
Vanadyl sulfate	VANADYL SULFATE	27774136	27774-13-6			1,000	313c		
Vikane	VIKANE	2699798	2699-79-8				X		
Vinclozolin	VINCLOZOLIN	50471448	50471-44-8				313		
Vinyl acetate	VINYLACETATE	108054	108-05-4	1,000	5,000	5,000	313		15,000
Vinyl acetate monomer	VINYLACETATEMONOMER	108054	108-05-4	1,000	5,000	5,000	X		15,000
Vinyl acetylene	VINYLACETYLENE	689974	689-97-4						10,000
Vinyl bromide	VINYLBROMIDE	593602	593-60-2			100	313		
Vinyl chloride	VINYLCHLORIDE	75014	75-01-4			1	313	U043	10,000
Vinyl ethyl ether	VINYLETHYLETHER	109922	109-92-2						10,000
Vinyl fluoride	VINYLFLUORIDE	75025	75-02-5				313		10,000
Vinylidene chloride	VINYLIDENECHLORIDE	75354	75-35-4			100	313	U078	10,000
Vinylidene fluoride	VINYLIDENEFLUORIDE	75387	75-38-7						10,000
Vinyl methyl ether	VINYLMETHYLETHER	107255	107-25-5						10,000
Warfarin	WARFARIN	81812	81-81-2	500/10,000	100	100	X 313c	P001	
Warfarin and salts	WARFARIN AND SALTS	1	N874				313		
Warfarin, & salts, conc.>0.3%	WARFARIN SALTS, WHEN PRESENT AT CONCENTRATIONS	81812	81-81-2			100	X 313c	P001	
Warfarin sodium	WARFARIN SODIUM	129066	129-06-6	100/10,000	100	100	313c		
m-Xylene	XYLENEA	108383	108-38-3			1,000	313	U239	
o-Xylene	XYLENEB	95476	95-47-6			1,000	313	U239	
p-Xylene	XYLENEC	106423	106-42-3			100	313	U239	
Xylene (mixed isomers)	XYLENEMIXEDISOMER	1330207	1330-20-7			100	313	U239	
Xylenol	XYLENOL	1300716	1300-71-6			1,000			
2,6-Xylidine	XYLIDINE	87627	87-62-7				313		
Xylylene dichloride	XYLYLENE DICHLORIDE	28347139	28347-13-9	100/10,000	100				
Zinc (fume or dust)	ZINC	7440666	7440-66-6			1,000	313		
Zinc	ZINC	7440666	7440-66-6			1,000			
Zinc acetate	ZINCACETATE	557346	557-34-6			1,000	313c		
Zinc ammonium chloride	ZINCAMMONIUM CHLORIDE	14639975	14639-97-5			1,000	313c		
Zinc ammonium chloride	ZINCAMMONIUM CHLORIDE	14639986	14639-98-6			1,000	313c		
Zinc ammonium chloride	ZINCAMMONIUM CHLORIDE	52628258	52628-25-8			1,000	313c		

Zinc borate	ZINCBORATE	1332076	1332-07-6			1,000	313c		
Zinc bromide	ZINCBROMIDE	7699458	7699-45-8			1,000	313c		
Zinc carbonate	ZINCCARBONATE	3486359	3486-35-9			1,000	313c		
Zinc chloride	ZINCCHLORIDE	7646857	7646-85-7			1,000	313c		
Zinc Compounds	ZINCCOMPOUNDS	1	N982			&	313		
Zinc cyanide	ZINCCYANIDE	557211	557-21-1			10	313c	P121	
Zinc, dichloro(4,4-dimethyl-5((((methylamino)carbonyl)oxy)imino)pentanenitrile)-, (T-4)-	ZINCDICHLORO(4,4-DIMETHYL-5((((METHYLAMINO) CARB	58270089	58270-08-9	100/10,000	100		313c		
Zinc fluoride	ZINCFLUORIDE	7783495	7783-49-5			1,000	313c		
Zinc formate	ZINCFORMATE	557415	557-41-5			1,000	313c		
Zinc hydrosulfite	ZINCHYDROSULFITE	7779864	7779-86-4			1,000	313c		
Zinc nitrate	ZINCNITRATE	7779886	7779-88-6			1,000	313c		
Zinc phenolsulfonate	ZINCPHENOLSULFONATE	127822	127-82-2			5,000	313c		
Zinc phosphide	ZINCPHOSPHIDE	1314847	1314-84-7	500	100	100	313c	P122	
Zinc phosphide (conc. <= 10%)	ZINCPHOSPHIDE	1314847	1314-84-7	500	100	100	313c	U249	
Zinc phosphide (conc. > 10%)	ZINCPHOSPHIDE	1314847	1314-84-7	500	100	100	313c	P122	
Zinc silicofluoride	ZINCSILICOFLUORIDE	16871719	16871-71-9			5,000	313c		
Zinc sulfate	ZINCSULFATE	7733020	7733-02-0			1,000	313c		
Zineb	ZINEB	12122677	12122-67-7				313		
Ziram	ZIRAM	137304	137-30-4			10		P205	
Zirconium nitrate	ZIRCONIUMNITRATE	13746899	13746-89-9			5,000			
Zirconium potassium fluoride	ZIRCONIUMPOTASSIUM FLUORIDE	16923958	16923-95-8			1,000			
Zirconium sulfate	ZIRCONIUMSULFATE	14644612	14644-61-2			5,000			
Zirconium tetrachloride	ZIRCONIUMTETRACHLORIDE	10026116	10026-11-6			5,000			
THE LIST BELOW CONTAINS RCRA WASTE STREAMS AND UNLISTED HAZARDOUS WASTES. THE DESCRIPTIONS OF THE WASTE STREAMS HAVE BEEN TRUNCATED.									
THE FOLLOWING LIST SHOULD BE USED FOR REFERENCE ONLY. COMPLIANCE INFORMATION CAN BE FOUND IN 40 CFR PART 302 AND TABLE 302.4									
The following spent halogenated solvents used in degreasing:						10		F001	
(a) Tetrachloroethylene (CAS No. 127-18-4, RCRA Waste No. U210)						100			
(b) Trichloroethylene (CAS No. 79-01-6, RCRA Waste No. U228)						100			

(c) Methylene chloride (CAS No. 75-09-2, RCRA Waste No. U080)						1,000			
(d) 1,1,1-Trichloroethane (CAS No. 71-55-6, RCRA Waste No. U226)						1,000			
(e) Carbon tetrachloride (CAS No. 56-23-5, RCRA Waste No. U211)						10			
(f) Chlorinated fluorocarbons						5,000			
The following spent halogenated solvents:						10		F002	
(a) Tetrachloroethylene (CAS No. 127-18-4, RCRA Waste No. U210)						100			
(b) Methylene chloride (CAS No. 75-09-2, RCRA Waste No. U080)						1,000			
(c) Trichloroethylene (CAS No. 79-01-6, RCRA Waste No. U228)						100			
(d) 1,1,1-Trichloroethane (CAS No. 71-55-6, RCRA Waste No. U226)						1,000			
(e) Chlorobenzene (CAS No. 108-90-7, RCRA Waste No. U037)						100			
(f) 1,1,2-Trichloro-1,2,2-trifluoroethane (CAS No. 76-13-1)						5,000			
(g) o-Dichlorobenzene (CAS No. 95-50-1, RCRA Waste No. U070)						100			
(h) Trichlorofluoromethane (CAS No. 75-69-4, RCRA Waste No. U121)						5,000			
(i) 1,1,2-Trichloroethane (CAS No. 79-00-5, RCRA Waste No. U227)						100			
The following spent non-halogenated solvents and still bottoms from recovery:						100		F003	
(a) Xylene (CAS No. 1330-20-7, RCRA Waste No. U239)						1,000			
(b) Acetone (CAS No. 67-64-1, RCRA Waste No. U002)						5,000			
(c) Ethyl acetate (CAS No. 141-78-6, RCRA Waste No. U112)						5,000			
(d) Ethylbenzene (CAS No. 100-41-4)						1,000			
(e) Ethyl ether (CAS No. 60-29-7, RCRA Waste No. U117)						100			

(f) Methyl isobutyl ketone (CAS No. 108-10-1, RCRA Waste No. U161)						5,000			
(g) n-Butyl alcohol (CAS No. 71-36-3, RCRA Waste No. U031)						5,000			
(h) Cyclohexanone (CAS No. 108-94-1, RCRA Waste No. U057)						5,000			
(i) Methanol (CAS No. 67-56-1, RCRA Waste No. U154)						5,000			
The following spent non-halogenated solvents and still bottoms from recovery:						100		F004	
(a) Cresols/cresylic acid (CAS No. 1319-77-3, RCRA Waste No. U052)						100			
(b) Nitrobenzene (CAS No. 98-95-3, RCRA Waste No. U169)						1,000			
The following spent non-halogenated solvents and still bottoms from recovery:						100		F005	
(a) Toluene (CAS No. 108-88-3, RCRA Waste No. U220)						1,000			
(b) Methyl ethyl ketone (CAS No. 78-93-3, RCRA Waste No. U159)						5,000			
(c) Carbon disulfide (CAS No. 75-15-0, RCRA Waste No. P022)						100			
(d) Isobutanol (CAS No. 78-83-1, RCRA Waste No. U140)						5,000			
(e) Pyridine (CAS No. 110-86-1, RCRA Waste No. U196)						1,000			
Wastewater treatment sludges from electroplating operations (w/some exceptions)						10		F006	
Spent cyanide plating bath solns. from electroplating						10		F007	
Plating bath residues from electroplating where cyanides are used						10		F008	
Spent stripping/cleaning bath solns. from electroplating where cyanides are used						10		F009	
Quenching bath residues from metal heat treating where cyanides are used						10		F010	
Spent cyanide soln. from salt bath pot cleaning from metal heat treating						10		F011	
Quenching wastewater sludges from metal heat treating where cyanides are used						10		F012	

Wastewater treatment sludges from chemical conversion aluminum coating					10		F019	
Wastes from production or use of tri/tetrachlorophenol or derivative intermediates					1		F020	
Wastes from production or use of pentachlorophenol or intermediates for derivatives					1		F021	
Wastes from use of tetra/penta/hexachlorobenzenes under alkaline conditions					1		F022	
Wastes from mat. production on equipment previously used for tri\tetrachlorophenol					1		F023	
Wastes from production of chlorinated aliphatic hydrocarbons (C1-C5)					1		F024	
Lights ends, filters from production of chlorinated aliphatic hydrocarbons (C1-C5)					1		F025	
Waste from equipment previously used to production tetra/penta/hexachlorobenzenes					1		F026	
Discarded formulations containing tri/tetra/pentachlorophenols or derivatives					1		F027	
Residues from incineration of soil contaminated w/ F020,F021,F022,F023,F026,F027					1		F028	
Wastewaters, process residuals from wood preserving using chlorophenolic solns.					1		F032	
Wastewaters, process residuals from wood preserving using creosote formulations					1		F034	
Wastewaters, process residuals from wood preserving using arsenic or chromium					1		F035	
Petroleum refinery primary oil/water/solids separation sludge					1		F037	
Petroleum refinery secondary (emulsified) oil/water/solids separation sludge					1		F038	
Multisource leachate					1		F039	
Wastewater treatment sludge from creosote/pentachlorophenol wood preserving					1		K001	
Wastewater treatment sludge from production of chrome yellow and orange pigments					10		K002	

Wastewater treatment sludge from production of molybdate orange pigments						10		K003	
Wastewater treatment sludge from production of zinc yellow pigments						10		K004	
Wastewater treatment sludge from production of chrome green pigments						10		K005	
Wastewater treatment sludge from production of chrome oxide green pigments						10		K006	
Wastewater treatment sludge from production of iron blue pigments						10		K007	
Oven residue from production of chrome oxide green pigments						10		K008	
Dist. bottoms from production of acetaldehyde from ethylene						10		K009	
Dist. side cuts from production of acetaldehyde from ethylene						10		K010	
Bottom stream from wastewater stripper in acrylonitrile production						10		K011	
Bottom stream from acetonitrile column in acrylonitrile production						10		K013	
Bottoms from acetonitrile purification column in acrylonitrile production						5,000		K014	
Still bottoms from the dist. of benzyl chloride						10		K015	
Heavy ends or dist. residues from production of carbon tetrachloride						1		K016	
Heavy ends from the purification column in epichlorohydrin production						10		K017	
Heavy ends from the fractionation column in ethyl chloride production						1		K018	
Heavy ends from the dist. of ethylene dichloride during its production						1		K019	
Heavy ends from the dist. of vinyl chloride during production of the monomer						1		K020	
Aqueous spent antimony catalyst waste from fluoromethanes production						10		K021	

Dist. bottom tars from production of phenol/acetone from cumene							1		K022	
Dist. light ends from production of phthalic anhydride from naphthalene							5,000		K023	
Dist. bottoms from production of phthalic anhydride from naphthalene							5,000		K024	
Dist. bottoms from production of nitrobenzene by nitration of benzene							10		K025	
Stripping still tails from the production of methyl ethyl pyridines							1,000		K026	
Centrifuge/dist. residues from toluene diisocyanate production							10		K027	
Spent catalyst from hydrochlorinator reactor in production of 1,1,1-trichloroethane							1		K028	
Waste from product steam stripper in production of 1,1,1-trichloroethane							1		K029	
Column bottoms/heavy ends from production of trichloroethylene and perchloroethylene							1		K030	
By-product salts generated in the production of MSMA and cacodylic acid							1		K031	
Wastewater treatment sludge from the production of chlordane							10		K032	
Wastewaster/scrubwater from chlorination of cyclopentadiene in chlordane production							10		K033	
Filter solids from filtration of hexachlorocyclopentadiene in chlordane production							10		K034	
Wastewater treatment sludges from the production of creosote							1		K035	
Still bottoms from toluene reclamation distillation in disulfoton production							1		K036	
Wastewater treatment sludges from the production of disulfoton							1		K037	
Wastewater from the washing and stripping of phorate production							10		K038	

Filter cake from filtration of diethylphosphorodithioic adid in phorate production						10		K039	
Wastewater treatment sludge from the production of phorate						10		K040	
Wastewater treatment sludge from the production of toxaphene						1		K041	
Heavy ends/residues from dist. of tetrachlorobenzene in 2,4,5-T production						10		K042	
2,6-Dichlorophenol waste from the production of 2,4-D						10		K043	
Wastewater treatment sludge from manuf. and processing of explosives						10		K044	
Spent carbon from treatment of wastewater containing explosives						10		K045	
Wastewater sludge from manuf.,formulating,loading of lead-based initiating compd						10		K046	
Pink/red water from TNT operations						10		K047	
Dissolved air flotation (DAF) float from the petroleum refining industry						10		K048	
Slop oil emulsion solids from the petroleum refining industry						10		K049	
Heat exchanger bundle cleaning sludge from petroleum refining industry						10		K050	
API separator sludge from the petroleum refining industry						10		K051	
Tank bottoms (leaded) from the petroleum refining industry						10		K052	
Ammonia still lime sludge from coking operations						1		K060	
Emission control dust/sludge from primary production of steel in electric furnaces						10		K061	
Spent pickle liquor generated by steel finishing (SIC codes 331 and 332)						10		K062	
Acid plant blowdown slurry/sludge from blowdown slurry from primary copper production						10		K064	
Surface impoundment solids at primary lead smelting facilities						10		K065	
Sludge from treatment of wastewater/acid plant blowdown from primary zinc production						10		K066	

Emission control dust/sludge from secondary lead smelting						10		K069	
Brine purification muds from mercury cell process in chlorine production						1		K071	
Chlorinated hydrocarbon waste from diaphragm cell process in chlorine production						10		K073	
Distillation bottoms from aniline extraction						100		K083	
Wastewater sludges from production of veterinary pharm. from arsenic compds.						1		K084	
Distillation or fractionation column bottoms in production of chlorobenzenes						10		K085	
Wastes/sludges from production of inks from chromium and lead-containing substances						10		K086	
Decanter tank tar sludge from coking operations						100		K087	
Spent potliners from primary aluminum reduction						10		K088	
Emission control dust/sludge from ferrochromiumsilicon production						10		K090	
Emission control dust/sludge from ferrochromium production						10		K091	
Dist. light ends from production of phthalic anhydride by ortho-xylene						5,000		K093	
Dist. bottoms in production of phthalic anhydride by ortho-xylene						5,000		K094	
Distillation bottoms in production of 1,1,1-trichloroethane						100		K095	
Heavy ends from dist. column in production of 1,1,1-trichloroethane						100		K096	
Vacuum stripper discharge from the chlordane chlorinator in production of chlordane						1		K097	
Untreated process wastewater from the production of toxaphene						1		K098	
Untreated wastewater from the production of 2,4-D						10		K099	
Waste leaching soln from emission control dust/sludge in secondary lead smelting						10		K100	
Dist. tar residue from aniline in production of veterinary pharm. from arsenic compd.						1		K101	

Residue from activated carbon in production of veterinary pharm. from arsenic compds.					1		K102	
Process residues from aniline extraction from the production of aniline					100		K103	
Combined wastewater streams generated from production of nitrobenzene/aniline					10		K104	
Aqueous stream from washing in production of chlorobenzenes					10		K105	
Wastewater treatment sludge from mercury cell process in chlorine production					1		K106	
Column bottoms from separation in production of UDMH from carboxylic acid hydrazides					10		K107	
Condensed column overheads and vent gas from production of UDMH from -COOH hydrazides					10		K108	
Spent filter cartridges from purif. of UDMH production from carboxylic acid hydrazides					10		K109	
Condensed column overheads from separation in UDMH production from -COOH hydrazides					10		K110	
Product washwaters from production of dinitrotoluene via nitration of toluene					10		K111	
Reaction by-product water from drying in toluenediamine prod from dinitrotoluene					10		K112	
Condensed liquid light ends from purification of toluenediamine during its production					10		K113	
Vicinals from purification of toluenediamine during its production from dinitrotoluene					10		K114	
Heavy ends from toluenediamine purification during production from dinitrotoluene					10		K115	
Organic condensate from solvent recovery system in production of toluene diisocyanate					10		K116	
Wastewater from vent gas scrubber in ethylene bromide prod by ethene bromination					1		K117	
Spent absorbent solids in purification of ethylene dibromide in its production					1		K118	

Process wastewater from the production of ethylenebisdithiocarbamic acid and salts					10		K123	
Reactor vent scrubber water from prod of ethylenebisdithiocarbamic acid and salts					10		K124	
Filtration/other solids from production of ethylenebisdithiocarbamic acid and salts					10		K125	
Dust/sweepings from the production of ethylenebisdithiocarbamic acid and salts					10		K126	
Wastewater and spent sulfuric acid from the production of methyl bromide					100		K131	
Spent absorbent and wastewater solids from the production of methyl bromide					1,000		K132	
Still bottoms from ethylene dibromide purif. in production by ethene bromination					1		K136	
Process residues from coal tar recovery in coking					1		K141	
Tar storage tank residues from coke production from coal or recovery of coke by-prods					1		K142	
Process residues from recovery of light oil in coking					1		K143	
Wastewater residues from light oil refining in coking					1		K144	
Residues from naphthalene collection and recovery from coke by-products					1		K145	
Tar storage tank residues from coal tar refining in coking					1		K147	
Residues from coal tar distillation, including still bottoms, in coking					1		K148	
Distillation bottoms from the production of chlorinated toluenes/benzoyl chlorides					10		K149	
Organic residuals from Cl gas and HCl recovery from chlorinated toluene production					10		K150	
Wastewater treatment sludge from production of chlorotoluenes/benzoyl chlorides					10		K151	
Organic waste from production of carbamates and carbamoyl oximes					10		K156	
Wastewaters from production of carbamates and carbamoyl oximes (not sludges)					10		K157	

Bag house dusts & filter/separation solids from prod of carbamates, carb oximes						10		K158	
Organics from treatment of thiocarbamate waste						10		K159	
Purif. solids/bag house dust/sweepings from prod of dithiocarbamate acids/salts						1		K161	
Crude oil storage tank sediment from refining operations						10		K169	
Clarified slurry oil tank sediment of in-line filter/separation solids						1		K170	
Spent hydrotreating catalyst						1		K171	
Spent hydrorefining catalyst						1		K172	
Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer, (including sludges that result from commingled EDC or VCM wastewater and other wastewater), unless the sludges meet certain disposal conditions. (See 40 CFR 261.32)						1		K174	
Wastewater treatment sludges from the production vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process (See 40 CFR 261.32)						1		K175	
Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g., antimony metal or crude antimony oxide)						1		K176	
Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates (e.g., antimony metal or crude antimony oxide)						5000		K177	
Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process								K178	
Non-wastewaters generated from the production of certain dyes, pigments, and FD&C colorants, exceeding constituent mass loading levels, subject to disposal exceptions in 40 CFR 261.32						1*		K181	
Unlisted hazardous wastes characteristic of ignitability						100		D001	

Unlisted hazardous wastes characteristic of corrosivity						100		D002	
Unlisted hazardous wastes characteristic of reactivity						100		D003	
Unlisted hazardous wastes characteristic of toxicity:									
Arsenic						1		D004	
Barium						1,000		D005	
Cadmium						10		D006	
Chromium						10		D007	
Lead						10		D008	
Mercury						1		D009	
Selenium						10		D010	
Silver						1		D011	
Endrin						1		D012	
Lindane						1		D013	
Methoxychlor						1		D014	
Toxaphene						1		D015	
2,4-D						100		D016	
2,4,5-TP						100		D017	
Benzene						10		D018	
Carbon tetrachloride						10		D019	
Chlordane						1		D020	
Chlorobenzene						100		D021	
Chloroform						10		D022	
o-Cresol						100		D023	
m-Cresol						100		D024	
p-Cresol						100		D025	
Cresol						100		D026	
1,4-Dichlorobenzene						100		D027	
1,2-Dichloroethane						100		D028	
1,1-Dichloroethylene						100		D029	
2,4-Dinitrotoluene						10		D030	
Heptachlor (and epoxide)						1		D031	
Hexachlorobenzene						10		D032	
Hexachlorobutadiene						1		D033	

Hexachloroethane						100		D034	
Methyl ethyl ketone						5,000		D035	
Nitrobenzene						1,000		D036	
Pentachlorophenol						10		D037	
Pyridine						1,000		D038	
Tetrachloroethylene						100		D039	
Trichloroethylene						100		D040	
2,4,5-Trichlorophenol						10		D041	
2,4,6-Trichlorophenol						10		D042	
Vinyl chloride						1		D043	

CHAPTER SEVEN
Planning Requirements

Section 303 of SARA Title III requires that Local Emergency Planning Committees (LEPCs) develop a comprehensive emergency response plan. The law lists nine elements that, at a minimum, must be included in this plan.

In Michigan a two-phased approach to planning is used:

- The LEPC should coordinate its planning with the existing Emergency Operations Plan/ Emergency Action Guideline (EOP/EAG) maintained by the local emergency management coordinator. Of the required elements, those common to all sites should be included in the emergency operations plan.
- The LEPC should develop off-site procedures for each facility to address the required elements that are unique to each site and work with the local emergency management coordinator to make sure that all the off-site community response plans developed by the LEPC are incorporated into the local jurisdiction's EOP.

LEPC Tasks

- Develop a good working relationship between the LEPC and the local fire departments. The local fire departments have similar planning responsibilities under the Michigan Firefighter Right-To-Know Law and MIOSHA, Hazardous Waste Operations and Emergency Response (HAZWOPER) regulations. They have already collected much information about the hazards in the community.
- Develop a good working relationship between the LEPC and local emergency management coordinators. Every county and certain municipal governments have appointed local emergency management coordinators. The LEPC should work in conjunction with the emergency management office. A list of these coordinators is available through the MSP/EMHSD. The local coordinator is responsible for the development of the local EOP/EAG--the document the LEPC needs to build on in accomplishing its planning responsibilities. As with the fire departments, the local coordinator has already compiled much information about the hazards in the community and its response procedures. The LEPC should also coordinate with the local emergency management office on exercises.
- Develop a good working relationship with the facility coordinators. Each site for which planning is necessary is required to name a facility coordinator. These persons are obligated to participate in the planning process. They must inform the LEPC of any changes occurring at the facility and provide information that the LEPC requests as necessary for developing and implementing the plan.
- The LEPC should be familiar with existing local resources and expertise. This should entail gathering information from the emergency management coordinator, local health department, fire departments, industrial groups, hospitals and emergency medical services (EMS) organizations and hazardous materials response teams. The LEPC needs to have a good background on local hazardous materials incident response capabilities before the development of procedures can take place. In addition, the LEPC should be informed on the response procedures of state and federal agencies.
- The local emergency management coordinator is responsible for maintaining a comprehensive list of resources in the community. The LEPC should review this list and make suggestions for revisions. Based on the information acquired to evaluate the need for additional resources, the LEPC should recommend a means for providing suggestions for revisions to the list of community resources. The resource list should also contain sources of other resources that are not necessarily available in the community, but which may be needed during a response. Once the LEPC has reviewed the resource list, it must decide the best place to list resources. The LEPC can simply reference the resource list itself, if they feel it adequately meets the responders'

- needs; or the LEPC may choose to insert a specific list in each site-specific procedure it develops.
- Review and suggest revisions, if necessary, to the EOP/EAG for the jurisdiction. The local emergency management coordinator should have developed a hazardous materials incident response Section within the community's EOP/EAG. The LEPC should review this section, suggest revisions as necessary, and develop the site-specific procedures based on the general policy found in the EOP/EAG. It is the local emergency management coordinator's responsibility to keep the EOP/EAG up to date.
- SARA Title III, Section 302 active site, requires that facilities with one or more EHS above a certain threshold amount make notification to the MCCERCC. The DEQ maintains this listing for the MCCERCC. The list is updated continuously as new sites are added and previously listed sites are removed. The LEPC should contact the DEQ if it is aware of errors or omissions. All facilities, farms, private industry, and sites owned by public agencies are subject to this reporting requirement. These are the facilities for which the LEPC must develop off-site procedures. Current site lists of active facilities may be obtained through the DEQ.
- The LEPC should acquire information from local fire departments prior to creating any emergency response plans. Each fire department is required to perform a survey of each site in the community at which chemicals are located. The LEPC should look at these surveys and evaluate the Section 302 sites. They should use this information for preliminary planning. The LEPC will need additional information and can develop their own survey form to send to facilities in the community. Sites containing an EHS are high priority planning sites for which LEPC planning is required.
- Develop a standard form seeking additional information needed by the LEPC to complete planning requirements. The LEPC may choose to develop one form for industrial sites and a second for farms. A sample questionnaire is included in this chapter. The LEPC has the authority to request any information it feels it needs in accomplishing its duties. This is authorized in SARA Title III, Section 303 (d), if a facility declines to voluntarily provide the information requested, legal action may be taken against the facility.
- LEPCs should send out questionnaires to facilities that require a comprehensive community emergency response plan. The MSP/EMHSD or DEQ may provide the most current list of active facilities within a jurisdiction.
- Using the fire department surveys and other knowledge of the community to identify other facilities that may be subject to the reporting requirements. The LEPC can make direct contact with these facilities. A facility may be unaware of its reporting requirements under SARA Title III, Section 302. Where there are farms that may have EHSs on-site, the Michigan State University Extension program and the Michigan Department of Agriculture and Rural Development (MDARD), may provide farmers guidance on emergency planning for the farm. The MSU Extension Bulleting E-2575 is intended for use in developing farm plans and can be found online at www.michigan.gov/MDARD (go to the Consumer Information page).
- The LEPC, in conjunction with the local emergency management office, should perform a vulnerability analysis for each facility.
- Once a vulnerability analysis has been completed for each facility, the LEPC should study the results and rank the facilities, starting with the one that poses the greatest risk to public health and safety. One facility should be identified as the first facility for which an off-site, site-specific procedure will be developed. Ideally, this should be the facility that poses the greatest threat.
- At a minimum, the fire chief of the jurisdiction in which the site is located, the facility emergency coordinator, and the local emergency management coordinator should be involved with the LEPC in developing the site-specific procedure. It is also recommended to call on the chief executive of the jurisdiction to brief this person on the project and gain support.
- The MSP/EMHSD publication EMD-076 contains plan standards and is available online at www.michigan.gov/EMHSD, or upon request to the MSP/EMHSD. The MCCERCC is required to review all plans that are developed.

- The MSP/EMHSD has established a site plan template for LEPCs, local emergency management officials, and fire departments to use as a starting point for creating SARA Title III plans. See Appendix B for this template. The template may also be found online at www.michigan.gov/EMHSD; select "hazardous materials." The LEPC should decide on content and format and proceed accordingly.
- The LEPC may establish their own bylaws regarding the creation of site-specific procedures. The LEPC may divide into subcommittees and assign a portion of the procedure to each subcommittee, or assign one person to write the plan with review and revision privileges retained by the LEPC. The intent of the law is to have all parties who may be involved in the response participate in the writing of the plan.
- The law requires that procedures be included for coordinating with other jurisdictions when the vulnerability zone overlaps jurisdictional boundaries. The LEPC should hold a joint meeting with another LEPC to address issues of direction and control, and protective action orders for facilities with planning zones that overlap jurisdictions.
- The facility, the LEPC, local emergency management office, and emergency responders conduct an exercise after a plan has been developed for a specific site.
- The site-specific procedure should be signed by several parties who would be responsible for responding to an incident at the site. This signifies that these persons have participated in the plan's development and, more importantly, that they agree with the procedures contained within it.
- When the LEPC completes the offsite Emergency Response Plan, they must submit the plan to the MCCERCC through the local emergency management office. This is accomplished by using the plan submittal sheet, the MSP/EMHSD form EMD-076. The district coordinator reviews the plan with emphasis on the EOP/EAG references. The district coordinator then forwards the plan to the MSP/EMHSD for further review of the site-specific procedure. The MCCERCC reviews and may comment on plans, but the MCCERCC has no authority to "approve" plans.
- The LEPC should consider the comments as helpful tools for improving its plan. It can incorporate changes to the plan immediately or wait until the next annual review cycle.
- Section 303 (a) of SARA Title III requires the LEPC to review its plans annually, or more frequently if changes occur. It is recommended, at a minimum, that the LEPC annually review the EOP/EAG guidelines that incorporate the LEPC's off-site community response plan(s). This should be done with the emergency management coordinator, fire chief, and facility emergency coordinator. Suggested changes can then be included in the EOP/EAG and/or the site-specific procedures.
- The LEPC must publish a notice of meeting dates, time, and location at which the plan(s) may be reviewed and feedback given. The LEPC should incorporate comments from these sources into the plan. All LEPC meetings are subject to the Open Meetings Act.

CHAPTER EIGHT
Other Planning Requirements

There are three other related laws dealing with hazardous materials planning. They are:

- The Michigan Emergency Management Act;
- The Michigan Firefighter Right-to-Know Act; and
- The MIOSHA, HAZWOPER rules.

The Michigan Emergency Management Act, Public Act 390, of 1976, as amended by Public Act 90, of 1990, has the following provisions as it relates to emergency planning:

- Each county, and municipalities of 25,000 or more in population, must appoint an emergency management coordinator who is responsible for coordinating all-hazard mitigation, preparedness, response, and recovery in the jurisdiction. Municipalities of 10,000 or more population may appoint a coordinator.
- In order to be eligible for disaster contingency fund aid, the jurisdiction must have a current and adequate emergency operations plan. This plan includes a section on hazardous materials incident response.
- The law contains numerous other provisions for declaring state and local states of emergency, local and state emergency powers of chief executives, and procedures for disaster assessment and response. In order to obtain a copy of this act, contact the MSP/EMHSD.
- Other applicable MIOSHA regulations that LEPCs could consider, such as Hazard Communication and Hazardous Waste Operation and Emergency Response, can be found on the MIOSHA Section of the Department of Licensing and Regulatory Affairs (LARA) website, www.michigan.gov/MIOSHA.

The attached Fire Marshal Bulletin 9 describes the Firefighter Right-to-Know and HAZWOPER laws.

LEPC Tasks

- Become familiar with each of these laws.
- Work with fire departments to share information and assist each other in similar planning responsibilities.
- Coordinate with emergency management coordinators appointed within the LEPC emergency planning district. Share information and assist each other in formulating hazardous materials response procedures.

Department of Energy, Labor and Economic Growth
Bureau of Fire Services

Fire Marshal Bulletin – 9

Fire Department Hazardous Material Emergency Planning Responsibilities

This document replaces, expands, and provides in one document a summary of the three requirements regarding emergency planning for a hazardous material incident. This bulletin was jointly developed by the Department of State Police, and former Departments of Labor and Public Health in 1987 and was revised in 1994 as a result of an Attorney General Opinion.

The three emergency planning requirements that fire departments and/or the communities they serve must meet are: 1) Firefighter Right-to-Know, 2) HAZWOPER, and 3) Superfund Amendments and Reauthorization Act (SARA) Title III.

Each of these requirements is explained in detail below.

A. Firefighter Right-to-Know

Background:

Section 14i of Act 154, as amended, the Michigan Occupational Safety and Health Act requires that the chief of an organized fire department prepare and disseminate to each firefighter a plan for executing the department's responsibilities with respect to each site within their jurisdiction where hazardous chemicals are used or produced. There are no exemptions based on the quantity of chemical at the site. The purpose of this act is to ensure firefighter safety.

The administration and enforcement of this provision is under the jurisdiction of the Department of Energy, Labor and Economic Growth (DELEG), Michigan Occupational Safety and Health Administration (MIOSHA), General Industry Safety Division (GISHD), 517 322-1831.

Section 5p of the Michigan Fire Prevention Code (Act 207, as amended) requires that a firm handling of hazardous chemicals provides the following information upon request of the fire chief:

- A list of the hazardous chemicals on-site and a SDS for each chemical on the list. A description of the quantity and location of any hazardous chemical specified by the fire chief after a review of the list.

Steps for Implementation:

1. As a first step, the fire chief surveys all sites within the fire jurisdiction which may have hazardous chemicals on-site. The purpose of the survey is to gather information on the chemicals at each site and to determine whether the site uses or produces hazardous chemicals. The survey is used as a tool for gathering the information the chief is authorized to obtain under Act 207, as described above. A suggested letter which the chief may send to each site, along with the survey form, is included as Attachment A. The survey form is included as Attachment B. Site location information, mailing addresses, etc., may be obtained from tax rolls, building inspectors, etc.
2. The survey form lists the chemical types and specifies quantities for each. Even though a plan is required at a site which uses or produces hazardous chemicals, regardless of quantity, the quantities at a site will determine if a site-specific plan must be developed or if the site can be addressed in a general plan. This is explained in further detail below.

3. The fire chief must make every effort to obtain completed surveys from each site. If a site refuses to cooperate, the chief should follow up with a second letter of request. A sample follow up letter is included as Attachment C.
4. If the site continues to be uncooperative, the chief may refer the case to the Department of Labor and Economic Growth, MIOSHA. The referral form to be used by the fire chief is included as Attachment D. MIOSHA may cite the location for failure to be in compliance with the MIOSHA Hazard Communication Standard.
5. The fire chief should keep a copy of each completed survey, even those returned showing that few or no hazardous chemicals are present at the site. In addition, the chief must keep a file of "no responses" and a file of the follow up correspondence written in an attempt to obtain a response.
6. The fire chief should have surveys on file that are not older than five years. Sites are requested to update their survey form as conditions change on the site. However, if no update has been submitted within the last five years, the chief must solicit an updated survey. Current information must be kept on file to fulfill the requirements of the law.
7. In addition, the fire chief must survey new or changed sites (change of ownership, expanded, conducting new business, etc.) as they occur. Information on new sites and additions to sites may be obtained with the assistance of the building inspector, zoning authority, tax rolls, etc.
8. When the surveys are returned, the fire chief must first separate those sites which use or produce hazardous chemicals from all others. These are the sites for which a plan (either site-specific or general) is required.
9. The chief must further separate the user and producer sites according to hazardous chemical quantity. For those sites which use or produce hazardous chemicals at or above the specified quantities, the fire chief must develop a site-specific plan. See number 10 below. Other sites with hazardous chemicals under the specified quantities can be addressed by a general plan. See number 11 below.
10. For those sites which use or produce hazardous chemicals at or above the specified quantities, the fire chief must develop a site-specific plan. This should be the chief's planning priority. To comply with the Firefighter Right-to-Know requirements:
    a. Develop a site-specific plan for each site. See Attachment E for the list of planning elements which should be included in this plan.
    b. Obtain more detailed information about each site, as necessary, to address the elements in Attachment E. (The survey form is used to determine the sites for which site-specific plans are necessary. Now additional information needs to be obtained for planning purposes.) The chief may request additional information under the authority of Act 207 as described above in the introduction. The chief may also use the information which is provided through the Superfund Amendments and Reauthorization Act (SARA) Title III reporting requirements. (See Section C.)
    c. The MSP/EMHSD publication 308, Guidance for Community Hazmat Response Plans, contains worksheets which may be used in developing site-specific plans. Refer to Attachment F for a matrix of the planning elements cross referenced to pages in the workbook. Copies of this workbook are available through Local Emergency Planning Committees (LEPCs) or the MSP/EMHSD (See Section C.)
    d. The fire chief should work with the Local Emergency Planning Committees (LEPCs) which exist within each county and in many larger municipalities. The LEPC must develop hazardous material emergency response plans for certain sites. The fire chief and the LEPC should cooperate in the development of these plans. Appropriate portions of these plans as listed in Attachment F will satisfy the Firefighter Right-to-Know requirements. (See Section C for more information on LEPC requirements.)
    e. Inform all firefighters of the existence of the Firefighter Right-To Know plans and their location. Make them available upon request.
    f. Train all potentially affected firefighters in the procedures developed for responding to the specific site. These procedures should have been developed in conjunction with site personnel and commensurate with the level of training accomplished by firefighters. In addition, the fire chief should be aware that there are other firefighter training

requirements in MIOSHA Safety Standards Parts 73 and 74 (Firefighting) and MIOSHA Hazardous Waste Operations and Emergency Response Standard (HAZWOPER).

11. The fire chief can incorporate those sites which use or produce hazardous chemicals below the specified quantities into a general plan. To comply with the Firefighter Right-to-Know requirements:
    a. Maintain a current copy of all survey forms in a systematic manner.
    b. Inform firefighters of the existence of these forms and their location. Make them available upon request.
    c. Train firefighters for initial operational response, informing them of procedures found in the DOT Emergency Response Guidebook or other response plan the community has developed. In addition, the fire chief should be aware that there are other firefighter training requirements in MIOSHA Safety Standard Parts 73 and 74 (Firefighting) and MIOSHA HAZWOPER.
12. If a hazardous material response team is called in through a mutual aid agreement, the host fire district is obligated to provide site information to the team while en route or upon arrival at the scene. Plans do not need to be distributed to mutual aid agencies prior to response.
13. Through these steps, the fire chief has developed a plan (either general or site-specific) for those sites which use or produce hazardous chemicals as required by law. The other survey forms which show that the site is neither a user nor a producer must be retained as evidence of response. They may also be used for other local planning needs as the chief sees fit.
14. The preceding steps show how to comply with the Michigan Firefighter Right-to-Know law. (See Attachment G for a flow chart of this process.) It is not mandatory that these steps be followed. The fire chief may choose another method to comply. However, all of the elements discussed above must be included in Firefighter Right-to-Know plans.

B. MIOSHA Hazardous Waste Operations and Emergency Response (HAZWOPER)

Background:

Since the enactment of the Firefighters Right-to-Know legislation, which was described above, the state and federal governments have also promulgated rules to ensure firefighter and other emergency responder safety. The SARA Title II requires the OSHA to promulgate rules governing employer emergency planning and training for hazardous material responders. Federal OSHA final rule 29 CFR 1910.120 was promulgated in March 1990. Since Michigan is a state plan state, MIOSHA must also promulgate rules which are at least as strict as the federal rule. These Michigan regulations became effective October 31, 1991. They mirror the federal rule. The enforcement of this requirement is handled by DELEG, MIOSHA, GISHD (517) 322-1831. Part of this rule requires employers to train all employees who may encounter or respond to a hazardous material incident. Certain levels of training are required depending upon the anticipated level of involvement. A uniform training curriculum has been developed and is being offered statewide. Information on these training requirements is not within the scope of this Bulletin. Contact the DELEG, MIOSHA, GISHD for more information on this topic.

The following is a summary of the planning requirements.

Steps for Implementation:

1. The rules state that any employer who may involve its personnel in a hazardous material incident must develop an emergency response plan.
2. See Attachment E for the list of planning elements which must be included in the MIOSHA plan.
3. The plan required under the MIOSHA rules and the plan required under Firefighter Right-to-Know requirements described above in Section A are both to ensure emergency responder safety. Therefore, one plan for each site can be developed to satisfy both requirements, assuming the required planning elements are included.
4. Some elements that are required in MIOSHA plans are generic and do not need to be included in site-specific plans. These general planning elements should be included in the department's

internal standard operating procedures. Internal procedures should include detailed incident command system information, information on decontamination, use of personal protective gear, etc.

5. Site-specific plans and procedures must be available to firefighters through CAMEO, or some other computer or microfiche system, or they must be available in a hard copy file at the workstation.
6. The Michigan State Police, Emergency Management and Homeland Security Division's Planning Guidance, described above in Section A, may be used in developing site-specific plans. Refer to Attachment F for a matrix of the planning items cross referenced to pages in the workbook.

C. Superfund Amendments and Reauthorization Act (SARA) Title III

Background:

SARA Title III federal legislation mandates that Local Emergency Planning Committees (LEPCs) be established by a state commission. The LEPC must be made up of a number of community organizations, including the fire service. These LEPCs are required to develop site-specific emergency response plans for those sites within their jurisdiction which have one or more "extremely hazardous substance" above a given threshold quantity. These plans are population protection oriented. The law states that the site owner must cooperate in the development of the plans by appointing a facility emergency coordinator and providing any information the LEPC deems is necessary in order to fulfill its planning responsibilities. Another part of the law requires the reporting of chemical inventories and the submission of SDSs to fire departments and LEPCs. Emergency release notification requirements are also part of the law, as well as community right-to-know provisions.

In Michigan, the Department of Environmental Quality (DEQ) manages the reporting and notification requirements of SARA Title III. The Department of State Police, Emergency Management and Homeland Security Division, manages the planning elements of the law and chairs the State Emergency Response Commission (SERC), otherwise known as the Michigan Citizens Community Emergency Response Coordinating Council (MCCERCC). The MCCERCC appoints LEPC members who are recommended by their local jurisdiction. For more information on SARA Title III, contact the Department of Environmental Quality, Michigan SARA Title III Program at 517-284-7272 or the Department of State Police, Emergency Management and Homeland Security Division at 517-284-3745.

Steps for Implementation:

1. The fire chief of the department which has jurisdiction over the site should participate with the LEPC in the development of these site-specific standard operating procedures.
2. See Attachment E for the list of planning elements which must be included in the LEPC plan.
3. By completing these procedures and distributing appropriate portions to firefighters, the chief's firefighter safety requirements, as described under Sections A and B above, are partially satisfied. (Internal procedures and training must still be completed to fully satisfy firefighter safety requirements.)
4. The Michigan State Police, Emergency Management and Homeland Security Division's guidance, described above was developed to assist LEPCs in developing these site-specific plans. These workbooks have been distributed to LEPCs. See Attachment F for a matrix of planning items cross referenced to pages in the workbook.
5. The site-specific plans should be considered part of the all-hazard Emergency Operations Plan developed for each jurisdiction. The Emergency Operations Plan should reflect the overall policy the jurisdiction will follow in responding to an incident. All other plans and procedures should be consistent with the Emergency Operations Plan. The Emergency Management Coordinator for each jurisdiction maintains this plan.
6. The Emergency Management Coordinator appointed for each jurisdiction is also part of the LEPC and is responsible for assisting in the development of the off-site response plans.

Conclusion:

There are three emergency planning requirements: Firefighter Right-to-Know, MIOSHA rules, and SARA Title III. Each of these has been explained in the Sections above. Each requires that specific items be included in plans. However, many of the required planning elements are similar or duplicated. Attachment E provides a specific listing of planning elements required under each law for informational purposes. Attachment F is a summary of the required items cross referenced to a page in the workbook on how to satisfy that item.

The fire chief can meet these requirements by developing the following documents and ensuring the required planning elements are incorporated:

1. Site-specific firefighter safety plans for all sites within the fire district which use or produce hazardous chemicals at or above the quantity specified on the survey form.
2. Good internal standard operating procedures for the department.
3. Participate with the Local Emergency Planning Committee (LEPC) in the development and completion of site-specific procedures for Title III sites.
4. Ensure that all plans are consistent with the overall policy for responding to a hazardous material incident as described in the jurisdiction's Emergency Operations Plan.
5. Retain on file a copy of the survey form for all other sites.

For additional information or questions, contact the Bureau of Fire Services
517- 241-8847

Please be advised as a recipient of State Fire Marshal Bulletins, you are free to treat the contents as news release in your name to the local news media or any other means of circulation.

Attachment A
Bulletin 9 – Fire Department Hazardous Material
Emergency Planning Responsibilities (Rev. 9-09)

Date: _____

Firm Name: _____

Address: _____

_____

Dear Facility Owner/Operator:

Section 14i of the Michigan Occupational Safety and Health Act, Act No. 154 of the Public Acts of 1974, as amended, requires that each fire chief prepare and disseminate to each firefighter information on facilities within their jurisdiction that use or produce hazardous chemicals.

The Michigan Fire Prevention Code, Act No. 207, P. A. of 1941, as amended, requires that any firm handling hazardous chemicals provide information to the fire chief upon request. This allows the fire department to gather information on each chemical so that the requirements of Act No. 154 can be met.

To assist our department in fulfilling its responsibilities under Act No. 154, we are requesting that you complete the enclosed survey. If your firm does not use or produce any hazardous chemicals (see attached definitions), you still need to complete the form. This information can be beneficial to you and your firefighting personnel when responding to a fire or other emergency at your facility.

If the information you provide indicates that your firm is a user or producer of hazardous chemicals and the chemicals on-site meet or exceed the specified quantities, we will be contacting you for further information. This may include safety data sheets (SDS); a listing of the hazardous chemicals by name, along with the greatest amount that may be located on-site at one time; and the actual locations of the chemicals at your facility.

Please complete the survey and forward to *(insert your department's address)* within ten days. All surveys, including negative responses, will be kept on file for future use and to satisfy Act No. 154 requirements. If there is a change concerning the use, production or quantity of hazardous chemicals at your firm in the future, please contact this department so that we may update our files.

If you have any questions, please contact *(insert name of department's contact)* at *(insert department's phone number)*. Thank you for your cooperation.

_____

Fire Chief

_____

Fire Department

Chemical Survey

Information: This survey is requested to determine the quantity of specific chemical groups used, produced or stored in your facility. Fire Chiefs are required to collect chemical data under the Michigan Occupational Safety and Health Act, PA 154 of 1974, as amended, and the Fire Prevention Code, PA 207 of 1941, as amended.

Instructions: Indicate below whether your site uses or produces any of the chemical types listed. Check all the categories that apply when a chemical has more than one characteristic, (example: both a Class 3 flammable and a Class 6 poison), see definitions. Each chemical group listed in this survey includes a specified quantity. Indicate the quantity category for each chemical group on your site. To complete this survey, you may need to reference Safety Data Sheets, SARA Title III reporting forms, along with the attached definitions.

(Note: You must complete each line. Do not leave blanks. If you do not use a chemical group listed, mark "DO NOT HAVE" box.)

When substantial changes occur in the quantity or type of chemical use, manufacture or related storage, a revised survey must be submitted to the Fire Chief. In addition, a revised survey will be requested periodically as the Fire Chief determines necessary, but a least once every five years.

This survey may be followed-up with a request for more detailed information. This may include a request for SDS's, chemical lists maintained under the Employee Right to Know provisions of MIOSHA and other information.

Please return this questionnaire as indicated in the attached cover letter.

This site is: (please circle one)

Chemical User – (Chemicals used in activities on-site)

Chemical Producer – (Chemicals manufactured at this site, includes packaging)

Other – Circle this box if chemicals are stored on-site, but not used or produced. Please Specify (Examples: service station, retail store, storage facility)

	Date Completed: _____

Name of Premises:	_____
Site Address:	_____
	_____
	_____
	_____
Site Telephone:	_____

Emergency Contacts: (Include Private Alarm/Security Companies)		
Name/Title	**Business Telephone**	**Home Number**
.	.	.
.	.	.
.	.	.
.	.	.

Respond based on the maximum quantity you would have on-site, including storage, at any one time during the year.

Check 1 Box for Each Category				
Chemical type	**Specified quantity**	**Have at or Above Specified Quantity**	**Have but Below Specified Quantity**	**Do Not Have**
Class 1				
Explosives & Blasting Agents (Not including Class C Explosives)	Any Quantity			
Class 2				
Poison Gas	Any Quantity			
Flammable Gas	100 gal. water capacity			
Non-Flammable Gas	100 gal. water capacity			
Class 3				
Flammable Liquid	1,000 gallons			
Combustible Liquid	10,000 gallons			

Class 4				
Flammable Solid (Dangerous when wet)	100 lbs.			
Flammable Solid	500 lbs.			
Spontaneously Combustible Material	100 lbs.			
Class 5				
Oxidizer	500 lbs.			
Organic Peroxide	250 lbs.			
Class 6				
Poison	500 lbs.			
Irritating Material: Liquid	1,000 gal.			
Irritating Material: Solid	500 lbs.			
Class 7				
Radioactive Material (Yellow III Label)	Any Quantity			
Class 8				
Corrosives: Liquid	1,000 gal.			
Corrosives: Solid	500 lbs.			
No DOT Category				
Known Human Carcinogen	Any Category			

Please return within ten days to the official indicated in the cover letter attached to this survey.

HAZARDOUS CHEMICAL DEFINITIONS

Carcinogen – A chemical is considered to be a carcinogen if: 1) it has been evaluated by the International Agency for Research on Cancer (IARC) and found to be a carcinogen or potential carcinogen; or 2) it is listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP) (latest edition), or 3) it is regulated by OSHA as a carcinogen.

Combustible liquid – Any liquid having a flashpoint at or above 100 degrees F (37.8 degrees C), but below 300 degrees F (93.3 degrees C), except any mixture having components with flashpoints of 200 degrees F (93.3 degrees C), or higher, the total volume of which make up 99 percent or more of the volume of the mixture.

Corrosives - liquid and solid – Any liquid or solid that causes visible destruction or irreversible damage to human skin tissue. Also, it may be a liquid that has a severe corrosion rate on steel.

Explosives and blasting agent – (not including Class C explosives) – "Explosive" means a chemical that causes a sudden, almost instantaneous release of pressure, gas, and heat when subjected to sudden shock, pressure, or high temperature. "Blasting Agent" means a material designed for blasting. It must be so insensitive that there is very little probability of: 1) accidental explosion, or 2) going from burning to detonation.

Flammable liquid – Any liquid having a flashpoint below 100 degrees F (37.8 degrees C), except any mixture having components with flashpoints of 100 degrees F (37.8 degrees C) or higher, the total of which makes up 99 percent or more of the total volume of the mixture.

Flammable gas – A gas that can burn with the evolution of heat and a flame. Flammable compressed gas is any compressed gas of which: 1) a mixture of 13 percent or less (by volume) with air is flammable, or 2) the flammable range with air is under 12 percent.

Flammable solid – A solid, other than a blasting agent, or explosive, that is liable to cause fire through friction, absorption or moisture, spontaneous chemical change, or retained heat from manufacturing or processing, or which can be ignited readily and when ignited burns so vigorously and persistently as to create a serious hazard.

Flammable solid (dangerous when wet) – Water Reactive Material (Solid) - Any solid substance (including sludges and pastes) which react with water by igniting or giving off dangerous quantities of flammable or toxic gases. (Sec.171.8)

Irritating material - liquid and solid – A liquid or solid substance which, upon contact with fire or air, gives off dangerous or intensely irritating fumes.

Non-flammable gas – Any compressed gas other than a flammable compressed gas.

Organic peroxide – An organic compound that contains the bivalent -0-0 structure and may be considered a structural derivative of hydrogen peroxide where one or both of the hydrogen atoms has been replaced by an organic radical.

Oxidizer – A chemical that initiates or promotes combustion in other materials, thereby causing fire either of itself or through the release of oxygen or other gases. Example being: chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily.

Poison – Less dangerous poisons, toxic - substances, liquid or solids (including pastes and semi-solids) so toxic to man that they are a hazard to health during transportation.

Poison gas – Extremely dangerous poisons, highly toxic poisonous gases or liquids - a very small amount of the gas, or vapor of the liquid, mixed with air is dangerous to life.

Radioactive material (yellow 111 label) - Any material, or combination of materials, that spontaneously gives off ionizing radiation.

Spontaneously combustible material – (Solid) A solid substance (including sludges and pastes) which may undergo spontaneous heating or self-burning under normal transportation conditions. These materials may increase in temperature and ignite when exposed to air.

Attachment C
Bulletin 9 – Fire Department Hazardous Material
Emergency Planning Responsibilities (Rev. 9-09)

Firm Name	_____	Date_____
Address	_____	
	_____	
	_____	

Second Request

Dear Facility Owner/Operator:

The attached survey has been previously sent to your firm. To date we have not received a completed form. Please complete the survey as accurately as possible and return it to my office within ten days. Note that you must complete and return the survey even if you respond "do not have" to all categories.

Fire Chiefs are required to collect chemical data under the Michigan Occupational Safety and Health Act, P. A. 154 of 1974, as amended, and the Fire Prevention Code, P.A . 207 of 1941, as amended. The information to complete this form should be readily available from your firm's records and materials you maintain for your Employee Right-to-Know Program as required by Act 154.

The requested information will be used to assure our firefighters are prepared for any chemical hazards they may encounter if called to your facility. It will result in increased safety for our firefighters and better fire protection for your firm.

Failure to respond to this survey may result in a referral to the Michigan Occupational Safety and Health Administration (MIOSHA) for follow-up action. A comprehensive hazard communication program is required by Act 154. If you have been unable to obtain Safety Data Sheet for chemicals used at your facility, you may contact MIOSHA for assistance.

Thank you.

_____

Fire Chief

_____

Fire Department

Attachment D
Bulletin 9 – Fire Department Hazardous Material
Emergency Planning Responsibilities (Rev. 9-09)

Hazardous Chemical Referral to:
Michigan Department of Energy, Labor, & Economic Growth
Michigan Occupational Safety & Health Administration
General Industry Safety Division
7150 Harris Drive
P.O. Box 30643
Lansing, Michigan 48909-8143

Referral From (Fire Department Name)		
Street Address, City, Zip Code		
PLEASE COMPLETE AS MUCH INFORMATION AS POSSIBLE		
Name of Employer Firm Telephone No.		
Job Site Street Address, City, Zip		
Nature of Business	SIC #	No. Of Employees
Location of Hazard If Known (Building, Floor, Dept. No., Section)		
Contact Person Title		
Exposure in Question (describe contaminant or hazards suspected)		
Remarks		
Has the firm been informed that this referral is being made? (Please circle one) Yes No		
Investigation Results and Action Taken (to be used by MIOSHA to respond to your referral)		

_____
Signature

Attachment E
Bulletin 9 – Fire Department Hazardous Material
Emergency Planning Responsibilities (Rev. 9-09)

REQUIRED PLANNING ELEMENTS

Firefighter Right-to-Know

Each site-specific plan should include the following:

1. An emergency call list.
2. A site map. (For large sites it may be necessary to have a map for particular sections, in addition to a general map.)
3. A list of chemicals on-site and their quantities.
4. A response data information sheet listing specific information about each chemical.
5. Specific response procedures for the site.
6. A description of the training necessary for responding to an incident at the site.

MIOSHA HAZWOPER

This plan must include the following:

1. Planning and coordination with outside parties.
2. Personnel roles, lines of authority, and communication.
3. Emergency recognition and prevention.
4. Safe distances and places of refuge.
5. Site security and control.
6. Evacuation routes and procedures.
7. Decontamination procedures.
8. Emergency medical treatment and first aid.
9. Emergency alerting and response procedures.
10. Critique of response and follow-up.
11. Personal protection equipment and emergency equipment.

SARA Title III

The LEPC plan must include the following (as summarized):

1. Identification of facilities subject to the emergency planning requirements and identification of transportation routes likely to be used in transporting hazardous substances.
2. Methods and procedures to be followed by facility owners and local responders.
3. Designation of a facility emergency coordinator and a community emergency coordinator.
4. Procedures for providing notification by the facility and the community emergency coordinator to emergency personnel and the public.
5. Methods for determining the occurrence of a release and the area likely to be affected.
6. A description of emergency equipment and facilities in the community and at the facility.
7. Evacuation plans.
8. Training programs.
9. Methods and schedules for exercising the plan.

CHAPTER NINE
Community Right-To-Know Requirements

SARA Title III requires several actions to encourage public involvement. These include:

- Development of written procedures for receiving and processing public requests for information in accordance with the federal law regarding public access to SARA information under EPCRA.
- Hold a public meeting that complies with the Open Meetings Act and Americans with Disabilities Act to discuss the making of the emergency response plan(s) and facility report(s).
- Appoint an information coordinator. At a minimum, this person will be responsible for filing all Section 302, 304, 311, and 312 reports and for making these available upon request. This person could also fulfill the larger role of coordinating all public outreach activities initiated by the LEPC, as identified below under additional optional tasks.
- Ensure that the LEPC bylaws, which are required to contain the following, are carried out: Provisions for public notification of committee activities; public meetings to discuss the emergency plan; public comments; response to such comments by the committee; and distribution of the emergency plan.
- Fulfill requests from the public for SDSs (Section 311). If the facility has only submitted a list of chemicals, the LEPC must request, obtain, and provide an SDS from the facility.
- Ensure a system is in place for handling confidential facility information.
- Make sure the emergency release notifications are logged and available for public distribution.
- Ensure that all plans, reporting forms, and emergency release follow-up notices are available for public review at a designated location.

Optional LEPC Tasks:

- Develop an informational packet for all businesses and industries in the community describing the provisions of the law.
- Develop an informational packet for all farms in the community describing the provisions of the law.
- Form neighborhood “citizen action committees” around each Section 302 facility for which emergency planning is necessary and involve this group in the development of the site-specific procedures.
- Speak at various service groups and other association meetings about SARA Title III and the LEPC's activities.
- Develop publications for residents outlining the hazards in the community and the provisions contained in the emergency plan, including expected public actions.
- Conduct media outreach describing the LEPC, its function, and the actions the public should take in the event of an emergency.
- Hold a "Hazardous Materials Awareness Week" and set up displays in malls, schools, etc.; issue press releases; invite the public to view a response exercise at a facility.
- Hold a facility coordinator’s conference.
- Hold a conference of potentially affected institutions (schools, hospitals, factories, stadiums, etc.) located within the vulnerable zone of 302 facilities.
- Maintain a LEPC website, social media account, and publish contact information in a public place.

CHAPTER TEN
Training

This chapter provides information on:

- Training for LEPC members and emergency first responders within their community, within Michigan, and outside Michigan.
- The MSP/EMHSD offers courses for members of an LEPC, first responders, and others at the Michigan State Police, Emergency Management and Homeland Security Training Center (EMHSTC). For more information, refer to the course schedule available online at www.mi.train.org.
- Federal training opportunities are available for LEPC members and emergency first responders through the National Domestic Preparedness Consortium (NDPC) at www.ndpc.us and the Emergency Management Institute at http://training.fema.gov.
- The MSP/EMHSD is available for on-site briefings, if requested. Contact the MSP/EMHSD to schedule a time.

Training Requirements for Emergency Responders

- Training for emergency responders must comply with state and federal standards. SARA Title I require the OSHA to make known rules governing employer emergency planning and training for HAZWOPER. Michigan is a state plan state, which means that the MIOSHA must make known the rules that are at least as strict as the federal rules.
- These rules state that employers are responsible for training their employees to a level commensurate with duties expected to be performed by the employees.
- The Michigan Firefighters Training Council to develop a curriculum based on the MIOSHA rule and on the National Fire Protection Association (NFPA) standard for training.

LEPC Tasks

- Make sure all LEPC members are knowledgeable in SARA Title III, LEPC duties, and planning methodologies.
- Include in the plan a description of training programs and a schedule of training for emergency responders.
- Monitor training needs of police, fire, EMS, and other personnel in the emergency planning district

Optional Additional LEPC Tasks

- Coordinate all training for emergency responders.
- Based on the results of the survey, make recommendations for training and programs.
- Encourage that "train-the-trainers" be present in the district who can train all personnel to the necessary minimum levels.
- Research the community's capability to fully mitigate an incident (Hazardous Materials Technician). Work to develop this capability either within the district or outside the district through a negotiated agreement.

CHAPTER ELEVEN
Exercising Requirements

An exercise is a test of the written emergency plan. It can be as simple as holding a meeting to discuss the response or as complex as actually deploying equipment and personnel in the field.

The purpose of the exercise is to react to a situation as it is written in the plan. This reaction tests the procedures for any omissions or unworkable concepts. The plan is then altered based on the exercise results. Exercising is also a form of training whereby emergency responders gain experience in operating from the planned procedures.

There are many different types of exercises. They include:

- Tabletop – The emergency responders are called together and given a hypothetical situation and are asked how their employer or profession would respond.
- Functional – A select group of emergency responders, responsible for a specific area of the response, come together to test their procedures. Examples include: Hazardous materials response setting up and operating a shelter; patching a leak; treating a victim of chemical contamination.
- Full Scale – All emergency responders come together and are given a hypothetical situation. They operate out of the designated emergency coordination facility, testing communications, coordination, and each agency's procedures. This level of exercise includes field activity.

Other exercise types include seminars, workshops, games, and drills. Assistance in developing, conducting, and evaluating exercises is provided by the MSP/EMHSD.

LEPC Tasks

- Decide on an exercise policy for the emergency planning district.
- Work with local emergency management coordinators to develop a method and schedule for exercising off-site response plans.

Additional Optional LEPC Tasks

- At each facility for which site-specific procedures are developed, hold a tabletop exercise annually. At a minimum, the local emergency management coordinator, local fire chief, and facility emergency coordinator should be involved. These persons can review the plan and discuss operating procedures. This exercise can also fulfill the annual plan review and update requirement in that this group can forward plan changes they believe are necessary to the LEPC.
- Annually, the LEPC should choose one facility for which site-specific procedures are developed and hold a full-scale exercise. This exercise should involve all emergency responders and should be located at the emergency coordination facility identified in the plan. They should respond to a hypothetical situation at the site, as they would in real life. The facility should be involved in developing the scenario. This exercise is often held in conjunction with the facility exercising its own procedures. Response teams can be deployed to the site to test procedures.
- Develop a four-year exercise calendar identifying which facilities and fire departments are scheduled for exercises in which year. This allows all involved to plan ahead. By cooperating together in developing this long-range plan, many needs can be met simultaneously.

CHAPTER TWELVE
Frequently Asked Questions

Q. What if the county does not have an active LEPC?

A. The SARA Title III legislation requires that the state commission must create emergency planning districts and appoint LEPCs in each district. This has been done in Michigan. Further, the law states that LEPCs shall perform certain functions. If the LEPC is not active, it is failing to abide by the law. If no LEPC is present, the jurisdiction's chief-elected official would assume the responsibility of the LEPC.

Q. We have a few members we would like to see taken off the LEPC. How can we accomplish this?

A. It is the policy of the MCCERCC to rely on local input for LEPC membership nominations. Members may be added or removed by the LEPC or the LEPC chair with, at minimum, a yearly updated roster be submitted to the MSP/EMHSD. The MCCERCC has the right, per EPCRA legislation, to review, accept, and reject LEPC nominations.

Q. I know there are more 302 sites in my jurisdiction than those shown on the active site list. What should I do?

A. Perform community outreach, informing sites of their responsibilities. Alternatively, the LEPC can inform the DEQ of possible sites, and the DEQ will make inquiries for the LEPC. The site itself must make the official notification; the LEPC cannot do it for them.

Q. Our LEPC cannot get anything done at LEPC meetings because we usually cannot get a quorum. What can we do?

A. First, much can be accomplished through subcommittees. The LEPC bylaws should be re-examined because the requirement for a quorum may be too strict. The bylaws should also provide for replacement of an LEPC member after a certain number of unexcused absences by maintaining a current and accurate membership roster to ensure all those listed are active members.

Q. Our fire department has no training. Where do they get it?

A. The Firefighters Training Council advocates that each county establish a training committee responsible for overseeing all Hazmat training within the county. Refer all fire departments to review the MSP/EMHSTC training course catalogue on online at www.mi.train.org.

Q. Our community has very little capability to respond to a Hazmat incident. Why should we develop a plan?

A. The less capability a community has, the more reason there is to develop a plan. Accidents will happen and the community must be prepared to handle them. Through planning, the community identifies shortfalls and makes provisions to correct them, either through further training and equipping of existing responders or through arrangements with neighboring jurisdictions or the private sector. Planning for all emergencies will also identify needs for mutual aid agreements between jurisdictions.

Q. Our hospital and EMS staff are not trained, nor do they have the facilities to respond to victims of a Hazmat incident. What should we do?

A. If an EMS unit or hospital personnel respond to an incident, they must have the appropriate training according to MIOSHA. A First Responder Operations course is available through the MSP/EMHSTC. It is recommended that someone from the area be trained to the technician level. If such organizations indicate they will not respond due to the cost of training, a cooperative effort on the part of the LEPC, industry, all hospitals and EMS organizations in a region may be necessary. By sharing the effort, this requirement may be less costly.

Q. A facility in our town is not cooperating. What can we do?

A. The DEQ can assist with inquiries and ultimately refer to the EPA for enforcement action, if necessary. Also, other organizations, such as the Michigan Chemical Council, may be able to assist.

Q. How can we get the elected officials interested in getting the LEPC active?

A. The MSP/EMHSD is available to discuss the requirements of the law, either individually or through a public officials' conference. The MCCERCC members may also assist with direct contact based on request. Local emergency management coordinators are appointed by the chief executive and should be instrumental in convincing public officials of the importance of the LEPC. Often, citizen groups and the news media provide a good motivating factor.

Q. How should the vulnerability zone be calculated around the facility?

A. The LEPC should consult with first responders to determine the best way to calculate the vulnerable zone. Several methods exist using the Emergency Response Guidebook (ERG), CAMEO, or ALOHA. This decision should be made to assure first responders have access to the information.

Q. Is there funding available for LEPC activities?

A. There is some funding available through the Hazardous Materials Emergency Preparedness (HMEP) grant program from the U.S. Department of Transportation. It is administered by the MSP/EMHSD and is available to LEPCs who apply for the funding.

Q. There are 302 sites on the DEQ list in my jurisdiction that should not be on the list. What should I do?

A. See Chapter Six for procedures.

CHAPTER THIRTEEN
References and Sources of Additional Information

ORGANIZATIONS

Department of Environmental Quality, Michigan SARA Title III Program: Provides information on Title III reporting requirements; receives and processes all reports submitted pursuant to SARA Title III; maintains historical database of Title III reports; provides workshops and training for facilities, LEPCs, and responders; responsible for enforcement of Title III regulations in cooperation with EPA.

Contact Information:
Michigan Department of Environmental Quality
525 West Allegan Street
Lansing, Michigan 48929
Website: www.michigan.gov/SARA
Email: DEQ-SARA@michigan.gov
Phone: 517-284-7272

Michigan State Police, Emergency Management and Homeland Security: Oversees local emergency management programs; provides direct assistance to local government via district coordinators located across the state; reviews Hazmat plans; provides Hazmat planning services; provides training for first responders, local emergency managers, public officials, and members of volunteer organizations on all phases of emergency management.

Contact Information:
Michigan State Police
Emergency Management and Homeland Security Division
7150 Harris Drive
Dimondale, Michigan 48821
Website: .michigan.gov/MCCERCC
Email: MSP-EMHSD@michigan.gov
Phone: 517-284-3745

Environmental Protection Agency (EPA): Responsible for Title III at the federal level; available for CAMEO training; enforcement of Title III regulations; making policy decisions; responding to inland spills when beyond state and local capability; co-chair of the federal Regional Response Team.

Contact Information:
Region V EPA (Chicago):
Chemical Emergency Preparedness and Prevention Section (CEPPS)
Mail code SC-6J
77 West Jackson Boulevard
Chicago, Illinois 60604
Fax: 312-886-6064
Phone: 312-353-9045

Michigan Chemistry Council: Available to assist in identifying facilities and facility coordinators.

Contact: 517-372-8898

Michigan Firefighters Training Council: Establishes firefighting training standards, courses, and curriculum development, training program delivery, and professional certification; offers field delivery of the first two levels of Hazmat first responder courses.

Contact: 517-373-7981

The Bureau of Fire Services within the Department of Licensing and Regulatory Affairs: Provides information on firefighter right-to-know planning and fire department and other organization's safety regulations.

Contact: 517-241-8847

Michigan Railroads Association: Available to assist in identifying the rail carrier and/or commodities being transported on a specific line.

Contact: 517-482-9413

Michigan Trucking Association: Available to assist in identifying major trucking firms operating in the community.

Contact: 517-321-1951

National Response Center: Responsible for receiving reports of Hazmat spills; available for technical advice.

Contact: 1-800-424-8802

APPENDIX A
Glossary

The following are terms referenced in this document that may need further explanation:

Annex – A section of the Emergency Operations Plan that provides detail on how particular tasks identified in the basic plan will be accomplished.

Appendix – A supporting section attached to each annex in an Emergency Operations Plan. The appendixes provide detail on a hazard-specific basis.

Basic Plan – The basic plan is the first part of the Emergency Operations Plan that provides a summary of how the jurisdiction operates during an emergency or disaster. It is the foundation of the plan and has various supporting annexes.

Command Post – A base of operations established by the incident commander of the local fire department at the site of a hazardous materials incident.

Community Emergency Coordinator – The person appointed by the Local Emergency Planning Committee (LEPC), pursuant to SARA Title III, who makes determinations necessary to implement plans and who receives emergency notification of releases.

Emergency Management Act – An act to provide for mitigation, preparedness, response, and recovery from natural and human-made disasters within the state of Michigan. Public Act 390 of 1976, as amended.

Emergency Management Coordinator – The person appointed in each county and some municipalities pursuant to Public Act 390 of 1976, as amended, to coordinate all-hazard mitigation, preparedness, response, and recovery services within the jurisdiction.

Emergency Operations Center (EOC) – The pre-designated facility, established by the emergency management coordinator, from which government officials coordinate emergency response.

Emergency Operations Plan (EOP) – The all-hazard plan developed and maintained by an emergency management program for the purpose of organizing and coordinating the community's emergency or disaster response. An EOP usually consists of a basic plan and various supporting annexes and appendixes.

Emergency Planning District – The geographic area designated by the Michigan Citizen-Community Emergency Response Coordinating Council as the area in which plans must be developed for response to a hazardous materials incident. In Michigan, each county has been designated as a district, and municipalities over 10,000 may petition the MCCERCC to be designated as a district. There are 87 districts designated in Michigan.

Emergency Response Plan – As referenced in SARA Title III, “Emergency Response Plan” means the document developed by an LEPC which includes the requirements referenced in Section 303 (see Chapter 1 of this book for a summary).

Emergency Action Guidelines (EAG) – See Emergency Operations Plan above.

Extremely Hazardous Substance (EHS) – A substance contained within the list of 355 substances published in 40 CFR Part 355 Appendix A pursuant to Section 302 of SARA Title III.

Facility Emergency Coordinator – The facility representative for each facility subject to Section 302 of SARA Title III (having an EHS in an amount exceeding its threshold planning quantity), who participates with the LEPC in the emergency planning process for that site.

HAZWOPER – Hazardous Waste Operations and Emergency Response rule requires the fire chief to provide necessary training to firefighters to develop emergency response plans for each facility within their jurisdiction that handles hazardous substances above certain thresholds.

Incident Command System (ICS) – The combination of facilities, equipment, personnel, procedures and communications operating within a common organizational structure with responsibility for management of assigned resources to effectively accomplish stated objectives at the scene of an incident. According to HAZWOPER, all Hazmat incidents must be managed by an incident command system. Several models are available.

Incident Commander (IC) – The individual (normally the ranking fire officer on scene) responsible for the management and coordination of all hazardous materials incident operations.

Local Emergency Planning Committee (LEPC) – The committee appointed by the Michigan Citizen-Community Emergency Response Coordinating Council, as required by Title III of SARA, to perform local emergency planning and community right-to-know activities. Committees are appointed in each emergency planning district in the state and are required to have representation from a variety of groups.

Michigan Emergency Management Plan (MEMP) – The all-hazard plan for State of Michigan government operations developed pursuant to Public Act 390 of 1976, as amended, for the purpose of coordinating the emergency management activities of mitigation, preparedness, response and recovery within the state.

Michigan Citizen-Community Emergency Response Coordinating Council (MCCERCC) – The MCCERCC appointed by the Governor pursuant to SARA Title III to carry out the emergency planning and community right-to-know activities in the state of Michigan, as authorized. Otherwise known as the MCCERCC and previously known as the State Emergency Response Commission (SERC).

Michigan Hazardous Waste Operations and Emergency Response (HAZWOPER) – State safety and health standards promulgated for hazardous waste operators and emergency response personnel by the MIOSHA as originally authorized in SARA Title I. The Michigan standard mirrors the federal law, known as 29 CFR 1910.120 final rule. The Michigan rule is Michigan Occupational Health Rule 325.5210.

MIOSHA – Michigan Occupational Safety and Health Administration. Responsible for developing and enforcing state standards for occupational safety and health.

Off-Site Standard Operating Procedure – Standard Operating Procedure (SOP) developed by an LEPC to respond to an emergency incident at a designated facility.

Resource Manual – A manual compiled by the emergency management coordinator and local government that lists sources of resources (personnel, equipment, etc.) which can be accessed by the emergency response community in the event of an emergency incident. A supporting document to the Emergency Operations Plan and the off-site standard operating procedures for fixed sites.

Safety Data Sheet (SDS) – A document that includes the description of a material, including the manufacturer's name, the chemical's synonym, trade name, chemical family, hazardous ingredients, physical data, fire and explosion hazard data, health hazard data, reactivity data, spill or leak procedures, special protection information, and special precautions about that material required by OSHA regulations. SDSs must be available for hazardous materials.

SARA – Superfund Amendments and Reauthorization Act of 1986. Title I deals with health and safety issues for hazardous waste workers and emergency response personnel. Title III deals with emergency planning and community right-to-know provisions. Also known as the Emergency Planning and Community Right-to-Know Act (EPCRA).

SARA Title III, Section 302 active site list – Official list of facilities subject to SARA Title III, Section 302 (having an extremely hazardous substance in an amount equal to or exceeding its TPQ) maintained by the Michigan SARA Title III Program.

Site Plan – A detailed plan of action for employees that is unique to a specific site to be implemented during an emergency or disaster situation. Written and coordinated with the local government off-site standard operating procedures.

Standard Operating Procedures (SOP) – Detailed procedures that are unique to a specific emergency or disaster situation or those that are written by a specific department or agency to detail the tasks assigned in an Emergency Operations Plan.

State Emergency Response Commission (SERC) – See Michigan Citizen-Community Emergency Response Coordinating Council above.

Superfund Amendments and Reauthorization Act – See SARA above.

Title III – The Emergency Planning and Community Right-to-Know Act of 1986 which specifies requirements for organizing the planning and community right-to-know process at the state and local level. See SARA above.

APPENDIX B

SARA Title III, Off-Site Community Emergency Response Plan Template continued on the next page.

EMD-076 (11/2014)
MICHIGAN STATE POLICE
Emergency Management and Homeland Security Division

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III EMERGENCY RESPONSE PLAN SUBMITTAL SHEET

AUTHORITY: 1976 PA, 390, MCL 30.407A; 42 USC 11003 **COMPLIANCE:** Voluntary

USE SUBMITTAL SHEET FOR *NEW PLANS ONLY* (**NOT REVIEWS**)

The off-site response plan, the SARA Title III Emergency Response Plan Submittal Sheet, and the completed SARA Title III Emergency Response Plan Completion Sheet must be submitted to the Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD), District Coordinator, to begin the review process. Each plan must have a separate submittal sheet. **Note: Plans will NOT be returned to the Local Emergency Planning Committee (LEPC)**.

LEPC Name	**Date** Click here to enter a date.

Facility Name	**Facility Street Address**
SARA ID Number from Department of Environmental Quality (DEQ) 302 List	**Facility City, State Zip Code**
NOTE: Plans submitted without a SARA ID Number will be returned by MSP/EMHSD. No exceptions will be made; the LEPC must obtain the facility number from the Department of Environmental Quality before submitting the plan to the MSP/EMHSD.	

This off-site response plan for the facility indicated is hereby submitted. The information contained within is consistent with the policy(ies) contained by the jurisdiction's Emergency Operations Plan/Emergency Action Guidelines (EOP/EAG).	
Local Emergency Management Coordinator	**Date** Click here to enter a date.

The coordinator and the plan must be the applicable one for the emergency management program area in which the site is located.

MSP/EMHSD District Coordinators: References in this plan and submittal sheet to information being located in the Local Emergency Management Office EOP or EAG are accurate. **Yes [ ]**

MSP/EMHSD District Coordinator Signature	**Date** Click here to enter a date.

References to fire department: Identifies the Fire Department by name. **Yes [ ]**

The Michigan State Police, Emergency Management and Homeland Security Division finds this work product acceptable under SARA Title III planning requirements and eligible for Hazardous Material Emergency Planning grant funding (if applicable).

MSP/EMHSD Planner Signature	**Date** Click here to enter a date.

SARA TITLE III REQUIRED PLAN PROVISIONS
42 USC 11003

SubSection c

1. Identification of facilities subject to the requirements of 42 USC 11001 – 11005 that are within the emergency planning district, identification of routes likely to be used for the transportation of substances on the list of extremely hazardous substances referred to in 42 USC 11002(a), and identification of additional facilities contributing or subjected to additional risk due to their proximity to facilities subject to the requirements of 42 USC 11001 – 11005, such as hospitals or natural gas facilities.

2. Methods and procedures to be followed by facility owners and operators and local emergency and medical personnel to respond to any release of such substances.

3. Designation of a community emergency coordinator and facility emergency coordinators who shall make determinations necessary to implement the plan.

4. Procedures providing reliable, effective, and timely notification by the facility emergency coordinators and the community emergency coordinator to persons designated in the emergency plan, and to the public, that a release has occurred (consistent with the emergency notification requirements of 42 USC 11004).

5. Methods for determining the occurrence of a release, and the area or population likely to be affected by such a release.

6. A description of emergency equipment and facilities in the community and at each facility in the community subject to the requirements of 42 USC 11001 – 11005, and an identification of the persons responsible for such equipment and facilities.

7. Evacuation plans, including provisions for a precautionary evacuation and alternative traffic routes.

8. Training programs, including schedules for training of local emergency response and medical personnel.

9. Methods and schedules for exercising the emergency plan.

Review by the State Emergency Response Commission. After completion of an emergency plan under the guidelines established in 42USC 11003, SubSection c(1) for an emergency planning district, the LEPC shall submit a copy of the plan to the State Emergency Response Commission of each state in which such district is located. The commission shall review the plan and make recommendations to the LEPC on revisions of the plan that may be necessary to ensure coordination of such plan with emergency response plans of other emergency planning districts. To the maximum extent practicable, such review shall not delay implementation of such plan.

Michigan SARA Title III Program Off-Site Emergency Response Completion Sheet

This form is to be completed by the LEPC, and attached to each plan.

LEPC Name	**Date**

Does this site contain a SARA Title III Section 302 (42USC 11002) Extremely Hazardous Substance (EHS)?
Yes ☐ or **No** ☐

If **yes**, please name the EHS(s): _____
Facility Name: _____
Facilities Physical Address: _____
Latitude and Longitude: _____

All plans MUST INCLUDE OR REFERENCE information to address each of the following topics

Items 1 through 10 MUST BE INCLUDED IN THIS DOCUMENT AND NOT REFERENCED FROM ANOTHER SOURCE

Fire departments where information is located **MUST** be identified by name.
Check the appropriate box for each item listed below for the location of where the information may be found.

Subject areas to be addressed		**Fire department. must include name of the responsible department**	**Found in EOP/EAG**	**Included in HAZMAT Response Plan**	**Other: Specify EOP/EAG/ HAZMAT plan page number or fire department name**
1	Identifies the facility emergency coordinator and emergency telephone numbers.	[redacted]		☐	
2	Provides an inventory of extremely hazardous substances at the facility.			☐	
3	Includes an inventory of other chemicals.			☐	
4	Identifies route which extremely hazardous substances are transported to and/or from the facility.			☐	
5	Describes the facilities procedures to be followed once a release has been detected.			☐	
6	Includes procedures for a timely notification of a release by the owner/operator to the local			☐	

Subject areas to be addressed		Fire department. must include name of the responsible department	Found in EOP/EAG	Included in HAZMAT Response Plan	Other: Specify EOP/EAG/ HAZMAT plan page number or fire department name
	emergency management coordinator and government agencies.				
7	Identifies the method used to determine the population likely to be affected by a release and identify the area affected.			☐	
8	Identifies facilities with special populations, such as: hospitals, schools, and nursing homes, and identify facilities that may contribute to or are subject to additional risk due to their proximity to the facility.			☐	
9	Identifies provisions for evacuation routes, including alternative routes out of the vulnerable zone if evacuation becomes necessary.			☐	
10	Identifies the hazardous materials expertise and emergency response equipment of the FACILITY and identifies how the equipment is maintained.			☐	
11	A statement or procedure on how Mutual Aid will be activated and/or the adjoining LEPC will be contacted if needed. Please include the responding LEPC or first responder's jurisdiction.	☐	☐	☐	
12	A statement or procedure that describes how population protection decisions will be made and implemented for accidental chemical release.	☐	☐	☐	
13	A statement or procedure that describes the community's medical response actions in the event of an accidental chemical release in the community.	☐	☐	☐	
14	A list of the known SARA Title III, Section 302 (42 USC 11002) HAZMAT sites in the LEPC's geographical area of jurisdiction.	☐	☐	☐	
15	A list of persons/organizations to contact for assistance (railroads, DEQ, DNR, Drain Commissioners, road commissions, airports, health departments, police/sheriff, etc.).	☐	☐	☐	
16	A description of the community's HAZMAT response procedures and equipment and who maintains the equipment.	☐	☐	☐	

Subject areas to be addressed		Fire department. must include name of the responsible department	Found in EOP/EAG	Included in HAZMAT Response Plan	Other: Specify EOP/EAG/ HAZMAT plan page number or fire department name
17	A description of the community's HAZMAT responder training schedule.	☐	☐	☐	
18	A description of the community's exercise schedule for HAZMAT sites and the method(s) used for exercising.	☐	☐	☐	
RECOMMENDED ITEMS: The following items are **NOT** required to be included. However, their inclusion is **highly** recommended.					
1	Provides a facility location map.	☐	☐	☐	
2	Provides a site layout map indicating a chemical's physical location in the facility.	☐	☐	☐	
3	Establishes access control procedures and maps the access control points and traffic rerouting within the vulnerable zone.	☐	☐	☐	
4	Provides contact names and phone numbers for populations of concern (schools, hospitals, shopping centers, factories).	☐	☐	☐	
5	Identifies shelters in the event an evacuation is needed.	☐	☐	☐	
6	Identifies where chemical specific toxicology information can be found.	☐	☐	☐	

SARA Title III, Off-site Community Emergency Response Plan Template

This plan template is intended for LEPC use. This template includes information that is not required under SARA Title III Required Plan Provisions 42 USC 11003, part C. Please refer to the Plan Submittal Sheet (EMD-076) for the list of required and optional information. This template is intended to establish a baseline plan that may be utilized by any LEPC and is customizable to each LEPC's specific needs. All elements in this template not required under SARA Title III are denoted with "*optional*" after the heading title.

Quick Reference Table of Contents

Facility Information.....

Authorizing Signatures *(optional)*.....

Dates of Completion, Update, and Exercising.....

EHS Chemical(s) On-Site.....

Other Chemicals of Concern.....

Chemical Specific Toxicological and Response Information.....

Facility Floor Plan/ Schematic *(optional)*.....

Facility and Emergency Response Maps (3 pages).....

Vulnerable Zone Calculation.....

Access Control.....

Evacuation Routes.....

Other Facilities of Concern.....

Mass Sheltering *(optional)*.....

Access and Functional Needs Populations *(optional)*.....

Other Areas of Concern *(optional)*.....

Emergency Release Notification, SARA Title III.....

Notification HAZMAT Incident Notification Message Form.....

County Resources Available.....

Facility Resources Available.....

Mutual Aid Agreements *(optional)*.....

HAZMAT Training and Exercising.....

Site Photographs *(optional)*.....

Facility Information

Facility Name:

SARA ID Number:

Facility Address:

Township: Section:

Fire District:

Law Enforcement:

Cross Streets:

Global Positioning System (GPS) Coordinates:

Facility 24 Hour Emergency Contact Person:

Facility 24 Hour Emergency Contact Phone Number:

Local Emergency Planning Committee (LEPC) Name

LEPC Contact Number

Michigan Department of Environmental Quality PEAS Hotline 1-800-292-4706

United States Coast Guard, National Response Center 1-800-424-8802

Authorizing Signatures *(optional)*

LEPC Chairperson:

Local Emergency Manager:

Responding Fire Department Designated Official:

Facility Emergency Coordinator:

Dates of Completion, Update, and Exercising

Date created: Click here to enter a date.

Date last modified: Click here to enter a date.

Date plan was last exercised: Click here to enter a date.

Comments:

EHS Chemical(s) On-Site

EHS chemicals are those found on the Environmental Protection Agencies (EPA) List of Lists. The EPA List of Lists may be found here.

Comments:

Chemical Name	Container Type	Storage Location	Months on Hand	Maximum Amount in Pounds	Largest Container	Emergency Response Guide Number
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Other Chemicals of Concern

Other hazardous chemicals that are on-site, in storage, and in process, at any time, which are not listed on the EPA's List of Lists.

Comments:

Chemical Name	Container Type	Storage Location	Months on Hand	Maximum Amount in Pounds	Largest Container	Emergency Response Guide Number
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Chemical Specific Toxicological and Response Information

Chemical specific toxicological information, such as health risks, environmental risks, and general characteristics (vapors, heavier than air, flammable, etc.), is available through CHEMTREC 1-800-424-9300 (for emergencies only). Information on the EHS chemicals in this plan are included on page Click here to enter text.

Comments:

Facility Floor Plan/Schematic *(optional)*

Does this facility utilize a fire suppression system? **Yes** ☐ or **No** ☐

Insert **map of the facility floor plan or schematic** here

Comments:

Facility and Emergency Response Maps (3 pages)

Insert **map of the facility with transportation route of EHS chemical(s) to facility** here

Comments:

Vulnerable Zone Calculations

Insert **map of the vulnerable zone, access control points, and evacuation routes** here

Comments:

Nearby Facilities of Concern

Insert **map of other nearby facilities of concern** here

Comments:

Vulnerable Zone Calculation

The vulnerable zone for Click here to enter text. was determined by using (CAMEO, ERG Guidebook). The vulnerable zone has been identified as Click here to enter text. miles in all directions.

After learning the scope of the incident, the Incident Commander should determine what the appropriate evacuation and/or shelter in place distance should be based on size of spill, tank or container size, wind direction, time of day, and atmospheric conditions.

Comments:

Access Control

Access control points will be established at key intersections to prohibit entry into the vulnerable zone. Access control and security will be coordinated by local law enforcement, fire personnel, and emergency management personnel.

Comments:

Road Name	Intersecting Road Name	Access Control Point Contact Person(s)	Contact Telephone Number
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Evacuation Routes

Evacuation routes should be pre-established in case the event should expand.

Comments:

Other Facilities of Concern

Other facilitates may be nearby and store or manufacture hazardous substances, which may be affected by a release from this site. There are Click here to enter text. number of facilities within the vulnerable zone of this site.

Comments:

Facility Name	Facility Address	Contact Person(s)	Contact Telephone Number
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Access and Functional Needs Populations *(optional)*

The following facilities fall within the vulnerable zone and will be notified if an incident occurs. (Access and Functional Needs populations include: schools, nursing homes, hospitals, churches, day care facilities.)

Comments:

Facility Name	Facility Contact Person(s)	Contact Telephone Number
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.

Other Areas of Concern *(optional)*

Other areas, structures, natural features may be vulnerable to a release at this site. Document any additional areas of concern here.

Comments:

Type of Concern	Location
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.

Sheltering Information *(optional)*

In the event mass evacuation is required, the following shelter locations have been pre-determined.

Emergency Release Notification, SARA Title III

Emergency release reporting is required for the release of a reportable quantity of any EHS or a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous substance that results in potential exposure to persons outside the site boundaries. Certain information is to be reported, without delay, to the extent the information is known at the time. A written follow-up report on the release, its effects, and response actions must be sent as soon as is practicable after a release. The Hazardous Materials (HAZMAT) Incident Notification Message Form within this Section meets the requirements of initial release reporting. This notification format is the same as the Law Enforcement Information Network (LEIN). This form should be used by the facility and government agencies.

Notify Immediately	**Telephone Number**
Local Government (Police, Fire, EMS):	911
Local Emergency Planning Committee:	
State Emergency Response Commission (MCCERCC)	
Via MDEQ PEAS Hotline:	1-800-292-4706
National Response Center:	1-800-424-8802
Agricultural Spills:	1-800-405-0101

Other Phone Numbers (railroads, Michigan Department of Environmental Quality (MDEQ), Michigan Department of Natural Resources (MDNR),
Drain Commissioner, airports):

Comments:

Notification HAZMAT Incident Notification Message Form (LEIN: ACCCHEMICAL)

A more detailed incident notification procedure may be found here.

Line 1 - Date: Click here to enter a date. Reporting Time: hrs.

Line 2 - Reported By: Telephone:

Line 3 - Time of Incident: Hrs. Initial Report ☐ Follow-Up ☐

Line 4 - Incident Description:

Line 6 - Transportation ☐ Fixed Site ☐

Line 7 - Facility or Carrier Involved:

Line 8 - Facility/Carrier Contact:

Line 9 - Address of Incident:

Line 10 - City or Township:

Line 11 - Spill ☐ Leak ☐ Fire ☐ Explosion ☐ Other:

Line 12 - Released into: Air ☐ Water ☐ Ground ☐

Line 13 - Class: Minor ☐ Alert ☐ Site Area Emergency ☐ Community Emergency ☐

Line 14 - Incident status: Escalating ☐ Stable ☐ De-Escalating ☐ Terminated ☐

Line 15 - Protective Action Recommendation: In-Place Shelter ☐ Evacuation ☐ None ☐

Line 16 - Protective Action Status: In-Place Shelter ☐ Evacuation ☐ None ☐

Line 17 - Number of Injuries: Number of Deaths:

Line 18 - Material Name:

Line 19 - Liquid ☐ Gas ☐ Solid ☐

Line 20 - Extremely Hazardous Substances: Yes ☐ No ☐ Unknown ☐

Line 21 - Amount of Material Released:

Line 22 - Duration of Release:

Line 23 - Total Amount Which Could Be Released:

Line 24 - Other Chemicals or Incompatibles Involved:

Line 25 - Health risks and Precautions:

Line 27 - Emergency Medical Treatment Recommended:

Line 29 - Wind Direction (from): (i.e. N, NW) Wind Speed: MPH

Line 30 - Air Temp (F): Clear ☐ Partly Cloudy ☐ Overcast ☐

Line 31 - Area of Release: Rural ☐ Residential ☐ Commercial ☐

Line 32 - Industrial ☐ Open Water ☐

Line 33 - Release Impact - Number of Persons Affected:

Line 34 - Special Populations of Concern: Schools ☐ Rest Homes ☐ Hospitals ☐

Line 35 - Shopping Centers ☐ Jails ☐ Other:

Line 36 - Response Status (list jurisdictions responding: PD, FD, HAZMAT team, etc.):

Line 38 - Investigating Agency: Telephone:

Line 39 - Local Fire Department/Police Department ☐ Facility or Carrier ☐

Line 40 - Local Emergency Management Coordination ☐ Local Health Department ☐Michigan State Police District Coordinator ☐ Michigan Department of Environmental Quality PEAS Hotline ☐National Response Center

Local HAZMAT Resources Available

List HAZMAT resources available at the city/county level to respond to the facility when needed.

Comments:

Chemical Emergency Monitoring Equipment	**Quantity**	**Notes**
Weather instrument(s)		
PH meters (fixed/portable)		
Combustible gas indicator		
Colormetric indicator tubes		
Radiation detector		
Chlorine kits (A, B, C)		
Heat detector (thermal imaging)		
Oxygen concentration meter		
Other monitoring equipment		
Personal Protective Equipment	**Quantity**	**Notes**
Positive pressure respirator		
SCBA		
SCBA tanks (Duration)		
Mobile cascade		
Cascade with compressor		
Fully encapsulated suits (type)		
Full protective turnout gear		
Boots and gloves		
Helmets with gloves		
Trained Emergency Response Personnel	**Quantity**	**Notes**
First responder awareness		
First responder operations		
Specialist/ technician		
Incident Commander/ IC System		
Other HAZMAT trained [personnel		
Equipment and Supplies	**Quantity**	**Notes**
Foam AFFF		
Foam Class A		
Sand		
Pumper		
Ladder truck		
Tanker		
Rescue Squad		
Off-road vehicles		
Communications vehicles		
Multi-purpose vehicles		
Portable radios		
Pagers		

Facility Resources Available

List resources available at the facility to respond to an event when needed.

Comments:

Chemical Emergency Monitoring Equipment	**Quantity**	**Notes**
Weather instrument(s)		
PH meters (fixed/portable)		
Combustible gas indicator		
Colormetric indicator tubes		
Radiation detector		
Chlorine kits (A, B, C)		
Heat detector (thermal imaging)		
Oxygen concentration meter		
Other monitoring equipment		
Personal Protective Equipment	**Quantity**	**Notes**
Positive pressure respirator		
SCBA		
SCBA tanks (Duration)		
Mobile cascade		
Cascade with compressor		
Fully encapsulated suits (type)		
Full protective turnout gear		
Boots and gloves		
Helmets with gloves		
Trained Emergency Response Personnel	**Quantity**	**Notes**
First responder awareness		
First responder operations		
Specialist/ technician		
Incident Commander/ IC System		
Other HAZMAT trained [personnel		
Equipment and Supplies	**Quantity**	**Notes**
Foam AFFF		
Foam Class A		
Sand		
Pumper		
Ladder truck		
Tanker		
Rescue Squad		
Off-road vehicles		
Communications vehicles		
Multi-purpose vehicles		
Portable radios		
Pagers		

HAZMAT Training and Exercising

Include a brief description of the city/county first responder HAZMAT training schedule and a description of the community's exercise schedule for HAZMAT sites. If available, include a description of the community's HAZMAT responder levels of training including: FRA/FRO/HAZMAT Technician, HAZMAT Specialist.

Comments:

Mutual Aid Agreements (MAA) *(optional)*

MAA or Memorandum of Understanding (MOU) may be pre-established with neighboring jurisdictions or contractors in the event a hazardous materials incident's scope exceeds local response capabilities.

Comments:

List any MAA or MOU here:

Site Photographs (*optional)*

Comments: