



Protocol for Conducting Environmental Compliance Audits under the Emergency Planning and Community Right-to-Know Act



EPA Office of Compliance

Notice

This document has been developed to assist in conducting environmental audits. The use of this document should be restricted to environmental audits only. For example, areas such as safety, transportation, occupational health, and fire protection are mentioned solely for clarification purposes. It is a summary of environmental regulations under EPCRA, but it is not a substitute for a comprehensive knowledge of the regulations themselves. Any variation between applicable regulations and the summaries contained in this guidance document are unintentional, and, in the case of such variations, the requirements of the regulations govern.

This document is intended solely as guidance to explain performance objectives for environmental auditors. Following the steps set forth in this guidance generally should result in compliance with those aspects of the regulations that it covers. The U.S. Environmental Protection Agency (EPA) does not make any guarantee or assume any liability with respect to the use of any information or recommendations contained in this document. Regulated entities requiring additional information or advice should consult a qualified professional.

This guidance does not constitute rulemaking by the EPA and may not be relied on to create a substantive or procedural right or benefit enforceable, at law or in equity, by any person. EPA may take action at variance with this guidance and its internal procedures.

Acknowledgments

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Table of Contents

Notice inside cover
Acknowledgments inside cover

Section I: Introduction

Background ii
EPA's Policy on Environmental Audits ii
Purpose of the Protocols for Conducting Environmental Compliance Audits iii
How to Use This Protocol iv
List of Acronyms and Abbreviations vi

Section II: Audit Protocol

Applicability 1
Federal Legislation 1
State/Local Regulations 1
Key Compliance Requirements 1
Key Terms and Definitions (40 CFR 355.20, 370.2, 372.3) 3
Typical Records to Review 6
Typical Physical Features to Inspect 6
Index for Checklist Users 6
Checklist 7

Appendices

Appendix A: Consolidated List of Chemicals Covered in EPCRA A1

Section I Introduction

Background

The Environmental Protection Agency (EPA) is responsible for ensuring that businesses and organizations comply with federal laws that protect the public health and the environment. Recently, EPA has begun combining traditional enforcement activities with more innovative compliance approaches. In its Strategic Plan, the Agency recognizes the need to assist the regulated community by providing compliance assistance and guidance that will promote improved compliance and overall environmental performance (see Exhibit 1). EPA encourages regulated entities to recognize compliance as the floor, rather than the ceiling, of environmental performance by internalizing and implementing sound environmental practices. As part of that effort, EPA is encouraging the development of self-assessment programs at individual facilities. Voluntary audit programs play an important role in helping companies meet their obligation to comply with environmental requirements. Such assessments can be a critical link, not only to improved compliance, but also to improvements in other aspects of an organization's performance. For example, environmental audits may identify pollution prevention opportunities that can substantially reduce an organization's operating costs.

Over the years, EPA has encouraged regulated entities to initiate environmental audit programs that support and document compliance with environmental regulations. EPA has developed this audit protocol to provide regulated entities with specific guidance in periodically evaluating their compliance with federal environmental requirements.

Exhibit 1 - EPA's Credible Deterrent Goal

Within its Strategic Plan, EPA has established a goal to ensure full compliance with the laws intended to protect human health and the environment. Within the framework of this goal, EPA's objectives are as follows:

- Identify and reduce significant non-compliance in high priority program areas, while maintaining a strong enforcement presence in all regulatory program areas,
- Promote the regulated communities' voluntary compliance with environmental requirements through compliance incentives and assistance programs.

EPA's Policy on Environmental Audits

In 1986, in an effort to encourage the use of environmental auditing, EPA published its "Environmental Auditing Policy Statement" (see 51 FR 25004). The 1986 audit policy states that "it is EPA policy to encourage the use of environmental auditing by regulated industries to help achieve and maintain compliance with environmental laws and regulation, as well as to help identify and correct unregulated environmental hazards." In addition, EPA defined environmental auditing as a systematic, documented, periodic, and objective review of facility operations and practices related to meeting environmental requirements. The policy also identified several objectives for environmental audits:

- ▶ verifying compliance with environmental requirements,
- ▶ evaluating the effectiveness of in-place environmental management systems, and
- ▶ assessing risks from regulated and unregulated materials and practices.

Exhibit 2 – EPA’s 1995 Audit Policy

Under the final Audit/Self Policing Policy, EPA will not seek gravity-based penalties and will not recommend criminal prosecutions for companies that meet the requirements of the policy. Gravity-based penalties represent the “seriousness” or punitive portion of penalties over and above the portion representing the economic gain from non-compliance. The policy requires companies:

- to promptly disclose and correct violations,
- to prevent recurrence of the violation, and
- to remedy environmental harm.

The policy excludes:

- repeated violations,
- violations that result in serious actual harm, and
- violations that may present an imminent and substantial endangerment.

Corporations remain criminally liable for violations resulting from conscious disregard of their legal duties, and individuals remain liable for criminal wrongdoing. EPA retains discretion to recover the economic benefit gained as a result of noncompliance, so that companies will not be able to obtain an economic advantage over their competitors by delaying investment in compliance. Where violations are discovered by means other than environmental audits or due diligence efforts, but are promptly disclosed and expeditiously corrected, EPA will reduce gravity-based penalties by 75% provided that all of the other conditions of the policy are met.

As a result of EPA’s new audit policy, through March 1998, 247 companies have disclosed environmental violations at more than 760 facilities and EPA has reduced or waived penalties for 89 companies and 433 facilities.

The final Audit/Self-Policing Policy was published in the Federal Register on December 22, 1995 (60 FR 66706). It took effect on January 22, 1996. For further information, contact the Audit Policy Docket at (202) 260-7548 or call (202) 564-4187.

In 1995, EPA published "Incentives for Self-Policing: Discovery, Disclosure, Correction and Prevention of Violations" which both reaffirmed and expanded its 1986 audit policy. The 1995 audit policy offers major incentives for entities to discover, disclose and correct environmental violations. Under the 1995 policy, EPA will not seek gravity-based penalties or recommend criminal charges be brought for violations that are discovered through an “environmental audit” (as defined in the 1986 audit policy) or a management system reflecting “due diligence” and that are promptly disclosed and corrected, provided that other important safeguards are met (see Exhibit 2). These safeguards protect health and the environment by precluding policy relief for violations that cause serious environmental harm or may have presented imminent and substantial endangerment, for example.

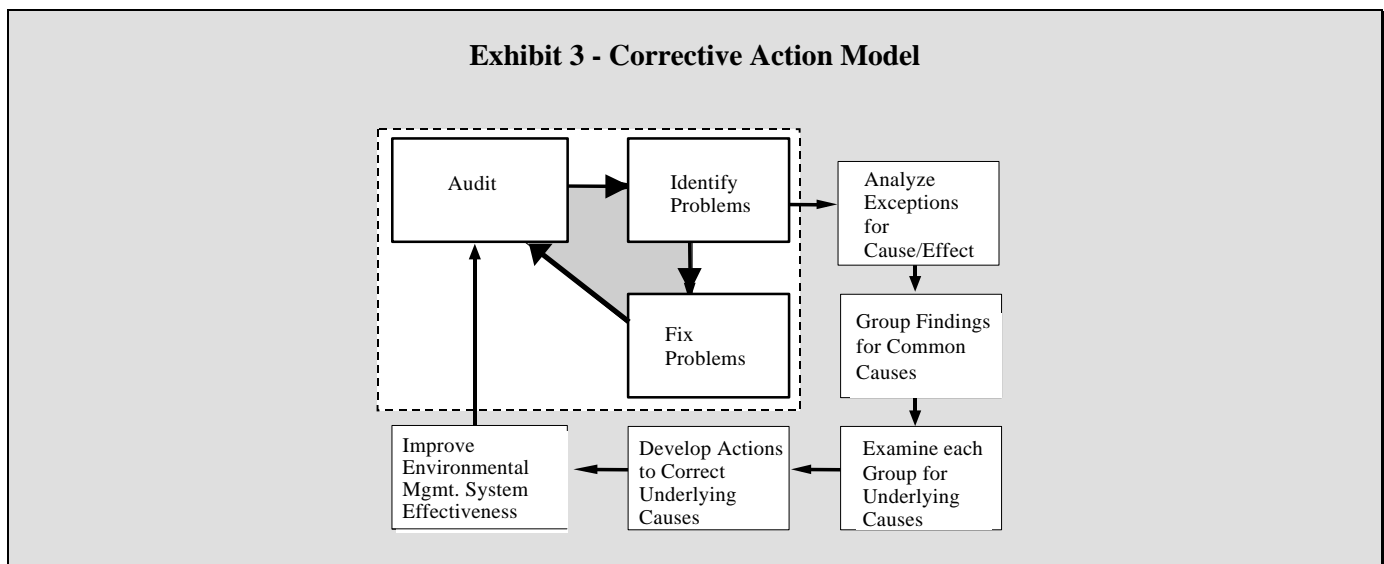
Purpose of the Protocols for Conducting Environmental Compliance Audits

This protocol, which is part of a set containing other area or statutory specific audit protocols, is a tool to assist you in conducting environmental audits, which should inform you whether your facility is in compliance with federal regulations. EPA has developed these audit protocols to assist and encourage businesses and organizations to perform environmental audits and disclose violations in accordance with EPA's audit policy. The audit protocols are intended to promote consistency among regulated entities when conducting environmental audits and to ensure that audits are conducted in a thorough and comprehensive manner.

Protocol for Conducting Environmental Compliance Audits under EPCRA

Each protocol provides guidance on key requirements, defines regulatory terms, and gives an overview of the federal laws affecting a particular environmental management area. It also includes a checklist containing detailed procedures for conducting a review of facility conditions. In order to use these documents effectively, you should be familiar with basic environmental auditing practices and the relevant environmental regulations under Title 40 of the Code of Federal Regulations (CFR). The audit protocols are not intended to be exclusive or limiting with respect to procedures that may be followed. EPA recognizes that other audit approaches and techniques may be effective in identifying and evaluating a facility's environmental status and in formulating recommendations to correct observed deficiencies.

These protocols can be used as a basis to implement, upgrade, or benchmark environmental management activities. The protocols are a management tool for measuring and improving environmental performance by correcting deficiencies uncovered by the audit (see Exhibit 3). This process is perhaps the key element to a high quality environmental management program and will function best when an organization identifies the "root causes" of each audit finding. Root causes are those breakdowns in management oversight, information exchange, and evaluation that allow environmental problems to recur. Thus, while an organization may have developed an excellent record of dealing with a symptom, such as spill response, the underlying problem or "root cause" has not been addressed. Furthermore, identifying the root cause of an audit finding can mean identifying not only the failures that require correction but also the successes. In each case a root cause analysis should uncover the failures while promoting the successes so that an organization can make continual progress toward environmental excellence.



How to Use This Protocol

To conduct effective compliance audits, the auditor or audit team needs to possess sound working knowledge of the operations and processes to be reviewed, the relevant regulations that apply to a given facility, and of acceptable auditing practices. The audit protocol should be used as a planning tool to assist the auditor in understanding the requirements for conducting a comprehensive audit. This document will provide the user with a generic audit approach to regulatory issues that may require closer examination. Once the general issues are identified through the use of this protocol, the auditor should perform a more detailed investigation to determine the specific area of noncompliance to be corrected. The auditor should review federal, state and local

Protocol for Conducting Environmental Compliance Audits under EPCRA

environmental requirements and annotate the protocol, as required, to include other applicable requirements not included in the protocol.

The auditor also should determine which regulatory agency has authority for implementing an environmental program so that the proper set of regulations is consulted. State programs that implement federally mandated programs may contain more stringent requirements. This protocol should not be used as a substitute for the applicable regulations.

The collective set of the audit protocols developed by EPA is designed to support a wide range of environmental auditing needs; therefore several of the protocols in this set or sections of an individual protocol may not be applicable to a particular facility. Each protocol is not intended to be an exhaustive set of procedures; rather it is meant to inform the auditor, about the degree and quality of evaluation essential to a thorough environmental audit. EPA is aware that other audit approaches may provide an effective means of identifying and assessing facility environmental status and in developing corrective actions.

Each protocol contains the following information:

- List of acronyms and abbreviations used in the document,
- Applicability - provides guidance on the major activities and operations included in the protocol and a brief description of how the protocol is applied,
- Review of federal legislation - identifies key issues associated with the subject protocol area,
- State and local regulations - identifies typical issues normally addressed in state and local regulations but does not present individual state/local requirements,
- Key compliance requirements - summarizes the overall thrust of the regulations for that particular protocol,
- Key compliance definitions - defines important terms,
- Typical records to review - highlights documents, permits and other pertinent paperwork that should be reviewed by an auditor and reconciled against regulatory requirements,
- Typical physical features to inspect - highlights pollution control equipment, manufacturing and process equipment and other areas that should be visited and evaluated during an audit,
- Index for checklist users - outlines different areas of the checklist that may pertain to the facility being audited,
- Checklist - matches the regulatory requirements with the tasks that should be accomplished by the auditor, and
- Appendices - supporting information for the checklist (e.g., regulatory deadlines, lists of contaminants, wastes, and required testing procedures). Note: information contained in the appendices is dated and should be verified with a current version of the applicable federal regulations.

The checklist delineates what should be evaluated during an audit. The left column states either a requirement mandated by regulation or a good management practice that exceeds the requirements of the federal regulations. Good management practices are distinguished from regulatory requirements in the checklist by the acronym (MP) and are printed in italics. The regulatory citation is given in parentheses after the requirement. The right column gives instructions to help conduct the evaluation. These instructions are performance objectives that should be accomplished by the auditor. Some of the performance objectives may be simple documentation checks that take only a few minutes; others may require a time-intensive physical inspection of a facility.

EPA is presently in the process of developing a series of audit protocol application guides to serve as companion documents to the set of protocols. The application guides will provide the auditor with a matrix that identifies and cross-references certain site-specific activities or unit operations with particular environmental aspects of that activity. For example, managing hazardous waste containers is a site-specific activity with environmental concerns, such as possible releases to air, and water, that may require additional review through auditing. By using the application guide the user can identify facility specific practices that require more in-depth review. In

addition, the application guides will also direct the user to specific protocols and sections (e.g., checklist items) of the protocol to determine areas that are regulated and require auditing.

List of Acronyms and Abbreviations

CAA	Clean Air Act
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act (or Superfund)
CFR	Code of Federal Regulations
CWA	Clean Water Act
EHS	Extremely hazardous substance
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act of 1986
FR	Federal Register
gal.	Gallon
kg	Kilogram
lb.	Pound
LEPC	Local Emergency Planning Committee
MP	Management practice
MSDS	Material Data Safety Sheet
NOV	Notice of violation
NRC	National Response Center
OSHA	Occupational Health and Safety Act
PAC	Polycyclic aromatic compound
POTW	Publicly owned treatment works
PPA	Pollution Prevention Act of 1990
RCRA	Resource Conservation and Recovery Act
RQ	Reportable quantity
SARA	Superfund Amendments and Reauthorization Act of 1986
SERC	State Emergency Response Commission
SIC	Standard Industrial Classification
SPCC	Spill Prevention, Control and Countermeasures
TPQ	Threshold planning quantity
TRI	Toxic release inventory
yr	Year

Section II Audit Protocol

Applicability

This protocol addresses facilities that manufacture, process, store, or otherwise use extremely hazardous substances (EHSs) defined in 40 CFR 355, hazardous chemicals defined in 29 CFR 1910.1200, and toxic chemicals defined in 40 CFR 372.

There are numerous environmental regulatory requirements administered by federal, state, and local governments. Each level of government may have a major impact on areas at the facility that are subject to the audit. Therefore, auditors are advised to review federal, state, and local regulations in order to perform a comprehensive assessment.

Federal Legislation

Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA)

This act, also known as SARA Title III, was designed to promote emergency planning and preparedness at both the state and local level. It provides citizens, local governments, and local response authorities with information regarding the potential hazards in their community. EPCRA requires the use of emergency planning and designates state and local governments as recipients of information regarding certain chemicals used in the community. EPCRA has four major components:

- Emergency planning (Sections 301-303)
- Emergency release notification (Section 304)
- Community right-to-know reporting (Sections 311-312)
- Toxic chemical release reporting (Section 313)

Pollution Prevention Act of 1990 (PPA)

The goals of PPA were the following: preventing or reducing pollution at the source whenever feasible; pollution that cannot be prevented should be recycled in an environmentally safe manner whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible; and disposal or other release into the environment should be employed only as a last resort and conducted in an environmentally safe manner. Section 6607 of the PPA requires owners or operators of facilities who have to file an annual toxic chemical release form (Form R) under EPCRA Section 313 to include a toxic chemical source reduction and recycling report for the preceding calendar year which has been incorporated into the Form R.

State/Local Regulations

State and local emergency response agencies may establish additional and/or more stringent reporting requirements under Section 312 of EPCRA and may require the use of state-specific reporting forms.

Key Compliance Requirements

Emergency Planning (40 CFR 355.30) (EPCRA Section 302)

A facility with quantities of extremely hazardous substances equal to or greater than the limits found in the third column of Appendix A is required to notify the state emergency response commission within 60 days that the facility is subject to emergency planning requirements. The facility must designate a representative to participate in local emergency planning as a facility emergency response coordinator. The facility must also submit additional information

Protocol for Conducting Environmental Compliance Audits under EPCRA

to the local emergency planning committee upon request and notify them of any changes at the facility which might be relevant to emergency planning (i.e., designation of the emergency response coordinator, material changes in inventory) (40 CFR 355.10-355.30 and 355 Appendices A & B).

Emergency Release Notification (40 CFR 355.40) (EPCRA Section 304)

Under Section 304 of EPCRA, a facility which produces, uses, or stores a hazardous chemical must immediately notify the designated state and local emergency response authorities if there is a release of a listed EHS or a hazardous substance that equals or exceeds the reportable quantity for that substance. Refer to Appendix A column 4 or 40 CFR 355 Appendices A & B for the EHSs. The hazardous substances are designated under CERCLA (see Appendix A column 5 or 40 CFR 302 Table 302.4). If the release is a CERCLA-listed hazardous substance, the National Response Center (NRC) in Washington, DC, must also be notified (1-800-424-8802). If the release is transportation-related, a 911 call will meet the requirement of notification to the state and local authorities. The NRC must always be contacted for reportable transportation-related releases.

The initial notice should give as much information as possible about the release as long as notification is not delayed. The initial notification of a release can be made by telephone, radio, or in person, but must be followed by a written notice to the state and local emergency response authorities as soon as practicable (40 CFR 355.40(b)(3)).

Community Right-to-Know Requirements

• **MSDS Reporting** (40 CFR 370.21)

Under Section 311 of EPCRA, those facilities which are required under OSHA's Hazard Communication Standard regulations to prepare or have Material Safety Data Sheets (MSDSs) available are also required to submit copies of the MSDSs (or corresponding lists as described below) to the state emergency response commission (SERC), local emergency planning committee (LEPC), and the fire department with jurisdiction over the facility. MSDSs (or corresponding lists) must be submitted for each hazardous chemical present at the facility according to the following thresholds:

- All hazardous chemicals present at the facility at any one time in amounts equal to or greater than 10,000 lb. (4540 kg) (Note: not all hazardous chemicals requiring an MSDS are listed in Appendix A; these are chemicals designated by OSHA under 29 CFR 1910.1200), and
- All extremely hazardous substances present at the facility in amounts equal to or greater than 500 lb. (227 kg - approximately 55 gallons) or the threshold planning quantity, whichever is lower (see Appendix A column 3).

If a hazardous chemical is present in a mixture, the facility can either provide information on the mixture or on each hazardous chemical component of the mixture.

Instead of submitting the MSDSs, the facility can submit a list of hazardous chemicals for which MSDSs are required, grouped by hazard category (e.g., immediate health hazard, delayed health hazard, fire hazard, sudden release of pressure hazard, and reactive hazard). The list must include the chemical or common name of each substance. If the facility provides a list, it must provide a copy of the MSDS for any chemical on the list within 30 days of a request from the local emergency planning committee.

If a new hazardous chemical exceeds the threshold limit or significant new information is discovered, the facility has 3 months to submit the revised list of chemicals or new MSDS.

• **Inventory Reporting** (40 CFR 370.25, 370.40, 370.41)

Under Section 312 of EPCRA, those facilities which are required under OSHA's Hazard Communication Standard regulations to prepare or have MSDSs available are also required to submit annual emergency and hazardous chemical inventory forms to the state emergency response commission, the local emergency planning committee, and the fire department which has jurisdiction over the facility. The Tier I form includes chemical categories, quantities, and locations of hazardous chemicals on-site. More detailed information may be requested by emergency response organizations, in which case facilities must submit a Tier II form within 30 days. Facilities also can choose to submit the Tier II form instead of a Tier I report. Either report must be submitted on or before March 1 of each year.

Protocol for Conducting Environmental Compliance Audits under EPCRA

The information in these reports does not include accidental releases or permitted discharges and is specifically targeted toward hazardous chemicals requiring MSDSs that are present on-site above the following threshold levels:

- All hazardous chemicals present at the facility at any one time in amounts equal to or greater than 10,000 lb. (4540 kg) (Note: not all hazardous chemicals requiring an MSDS are listed in Appendix A), and
- All extremely hazardous substances present at the facility in amounts equal to or greater than 500 lb. (227 kg - approximately 55 gallons) or the threshold planning quantity, whichever is lower (see Appendix A column 3).

Facilities who submit inventory forms must allow the fire department to inspect the site upon request and must provide specific location information about hazardous chemicals at the facility.

Toxic Chemical Release Reporting (40 CFR 372)

Section 313 of EPCRA and Section 6607 of the PPA require certain facilities to report to the federal and state governments the annual quantity of toxic chemicals (listed in 40 CFR 372.65) entering each environmental medium, either through normal operations or as the result of an accident, quantities transferred offsite in waste, as well as other information. Facilities subject to this requirement must submit to EPA and state officials a toxic chemical release form (Form R) for each toxic chemical manufactured, processed, or otherwise used in quantities exceeding minimum threshold values during the preceding calendar year. Facilities that have a "reportable waste quantity" of 500 pounds of a listed toxic chemical may take advantage of an alternate threshold of one million pounds. If the facility does not manufacture, process or otherwise use more than one million pounds, it may certify by filing a Form A certification statement rather than a Form R. Releases that must be reported include those to air, water, and land (including land disposal and underground injection). In addition, discharges to a POTW and transfers to off-site locations for treatment, disposal, energy recovery, and recycling must also be reported. Facilities must also report on the quantities of the chemicals treated, recycled, or combusted for energy recovery on-site.

Form R/Form A reports must be submitted to both the EPA and the state on or before July 1. Copies of Form R/Form A reports and related documentation must be kept at the facility for three years after the report is submitted.

The Pollution Prevention Act requires facilities subject to Form R/Form A reporting to also submit information on source reduction.

For further information regarding the EPCRA regulations, contact U.S. EPA's EPCRA, RCRA/UST, and Superfund Hotline at 800-424-9346 (or 703-412-9810 in the D.C. area) from 9 a.m. to 6 p.m., Monday through Friday.

This EPA hotline provides up-to-date information on regulations developed under EPCRA, as well as RCRA, CERCLA (Superfund), and the Oil Pollution Act. The hotline can assist with Section 112(r) of the Clean Air Act (CAA) and Spill Prevention, Control and Countermeasures (SPCC) regulations. The hotline also responds to requests for relevant documents and can direct the caller to additional tools that provide a more detailed discussion of specific regulatory requirements.

Key Terms and Definitions (40 CFR 355.20, 370.2, 372.3)

Commission or State Emergency Response Commission (SERC)

As of April 17, 1987, the governor of each state was required to have appointed a State Emergency Response Commissioner. For Indian tribes, commission means the emergency response commission for the tribe under whose jurisdiction the facility is located. In absence of an emergency response commission, the governor and the chief executive officer, respectively, shall be the commission. Where there is a cooperative agreement between a state and a tribe, the commission shall be the entity identified in the agreement.

Committee or Local Emergency Planning Committee (LEPC)

The local emergency planning committee appointed by the state emergency response commission.

Extremely Hazardous Substance

A substance listed in Appendices A and B of 40 CFR 355.

Facility

All buildings, equipment, structures, and other stationary items that are located on a single site or on contiguous or adjacent sites and which are owned or operated by the same person (or by any person which controls, is controlled by, or under common control with, such person). A facility may contain more than one establishment. Facility shall include manmade structures as well as all natural structures in which chemicals are purposefully placed or removed through human means such that it functions as a containment structure for human use. For purposes of emergency release notification, the term includes motor vehicles, rolling stock, and aircraft.

Full-time Employee

2000 hours per year of full-time equivalent employment. To calculate the number of full-time employees, total the hours worked during the calendar year by all employees, including contract employees, and divide the total by 2000 hours.

Hazardous Chemical

Any hazardous chemical as defined under 29 CFR 1910.1200(c), except for the following substances:

- 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 that 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 a 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 fertilizer held for sale by a retailer to the ultimate customer.

Import

To intend a chemical to be imported into the customs territory of the United States and to control the identity of the imported chemical and the amount to be imported.

Inventory Form

The Tier I and Tier II emergency and hazardous chemical inventory forms set forth in Subpart D of 40 CFR 370.

Material Safety Data Sheet or MSDS

The sheet required to be developed under 29 CFR 1910.1200(g).

Manufacture

To produce, prepare, import, or compound a toxic chemical. Manufacture also includes coincidental production of a toxic chemical during the manufacture, processing, use, or treatment of another chemical or mixture of chemicals, including a toxic chemical that is separated from that other chemical or mixture of chemicals as a byproduct, and a toxic chemical that remains in that other chemical or mixture as an impurity (>0.1% for carcinogens; otherwise >1%).

Management Practice

Practice that, although not mandated by law, is encouraged to promote safe operating procedures.

Mixture (EPCRA 311, 312, and 313)

Any combination of two or more chemicals, if the combination is not, in whole or in part, the result of a chemical reaction. However, if the combination was produced by a chemical reaction but could have been produced without a chemical reaction, it is also treated as a mixture. A mixture also includes any combination that consists of a chemical and associated impurities (40 CFR 372.3).

Mixture (EPCRA 304)

A heterogeneous association of substances where the various individual substances retain their identities and can usually be separated by mechanical means. Includes solutions or compounds but does not include alloys or amalgams (40 CFR 355.20).

Otherwise Use

Any use of a toxic chemical that is not covered by the terms “manufacture” or “process” and includes use of a toxic chemical contained in a mixture, trade name product or waste. Otherwise use includes use as a cleaner, degreaser, fuel, lubricant, chemical processing aid, manufacturing aid, or a chemical used for treating waste. Disposal, stabilization or treatment for destruction is not included unless the toxic chemical was received from off-site for further waste management or was manufactured as a result of waste management activities on materials received from off-site for further waste management. Relabeling or redistributing a container of a toxic chemical where no repackaging of the toxic chemical occurs is not included.

Process

The preparation of a listed toxic chemical, after its manufacture, for distribution in commerce:

- In the same or different form or physical state from which it was received by the person preparing such substance, or
- As part of an article containing the toxic chemical. Process also applies to the processing of a toxic chemical contained in a mixture or trade name product.

Release

Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles) of any hazardous chemical, extremely hazardous substance, or CERCLA hazardous substance.

Reportable Quantity

For a CERCLA hazardous substance, the reportable quantity is the amount established in 40 CFR 302 Table 302.4. For an extremely hazardous substance, the reportable quantity is the amount established in 40 CFR 355, Appendices A and B.

Threshold Planning Quantity

The threshold planning quantity for an extremely hazardous substance as listed in 40 CFR 355 Appendices A and B.

Toxic Chemical

A chemical or chemical category listed in 40 CFR 372.65.

Typical Records to Review

- Emergency response plan(s)
- Emergency Release Notification Reports
- Chemical inventory forms
- MSDSs
- Pollution prevention plan (optional)
- Tier I/Tier II reports
- Toxic chemical source reduction and recycling reports (for facilities subject to Form R reporting)
- Toxic release inventory (TRI) reports (Form R/Form A) and related documentation
- Hazardous communication plan
- Contingency plan.

Typical Physical Features to Inspect

- Chemical storage areas
- Chemical manufacturing or processing areas (generation sites)
- Recordkeeping system
- Shop activities
- Hazardous material/waste transfer areas
- Treatment units
- Recycling sites
- Disposal sites
- Surface impoundments

Index for Checklist Users

Category	Refer To	
	Checklist Items	Page Numbers
General	E.1 through E.3	7
Planning	E.4	7
Release Notification/Reporting	E.5 through E.8	8-11
Recordkeeping	E.9	12

Protocol for Conducting Environmental Compliance Audits under EPCRA

Checklist

Compliance Category: Emergency Planning and Community Right-to-Know Act (EPCRA)	
Regulatory Requirement or Management Practice:	Reviewer Checks:
General	
E.1 The current status of any ongoing or unresolved Consent Orders, Compliance Agreements, Notices of Violation (NOVs), or equivalent state enforcement actions should be examined.	Determine if noncompliance issues have been resolved by reviewing a copy of the previous report, Consent Orders, Compliance Agreements, NOVs, or equivalent state enforcement actions. For those open items, indicate what corrective action is planned and milestones established to correct problems.
E.2 Facilities are required to comply with all applicable federal regulatory requirements not contained in this checklist.	Determine if any new regulations have been issued since the finalization of the guide. If so, annotate checklist to include new standards. Determine if the facility has activities or facilities which are federally regulated, but not addressed in this checklist. Verify that the facility is in compliance with all applicable and newly issued regulations.
E.3 Facilities are required to abide by state and local regulations concerning hazardous materials.	Verify that the facility is abiding by state and local requirements. Verify that the facility is operating according to permits issued by the state or local agencies. (NOTE: Issues typically regulated by state and local agencies include: - Notification requirements - Response plan requirements - Spill response requirements.)
Planning	
E.4. Facilities with quantities of extremely hazardous substances equal to or greater than the threshold limits are required to follow specific emergency planning procedures (40 CFR 355.30 and 355 Appendices A & B).	Determine if the facility has any extremely hazardous substances in amounts equal to or greater than the limits listed in Appendix A column 3. Verify that the facility notified the state emergency response commission, or governor if there is no emergency response commission, that the facility is subject to emergency planning requirements within 60 days after the facility first became subject to these requirements. Determine whether the facility has representatives for contact by internal and external parties. Verify that the facility has notified the local emergency planning committee, or governor if there is no committee, of the facility environmental response coordinator. Verify that the facility is actively participating in off-site planning by interviewing the facility point of contact and reviewing the files. Verify that a procedure is in place to notify the local emergency planning committee of changes at the facility that are relevant to emergency planning.

Protocol for Conducting Environmental Compliance Audits under EPCRA

Compliance Category: Emergency Planning and Community Right-to-Know Act (EPCRA)	
Regulatory Requirement or Management Practice:	Reviewer Checks:
Release Notification/Reporting	
<p>E.5. Facilities where any hazardous chemical is produced, used or stored at which there is a release of a reportable quantity of any listed hazardous substance in amounts equal to or greater than the reportable quantity are required to provide emergency release notification (40 CFR 302, 355.40 and 355 Appendices A & B).</p>	<p>Determine if there has been a spill or release of an extremely hazardous substance (see Appendix A column 4) or a CERCLA hazardous substance (see Appendix A column 5) in an amount exceeding the reportable quantity.</p> <p>Verify that if a spill or release has occurred in excess of the reportable quantity, the facility immediately notified the following:</p> <ul style="list-style-type: none"> - Community emergency coordinator for the local emergency planning committee of any area likely to be affected by the release - State emergency response commission of any state likely to be affected by the release - Local emergency response personnel if there is no local emergency planning committee - The National Response Center if a CERCLA-listed hazardous substance was released - A 911 operator can be notified instead of state and local emergency organizations if the release is transportation-related. <p>Verify that the notice contained the following, to the extent known at the time of notice, so long as no delay in notice or emergency response resulted:</p> <ul style="list-style-type: none"> - The chemical name or identity of any substance involved in the release - An indication of whether the substance is an extremely hazardous substance - An estimate of the quantity that was released into the environment - The time and duration of the release - The medium or media into which the release occurred - Any known or anticipated acute or chronic health risks associated with the emergency and, where appropriate, advice regarding medical attention necessary for exposed individuals - Proper precautions to take as a result of the release, including evacuation (unless such information is readily available to the community emergency coordination because of the local emergency plan) - The names and telephone numbers of the persons to be contacted for further information. <p>Verify that after the immediate verbal notification, a follow-up written emergency notification was submitted to the SERC and LEPC which contained the same information detailed in the verbal notice plus:</p> <ul style="list-style-type: none"> - Actions taken to respond to and contain the release - Any known or anticipated acute or chronic health risks associated with the release - Advice regarding medical attention for exposed individuals, as necessary. <p>(NOTE: These release notification requirements do not apply to the following:</p> <ul style="list-style-type: none"> - Any release which results in exposure to persons solely within the boundaries of the facility and there is no potential for any part of the release to go off-site - Any release which is a federally permitted release as defined in CERCLA Section 101 - Any release that is continuous and stable in quantity and rate (initial notices, statistically significant increases, new releases and changes in the normal range of the release are not exempted) - Any release of a pesticide product exempt from CERCLA Section 103 reporting - Any release not meeting the CERCLA definition of a release - Any radionuclide release which occurs naturally in soil, from land disturbances except that which occurs at uranium, phosphate, tin, zircon, hafnium, vanadium, monazite, and rare earth mines (40 CFR 355.40(a)(2)(ii)) or from dumping or piles of coal and coal ash at utility and industrial facilities with coal-fired boilers.)

Protocol for Conducting Environmental Compliance Audits under EPCRA

Compliance Category: Emergency Planning and Community Right-to-Know Act (EPCRA)	
Regulatory Requirement or Management Practice:	Reviewer Checks:
<p>E.6. Facilities which are required to prepare or have available a MSDS for a hazardous chemical under OSHA are required to meet specific MSDS reporting requirements for planning purposes (40 CFR 370.20, 370.21, and 370.28).</p>	<p>Verify that MSDS sheets or a list as described below are submitted to the state emergency response commission (SERC), local emergency planning committee (LEPC) and the fire department with jurisdiction over the facility for each hazardous chemical present at the facility according to the following thresholds:</p> <ul style="list-style-type: none"> - All hazardous chemicals requiring MSDSs present at the facility at any one time in amounts equal to or greater than 10,000 lb. (4540 kg) (NOTE: Not all hazardous chemicals requiring an MSDS are listed in Appendix A. Commonly overlooked substances requiring MSDSs are propane, petroleum-based fuels, and many other mixtures and trade name products.) - All extremely hazardous substances present at the facility in amounts greater than or equal to 500 lb. (227 kg) or the threshold planning quantity, whichever is lower (see Appendix A column 3). <p>Verify that if the facility has not submitted MSDSs, the following have been submitted:</p> <ul style="list-style-type: none"> - A list of hazardous chemicals for which the MSDS is required, grouped by hazard category (e.g., immediate health hazard, delayed health hazard, fire hazard, sudden release of pressure hazard, and reactive hazard) - The chemical or common name of each hazardous chemical - Any hazardous component of each hazardous chemical unless reported as a mixture. <p>(NOTE: The facility may fulfill these reporting requirements for a hazardous chemical that is a mixture of hazardous chemicals by doing one of the following:</p> <ul style="list-style-type: none"> - Providing the required information on each hazardous component in the mixture, or - Providing the required information on the mixture itself.) <p>(NOTE: Although the facility may provide information either on the mixture or the hazardous components, in calculating whether the amount of EHSs meets the threshold, it must do so by component. In calculating the amounts present of non-EHS chemicals, the facility can consider either the mixture or the hazardous components, so long as it does so consistently throughout the facility.)</p> <p>Verify that revised MSDS sheets are provided within 3 months after the discovery of significant new information concerning the hazardous chemical or after a chemical crosses the threshold limit.</p>

Protocol for Conducting Environmental Compliance Audits under EPCRA

Compliance Category: Emergency Planning and Community Right-to-Know Act (EPCRA)	
Regulatory Requirement or Management Practice:	Reviewer Checks:
<p>E.7. Facilities which are required to prepare or have available a MSDS sheet for a hazardous chemical under OSHA are required to meet specific inventory reporting requirements for planning purposes (40 CFR 370.25, 370.40, and 370.41).</p>	<p>Verify that the Tier I (or Tier II) forms are submitted annually to the state emergency response commission (SERC), local emergency planning committee (LEPC) and the fire department with jurisdiction over the facility. Hazardous chemicals that must be included are:</p> <ul style="list-style-type: none"> - All hazardous chemicals requiring MSDSs present at the facility at any one time in amounts equal to or greater than 10,000 lb. (4540 kg) (NOTE: Not all hazardous chemicals requiring an MSDS are listed in Appendix A. Commonly overlooked substances requiring MSDSs are propane, petroleum-based fuels, and many other mixtures and trade name products.) - All extremely hazardous substances present at the facility in amounts greater than or equal to 500 lb. (227 kg) or the threshold planning quantity, whichever is lower (see Appendix A column 3). <p>(NOTE: The facility may fulfill these reporting requirements for a hazardous chemical that is a mixture of hazardous chemicals by doing one of the following:</p> <ul style="list-style-type: none"> - Providing the required information on each component in the mixture which is a hazardous chemical - Providing the required information on the mixture itself.) <p>(NOTE: Although the facility may provide information either on the mixture or the hazardous components, in calculating whether the amount of EHSs meets the threshold, it must do so by component. In calculating the amounts present of non-EHS chemicals, the facility can consider either the mixture or the hazardous components, so long as it does so consistently throughout the facility.)</p> <p>Verify that reports are submitted on or before March 1.</p>

Protocol for Conducting Environmental Compliance Audits under EPCRA

Compliance Category: Emergency Planning and Community Right-to-Know Act (EPCRA)	
Regulatory Requirement or Management Practice:	Reviewer Checks:
<p>E.8. Covered facilities that manufacture, process, or otherwise use a toxic chemical (see Appendix A column 6) are subject to certain reporting requirements (40 CFR 372.22-372.65).</p>	<p>Determine if the facility meets the criteria for a covered facility:</p> <ul style="list-style-type: none"> - Has 10 or more full-time employees; - Is in SIC codes 10 (except 1011, 1081 & 1094), 12 (except 1241), 20 through 39, 4911, 4931 (limited to facilities that combust coal and/or oil for the purpose of generating power for distribution in commerce), 4939 (limited to facilities that combust coal and/or oil for the purpose of generating power for distribution in commerce), 4953 (limited to facilities regulated under RCRA, Subtitle C), 5169, 5171, and 7389 (limited to facilities primarily engaged in solvent recovery services on a contract or fee basis); and - Manufactured, processed, or otherwise used a toxic chemical in excess of its threshold amounts noted below. <p>Determine if the facility exceeded the following threshold levels:</p> <ul style="list-style-type: none"> - Manufactured or processed 25,000 lb/yr [11,340 kg/yr] or more of a toxic chemical (Appendix A column 6). - Otherwise used 10,000 lb. [4540 kg] or more of a toxic chemical during the year. - When more than one threshold applies, if any threshold is exceeded then releases and other waste management activities associated with all activities (except those specifically exempt) must be reported. - When a facility manufactures, processes or otherwise uses more than one member of a chemical category listed in 40 CFR 372.65, if the total weight of all the members in that category exceeds the threshold, then it must be reported. <p>(NOTE: Some thresholds only apply to the manufacturer or for certain forms of a chemical (see 40 CFR 372.65).)</p> <p>(NOTE: Articles containing toxic chemicals are not included in calculations of total toxic chemical manufactured, processed, or used at the facility. See 40 CFR 372.30(b)(3) for procedure to determine whether a threshold has been exceeded.)</p> <p>Determine if supplier notification is required under 40 CFR 372.45 (required if a facility in SIC codes 20-39 sells or otherwise distributes a mixture or trade name product containing a toxic chemical to a covered facility).</p> <p>Verify that the facility annually submits a completed Form R/Form A to the EPA and state on or before July 1 for each toxic chemical exceeding a reporting threshold.</p>

Protocol for Conducting Environmental Compliance Audits under EPCRA

Compliance Category: Emergency Planning and Community Right-to-Know Act (EPCRA)	
Regulatory Requirement or Management Practice:	Reviewer Checks:
Recordkeeping	
<p>E.9. Covered facilities that manufacture, process, or otherwise use a toxic chemical in excess of a reporting threshold (see Appendix A column 6) are subject to certain recordkeeping requirements (40 CFR 372.10).</p>	<p>Verify that the facility retains the following records at the facility for 3 years:</p> <ul style="list-style-type: none"> - A copy of each toxic chemical release inventory report (EPA Form R or Form A) submitted. - All supporting materials and documentation used to determine if the facility is a covered facility under 372.22 or 372.45. - Documentation supporting the Form R report, including: <ul style="list-style-type: none"> -- Documentation supporting exemptions -- Data showing if a reporting threshold applies for each toxic chemical -- Calculations of the quantity of each reported chemical released or otherwise managed as waste including toxic chemicals in waste transferred off-site -- Use indications and quantity on-site reported, including dates of manufacturing, processing or otherwise use -- Documentation supporting estimates for releases and off-site transfers -- Receipts or manifests for off-site transfers of reported chemicals in waste -- Documentation supporting reported waste treatment methods, estimates of treatment efficiencies, ranges of influent concentration to such treatment, sequential nature of treatment steps (if applicable) and the actual operating data (if applicable) to support the waste treatment efficiency estimate for each reported chemical. - Supporting materials and documentation determining if supplier notification is required under 40 CFR 372.45 (required if a facility in SIC codes 20-39 sells or otherwise distributes a mixture or a product containing a toxic chemical to a covered facility). - Documentation used in developing, and copies of, such notices. - Documentation related to applying alternate thresholds (if applicable).

**Protocol for Conducting Environmental Compliance
Audits under the Emergency Planning and Community
Right-to-Know Act**

**Appendix A:
Consolidated List of Chemicals Covered in EPCRA**

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Protocol for Conducting Environmental Compliance Audits under EPCRA

Appendix A: Consolidated List of Chemicals Covered in EPCRA

Appendix A: Consolidated List of Chemicals Covered in EPCRA

This consolidated chemical list includes chemicals subject to reporting requirements under EPCRA and Section 112(r) of Title III of the Clean Air Act (CAA), but not all of the chemicals subject to EPCRA Sections 311 and 312 are included. Broad criteria, rather than enumeration, identify those hazardous chemicals for which Material Safety Data Sheets (MSDSs) must be developed under the Occupational Safety and Health Act Hazard Communication Standards. Over 500,000 chemicals satisfy those criteria. See 40 CFR 370 for more information.

This consolidated list has been prepared to help determine whether there is a need to submit reports under Sections 302, 304 or 313 of EPCRA and, for a specific chemical, what reports need to be submitted. It will also help firms determine whether they will be subject to accident prevention regulations under CAA Section 112(r).

The table is set up as follows, described by column. A blank in any of these columns indicates that the chemical is not subject to the corresponding statute:

1. *CAS numbers* - Column 1 contains the Chemical Abstract Service (CAS) registry number for each chemical on the list in increasing numerical order. Regulated categories of chemicals, which generally do not have CAS registry numbers, are at the end of the list.
2. *Covered Substances* – Names of the chemicals subject to reporting under EPCRA and CAA are listed in the second column. Long chemical names may have been truncated to fit in the column. More than one chemical name may be listed for one CAS number because the same chemical may appear under different names on different lists. For example, for CAS number 8001-35-2, the names toxaphene (from the Section 313 list), camphechlor (from the Section 302 list), and camphene, octachloro- (from the CERCLA list) all appear on this consolidated list. However, the chemicals listed under EPCRA, CERCLA, and CAA Section 112(r) have many more synonyms than appear on this list.

The CERCLA and EPCRA Section 313 lists include a number of chemical categories as well as specific chemicals. One category, high explosives, was listed under CAA Section 112(r). The explosives category has been proposed for deletion, and a stay of effectiveness is in place; therefore, this category is not included on this consolidated list. Categories appear on this consolidated list at the end of the CAS number listing. Specific chemicals listed as members of the diisocyanate and polycyclic aromatic compound (PAC) categories under EPCRA Section 313 are included in the list of specific chemicals by CAS number, not in the category listing. The chemicals on the consolidated list have not been systematically evaluated to determine whether they fall into any listed categories.

Some chemicals not specifically listed under CERCLA may be subject to CERCLA reporting as part of a category. For example, strychnine sulfate (CAS number 60-41-3), listed under EPCRA Section 302, is not individually listed on the CERCLA list, but is subject to CERCLA reporting under the listing for strychnine and salts (CAS number 57-24-9), with an RQ of 10 pounds. Similarly, nicotine sulfate (CAS number 65-30-5) is subject to CERCLA reporting under the listing for nicotine and salts (CAS number 54-11-5, RQ 100 pounds), and warfarin sodium (CAS number 129-06-6) is subject to CERCLA reporting under the listing for warfarin and salts, concentration >0.3% (CAS number 81-81-2, RQ 100 pounds). Note that some CERCLA listings, although they include CAS numbers, are for general categories and are not restricted to the specific CAS number (e.g., warfarin and salts). The CERCLA list also includes a number of generic categories that have not been assigned RQs; chemicals falling into these categories are considered CERCLA hazardous substances, but are not required to be reported under CERCLA unless otherwise listed under CERCLA with an RQ.

A number of chemical categories are subject to EPCRA Section 313 reporting. Be aware that certain chemicals listed under EPCRA Section 302, CERCLA, or CAA Section 112(r) may belong to Section 313 categories. For example, mercuric acetate (CAS number 1600-27-7), listed under Section 302, is not specifically listed under Section 313, but is subject to Section 313 reporting under "Mercury Compounds" (no CAS number).

Protocol for Conducting Environmental Compliance Audits under EPCRA

Appendix A: Consolidated List of Chemicals Covered in EPCRA

3. *EPCRA Section 302 Extremely Hazardous Substance TPQs* - The presence of extremely hazardous substances (EHSs) in sufficient quantities requires certain emergency planning and right-to-know reporting activities to be conducted. If a chemical is listed as an extremely hazardous substance under EPCRA Section 302, its threshold planning quantity (TPQ) is given, in pounds, in the EHS TPQ column (column 3). For chemicals that are solids, there may be two TPQs given (e.g., 500/10,000). In these cases, the lower quantity applies for solids in powder form with particle size less than 100 microns, or if the substance is in solution or in molten form. Otherwise, the higher TPQ applies. A list of all the extremely hazardous substances and their TPQs can be found in 40 CFR 355, Appendices A and B.
4. *EPCRA Section 302 Extremely Hazardous Substance RQs* - Releases of reportable quantities (RQs) of EHSs are subject to state and local reporting under Section 304 of EPCRA. EPA has promulgated a rule (61 FR 20473, May 7, 1996) that adjusted RQs for EHSs without CERCLA RQs to levels equal to their TPQs. The EHS RQ column lists these adjusted RQs for EHSs not listed under CERCLA and the RQs for EHSs that are CERCLA hazardous substances.
5. *CERCLA Hazardous Substance RQs* - Releases of CERCLA hazardous substances, in quantities equal to or greater than their RQ, are subject to reporting to the National Response Center under CERCLA. Releases of these substances are also subject to state and local reporting under Section 304 of EPCRA. Chemicals which are CERCLA hazardous substances have their RQs, in pounds, given in column 5. A list of all CERCLA hazardous substances and their RQs can be found in 40 CFR 302, Table 302.4.

Radionuclides listed under CERCLA are not provided in this list. Note: RCRA hazardous wastes are also omitted. Carbamate wastes under RCRA that have been added to the CERCLA list with statutory one-pound RQs are indicated by an asterisk (*) following the RQ. For metals listed under CERCLA (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc), no reporting of releases of the solid form is required if the diameter of the pieces of the solid metal released is 100 micrometers (0.004 inches) or greater. The RQs shown on the consolidated list apply to smaller particles.

6. *EPCRA Section 313 Toxic Chemicals* - Releases, transfers and waste management data for these substances must be reported annually as part of EPCRA's community right-to-know provisions. The notation "313" in the sixth column indicates that the chemical is subject to reporting under Section 313 and Section 6607 of the Pollution Prevention Act under the name listed. In cases where a chemical is listed under Section 313 with a second name in parentheses or brackets, the second name is included on this consolidated list with an "X" in the Section 313 column. An "X" in this column also may indicate that the same chemical with the same CAS number appears on another list with a different chemical name. For chemical categories reportable under Section 313, category codes for reporting are listed in this column. A list of all the toxic chemicals can be found in 40 CFR 372.65.

The symbol "#" following the "313" notation in the Section 313 column identifies diisocyanates, and the symbol "+" identifies PACs. Chemicals belonging to these categories are reportable under Section 313 by category, rather than by individual chemical name.

The listing for ammonia under Section 313 includes anhydrous ammonia and aqueous ammonia from water dissociable salts and other sources. Ten percent of total aqueous ammonia is reportable under this listing (see 40 CFR 372.65 for other qualifiers).

7. *RCRA Hazardous Wastes* - The letter-and-digit code in the seventh column is the chemical's RCRA hazardous waste code. The consolidated list includes specific chemicals from the RCRA P and U lists only (40 CFR 261.33). This listing is provided as an indicator that companies may already have data on a specific chemical that may be useful for EPCRA reporting. It is not intended to be a comprehensive list of RCRA P and U chemicals. RCRA hazardous wastes consisting of waste streams on the F and K lists, and wastes exhibiting the characteristics of ignitability, corrosivity, reactivity, and toxicity, are not included here. See 40 CFR Part 302, Table 302.4, or 40 CFR Part 261 for complete descriptions of F and K waste streams.

Protocol for Conducting Environmental Compliance Audits under EPCRA

Appendix A: Consolidated List of Chemicals Covered in EPCRA

Carbamate wastes with one-pound statutory RQs are indicated by an asterisk (*) after the RQ.

8. *CAA Section 112(r) List of Substances for Accidental Release Prevention* - The CAA TQ column shows the threshold quantities (TQs), in pounds, for certain toxic, flammable and highly explosive substances. The list and TQs will assist facilities in determining if they are subject to accident prevention regulations. The list of substances and TQs and the requirements for risk management programs for accidental release prevention are found in 40 CFR 68. This consolidated list includes both the common name for each listed chemical under Section 112(r) and the chemical name, if different from the common name, as separate listings.

The CAA Section 112(r) list includes several substances in solution that are covered only in concentrations above a specified level. These substances include: ammonia (concentration 20% or greater) (CAS number 7664-41-7); hydrochloric acid (30% or greater) (7647-01-0); hydrogen fluoride/hydrofluoric acid (50% or greater) (7664-39-3); and nitric acid (80% or greater) (7697-37-2). Hydrogen chloride (anhydrous) and ammonia (anhydrous) are listed, in addition to the solutions of these substances, with different TQs. Only the anhydrous form of sulfur dioxide (7446-09-5) is covered. These substances are presented on the consolidated list with the concentration limit or specified form (e.g., anhydrous), as they are listed under CAA Section 112(r).

Source of consolidated list:

This table was taken from the EPA publication *Title III List of Lists: Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-to-Know Act (EPCRA) and Section 112(r) of the Clean Air Act, as Amended*, EPA-550-B-96-015. A dBASE version of this consolidated list, with a print program, is available for downloading from the Internet at <http://www.epa.gov/swercepp/tools.html>. A PDF version of this document is available at <http://www.epa.gov/swercepp/pubs.html> under General Publications.

Questions concerning changes to the list or other aspects of EPCRA and Section 112(r) of the Clean Air Act may be addressed to:

Emergency Planning and Community Right-to-Know Act Hotline
U.S. Environmental Protection Agency (5104)
410 M Street, SW
Washington, DC 20460
800-424-9346 or 703-412-9810 (TDD: 800-553-7672 or 703-412-3323)
9:00 AM to 6:00 PM (EST), Monday – Friday

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Protocol for Conducting Environmental Compliance Audits under EPCRA
Appendix A: Consolidated List of Chemicals Covered in EPCRA

1	2	3	4	5	6	7	8
CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
50-00-0	Formaldehyde	500	100	100	313	U122	15,000
50-00-0	Formaldehyde (solution)	500	100	100	X	U122	15,000
50-07-7	Mitomycin C	500/10,000	10	10		U010	
50-14-6	Ergocalciferol	1,000/10,000	1,000				
50-18-0	Cyclophosphamide			10		U058	
50-29-3	DDT			1		U061	
50-32-8	Benzo[a]pyrene			1	313+	U022	
50-55-5	Reserpine			5,000		U200	
51-03-6	Piperonyl butoxide				313		
51-21-8	Fluorouracil	500/10,000	500		313		
51-21-8	5-Fluorouracil	500/10,000	500		X		
51-28-5	2,4-Dinitrophenol			10	313	P048	
51-43-4	Epinephrine			1,000		P042	
51-75-2	Nitrogen mustard	10	10		313		
51-75-2	2-Chloro-N-(2-chloroethyl)-N-methylethanamine	10	10		X		
51-75-2	Mechlorethamine	10	10		X		
51-79-6	Urethane			100	313	U238	
51-79-6	Carbamic acid, ethyl ester			100	X	U238	
51-79-6	Ethyl carbamate			100	X	U238	
51-83-2	Carbachol chloride	500/10,000	500				
52-51-7	2-Bromo-2-nitropropane-1,3-diol				313		
52-51-7	Bronopol				X		
52-68-6	Trichlorfon			100	313		
52-68-6	Phosphonic acid, (2,2,2-trichloro-1-hydroxyethyl)-,dimethyl ester			100	X		
52-85-7	Famphur			1,000	313	P097	
53-70-3	Dibenz[a,h]anthracene			1	313+	U063	
53-96-3	2-Acetylaminofluorene			1	313	U005	
54-11-5	Nicotine	100	100	100		P075	
54-11-5	Nicotine and salts			100		P075	
54-11-5	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-,(S)-	100	100	100		P075	
54-62-6	Aminopterin	500/10,000	500				
55-18-5	N-Nitrosodiethylamine			1	313	U174	
55-21-0	Benzamide				313		
55-38-9	Fenthion				313		
55-38-9	O,O-Dimethyl O-(3-methyl-4-(methylthio) phenyl) ester, phosphorothioic acid				X		
55-63-0	Nitroglycerin			10	313	P081	
55-91-4	Diisopropylfluorophosphate	100	100	100		P043	
55-91-4	Isofluorphate	100	100	100		P043	
56-04-2	Methylthiouracil			10		U164	
56-23-5	Carbon tetrachloride			10	313	U211	
56-25-7	Cantharidin	100/10,000	100				
56-35-9	Bis(tributyltin) oxide				313		
56-38-2	Parathion	100	10	10	313	P089	
56-38-2	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester	100	10	10	X	P089	
56-49-5	3-Methylcholanthrene			10		U157	
56-53-1	Diethylstilbestrol			1		U089	
56-55-3	Benz[a]anthracene			10	313+	U018	
56-72-4	Coumaphos	100/10,000	10	10			
57-12-5	Cyanides (soluble salts and complexes)			10		P030	

This document is intended solely for guidance. No statutory or regulatory requirements are in any way altered by any statement(s) contained herein.

Protocol for Conducting Environmental Compliance Audits under EPCRA
Appendix A: Consolidated List of Chemicals Covered in EPCRA

1	2	3	4	5	6	7	8
CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
57-14-7	1,1-Dimethyl hydrazine	1,000	10	10	313	U098	15,000
57-14-7	Dimethylhydrazine	1,000	10	10	X	U098	15,000
57-14-7	Hydrazine, 1,1-dimethyl-	1,000	10	10	X	U098	15,000
57-24-9	Strychnine	100/10,000	10	10		P108	
57-24-9	Strychnine, and salts			10		P108	
57-33-0	Pentobarbital sodium				313		
57-41-0	Phenytoin				313		
57-47-6	Physostigmine	100/10,000	1*	1*		P204	
57-57-8	beta-Propiolactone	500	10	10	313		
57-64-7	Physostigmine, salicylate (1:1)	100/10,000	1*	1*		P188	
57-74-9	Chlordane	1,000	1	1	313	U036	
57-74-9	4,7-Methanoindan, 1,2,3,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	1,000	1	1	X	U036	
57-97-6	7,12-Dimethylbenz[a]anthracene			1	313+	U094	
58-36-6	Phenoxarsine, 10,10'-oxydi-	500/10,000	500				
58-89-9	Lindane	1,000/10,000	1	1	313	U129	
58-89-9	Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha,2.alpha,3.beta,4.alpha,5.alpha,6.beta.)-	1,000/10,000	1	1	X	U129	
58-89-9	Hexachlorocyclohexane (gamma isomer)	1,000/10,000	1	1	X	U129	
58-90-2	2,3,4,6-Tetrachlorophenol			10			
59-50-7	p-Chloro-m-cresol			5,000		U039	
59-88-1	Phenylhydrazine hydrochloride	1,000/10,000	1,000				
59-89-2	N-Nitrosomorpholine			1	313		
60-00-4	Ethylenediamine-tetraacetic acid (EDTA)			5,000			
60-09-3	4-Aminoazobenzene				313		
60-11-7	4-Dimethylaminoazobenzene			10	313	U093	
60-11-7	Dimethylaminoazobenzene			10	X	U093	
60-29-7	Ethane, 1,1'-oxybis-			100		U117	10,000
60-29-7	Ethyl ether			100		U117	10,000
60-34-4	Methyl hydrazine	500	10	10	313	P068	15,000
60-34-4	Hydrazine, methyl-	500	10	10	X	P068	15,000
60-35-5	Acetamide			100	313		
60-41-3	Strychnine, sulfate	100/10,000	10	10			
60-51-5	Dimethoate	500/10,000	10	10	313	P044	
60-57-1	Dieldrin			1		P037	
61-82-5	Amitrole			10	313	U011	
62-38-4	Phenylmercuric acetate	500/10,000	100	100		P092	
62-38-4	Phenylmercury acetate	500/10,000	100	100		P092	
62-44-2	Phenacetin			100		U187	
62-50-0	Ethyl methanesulfonate			1		U119	
62-53-3	Aniline	1,000	5,000	5,000	313	U012	
62-55-5	Thioacetamide			10	313	U218	
62-56-6	Thiourea			10	313	U219	
62-73-7	Dichlorvos	1,000	10	10	313		
62-73-7	Phosphoric acid, 2-dichloroethyl dimethyl ester	1,000	10	10	X		
62-74-8	Sodium fluoroacetate	10/10,000	10	10	313	P058	
62-74-8	Fluoroacetic acid, sodium salt	10/10,000	10	10	X	P058	
62-75-9	N-Nitrosodimethylamine	1,000	10	10	313	P082	
62-75-9	Methanamine, N-methyl-N-nitroso-	1,000	10	10	X	P082	
62-75-9	Nitrosodimethylamine	1,000	10	10	X	P082	
63-25-2	Carbaryl			100	313	U279	

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Protocol for Conducting Environmental Compliance Audits under EPCRA
Appendix A: Consolidated List of Chemicals Covered in EPCRA

1	2	3	4	5	6	7	8
CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
63-25-2	1-Naphthalenol, methylcarbamate			100	X	U279	
64-00-6	Phenol, 3-(1-methylethyl)-, methylcarbamate	500/10,000	1*	1*		P202	
64-18-6	Formic acid			5,000	313	U123	
64-19-7	Acetic acid			5,000			
64-67-5	Diethyl sulfate			10	313		
64-75-5	Tetracycline hydrochloride				313		
64-86-8	Colchicine	10/10,000	10				
65-30-5	Nicotine sulfate	100/10,000	100	100			
65-85-0	Benzoic acid			5,000			
66-75-1	Uracil mustard			10		U237	
66-81-9	Cycloheximide	100/10,000	100				
67-56-1	Methanol			5,000	313	U154	
67-63-0	Isopropyl alcohol (mfg-strong acid process)				313		
67-64-1	Acetone			5,000		U002	
67-66-3	Chloroform	10,000	10	10	313	U044	20,000
67-66-3	Methane, trichloro-	10,000	10	10	X	U044	20,000
67-72-1	Hexachloroethane			100	313	U131	
68-12-2	N,N-Dimethylformamide			100	313		
68-12-2	Dimethylformamide			100	X		
68-76-8	Triaziquone				313		
68-76-8	2,5-Cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-				X		
70-25-7	Guanidine, N-methyl-N'-nitro-N-nitroso-			10		U163	
70-30-4	Hexachlorophene			100	313	U132	
70-69-9	Propiophenone, 4'-amino	100/10,000	100				
71-36-3	n-Butyl alcohol			5,000	313	U031	
71-43-2	Benzene			10	313	U019	
71-55-6	1,1,1-Trichloroethane			1,000	313	U226	
71-55-6	Methyl chloroform			1,000	X	U226	
71-63-6	Digitoxin	100/10,000	100				
72-20-8	Endrin	500/10,000	1	1		P051	
72-43-5	Methoxychlor			1	313	U247	
72-43-5	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis [4-methoxy-			1	X	U247	
72-54-8	DDD			1		U060	
72-55-9	DDE			1			
72-57-1	Trypan blue			10	313	U236	
74-82-8	Methane						10,000
74-83-9	Bromomethane	1,000	1,000	1,000	313	U029	
74-83-9	Methyl bromide	1,000	1,000	1,000	X	U029	
74-84-0	Ethane						10,000
74-85-1	Ethylene				313		10,000
74-85-1	Ethene				X		10,000
74-86-2	Acetylene						10,000
74-86-2	Ethyne						10,000
74-87-3	Chloromethane			100	313	U045	10,000
74-87-3	Methane, chloro-			100	X	U045	10,000
74-87-3	Methyl chloride			100	X	U045	10,000
74-88-4	Methyl iodide			100	313	U138	
74-89-5	Methanamine			100			10,000
74-89-5	Monomethylamine			100			10,000

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Number		TPQ	RQ	RQ	313	Code	TQ
74-90-8	Hydrogen cyanide	100	10	10	313	P063	2,500
74-90-8	Hydrocyanic acid	100	10	10	X	P063	2,500
74-93-1	Methyl mercaptan	500	100	100	313	U153	10,000
74-93-1	Methanethiol	500	100	100	X	U153	10,000
74-93-1	Thiomethanol	500	100	100	X	U153	10,000
74-95-3	Methylene bromide			1,000	313	U068	
74-98-6	Propane						10,000
74-99-7	1-Propyne						10,000
74-99-7	Propyne						10,000
75-00-3	Chloroethane			100	313		10,000
75-00-3	Ethane, chloro-			100	X		10,000
75-00-3	Ethyl chloride			100	X		10,000
75-01-4	Vinyl chloride			1	313	U043	10,000
75-01-4	Ethene, chloro-			1	X	U043	10,000
75-02-5	Ethene, fluoro-						10,000
75-02-5	Vinyl fluoride						10,000
75-04-7	Ethanamine			100			10,000
75-04-7	Monoethylamine			100			10,000
75-05-8	Acetonitrile			5,000	313	U003	
75-07-0	Acetaldehyde			1,000	313	U001	10,000
75-08-1	Ethanethiol						10,000
75-08-1	Ethyl mercaptan						10,000
75-09-2	Dichloromethane			1,000	313	U080	
75-09-2	Methylene chloride			1,000	X	U080	
75-15-0	Carbon disulfide	10,000	100	100	313	P022	20,000
75-19-4	Cyclopropane						10,000
75-20-7	Calcium carbide			10			
75-21-8	Ethylene oxide	1,000	10	10	313	U115	10,000
75-21-8	Oxirane	1,000	10	10	X	U115	10,000
75-25-2	Bromoform			100	313	U225	
75-25-2	Tribromomethane			100	X	U225	
75-27-4	Dichlorobromomethane			5,000	313		
75-28-5	Isobutane						10,000
75-28-5	Propane, 2-methyl						10,000
75-29-6	Isopropyl chloride						10,000
75-29-6	Propane, 2-chloro-						10,000
75-31-0	Isopropylamine						10,000
75-31-0	2-Propanamine						10,000
75-34-3	Ethylidene Dichloride			1,000	313	U076	
75-34-3	1,1-Dichloroethane			1,000	X	U076	
75-35-4	Vinylidene chloride			100	313	U078	10,000
75-35-4	1,1-Dichloroethylene			100	X	U078	10,000
75-35-4	Ethene, 1,1-dichloro-			100	X	U078	10,000
75-36-5	Acetyl chloride			5,000		U006	
75-37-6	Difluoroethane						10,000
75-37-6	Ethane, 1,1-difluoro-						10,000
75-38-7	Ethene, 1,1-difluoro-						10,000
75-38-7	Vinylidene fluoride						10,000
75-43-4	Dichlorofluoromethane				313		

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Number		TPQ	RQ	RQ	313	Code	TQ
75-43-4	HCFC-21				X		
75-44-5	Phosgene	10	10	10	313	P095	500
75-44-5	Carbonic dichloride	10	10	10	X	P095	500
75-45-6	Chlorodifluoromethane				313		
75-45-6	HCFC-22				X		
75-50-3	Methanamine, N,N-dimethyl-			100			10,000
75-50-3	Trimethylamine			100			10,000
75-55-8	Propyleneimine	10,000	1	1	313	P067	10,000
75-55-8	Aziridine, 2-methyl	10,000	1	1	X	P067	10,000
75-56-9	Propylene oxide	10,000	100	100	313		10,000
75-56-9	Oxirane, methyl-	10,000	100	100	X		10,000
75-60-5	Cacodylic acid			1		U136	
75-63-8	Bromotrifluoromethane				313		
75-63-8	Halon 1301				X		
75-64-9	tert-Butylamine			1,000			
75-65-0	tert-Butyl alcohol				313		
75-68-3	1-Chloro-1,1-difluoroethane				313		
75-68-3	HCFC-142b				X		
75-69-4	Trichlorofluoromethane			5,000	313	U121	
75-69-4	CFC-11			5,000	X	U121	
75-69-4	Trichloromonofluoromethane			5,000	X	U121	
75-71-8	Dichlorodifluoromethane			5,000	313	U075	
75-71-8	CFC-12			5,000	X	U075	
75-72-9	Chlorotrifluoromethane				313		
75-72-9	CFC-13				X		
75-74-1	Plumbane, tetramethyl-	100	100				10,000
75-74-1	Tetramethyllead	100	100				10,000
75-76-3	Silane, tetramethyl-						10,000
75-76-3	Tetramethylsilane						10,000
75-77-4	Trimethylchlorosilane	1,000	1,000		313		10,000
75-77-4	Silane, chlorotrimethyl-	1,000	1,000		X		10,000
75-78-5	Dimethyldichlorosilane	500	500		313		5,000
75-78-5	Silane, dichlorodimethyl-	500	500		X		5,000
75-79-6	Methyltrichlorosilane	500	500		313		5,000
75-79-6	Silane, trichloromethyl-	500	500		X		5,000
75-86-5	2-Methylacetonitrile	1,000	10	10	313	P069	
75-86-5	Acetone cyanohydrin	1,000	10	10	X	P069	
75-87-6	Acetaldehyde, trichloro-			5,000		U034	
75-88-7	2-Chloro-1,1,1-trifluoroethane				313		
75-88-7	HCFC-133a				X		
75-99-0	2,2-Dichloropropionic acid			5,000			
76-01-7	Pentachloroethane			10	313	U184	
76-02-8	Trichloroacetyl chloride	500	500		313		
76-06-2	Chloropicrin				313		
76-13-1	Freon 113				313		
76-13-1	Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-				X		
76-14-2	Dichlorotetrafluoroethane				313		
76-14-2	CFC-114				X		
76-15-3	Monochloropentafluoroethane				313		

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Number		TPQ	RQ	RQ	313	Code	TQ
76-15-3	CFC-115				X		
76-44-8	Heptachlor			1	313	P059	
76-44-8	1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene			1	X	P059	
76-87-9	Triphenyltin hydroxide				313		
77-47-4	Hexachlorocyclopentadiene	100	10	10	313	U130	
77-73-6	Dicyclopentadiene				313		
77-78-1	Dimethyl sulfate	500	100	100	313	U103	
77-81-6	Tabun	10	10				
78-00-2	Tetraethyl lead	100	10	10		P110	
78-34-2	Dioxathion	500	500				
78-48-8	S,S,S-Tributyltrithiophosphate				313		
78-48-8	DEF				X		
78-53-5	Amiton	500	500				
78-59-1	Isophorone			5,000			
78-71-7	Oxetane, 3,3-bis(chloromethyl)-	500	500				
78-78-4	Butane, 2-methyl-						10,000
78-78-4	Isopentane						10,000
78-79-5	1,3-Butadiene, 2-methyl-			100			10,000
78-79-5	Isoprene			100			10,000
78-81-9	iso-Butylamine			1,000			
78-82-0	Isobutyronitrile	1,000	1,000				20,000
78-82-0	Propanenitrile, 2-methyl-	1,000	1,000				20,000
78-83-1	Isobutyl alcohol			5,000		U140	
78-84-2	Isobutyraldehyde				313		
78-87-5	1,2-Dichloropropane			1,000	313	U083	
78-87-5	Propane 1,2-dichloro-			1,000	X	U083	
78-88-6	2,3-Dichloropropene			100	313		
78-92-2	sec-Butyl alcohol				313		
78-93-3	Methyl ethyl ketone			5,000	313	U159	
78-93-3	Methyl ethyl ketone (MEK)			5,000	X	U159	
78-94-4	Methyl vinyl ketone	10	10				
78-97-7	Lactonitrile	1,000	1,000				
78-99-9	1,1-Dichloropropane			1,000			
79-00-5	1,1,2-Trichloroethane			100	313	U227	
79-01-6	Trichloroethylene			100	313	U228	
79-06-1	Acrylamide	1,000/10,000	5,000	5,000	313	U007	
79-09-4	Propionic acid			5,000			
79-10-7	Acrylic acid			5,000	313	U008	
79-11-8	Chloroacetic acid	100/10,000	100	100	313		
79-19-6	Thiosemicarbazide	100/10,000	100	100	313	P116	
79-21-0	Peracetic acid	500	500		313		10,000
79-21-0	Ethaneperoxy acid	500	500		X		10,000
79-22-1	Methyl chlorocarbonate	500	1,000	1,000	313	U156	5,000
79-22-1	Carbonochloridic acid, methylester	500	1,000	1,000	X	U156	5,000
79-22-1	Methyl chloroformate	500	1,000	1,000	X	U156	5,000
79-31-2	iso-Butyric acid			5,000			
79-34-5	1,1,2,2-Tetrachloroethane			100	313	U209	
79-38-9	Ethene, chlorotrifluoro-						10,000
79-38-9	Trifluorochloroethylene						10,000

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CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
79-44-7	Dimethylcarbamyl chloride			1	313	U097	
79-46-9	2-Nitropropane			10	313	U171	
80-05-7	4,4'-Isopropylidenediphenol				313		
80-15-9	Cumene hydroperoxide			10	313	U096	
80-15-9	Hydroperoxide, 1-methyl-1-phenylethyl-			10	X	U096	
80-62-6	Methyl methacrylate			1,000	313	U162	
80-63-7	Methyl 2-chloroacrylate	500	500				
81-07-2	Saccharin and salts			100		U202	
81-07-2	Saccharin (manufacturing)			100	313	U202	
81-81-2	Warfarin	500/10,000	100	100	X	P001	
81-81-2	Warfarin, & salts, conc.>0.3%			100	X	P001	
81-88-9	C.I. Food Red 15				313		
82-28-0	1-Amino-2-methylantraquinone				313		
82-66-6	Diphacinone	10/10,000	10				
82-68-8	Quintozene			100	313	U185	
82-68-8	PCNB			100	X	U185	
82-68-8	Pentachloronitrobenzene			100	X	U185	
83-32-9	Acenaphthene			100			
84-66-2	Diethyl phthalate			1,000		U088	
84-74-2	Dibutyl phthalate			10	313	U069	
84-74-2	n-Butyl phthalate			10	X	U069	
85-00-7	Diquat			1,000			
85-01-8	Phenanthrene			5,000	313		
85-44-9	Phthalic anhydride			5,000	313	U190	
85-68-7	Butyl benzyl phthalate			100			
86-30-6	N-Nitrosodiphenylamine			100	313		
86-50-0	Azinphos-methyl	10/10,000	1	1			
86-50-0	Guthion	10/10,000	1	1			
86-73-7	Fluorene			5,000			
86-88-4	Antu	500/10,000	100	100		P072	
86-88-4	Thiourea, 1-naphthalenyl-	500/10,000	100	100		P072	
87-62-7	2,6-Xylidine				313		
87-65-0	2,6-Dichlorophenol			100		U082	
87-68-3	Hexachloro-1,3-butadiene			1	313	U128	
87-68-3	Hexachlorobutadiene			1	X	U128	
87-86-5	Pentachlorophenol			10	313		
87-86-5	PCP			10	X		
88-05-1	Aniline, 2,4,6-trimethyl-	500	500				
88-06-2	2,4,6-Trichlorophenol			10	313		
88-72-2	o-Nitrotoluene			1,000			
88-75-5	2-Nitrophenol			100	313		
88-85-7	Dinitrobutyl phenol	100/10,000	1,000	1,000	313	P020	
88-85-7	Dinoseb	100/10,000	1,000	1,000	X	P020	
88-89-1	Picric acid				313		
90-04-0	o-Anisidine			100	313		
90-43-7	2-Phenylphenol				313		
90-94-8	Michler's ketone				313		
91-08-7	Toluene-2,6-diisocyanate	100	100	100	313		10,000
91-08-7	Benzene, 1,3-diisocyanato-2-methyl-	100	100	100	X		10,000

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Number		TPQ	RQ	RQ	313	Code	TQ
91-20-3	Naphthalene			100	313	U165	
91-22-5	Quinoline			5,000	313		
91-58-7	2-Chloronaphthalene			5,000		U047	
91-59-8	beta-Naphthylamine			10	313	U168	
91-66-7	N,N-Diethylaniline			1,000			
91-80-5	Methapyrilene			5,000		U155	
91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate				313#		
91-94-1	3,3'-Dichlorobenzidine			1	313	U073	
91-97-4	3,3'-Dimethyl-4,4'-diphenylene diisocyanate				313#		
92-52-4	Biphenyl			100	313		
92-67-1	4-Aminobiphenyl			1	313		
92-87-5	Benzidine			1	313	U021	
92-93-3	4-Nitrobiphenyl			10	313		
93-65-2	Mecoprop				313		
93-72-1	Silvex (2,4,5-TP)			100			
93-76-5	2,4,5-T acid			1,000		U232	
93-79-8	2,4,5-T esters			1,000			
94-11-1	2,4-D isopropyl ester			100	313		
94-11-1	2,4-D Esters			100	X		
94-36-0	Benzoyl peroxide				313		
94-58-6	Dihydrosafrole			10	313	U090	
94-59-7	Safrole			100	313	U203	
94-74-6	Methoxone				313		
94-74-6	(4-Chloro-2-methylphenoxy) acetic acid				X		
94-74-6	MCPA				X		
94-75-7	2,4-D, salts and esters			100		U240	
94-75-7	2,4-D			100	313	U240	
94-75-7	Acetic acid, (2,4-dichlorophenoxy)-			100	X	U240	
94-75-7	2,4-D Acid			100	X	U240	
94-79-1	2,4-D Esters			100			
94-80-4	2,4-D butyl ester			100	313		
94-80-4	2,4-D Esters			100	X		
94-82-6	2,4-DB				313		
95-06-7	Sulfallate			1*		U277	
95-47-6	o-Xylene			1,000	313	U239	
95-47-6	Benzene, o-dimethyl-			1,000	X	U239	
95-48-7	o-Cresol	1,000/10,000	100	100	313	U052	
95-50-1	1,2-Dichlorobenzene			100	313	U070	
95-50-1	o-Dichlorobenzene			100	X	U070	
95-53-4	o-Toluidine			100	313	U328	
95-54-5	1,2-Phenylenediamine				313		
95-57-8	2-Chlorophenol			100		U048	
95-63-6	1,2,4-Trimethylbenzene				313		
95-69-2	p-Chloro-o-toluidine				313		
95-80-7	2,4-Diaminotoluene			10	313		
95-94-3	1,2,4,5-Tetrachlorobenzene			5,000		U207	
95-95-4	2,4,5-Trichlorophenol			10	313		
96-09-3	Styrene oxide			100	313		
96-12-8	1,2-Dibromo-3-chloropropane			1	313	U066	

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Number		TPQ	RQ	RQ	313	Code	TQ
96-12-8	DBCP			1	X	U066	
96-18-4	1,2,3-Trichloropropane				313		
96-33-3	Methyl acrylate				313		
96-45-7	Ethylene thiourea			10	313	U116	
97-23-4	Dichlorophene				313		
97-23-4	2,2'-Methylenebis(4-chlorophenol)				X		
97-56-3	C.I. Solvent Yellow 3				313		
97-63-2	Ethyl methacrylate			1,000		U118	
97-74-5	Bis(dimethylthiocarbamoyl) sulfide			1*		U401	
97-77-8	Disulfiram			1*		U403	
98-01-1	Furfural			5,000		U125	
98-05-5	Benzene arsonic acid	10/10,000	10				
98-07-7	Benzoic trichloride	100	10	10	313	U023	
98-07-7	Benzotrichloride	100	10	10	X	U023	
98-09-9	Benzenesulfonyl chloride			100		U020	
98-13-5	Trichlorophenylsilane	500	500				
98-16-8	Benzenamine, 3-(trifluoromethyl)-	500	500				
98-82-8	Cumene			5,000	313	U055	
98-86-2	Acetophenone			5,000	313	U004	
98-87-3	Benzal chloride	500	5,000	5,000	313	U017	
98-88-4	Benzoyl chloride			1,000	313		
98-95-3	Nitrobenzene	10,000	1,000	1,000	313	U169	
99-08-1	m-Nitrotoluene			1,000			
99-30-9	Dichloran				313		
99-30-9	2,6-Dichloro-4-nitroaniline				X		
99-35-4	1,3,5-Trinitrobenzene			10		U234	
99-55-8	5-Nitro-o-toluidine			100	313	U181	
99-59-2	5-Nitro-o-anisidine				313		
99-65-0	m-Dinitrobenzene			100	313		
99-98-9	Dimethyl-p-phenylenediamine	10/10,000	10				
99-99-0	p-Nitrotoluene			1,000			
100-01-6	p-Nitroaniline			5,000	313	P077	
100-02-7	4-Nitrophenol			100	313	U170	
100-02-7	p-Nitrophenol			100	X	U170	
100-14-1	Benzene, 1-(chloromethyl)-4-nitro-	500/10,000	500				
100-25-4	p-Dinitrobenzene			100	313		
100-41-4	Ethylbenzene			1,000	313		
100-42-5	Styrene			1,000	313		
100-44-7	Benzyl chloride	500	100	100	313	P028	
100-47-0	Benzonitrile			5,000			
100-75-4	N-Nitrosopiperidine			10	313	U179	
101-05-3	Anilazine				313		
101-05-3	4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine				X		
101-14-4	4,4'-Methylenebis(2-chloroaniline)			10	313	U158	
101-14-4	MBOCA			10	X	U158	
101-27-9	Barban			1*		U280	
101-55-3	4-Bromophenyl phenyl ether			100		U030	
101-61-1	4,4'-Methylenebis(N,N-dimethyl)benzenamine				313		
101-68-8	Methylenebis(phenylisocyanate)			5,000	313#		

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Protocol for Conducting Environmental Compliance Audits under EPCRA
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1	2	3	4	5	6	7	8
CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
101-68-8	MDI			5,000	X		
101-77-9	4,4'-Methylenedianiline			10	313		
101-80-4	4,4'-Diaminodiphenyl ether				313		
101-90-6	Diglycidyl resorcinol ether				313		
102-36-3	Isocyanic acid, 3,4-dichlorophenyl ester	500/10,000	500				
103-85-5	Phenylthiourea	100/10,000	100	100		P093	
104-12-1	p-Chlorophenyl isocyanate				313		
104-49-4	1,4-Phenylene diisocyanate				313#		
104-94-9	p-Anisidine				313		
105-46-4	sec-Butyl acetate			5,000			
105-60-2	Caprolactam			5,000			
105-67-9	2,4-Dimethylphenol			100	313	U101	
106-42-3	p-Xylene			100	313	U239	
106-42-3	Benzene, p-dimethyl-			100	X	U239	
106-44-5	p-Cresol			100	313	U052	
106-46-7	1,4-Dichlorobenzene			100	313	U072	
106-47-8	p-Chloroaniline			1,000	313	P024	
106-49-0	p-Toluidine			100		U353	
106-50-3	p-Phenylenediamine			5,000	313		
106-51-4	Quinone			10	313	U197	
106-51-4	p-Benzoquinone			10	X	U197	
106-88-7	1,2-Butylene oxide			100	313		
106-89-8	Epichlorohydrin	1,000	100	100	313	U041	20,000
106-89-8	Oxirane, (chloromethyl)-	1,000	100	100	X	U041	20,000
106-93-4	1,2-Dibromoethane			1	313	U067	
106-93-4	Ethylene dibromide			1	X	U067	
106-96-7	Propargyl bromide	10	10				
106-97-8	Butane						10,000
106-98-9	1-Butene						10,000
106-99-0	1,3-Butadiene			10	313		10,000
107-00-6	1-Butyne						10,000
107-00-6	Ethyl acetylene						10,000
107-01-7	2-Butene						10,000
107-02-8	Acrolein	500	1	1	313	P003	5,000
107-02-8	2-Propenal	500	1	1	X	P003	5,000
107-05-1	Allyl chloride			1,000	313		
107-06-2	1,2-Dichloroethane			100	313	U077	
107-06-2	Ethylene dichloride			100	X	U077	
107-07-3	Chloroethanol	500	500				
107-10-8	n-Propylamine			5,000		U194	
107-11-9	Allylamine	500	500		313		10,000
107-11-9	2-Propen-1-amine	500	500		X		10,000
107-12-0	Ethyl cyanide	500	10	10		P101	10,000
107-12-0	Propanenitrile	500	10	10		P101	10,000
107-12-0	Propionitrile	500	10	10		P101	10,000
107-13-1	Acrylonitrile	10,000	100	100	313	U009	20,000
107-13-1	2-Propenenitrile	10,000	100	100	X	U009	20,000
107-15-3	1,2-Ethanediamine	10,000	5,000	5,000			20,000
107-15-3	Ethylenediamine	10,000	5,000	5,000			20,000

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CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
107-16-4	Formaldehyde cyanohydrin	1,000	1,000				
107-18-6	Allyl alcohol	1,000	100	100	313	P005	15,000
107-18-6	2-Propen-1-ol	1,000	100	100	X	P005	15,000
107-19-7	Propargyl alcohol			1,000	313	P102	
107-20-0	Chloroacetaldehyde			1,000		P023	
107-21-1	Ethylene glycol			5,000	313		
107-25-5	Ethene, methoxy-						10,000
107-25-5	Vinyl methyl ether						10,000
107-30-2	Chloromethyl methyl ether	100	10	10	313	U046	5,000
107-30-2	Methane, chloromethoxy-	100	10	10	X	U046	5,000
107-31-3	Formic acid, methyl ester						10,000
107-31-3	Methyl formate						10,000
107-44-8	Sarin	10	10				
107-49-3	Tepp	100	10	10		P111	
107-49-3	Tetraethyl pyrophosphate	100	10	10		P111	
107-92-6	Butyric acid			5,000			
108-05-4	Vinyl acetate	1,000	5,000	5,000	313		15,000
108-05-4	Acetic acid ethenyl ester	1,000	5,000	5,000	X		15,000
108-05-4	Vinyl acetate monomer	1,000	5,000	5,000	X		15,000
108-10-1	Methyl isobutyl ketone			5,000	313	U161	
108-23-6	Carbonochloridic acid, 1-methylethyl ester	1,000	1,000				15,000
108-23-6	Isopropyl chloroformate	1,000	1,000				15,000
108-24-7	Acetic anhydride			5,000			
108-31-6	Maleic anhydride			5,000	313	U147	
108-38-3	m-Xylene			1,000	313	U239	
108-38-3	Benzene, m-dimethyl-			1,000	X	U239	
108-39-4	m-Cresol			100	313	U052	
108-45-2	1,3-Phenylenediamine				313		
108-46-3	Resorcinol			5,000		U201	
108-60-1	Bis(2-chloro-1-methylethyl)ether			1,000	313	U027	
108-60-1	Dichloroisopropyl ether			1,000	X	U027	
108-88-3	Toluene			1,000	313	U220	
108-90-7	Chlorobenzene			100	313	U037	
108-91-8	Cyclohexanamine	10,000	10,000				15,000
108-91-8	Cyclohexylamine	10,000	10,000				15,000
108-93-0	Cyclohexanol				313		
108-94-1	Cyclohexanone			5,000		U057	
108-95-2	Phenol	500/10,000	1,000	1,000	313	U188	
108-98-5	Benzenethiol	500	100	100		P014	
108-98-5	Thiophenol	500	100	100		P014	
109-06-8	2-Methylpyridine			5,000	313	U191	
109-06-8	2-Picoline			5,000	X	U191	
109-61-5	Carbonochloridic acid, propylester	500	500				15,000
109-61-5	Propyl chloroformate	500	500				15,000
109-66-0	Pentane						10,000
109-67-1	1-Pentene						10,000
109-73-9	Butylamine			1,000			
109-77-3	Malononitrile	500/10,000	1,000	1,000	313	U149	
109-86-4	2-Methoxyethanol				313		

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CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
109-89-7	Diethylamine			100			
109-92-2	Ethene, ethoxy-						10,000
109-92-2	Vinyl ethyl ether						10,000
109-95-5	Ethyl nitrite						10,000
109-95-5	Nitrous acid, ethyl ester						10,000
109-99-9	Furan, tetrahydro-			1,000		U213	
110-00-9	Furan	500	100	100		U124	5,000
110-16-7	Maleic acid			5,000			
110-17-8	Fumaric acid			5,000			
110-19-0	iso-Butyl acetate			5,000			
110-54-3	n-Hexane			5,000	313		
110-54-3	Hexane			5,000	X		
110-57-6	trans-1,4-Dichloro-2-butene	500	500		313		
110-57-6	trans-1,4-Dichlorobutene	500	500		X		
110-75-8	2-Chloroethyl vinyl ether			1,000		U042	
110-80-5	2-Ethoxyethanol			1,000	313	U359	
110-80-5	Ethanol, 2-ethoxy-			1,000	X	U359	
110-82-7	Cyclohexane			1,000	313	U056	
110-86-1	Pyridine			1,000	313	U196	
110-89-4	Piperidine	1,000	1,000				15,000
111-42-2	Diethanolamine			100	313		
111-44-4	Bis(2-chloroethyl) ether	10,000	10	10	313	U025	
111-44-4	Dichloroethyl ether	10,000	10	10	X	U025	
111-54-6	Ethylenebisdithiocarbamic acid, salts & esters			5,000	X	U114	
111-69-3	Adiponitrile	1,000	1,000				
111-91-1	Bis(2-chloroethoxy) methane			1,000	313	U024	
114-26-1	Propoxur			100	313	U411	
114-26-1	Phenol, 2-(1-methylethoxy)-, methylcarbamate			100	X	U411	
115-02-6	Azaserine			1		U015	
115-07-1	Propylene				313		10,000
115-07-1	Propene				X		10,000
115-07-1	1-Propene				X		10,000
115-10-6	Methane, oxybis-						10,000
115-10-6	Methyl ether						10,000
115-11-7	2-Methylpropene						10,000
115-11-7	1-Propene, 2-methyl-						10,000
115-21-9	Trichloroethylsilane	500	500				
115-26-4	Dimefox	500	500				
115-28-6	Chlorendic acid				313		
115-29-7	Endosulfan	10/10,000	1	1		P050	
115-32-2	Dicofol			10	313		
115-32-2	Benzenemethanol, 4-chloro-.alpha.-4-chlorophenyl)-.alpha.-(trichloromethyl)-			10	X		
115-90-2	Fensulfothion	500	500				
116-06-3	Aldicarb	100/10,000	1	1	313	P070	
116-14-3	Ethene, tetrafluoro-						10,000
116-14-3	Tetrafluoroethylene						10,000
117-79-3	2-Aminoanthraquinone				313		
117-80-6	Dichlone			1			
117-81-7	Di(2-ethylhexyl) phthalate			100	313	U028	

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Protocol for Conducting Environmental Compliance Audits under EPCRA
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1	2	3	4	5	6	7	8
CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
117-81-7	Bis(2-ethylhexyl)phthalate			100	X	U028	
117-81-7	DEHP			100	X	U028	
117-84-0	n-Dioctylphthalate			5,000		U107	
117-84-0	Di-n-octyl phthalate			5,000		U107	
118-74-1	Hexachlorobenzene			10	313	U127	
119-38-0	Isopropylmethylpyrazolyl dimethylcarbamate	500	1*	1*		P192	
119-90-4	3,3'-Dimethoxybenzidine			100	313	U091	
119-93-7	3,3'-Dimethylbenzidine			10	313	U095	
119-93-7	o-Tolidine			10	X	U095	
120-12-7	Anthracene			5,000	313		
120-36-5	2,4-DP				313		
120-54-7	Piperidine, 1,1'-(tetrathiodicarbonothioyl)-bis-			1*		U400	
120-58-1	Isosafrole			100	313	U141	
120-71-8	p-Cresidine				313		
120-80-9	Catechol			100	313		
120-82-1	1,2,4-Trichlorobenzene			100	313		
120-83-2	2,4-Dichlorophenol			100	313	U081	
121-14-2	2,4-Dinitrotoluene			10	313	U105	
121-21-1	Pyrethrins			1			
121-29-9	Pyrethrins			1			
121-44-8	Triethylamine			5,000	313	U404	
121-69-7	N,N-Dimethylaniline			100	313		
121-75-5	Malathion			100	313		
122-09-8	Benzeneethanamine, alpha,alpha-dimethyl-			5,000		P046	
122-34-9	Simazine				313		
122-39-4	Diphenylamine				313		
122-42-9	Propham			1*		U373	
122-66-7	1,2-Diphenylhydrazine			10	313	U109	
122-66-7	Hydrazine, 1,2-diphenyl-			10	X	U109	
122-66-7	Hydrazobenzene			10	X	U109	
123-31-9	Hydroquinone	500/10,000	100	100	313		
123-33-1	Maleic hydrazide			5,000		U148	
123-38-6	Propionaldehyde			1,000	313		
123-61-5	1,3-Phenylene diisocyanate				313#		
123-62-6	Propionic anhydride			5,000			
123-63-7	Paraldehyde			1,000	313	U182	
123-72-8	Butyraldehyde				313		
123-73-9	2-Butenal, (e)-	1,000	100	100		U053	20,000
123-73-9	Crotonaldehyde, (E)-	1,000	100	100		U053	20,000
123-86-4	Butyl acetate			5,000			
123-91-1	1,4-Dioxane			100	313	U108	
123-92-2	iso-Amyl acetate			5,000			
124-04-9	Adipic acid			5,000			
124-40-3	Dimethylamine			1,000	313	U092	10,000
124-40-3	Methanamine, N-methyl-			1,000	X	U092	10,000
124-41-4	Sodium methylate			1,000			
124-48-1	Chlorodibromomethane			100			
124-65-2	Sodium cacodylate	100/10,000	100				
124-73-2	Dibromotetrafluoroethane				313		

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CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
124-73-2	Halon 2402				X		
124-87-8	Picrotoxin	500/10,000	500				
126-72-7	Tris(2,3-dibromopropyl) phosphate			10	313	U235	
126-98-7	Methacrylonitrile	500	1,000	1,000	313	U152	10,000
126-98-7	2-Propenenitrile, 2-methyl-	500	1,000	1,000	X	U152	10,000
126-99-8	Chloroprene			100	313		
127-18-4	Tetrachloroethylene			100	313	U210	
127-18-4	Perchloroethylene			100	X	U210	
127-82-2	Zinc phenolsulfonate			5,000			
128-03-0	Potassium dimethyldithiocarbamate			1*	313	U383	
128-04-1	Sodium dimethyldithiocarbamate			1*	313	U382	
128-66-5	C.I. Vat Yellow 4				313		
129-00-0	Pyrene	1,000/10,000	5,000	5,000			
129-06-6	Warfarin sodium	100/10,000	100	100			
130-15-4	1,4-Naphthoquinone			5,000		U166	
131-11-3	Dimethyl phthalate			5,000	313	U102	
131-52-2	Sodium pentachlorophenate				313		
131-74-8	Ammonium picrate			10		P009	
131-89-5	2-Cyclohexyl-4,6-dinitrophenol			100		P034	
132-27-4	Sodium o-phenylphenoxide				313		
132-64-9	Dibenzofuran			100	313		
133-06-2	Captan			10	313		
133-06-2	1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-			10	X		
133-07-3	Folpet				313		
133-90-4	Chloramben			100	313		
133-90-4	Benzoic acid, 3-amino-2,5-dichloro-			100	X		
134-29-2	o-Anisidine hydrochloride				313		
134-32-7	alpha-Naphthylamine			100	313	U167	
135-20-6	Cupferron				313		
135-20-6	Benzeneamine, N-hydroxy-N-nitroso, ammonium salt				X		
136-30-1	Carbamodithioic acid, dibutyl-, sodium salt			1*		U379	
136-45-8	Dipropyl isocinchomeronate				313		
137-26-8	Thiram			10	313	U244	
137-29-1	Copper, bis(dimethylcarbamodithioato-S,S')-			1*		U393	
137-30-4	Ziram			1*		P205	
137-41-7	Potassium N-methyldithiocarbamate			1*	313	U377	
137-42-8	Metham sodium			1*	313	U384	
137-42-8	Sodium methyldithiocarbamate			1*	X	U384	
138-93-2	Disodium cyanodithioimidocarbonate				313		
139-13-9	Nitrilotriacetic acid				313		
139-25-3	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate				313#		
139-65-1	4,4'-Thiodianiline				313		
140-29-4	Benzyl cyanide	500	500				
140-76-1	Pyridine, 2-methyl-5-vinyl-	500	500				
140-88-5	Ethyl acrylate			1,000	313	U113	
141-32-2	Butyl acrylate				313		
141-66-2	Dicrotophos	100	100				
141-78-6	Ethyl acetate			5,000		U112	
142-28-9	1,3-Dichloropropane			5,000			

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Number		TPQ	RQ	RQ	313	Code	TQ
142-59-6	Nabam				313		
142-71-2	Cupric acetate			100			
142-84-7	Dipropylamine			5,000		U110	
143-33-9	Sodium cyanide (Na(CN))	100	10	10		P106	
143-50-0	Kepone			1		U142	
144-34-3	Selenium, tetrakis(dimethyldithiocarbamate)			1*		U376	
144-49-0	Fluoroacetic acid	10/10,000	10				
145-73-3	Endothall			1,000		P088	
148-18-5	Carbamodithioic acid, diethyl-, sodium salt			1*		U381	
148-79-8	Thiabendazole				313		
148-79-8	2-(4-Thiazolyl)-1H-benzimidazole				X		
148-82-3	Melphalan			1		U150	
149-30-4	2-Mercaptobenzothiazole				313		
149-30-4	MBT				X		
149-74-6	Dichloromethylphenylsilane	1,000	1,000				
150-50-5	Merphos				313		
150-68-5	Monuron				313		
151-38-2	Methoxyethylmercuric acetate	500/10,000	500				
151-50-8	Potassium cyanide	100	10	10		P098	
151-56-4	Ethyleneimine	500	1	1	313	P054	10,000
151-56-4	Aziridine	500	1	1	X	P054	10,000
152-16-9	Diphosphoramidate, octamethyl-	100	100	100		P085	
156-10-5	p-Nitrosodiphenylamine				313		
156-60-5	1,2-Dichloroethylene			1,000		U079	
156-62-7	Calcium cyanamide			1,000	313		
189-55-9	Benzo(rst)pentaphene			10	313+	U064	
189-55-9	Dibenz[a,i]pyrene			10	X	U064	
189-64-0	Dibenzo(a,h)pyrene				313+		
191-24-2	Benzo[ghi]perylene			5,000			
191-30-0	Dibenzo(a,l)pyrene				313+		
192-65-4	Dibenzo(a,e)pyrene				313+		
193-39-5	Indeno(1,2,3-cd)pyrene			100	313+	U137	
194-59-2	7H-Dibenzo(c,g)carbazole				313+		
205-82-3	Benzo(j)fluoranthene				313+		
205-99-2	Benzo[b]fluoranthene			1	313+		
206-44-0	Fluoranthene			100		U120	
207-08-9	Benzo(k)fluoranthene			5,000	313+		
208-96-8	Acenaphthylene			5,000			
218-01-9	Benzo(a)phenanthrene			100	313+	U050	
218-01-9	Chrysene			100	X	U050	
224-42-0	Dibenz(a,j)acridine				313+		
225-51-4	Benz[c]acridine			100		U016	
226-36-8	Dibenz(a,h)acridine				313+		
297-78-9	Isobenzan	100/10,000	100				
297-97-2	O,O-Diethyl O-pyrazinyl phosphorothioate	500	100	100		P040	
297-97-2	Thionazin	500	100	100		P040	
298-00-0	Methyl parathion	100/10,000	100	100	313	P071	
298-00-0	Parathion-methyl	100/10,000	100	100	X	P071	
298-02-2	Phorate	10	10	10		P094	

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Protocol for Conducting Environmental Compliance Audits under EPCRA
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1	2	3	4	5	6	7	8
CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
298-04-4	Disulfoton	500	1	1		P039	
300-62-9	Amphetamine	1,000	1,000				
300-76-5	Naled			10	313		
301-04-2	Lead acetate			10		U144	
301-12-2	Oxydemeton methyl				313		
301-12-2	S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl ester phosphorothioic acid				X		
302-01-2	Hydrazine	1,000	1	1	313	U133	15,000
303-34-4	Lasiocarpine			10		U143	
305-03-3	Chlorambucil			10		U035	
306-83-2	2,2-Dichloro-1,1,1-trifluoroethane				313		
306-83-2	HCFC-123				X		
309-00-2	Aldrin	500/10,000	1	1	313	P004	
309-00-2	1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-	500/10,000	1	1	X	P004	
311-45-5	Diethyl-p-nitrophenyl phosphate			100		P041	
314-40-9	Bromacil				313		
314-40-9	5-Bromo-6-methyl-3-(1-methylpropyl)-2,4-(1H,3H)-pyrimidinedione				X		
315-18-4	Mexacarbate	500/10,000	1,000	1,000		P199	
316-42-7	Emetine, dihydrochloride	1/10,000	1				
319-84-6	alpha-Hexachlorocyclohexane			10	313		
319-84-6	alpha-BHC			10	X		
319-85-7	beta-BHC			1			
319-86-8	delta-BHC			1			
327-98-0	Trichloronate	500	500				
329-71-5	2,5-Dinitrophenol			10			
330-54-1	Diuron			100	313		
330-55-2	Linuron				313		
333-41-5	Diazinon			1	313		
334-88-3	Diazomethane			100	313		
353-42-4	Boron trifluoride compound with methyl ether (1:1)	1,000	1,000				15,000
353-42-4	Boron, trifluoro[oxybis[methane]]-, (T-4)-	1,000	1,000				15,000
353-50-4	Carbonic difluoride			1,000		U033	
353-59-3	Bromochlorodifluoromethane				313		
353-59-3	Halon 1211				X		
354-11-0	1,1,1,2-Tetrachloro-2-fluoroethane				313		
354-11-0	HCFC-121a				X		
354-14-3	1,1,2,2-Tetrachloro-1-fluoroethane				313		
354-14-3	HCFC-121				X		
354-23-4	1,2-Dichloro-1,1,2-trifluoroethane				313		
354-23-4	HCFC-123a				X		
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane				313		
354-25-6	HCFC-124a				X		
357-57-3	Brucine			100	313	P018	
359-06-8	Fluoroacetyl chloride	10	10				
371-62-0	Ethylene fluorohydrin	10	10				
379-79-3	Ergotamine tartrate	500/10,000	500				
422-44-6	1,2-Dichloro-1,1,2,3,3-pentafluoropropane				313		
422-44-6	HCFC-225bb				X		
422-48-0	2,3-Dichloro-1,1,1,2,3-pentafluoropropane				313		
422-48-0	HCFC-225ba				X		

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Number		TPQ	RQ	RQ	313	Code	TQ
422-56-0	3,3-Dichloro-1,1,1,2,2-pentafluoropropane				313		
422-56-0	HCFC-225ca				X		
431-86-7	1,2-Dichloro-1,1,3,3,3-pentafluoropropane				313		
431-86-7	HCFC-225da				X		
460-19-5	Cyanogen			100		P031	10,000
460-19-5	Ethanedinitrile			100		P031	10,000
460-35-5	3-Chloro-1,1,1-trifluoropropane				313		
460-35-5	HCFC-253fb				X		
463-49-0	1,2-Propadiene						10,000
463-49-0	Propadiene						10,000
463-58-1	Carbonyl sulfide			100	313		10,000
463-58-1	Carbon oxide sulfide (COS)			100	X		10,000
463-82-1	2,2-Dimethylpropane						10,000
463-82-1	Propane, 2,2-dimethyl-						10,000
465-73-6	Isodrin	100/10,000	1	1	313	P060	
470-90-6	Chlorfenvinfos	500	500				
492-80-8	C.I. Solvent Yellow 34			100	313	U014	
492-80-8	Auramine			100	X	U014	
494-03-1	Chlornaphazine			100		U026	
496-72-0	Diaminotoluene			10		U221	
502-39-6	Methylmercuric dicyanamide	500/10,000	500				
504-24-5	4-Aminopyridine	500/10,000	1,000	1,000		P008	
504-24-5	Pyridine, 4-amino-	500/10,000	1,000	1,000		P008	
504-60-9	1,3-Pentadiene			100		U186	10,000
505-60-2	Mustard gas	500	500		313		
505-60-2	Ethane, 1,1'-thiobis[2-chloro-	500	500		X		
506-61-6	Potassium silver cyanide	500	1	1		P099	
506-64-9	Silver cyanide			1		P104	
506-68-3	Cyanogen bromide	500/10,000	1,000	1,000		U246	
506-77-4	Cyanogen chloride			10		P033	10,000
506-77-4	Cyanogen chloride ((CN)Cl)			10		P033	10,000
506-78-5	Cyanogen iodide	1,000/10,000	1,000				
506-87-6	Ammonium carbonate			5,000			
506-96-7	Acetyl bromide			5,000			
507-55-1	1,3-Dichloro-1,1,2,2,3-pentafluoropropane				313		
507-55-1	HCFC-225cb				X		
509-14-8	Methane, tetranitro-	500	10	10		P112	10,000
509-14-8	Tetranitromethane	500	10	10		P112	10,000
510-15-6	Chlorobenzilate			10	313	U038	
510-15-6	Benzeneacetic acid, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-hydroxy-, ethyl ester			10	X	U038	
513-49-5	sec-Butylamine			1,000			
514-73-8	Dithiazanine iodide	500/10,000	500				
528-29-0	o-Dinitrobenzene			100	313		
532-27-4	2-Chloroacetophenone			100	313		
533-74-4	Dazomet			1*	313	U366	
533-74-4	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione			1*	X	U366	
534-07-6	Bis(chloromethyl) ketone	10/10,000	10				
534-52-1	4,6-Dinitro-o-cresol and salts			10		P047	
534-52-1	4,6-Dinitro-o-cresol	10/10,000	10	10	313	P047	

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Number		TPQ	RQ	RQ	313	Code	TQ
534-52-1	Dinitroresol	10/10,000	10	10	X	P047	
535-89-7	Crimidine	100/10,000	100				
538-07-8	Ethylbis(2-chloroethyl)amine	500	500				
540-59-0	1,2-Dichloroethylene				313		
540-73-8	Hydrazine, 1,2-dimethyl-			1		U099	
540-84-1	2,2,4-Trimethylpentane			1,000			
540-88-5	tert-Butyl acetate			5,000			
541-09-3	Uranyl acetate			100			
541-25-3	Lewisite	10	10				
541-41-3	Ethyl chloroformate				313		
541-53-7	2,4-Dithiobiuret	100/10,000	100	100	313	P049	
541-53-7	Dithiobiuret	100/10,000	100	100	X	P049	
541-73-1	1,3-Dichlorobenzene			100	313	U071	
542-62-1	Barium cyanide			10		P013	
542-75-6	1,3-Dichloropropylene			100	313	U084	
542-75-6	1,3-Dichloropropene			100	X	U084	
542-76-7	3-Chloropropionitrile	1,000	1,000	1,000	313	P027	
542-76-7	Propionitrile, 3-chloro-	1,000	1,000	1,000	X	P027	
542-88-1	Bis(chloromethyl) ether	100	10	10	313	P016	1,000
542-88-1	Chloromethyl ether	100	10	10	X	P016	1,000
542-88-1	Dichloromethyl ether	100	10	10	X	P016	1,000
542-88-1	Methane, oxybis[chloro-	100	10	10	X	P016	1,000
542-90-5	Ethylthiocyanate	10,000	10,000				
543-90-8	Cadmium acetate			10			
544-18-3	Cobaltous formate			1,000			
544-92-3	Copper cyanide			10		P029	
554-13-2	Lithium carbonate				313		
554-84-7	m-Nitrophenol			100			
555-77-1	Tris(2-chloroethyl)amine	100	100				
556-61-6	Methyl isothiocyanate	500	500		313		
556-61-6	Isothiocyanatomethane	500	500		X		
556-64-9	Methyl thiocyanate	10,000	10,000				20,000
556-64-9	Thiocyanic acid, methyl ester	10,000	10,000				20,000
557-19-7	Nickel cyanide			10		P074	
557-21-1	Zinc cyanide			10		P121	
557-34-6	Zinc acetate			1,000			
557-41-5	Zinc formate			1,000			
557-98-2	2-Chloropropylene						10,000
557-98-2	1-Propene, 2-chloro-						10,000
558-25-8	Methanesulfonyl fluoride	1,000	1,000				
563-12-2	Ethion	1,000	10	10			
563-41-7	Semicarbazide hydrochloride	1,000/10,000	1,000				
563-45-1	3-Methyl-1-butene						10,000
563-46-2	2-Methyl-1-butene						10,000
563-47-3	3-Chloro-2-methyl-1-propene				313		
563-68-8	Thallium(I) acetate			100		U214	
569-64-2	C.I. Basic Green 4				313		
573-56-8	2,6-Dinitrophenol			10			
576-26-1	2,6-Dimethylphenol				313		

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Number		TPQ	RQ	RQ	313	Code	TQ
584-84-9	Toluene-2,4-diisocyanate	500	100	100	313		10,000
584-84-9	Benzene, 2,4-diisocyanato-1-methyl-	500	100	100	X		10,000
590-18-1	2-Butene-cis						10,000
590-21-6	1-Chloropropylene						10,000
590-21-6	1-Propene, 1-chloro-						10,000
591-08-2	1-Acetyl-2-thiourea			1,000		P002	
592-01-8	Calcium cyanide			10		P021	
592-04-1	Mercuric cyanide			1			
592-85-8	Mercuric thiocyanate			10			
592-87-0	Lead thiocyanate			10			
593-60-2	Vinyl bromide			100	313		
594-42-3	Perchloromethyl mercaptan	500	100	100	313		10,000
594-42-3	Methanesulfonyl chloride, trichloro-	500	100	100	X		10,000
594-42-3	Trichloromethanesulfonyl chloride	500	100	100	X		10,000
597-64-8	Tetraethyltin	100	100				
598-31-2	Bromoacetone			1,000		P017	
598-73-2	Bromotrifluoroethylene						10,000
598-73-2	Ethene, bromotrifluoro-						10,000
606-20-2	2,6-Dinitrotoluene			100	313	U106	
608-93-5	Pentachlorobenzene			10		U183	
609-19-8	3,4,5-Trichlorophenol			10			
610-39-9	3,4-Dinitrotoluene			10			
612-82-8	3,3'-Dimethylbenzidine dihydrochloride				313		
612-82-8	o-Tolidine dihydrochloride				X		
612-83-9	3,3'-Dichlorobenzidine dihydrochloride				313		
614-78-8	Thiourea, (2-methylphenyl)-	500/10,000	500				
615-05-4	2,4-Diaminoanisole				313		
615-28-1	1,2-Phenylenediamine dihydrochloride				313		
615-53-2	N-Nitroso-N-methylurethane			1		U178	
621-64-7	N-Nitrosodi-n-propylamine			10	313	U111	
621-64-7	Di-n-propylnitrosamine			10	X	U111	
624-18-0	1,4-Phenylenediamine dihydrochloride				313		
624-64-6	2-Butene, (E)						10,000
624-64-6	2-Butene-trans						10,000
624-83-9	Methyl isocyanate	500	10	10	313	P064	10,000
624-83-9	Methane, isocyanato-	500	10	10	X	P064	10,000
625-16-1	tert-Amyl acetate			5,000			
626-38-0	sec-Amyl acetate			5,000			
627-11-2	Chloroethyl chloroformate	1,000	1,000				
627-20-3	2-Pentene, (Z)-						10,000
628-63-7	Amyl acetate			5,000			
628-86-4	Mercury fulminate			10		P065	
630-10-4	Selenourea			1,000		P103	
630-20-6	1,1,1,2-Tetrachloroethane			100	313	U208	
630-20-6	Ethane, 1,1,1,2-tetrachloro-			100	X	U208	
630-60-4	Ouabain	100/10,000	100				
631-61-8	Ammonium acetate			5,000			
636-21-5	o-Tolidine hydrochloride			100	313	U222	
639-58-7	Triphenyltin chloride	500/10,000	500		313		

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Number		TPQ	RQ	RQ	313	Code	TQ
640-19-7	Fluoroacetamide	100/10,000	100	100		P057	
644-64-4	Dimetilan	500/10,000	1*	1*		P191	
646-04-8	2-Pentene, (E)-						10,000
675-14-9	Cyanuric fluoride	100	100				
676-97-1	Methyl phosphonic dichloride	100	100				
680-31-9	Hexamethylphosphoramidate			1	313		
684-93-5	N-Nitroso-N-methylurea			1	313	U177	
689-97-4	1-Buten-3-yne						10,000
689-97-4	Vinyl acetylene						10,000
692-42-2	Diethylarsine			1		P038	
696-28-6	Dichlorophenylarsine	500	1	1		P036	
696-28-6	Phenyl dichloroarsine	500	1	1		P036	
709-98-8	Propanil				313		
709-98-8	N-(3,4-Dichlorophenyl)propanamide				X		
732-11-6	Phosmet	10/10,000	10				
757-58-4	Hexaethyl tetraphosphate			100		P062	
759-73-9	N-Nitroso-N-ethylurea			1	313	U176	
759-94-4	Ethyl dipropylthiocarbamate			1*	313	U390	
759-94-4	EPTC			1*	X	U390	
760-93-0	Methacrylic anhydride	500	500				
764-41-0	1,4-Dichloro-2-butene			1	313	U074	
764-41-0	2-Butene, 1,4-dichloro-			1	X	U074	
765-34-4	Glycidylaldehyde			10		U126	
786-19-6	Carbophenothion	500	500				
812-04-4	1,1-Dichloro-1,2,2-trifluoroethane				313		
812-04-4	HCFC-123b				X		
814-49-3	Diethyl chlorophosphate	500	500				
814-68-6	Acrylyl chloride	100	100				5,000
814-68-6	2-Propenoyl chloride	100	100				5,000
815-82-7	Cupric tartrate			100			
822-06-0	Hexamethylene-1,6-diisocyanate			100	313#		
823-40-5	Diaminotoluene			10		U221	
824-11-3	Trimethylolpropane phosphite	100/10,000	100				
834-12-8	Ametryn				313		
834-12-8	N-Ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5,-triazine-2,4-diamine				X		
842-07-9	C.I. Solvent Yellow 14				313		
872-50-4	N-Methyl-2-pyrrolidone				313		
900-95-8	Stannane, acetoxyltriphenyl-	500/10,000	500				
919-86-8	Demeton-S-methyl	500	500				
920-46-7	Methacryloyl chloride	100	100				
924-16-3	N-Nitrosodi-n-butylamine			10	313	U172	
924-42-5	N-Methylolacrylamide				313		
930-55-2	N-Nitrosopyrrolidine			1		U180	
933-75-5	2,3,6-Trichlorophenol			10			
933-78-8	2,3,5-Trichlorophenol			10			
944-22-9	Fonofos	500	500				
947-02-4	Phosfolan	100/10,000	100				
950-10-7	Mephosfolan	500	500				
950-37-8	Methidathion	500/10,000	500				

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Number		TPQ	RQ	RQ	313	Code	TQ
957-51-7	Diphenamid				313		
959-98-8	alpha - Endosulfan			1			
961-11-5	Tetrachlorvinphos				313		
961-11-5	Phosphoric acid, 2-chloro-1-(2,3,5-trichlorophenyl) ethenyl dimethyl ester				X		
989-38-8	C.I. Basic Red 1				313		
991-42-4	Norbormide	100/10,000	100				
998-30-1	Triethoxysilane	500	500				
999-81-5	Chlormequat chloride	100/10,000	100				
1024-57-3	Heptachlor epoxide				1		
1031-07-8	Endosulfan sulfate				1		
1031-47-6	Triamiphos	500/10,000	500				
1066-30-4	Chromic acetate			1,000			
1066-33-7	Ammonium bicarbonate			5,000			
1066-45-1	Trimethyltin chloride	500/10,000	500				
1072-35-1	Lead stearate			10			
1111-78-0	Ammonium carbamate			5,000			
1114-71-2	Pebulate			1*	313	U391	
1114-71-2	Butylethylcarbamothioic acid S-propyl ester			1*	X	U391	
1116-54-7	N-Nitrosodiethanolamine			1		U173	
1120-71-4	Propane sultone			10	313	U193	
1120-71-4	1,3-Propane sultone			10	X	U193	
1122-60-7	Nitrocyclohexane	500	500				
1124-33-0	Pyridine, 4-nitro-, 1-oxide	500/10,000	500				
1129-41-5	Metolcarb	100/10,000	1*	1*		P190	
1134-23-2	Cycloate			1*	313	U386	
1163-19-5	Decabromodiphenyl oxide				313		
1185-57-5	Ferric ammonium citrate			1,000			
1194-65-6	Dichlobenil			100			
1300-71-6	Xylenol			1,000			
1303-28-2	Arsenic pentoxide	100/10,000	1	1		P011	
1303-32-8	Arsenic disulfide			1			
1303-33-9	Arsenic trisulfide			1			
1306-19-0	Cadmium oxide	100/10,000	100				
1309-64-4	Antimony trioxide			1,000			
1310-58-3	Potassium hydroxide			1,000			
1310-73-2	Sodium hydroxide			1,000			
1313-27-5	Molybdenum trioxide				313		
1314-20-1	Thorium dioxide				313		
1314-32-5	Thallic oxide			100		P113	
1314-62-1	Vanadium pentoxide	100/10,000	1,000	1,000		P120	
1314-80-3	Sulfur phosphide			100		U189	
1314-84-7	Zinc phosphide	500	100	100		P122	
1314-84-7	Zinc phosphide (conc. <= 10%)	500	100	100		U249	
1314-84-7	Zinc phosphide (conc. > 10%)	500	100	100		P122	
1314-87-0	Lead sulfide			10			
1319-72-8	2,4,5-T amines			5,000			
1319-77-3	Cresol (mixed isomers)			100	313	U052	
1320-18-9	2,4-D propylene glycol butyl ether ester			100	313		
1320-18-9	2,4-D Esters			100	X		

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Appendix A: Consolidated List of Chemicals Covered in EPCRA

1	2	3	4	5	6	7	8
CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
1321-12-6	Nitrotoluene			1,000			
1327-52-2	Arsenic acid			1			
1327-53-3	Arsenic trioxide	100/10,000	1	1		P012	
1327-53-3	Arsenous oxide	100/10,000	1	1		P012	
1330-20-7	Xylene (mixed isomers)			100	313	U239	
1332-07-6	Zinc borate			1,000			
1332-21-4	Asbestos (friable)			1	313		
1333-74-0	Hydrogen						10,000
1333-83-1	Sodium bifluoride			100			
1335-32-6	Lead subacetate			10		U146	
1335-87-1	Hexachloronaphthalene				313		
1336-21-6	Ammonium hydroxide			1,000			
1336-36-3	Polychlorinated biphenyls			1	313		
1336-36-3	PCBs			1	X		
1338-23-4	Methyl ethyl ketone peroxide			10		U160	
1338-24-5	Naphthenic acid			100			
1341-49-7	Ammonium bifluoride			100			
1344-28-1	Aluminum oxide (fibrous forms)				313		
1397-94-0	Antimycin A	1,000/10,000	1,000				
1420-07-1	Dinoterb	500/10,000	500				
1464-53-5	Diepoxybutane	500	10	10	313	U085	
1464-53-5	2,2'-Bioxirane	500	10	10	X	U085	
1558-25-4	Trichloro(chloromethyl)silane	100	100				
1563-38-8	Carbofuran phenol			1*		U367	
1563-66-2	Carbofuran	10/10,000	10	10	313	P127	
1582-09-8	Trifluralin			10	313		
1582-09-8	Benezeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-			10	X		
1600-27-7	Mercuric acetate	500/10,000	500				
1615-80-1	Hydrazine, 1,2-diethyl-			10		U086	
1622-32-8	Ethanesulfonyl chloride, 2-chloro-	500	500				
1634-02-2	Tetrabutylthiuram disulfide			1*		U402	
1634-04-4	Methyl tert-butyl ether			1,000	313		
1646-88-4	Aldicarb sulfone			1*		P203	
1649-08-7	1,2-Dichloro-1,1-difluoroethane				313		
1649-08-7	HCFC-132b				X		
1689-84-5	Bromoxynil				313		
1689-84-5	3,5-Dibromo-4-hydroxybenzoxitrile				X		
1689-99-2	Bromoxynil octanoate				313		
1689-99-2	Octanoic acid, 2,6-dibromo-4-cyanophenyl ester				X		
1717-00-6	1,1-Dichloro-1-fluoroethane				313		
1717-00-6	HCFC-141b				X		
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)			1			
1752-30-3	Acetone thiosemicarbazide	1,000/10,000	1,000				
1762-95-4	Ammonium thiocyanate			5,000			
1836-75-5	Nitrofen				313		
1836-75-5	Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-				X		
1861-40-1	Benfluralin				313		
1861-40-1	N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl) benzenamine				X		
1863-63-4	Ammonium benzoate			5,000			

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1888-71-7	Hexachloropropene			1,000		U243	
1897-45-6	Chlorothalonil				313		
1897-45-6	1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-				X		
1910-42-5	Paraquat dichloride	10/10,000	10		313		
1912-24-9	Atrazine				313		
1912-24-9	6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine				X		
1918-00-9	Dicamba			1,000	313		
1918-00-9	3,6-Dichloro-2-methoxybenzoic acid			1,000	X		
1918-02-1	Picloram				313		
1918-16-7	Propachlor				313		
1918-16-7	2-Chloro-N-(1-methylethyl)-N-phenylacetamide				X		
1928-38-7	2,4-D Esters			100			
1928-43-4	2,4-D 2-ethylhexyl ester				313		
1928-47-8	2,4,5-T esters			1,000			
1928-61-6	2,4-D Esters			100			
1929-73-3	2,4-D butoxyethyl ester			100	313		
1929-73-3	2,4-D Esters			100	X		
1929-77-7	Carbamothioic acid, dipropyl-, S-propyl ester			1*		U385	
1929-82-4	Nitrapyrin				313		
1929-82-4	2-Chloro-6-(trichloromethyl)pyridine				X		
1937-37-7	C.I. Direct Black 38				313		
1982-47-4	Chloroxuron	500/10,000	500				
1982-69-0	Sodium dicamba				313		
1982-69-0	3,6-Dichloro-2-methoxybenzoic acid, sodium salt				X		
1983-10-4	Tributyltin fluoride				313		
2001-95-8	Valinomycin	1,000/10,000	1,000				
2008-41-5	Butylate			1*		U392	
2008-46-0	2,4,5-T amines			5,000			
2032-65-7	Methiocarb	500/10,000	10	10	313	P199	
2032-65-7	Mercaptodimethur	500/10,000	10	10	X	P199	
2074-50-2	Paraquat methosulfate	10/10,000	10				
2097-19-0	Phenylsiltatane	100/10,000	100				
2104-64-5	EPN	100/10,000	100				
2155-70-6	Tributyltin methacrylate				313		
2164-07-0	Dipotassium endothall				313		
2164-07-0	7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt				X		
2164-17-2	Fluometuron				313		
2164-17-2	Urea, N,N-dimethyl-N'-[3-(trifluoromethyl)phenyl]-				X		
2212-67-1	Molinate			1*	313	U365	
2212-67-1	1H-Azepine-1 carbothioic acid, hexahydro-S-ethyl ester			1*	X	U365	
2223-93-0	Cadmium stearate	1,000/10,000	1,000				
2231-57-4	Thiocarbazine	1,000/10,000	1,000				
2234-13-1	Octachloronaphthalene				313		
2238-07-5	Diglycidyl ether	1,000	1,000				
2275-18-5	Prothoate	100/10,000	100				
2300-66-5	Dimethylamine dicamba				313		
2303-16-4	Diallate			100	313	U062	
2303-16-4	Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propenyl)ester			100	X	U062	
2303-17-5	Triallate			1*	313	U389	

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Number		TPQ	RQ	RQ	313	Code	TQ
2312-35-8	Propargite			10	313		
2439-01-2	Chinomethionat				313		
2439-01-2	6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one				X		
2439-10-3	Dodine				313		
2439-10-3	Dodecylguanidine monoacetate				X		
2497-07-6	Oxydisulfoton	500	500				
2524-03-0	Dimethyl chlorothiophosphate	500	500		313		
2524-03-0	Dimethyl phosphorochloridothioate	500	500		X		
2540-82-1	Formothion	100	100				
2545-59-7	2,4,5-T esters			1,000			
2556-36-7	1,4-Cyclohexane diisocyanate				313#		
2570-26-5	Pentadecylamine	100/10,000	100				
2587-90-8	Phosphorothioic acid, O,O-dimethyl-5-(2-(methylthio)ethyl)ester	500	500				
2602-46-2	C.I. Direct Blue 6				313		
2631-37-0	Promecarb	500/10,000	1*	1*		P201	
2636-26-2	Cyanophos	1,000	1,000				
2642-71-9	Azinphos-ethyl	100/10,000	100				
2655-15-4	2,3,5-Trimethylphenyl methylcarbamate				313		
2665-30-7	Phosphonothioic acid, methyl-, O-(4-nitrophenyl) O-phenyl ester	500	500				
2699-79-8	Sulfuryl fluoride				313		
2699-79-8	Vikane				X		
2702-72-9	2,4-D sodium salt				313		
2703-13-1	Phosphonothioic acid, methyl-, O-ethyl O-(4-(methylthio)phenyl) ester	500	500				
2757-18-8	Thallos malonate	100/10,000	100				
2763-96-4	5-(Aminomethyl)-3-isoxazolol	500/10,000	1,000	1,000		P007	
2763-96-4	Muscimol	500/10,000	1,000	1,000		P007	
2764-72-9	Diquat			1,000			
2778-04-3	Endothion	500/10,000	500				
2832-40-8	C.I. Disperse Yellow 3				313		
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane				313		
2837-89-0	HCFC-124				X		
2921-88-2	Chlorpyrifos			1			
2944-67-4	Ferric ammonium oxalate			1,000			
2971-38-2	2,4-D chlorocrotyl ester			100	313		
2971-38-2	2,4-D Esters			100	X		
3012-65-5	Ammonium citrate, dibasic			5,000			
3037-72-7	Silane, (4-aminobutyl)diethoxymethyl-	1,000	1,000				
3118-97-6	C.I. Solvent Orange 7				313		
3164-29-2	Ammonium tartrate			5,000			
3165-93-3	4-Chloro-o-toluidine, hydrochloride			100		U049	
3173-72-6	1,5-Naphthalene diisocyanate				313#		
3251-23-8	Cupric nitrate			100			
3254-63-5	Phosphoric acid, dimethyl 4-(methylthio) phenyl ester	500	500				
3288-58-2	O,O-Diethyl S-methyl dithiophosphate			5,000		U087	
3383-96-8	Temephos				313		
3486-35-9	Zinc carbonate			1,000			
3547-04-4	DDE			5,000			
3569-57-1	Sulfoxide, 3-chloropropyl octyl	500	500				
3615-21-2	Benzimidazole, 4,5-dichloro-2-(trifluoromethyl)-	500/10,000	500				

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Number		TPQ	RQ	RQ	313	Code	TQ
3653-48-3	Methoxone sodium salt				313		
3653-48-3	(4-Chloro-2-methylphenoxy) acetate sodium salt				X		
3689-24-5	Sulfotep	500	100	100		P109	
3689-24-5	Tetraethylthiopyrophosphate	500	100	100		P109	
3691-35-8	Chlorophacinone	100/10,000	100				
3697-24-3	5-Methylchrysene				313+		
3734-97-2	Amiton oxalate	100/10,000	100				
3735-23-7	Methyl phenkapton	500	500				
3761-53-3	C.I. Food Red 5				313		
3813-14-7	2,4,5-T amines			5,000			
3878-19-1	Fuberidazole	100/10,000	100				
4044-65-9	Bitoscanate	500/10,000	500				
4080-31-3	1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride				313		
4098-71-9	Isophorone diisocyanate	100	100		313#		
4104-14-7	Phosacetim	100/10,000	100				
4109-96-0	Dichlorosilane						10,000
4109-96-0	Silane, dichloro-						10,000
4128-73-8	4,4'-Diisocyanatodiphenyl ether				313#		
4170-30-3	Crotonaldehyde	1,000	100	100	313	U053	20,000
4170-30-3	2-Butenal	1,000	100	100	X	U053	20,000
4301-50-2	Fluenetil	100/10,000	100				
4418-66-0	Phenol, 2,2'-thiobis[4-chloro-6-methyl-	100/10,000	100				
4549-40-0	N-Nitrosomethylvinylamine			10	313	P084	
4680-78-8	C.I. Acid Green 3				313		
4835-11-4	Hexamethylenediamine, N,N'-dibutyl-	500	500				
5124-30-1	1,1'-Methylene bis(4-isocyanatocyclohexane)				313#		
5234-68-4	Carboxin				313		
5234-68-4	5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide				X		
5344-82-1	Thiourea, (2-chlorophenyl)-	100/10,000	100	100		P026	
5385-75-1	Dibenzo(a,e)fluoranthene				313+		
5522-43-0	1-Nitropyrene				313+		
5598-13-0	Chlorpyrifos methyl				313		
5598-13-0	O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate				X		
5836-29-3	Coumatetralyl	500/10,000	500				
5893-66-3	Cupric oxalate				100		
5902-51-2	Terbacil				313		
5902-51-2	5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione				X		
5952-26-1	Ethanol, 2,2'-oxybis-, dicarbamate				1*	U395	
5972-73-6	Ammonium oxalate			5,000			
6009-70-7	Ammonium oxalate			5,000			
6369-96-6	2,4,5-T amines			5,000			
6369-97-7	2,4,5-T amines			5,000			
6459-94-5	C.I. Acid Red 114				313		
6533-73-9	Thallium(I) carbonate	100/10,000	100	100		U215	
6533-73-9	Thallos carbonate	100/10,000	100	100		U215	
6923-22-4	Monocrotophos	10/10,000	10				
7005-72-3	4-Chlorophenyl phenyl ether			5,000			
7287-19-6	Prometryn				313		
7287-19-6	N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine				X		

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Number		TPQ	RQ	RQ	313	Code	TQ
7421-93-4	Endrin aldehyde			1			
7428-48-0	Lead stearate			10			
7429-90-5	Aluminum (fume or dust)				313		
7439-92-1	Lead			10	313		
7439-96-5	Manganese				313		
7439-97-6	Mercury			1	313	U151	
7440-02-0	Nickel			100	313		
7440-22-4	Silver			1,000	313		
7440-23-5	Sodium			10			
7440-28-0	Thallium			1,000	313		
7440-36-0	Antimony			5,000	313		
7440-38-2	Arsenic			1	313		
7440-39-3	Barium				313		
7440-41-7	Beryllium			10	313	P015	
7440-43-9	Cadmium			10	313		
7440-47-3	Chromium			5,000	313		
7440-48-4	Cobalt				313		
7440-50-8	Copper			5,000	313		
7440-62-2	Vanadium (fume or dust)				313		
7440-66-6	Zinc			1,000			
7440-66-6	Zinc (fume or dust)			1,000	313		
7446-08-4	Selenium dioxide			10			
7446-09-5	Sulfur dioxide	500	500				
7446-09-5	Sulfur dioxide (anhydrous)	500	500				5,000
7446-11-9	Sulfur trioxide	100	100				10,000
7446-14-2	Lead sulfate			10			
7446-18-6	Thallium(I) sulfate	100/10,000	100	100		P115	
7446-18-6	Thallos sulfate	100/10,000	100	100		P115	
7446-27-7	Lead phosphate			10		U145	
7447-39-4	Cupric chloride			10			
7487-94-7	Mercuric chloride	500/10,000	500				
7488-56-4	Selenium sulfide			10		U205	
7550-45-0	Titanium tetrachloride	100	1,000	1,000	313		2,500
7550-45-0	Titanium chloride (TiCl4) (T-4)-	100	1,000	1,000	X		2,500
7558-79-4	Sodium phosphate, dibasic			5,000			
7580-67-8	Lithium hydride	100	100				
7601-54-9	Sodium phosphate, tribasic			5,000			
7631-89-2	Sodium arsenate	1,000/10,000	1	1			
7631-90-5	Sodium bisulfite			5,000			
7632-00-0	Sodium nitrite			100	313		
7637-07-2	Boron trifluoride	500	500		313		5,000
7637-07-2	Borane, trifluoro-	500	500		X		5,000
7645-25-2	Lead arsenate			1			
7646-85-7	Zinc chloride			1,000			
7647-01-0	Hydrochloric acid			5,000			
7647-01-0	Hydrochloric acid (conc 30% or greater)			5,000			15,000
7647-01-0	Hydrochloric acid (aerosol forms only)			5,000	313		
7647-01-0	Hydrogen chloride (anhydrous)	500	5,000	5,000	X		5,000
7647-01-0	Hydrogen chloride (gas only)	500	5,000	5,000	X		5,000

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7647-18-9	Antimony pentachloride			1,000			
7664-38-2	Phosphoric acid			5,000	313		
7664-39-3	Hydrogen fluoride	100	100	100	313	U134	
7664-39-3	Hydrofluoric acid	100	100	100	X	U134	
7664-39-3	Hydrofluoric acid (conc. 50% or greater)	100	100	100	X	U134	1,000
7664-39-3	Hydrogen fluoride (anhydrous)	100	100	100	X	U134	1,000
7664-41-7	Ammonia	500	100	100	313		
7664-41-7	Ammonia (anhydrous)	500	100	100	X		10,000
7664-41-7	Ammonia (conc 20% or greater)	500	100	100	X		20,000
7664-93-9	Sulfuric acid (aerosol forms only)	1,000	1,000	1,000	313		
7664-93-9	Sulfuric acid	1,000	1,000	1,000			
7681-49-4	Sodium fluoride			1,000			
7681-52-9	Sodium hypochlorite			100			
7696-12-0	Tetramethrin				313		
7696-12-0	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				X		
7697-37-2	Nitric acid	1,000	1,000	1,000	313		
7697-37-2	Nitric acid (conc 80% or greater)	1,000	1,000	1,000	X		15,000
7699-45-8	Zinc bromide			1,000			
7705-08-0	Ferric chloride			1,000			
7718-54-9	Nickel chloride			100			
7719-12-2	Phosphorous trichloride	1,000	1,000	1,000			15,000
7719-12-2	Phosphorus trichloride	1,000	1,000	1,000			15,000
7720-78-7	Ferrous sulfate			1,000			
7722-64-7	Potassium permanganate			100			
7722-84-1	Hydrogen peroxide (Conc.> 52%)	1,000	1,000				
7723-14-0	Phosphorus	100	1	1			
7723-14-0	Phosphorus (yellow or white)	100	1	1	313		
7726-95-6	Bromine	500	500		313		10,000
7733-02-0	Zinc sulfate			1,000			
7738-94-5	Chromic acid			10			
7758-01-2	Potassium bromate				313		
7758-29-4	Sodium phosphate, tribasic			5,000			
7758-94-3	Ferrous chloride			100			
7758-95-4	Lead chloride			10			
7758-98-7	Cupric sulfate			10			
7761-88-8	Silver nitrate			1			
7773-06-0	Ammonium sulfamate			5,000			
7775-11-3	Sodium chromate			10			
7778-39-4	Arsenic acid			1		P010	
7778-44-1	Calcium arsenate	500/10,000	1	1			
7778-50-9	Potassium bichromate			10			
7778-54-3	Calcium hypochlorite			10			
7779-86-4	Zinc hydrosulfite			1,000			
7779-88-6	Zinc nitrate			1,000			
7782-41-4	Fluorine	500	10	10	313	P056	1,000
7782-49-2	Selenium			100	313		
7782-50-5	Chlorine	100	10	10	313		2,500
7782-63-0	Ferrous sulfate			1,000			

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7782-82-3	Sodium selenite			100			
7782-86-7	Mercurous nitrate			10			
7783-00-8	Selenious acid	1,000/10,000	10	10		U204	
7783-06-4	Hydrogen sulfide	500	100	100	313	U135	10,000
7783-07-5	Hydrogen selenide	10	10				500
7783-35-9	Mercuric sulfate			10			
7783-46-2	Lead fluoride			10			
7783-49-5	Zinc fluoride			1,000			
7783-50-8	Ferric fluoride			100			
7783-56-4	Antimony trifluoride			1,000			
7783-60-0	Sulfur fluoride (SF4), (T-4)-	100	100				2,500
7783-60-0	Sulfur tetrafluoride	100	100				2,500
7783-70-2	Antimony pentafluoride	500	500				
7783-80-4	Tellurium hexafluoride	100	100				
7784-34-1	Arsenous trichloride	500	1	1			15,000
7784-40-9	Lead arsenate			1			
7784-41-0	Potassium arsenate			1			
7784-42-1	Arsine	100	100				1,000
7784-46-5	Sodium arsenite	500/10,000	1	1			
7785-84-4	Sodium phosphate, tribasic			5,000			
7786-34-7	Mevinphos	500	10	10	313		
7786-81-4	Nickel sulfate			100			
7787-47-5	Beryllium chloride			1			
7787-49-7	Beryllium fluoride			1			
7787-55-5	Beryllium nitrate			1			
7788-98-9	Ammonium chromate			10			
7789-00-6	Potassium chromate			10			
7789-06-2	Strontium chromate			10			
7789-09-5	Ammonium bichromate			10			
7789-42-6	Cadmium bromide			10			
7789-43-7	Cobaltous bromide			1,000			
7789-61-9	Antimony tribromide			1,000			
7790-94-5	Chlorosulfonic acid			1,000			
7791-12-0	Thallium chloride TICl	100/10,000	100	100		U216	
7791-12-0	Thallos chloride	100/10,000	100	100		U216	
7791-21-1	Chlorine monoxide						10,000
7791-21-1	Chlorine oxide						10,000
7791-23-3	Selenium oxychloride	500	500				
7803-51-2	Phosphine	500	100	100	313	P096	5,000
7803-55-6	Ammonium vanadate			1,000		P119	
7803-62-5	Silane						10,000
8001-35-2	Toxaphene	500/10,000	1	1	313	P123	
8001-35-2	Campechlor	500/10,000	1	1	X	P123	
8001-35-2	Camphene, octachloro-	500/10,000	1	1	X	P123	
8001-58-9	Creosote			1	313	U051	
8003-19-8	Dichloropropane - Dichloropropene (mixture)			100			
8003-34-7	Pyrethrins			1			
8014-95-7	Oleum (fuming sulfuric acid)			1,000			10,000
8014-95-7	Sulfuric acid (fuming)			1,000			10,000

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CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
8014-95-7	Sulfuric acid, mixture with sulfur trioxide			1,000			10,000
8065-48-3	Demeton	500	500				
9006-42-2	Metiram				313		
9016-87-9	Polymeric diphenylmethane diisocyanate				313#		
10022-70-5	Sodium hypochlorite			100			
10025-73-7	Chromic chloride	1/10,000	1				
10025-78-2	Silane, trichloro-						10,000
10025-78-2	Trichlorosilane						10,000
10025-87-3	Phosphorus oxychloride	500	1,000	1,000			5,000
10025-87-3	Phosphoryl chloride	500	1,000	1,000			5,000
10025-91-9	Antimony trichloride			1,000			
10026-11-6	Zirconium tetrachloride			5,000			
10026-13-8	Phosphorus pentachloride	500	500				
10028-15-6	Ozone	100	100		313		
10028-22-5	Ferric sulfate			1,000			
10031-59-1	Thallium sulfate	100/10,000	100	100			
10034-93-2	Hydrazine sulfate				313		
10039-32-4	Sodium phosphate, dibasic			5,000			
10043-01-3	Aluminum sulfate			5,000			
10045-89-3	Ferrous ammonium sulfate			1,000			
10045-94-0	Mercuric nitrate			10			
10049-04-4	Chlorine dioxide				313		1,000
10049-04-4	Chlorine oxide (ClO2)				X		1,000
10049-05-5	Chromous chloride			1,000			
10061-02-6	trans-1,3-Dichloropropene				313		
10099-74-8	Lead nitrate			10			
10101-53-8	Chromic sulfate			1,000			
10101-63-0	Lead iodide			10			
10101-89-0	Sodium phosphate, tribasic			5,000			
10102-06-4	Uranyl nitrate			100			
10102-18-8	Sodium selenite	100/10,000	100	100			
10102-20-2	Sodium tellurite	500/10,000	500				
10102-43-9	Nitric oxide	100	10	10		P076	10,000
10102-43-9	Nitrogen oxide (NO)	100	10	10		P076	10,000
10102-44-0	Nitrogen dioxide	100	10	10		P078	
10102-45-1	Thallium(I) nitrate			100		U217	
10102-48-4	Lead arsenate			1			
10108-64-2	Cadmium chloride			10			
10124-50-2	Potassium arsenite	500/10,000	1	1			
10124-56-8	Sodium phosphate, tribasic			5,000			
10140-65-5	Sodium phosphate, dibasic			5,000			
10140-87-1	Ethanol, 1,2-dichloro-, acetate	1,000	1,000				
10192-30-0	Ammonium bisulfite			5,000			
10196-04-0	Ammonium sulfite			5,000			
10210-68-1	Cobalt carbonyl	10/10,000	10				
10222-01-2	2,2-Dibromo-3-nitripropionamide				313		
10265-92-6	Methamidophos	100/10,000	100				
10294-34-5	Boron trichloride	500	500		313		5,000
10294-34-5	Borane, trichloro-	500	500		X		5,000

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10311-84-9	Dialfor	100/10,000	100				
10347-54-3	1,4-Bis(methylisocyanate)cyclohexane				313#		
10361-89-4	Sodium phosphate, tribasic			5,000			
10380-29-7	Cupric sulfate, ammoniated			100			
10415-75-5	Mercurous nitrate			10			
10421-48-4	Ferric nitrate			1,000			
10453-86-8	Resmethrin				313		
10453-86-8	5-(Phenylmethyl)-3-furanyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate				X		
10476-95-6	Methacrolein diacetate	1,000	1,000				
10544-72-6	Nitrogen dioxide			10			
10588-01-9	Sodium bichromate			10			
10605-21-7	Carbendazim			1*		U372	
11096-82-5	Aroclor 1260			1			
11097-69-1	Aroclor 1254			1			
11104-28-2	Aroclor 1221			1			
11115-74-5	Chromic acid			10			
11141-16-5	Aroclor 1232			1			
12002-03-8	Cupric acetoarsenite	500/10,000	1	1			
12002-03-8	Paris green	500/10,000	1	1			
12039-52-0	Selenious acid, dithallium(1+) salt			1,000		P114	
12054-48-7	Nickel hydroxide			10			
12108-13-3	Manganese, tricarbonyl methylcyclopentadienyl	100	100				
12122-67-7	Zineb				313		
12122-67-7	Carbamodithioic acid, 1,2-ethanediybis-, zinc complex				X		
12125-01-8	Ammonium fluoride			100			
12125-02-9	Ammonium chloride			5,000			
12135-76-1	Ammonium sulfide			100			
12427-38-2	Maneb				313		
12427-38-2	Carbamodithioic acid, 1,2-ethanediybis-, manganese complex				X		
12672-29-6	Aroclor 1248			1			
12674-11-2	Aroclor 1016			1			
12771-08-3	Sulfur monochloride			1,000			
13071-79-9	Terbufos	100	100				
13171-21-6	Phosphamidon	100	100				
13194-48-4	Ethoprop	1,000	1,000		313		
13194-48-4	Ethoprophos	1,000	1,000		X		
13194-48-4	Phosphorodithioic acid O-ethyl S,S-dipropyl ester	1,000	1,000		X		
13356-08-6	Fenbutatin oxide				313		
13356-08-6	Hexakis(2-methyl-2-phenylpropyl)distannoxane				X		
13410-01-0	Sodium selenate	100/10,000	100				
13450-90-3	Gallium trichloride	500/10,000	500				
13463-39-3	Nickel carbonyl		1	10		P073	1,000
13463-40-6	Iron, pentacarbonyl-		100	100		313	2,500
13463-40-6	Iron carbonyl (Fe(CO)5), (TB-5-11)-		100	100		X	2,500
13474-88-9	1,1-Dichloro-1,2,2,3,3-pentafluoropropane				313		
13474-88-9	HCFC-225cc				X		
13560-99-1	2,4,5-T salts			1,000			
13597-99-4	Beryllium nitrate			1			
13684-56-5	Desmedipham				313		

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Number		TPQ	RQ	RQ	313	Code	TQ
13746-89-9	Zirconium nitrate			5,000			
13765-19-0	Calcium chromate			10		U032	
13814-96-5	Lead fluoborate			10			
13826-83-0	Ammonium fluoborate			5,000			
13952-84-6	sec-Butylamine			1,000			
14017-41-5	Cobaltous sulfamate			1,000			
14167-18-1	Salcomine	500/10,000	500				
14216-75-2	Nickel nitrate			100			
14258-49-2	Ammonium oxalate			5,000			
14307-35-8	Lithium chromate			10			
14307-43-8	Ammonium tartrate			5,000			
14324-55-1	Ethyl Ziram			1*		U407	
14484-64-1	Ferbam			1*	313	U396	
14484-64-1	Tris(dimethylcarbamodithioato-S,S')iron			1*	X	U396	
14639-97-5	Zinc ammonium chloride			1,000			
14639-98-6	Zinc ammonium chloride			1,000			
14644-61-2	Zirconium sulfate			5,000			
15271-41-7	Bicyclo[2.2.1]heptane-2-carbonitrile, 5-chloro-6-(((methylamino)carbonyloxy)imino)-(1-alpha,2-beta,4-alpha,5-alpha,6E))-	500/10,000	500				
15339-36-3	Manganese, bis(dimethylcarbamodithioato-S,S')-			1*		P196	
15646-96-5	2,4,4-Trimethylhexamethylene diisocyanate				313#		
15699-18-0	Nickel ammonium sulfate			100			
15739-80-7	Lead sulfate			10			
15950-66-0	2,3,4-Trichlorophenol			10			
15972-60-8	Alachlor				313		
16071-86-6	C.I. Direct Brown 95				313		
16543-55-8	N-Nitrosomonicotine				313		
16721-80-5	Sodium hydrosulfide			5,000			
16752-77-5	Ethanimidothioic acid, N-[[methylamino)carbonyl]	500/10,000	100	100		P066	
16752-77-5	Methomyl	500/10,000	100	100		P066	
16871-71-9	Zinc silicofluoride			5,000			
16919-19-0	Ammonium silicofluoride			1,000			
16923-95-8	Zirconium potassium fluoride			1,000			
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate				313#		
17702-41-9	Decaborane(14)	500/10,000	500				
17702-57-7	Formparanate	100/10,000	1*	1*		P197	
17804-35-2	Benomyl			1*	313	U271	
18883-66-4	Streptozotocin			1		U206	
19044-88-3	Oryzalin				313		
19044-88-3	4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide				X		
19287-45-7	Diborane	100	100				2,500
19287-45-7	Diborane(6)	100	100				2,500
19624-22-7	Pentaborane	500	500				
19666-30-9	Oxydiazon				313		
19666-30-9	3-(2,4-Dichloro-5-(1-methylethoxy)phenyl)-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one				X		
20325-40-0	3,3'-Dimethoxybenzidine dihydrochloride				313		
20325-40-0	o-Dianisidine dihydrochloride				X		
20354-26-1	Methazole				313		
20354-26-1	2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione				X		

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Number		TPQ	RQ	RQ	313	Code	TQ
20816-12-0	Osmium tetroxide			1,000	313	P087	
20816-12-0	Osmium oxide OsO4 (T-4)-			1,000	X	P087	
20830-75-5	Digoxin	10/10,000	10				
20830-81-3	Daunomycin			10		U059	
20859-73-8	Aluminum phosphide	500	100	100	313	P006	
21087-64-9	Metribuzin				313		
21548-32-3	Fosthietan	500	500				
21609-90-5	Leptophos	500/10,000	500				
21725-46-2	Cyanazine				313		
21908-53-2	Mercuric oxide	500/10,000	500				
21923-23-9	Chlorthiophos	500	500				
22224-92-6	Fenamiphos	10/10,000	10				
22781-23-3	Bendiocarb			1*	313	U278	
22781-23-3	2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate			1*	X	U278	
22961-82-6	Bendiocarb phenol			1*		U364	
23135-22-0	Oxamyl	100/10,000	1*	1*		P194	
23422-53-9	Formetanate hydrochloride	500/10,000	1*	1*		P198	
23505-41-1	Pirimifos-ethyl	1,000	1,000				
23564-05-8	Thiophanate-methyl			1*	313	U409	
23564-06-9	Thiophanate ethyl				313		
23564-06-9	(1,2-Phenylenebis(iminocarbonothioyl)) biscalbamate diethyl ester				X		
23950-58-5	Pronamide			5,000	313	U192	
23950-58-5	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)			5,000	X	U192	
24017-47-8	Triazofos	500	500				
24934-91-6	Chlormephos	500	500				
25154-54-5	Dinitrobenzene (mixed isomers)			100			
25154-55-6	Nitrophenol (mixed isomers)			100			
25155-30-0	Sodium dodecylbenzenesulfonate			1,000			
25167-67-3	Butene						10,000
25167-82-2	Trichlorophenol			10			
25168-15-4	2,4,5-T esters			1,000			
25168-26-7	2,4-D Esters			100			
25311-71-1	Isofenphos				313		
25311-71-1	2-((Ethoxyl((1-methylethyl)amino)phosphinothioyl)oxy) benzoic acid 1-methylethyl ester				X		
25321-14-6	Dinitrotoluene (mixed isomers)			10	313		
25321-22-6	Dichlorobenzene (mixed isomers)			100	313		
25321-22-6	Dichlorobenzene			100	X		
25376-45-8	Diaminotoluene (mixed isomers)			10	313	U221	
25376-45-8	Toluenediamine			10	X	U221	
25550-58-7	Dinitrophenol			10			
26002-80-2	Phenothrin				313		
26002-80-2	2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester				X		
26264-06-2	Calcium dodecylbenzenesulfonate			1,000			
26419-73-8	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-	100/10,000	1*	1*		P185	
26471-62-5	Toluenediisocyanate (mixed isomers)			100	313	U223	10,000
26471-62-5	Benzene, 1,3-diisocyanatomethyl-			100	X	U223	10,000
26471-62-5	Toluene diisocyanate (unspecified isomer)			100	X	U223	10,000
26628-22-8	Sodium azide (Na(N3))	500	1,000	1,000	313	P105	
26638-19-7	Dichloropropane			1,000			

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26644-46-2	Triforine				313		
26644-46-2	N,N'-(1,4-Piperazinediylbis(2,2,2-trichloroethylidene)) bisformamide				X		
26952-23-8	Dichloropropene			100			
27137-85-5	Trichloro(dichlorophenyl)silane	500	500				
27176-87-0	Dodecylbenzenesulfonic acid			1,000			
27314-13-2	Norflurazon				313		
27314-13-2	4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-pyridazinone				X		
27323-41-7	Triethanolamine dodecylbenzene sulfonate			1,000			
27774-13-6	Vanadyl sulfate			1,000			
28057-48-9	d-trans-Allethrin				313		
28057-48-9	d-trans-Chrysanthemic acid of d-allethrine				X		
28249-77-6	Thiobencarb				313		
28249-77-6	Carbamic acid, diethylthio-, S-(p-chlorobenzyl)				X		
28300-74-5	Antimony potassium tartrate			100			
28347-13-9	Xylylene dichloride	100/10,000	100				
28407-37-6	C.I. Direct Blue 218				313		
28772-56-7	Bromadiolone	100/10,000	100				
29232-93-7	Pirimiphos methyl				313		
29232-93-7	O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)-O,O-dimethyl phosphorothioate				X		
30525-89-4	Paraformaldehyde			1,000			
30558-43-1	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester			1*		U394	
30560-19-1	Acephate				313		
30560-19-1	Acetylphosphoramidothioic acid O,S-dimethyl ester				X		
30674-80-7	Methacryloyloxyethyl isocyanate	100	100				
31218-83-4	Propetamphos				313		
31218-83-4	3-((Ethylamino)methoxyphosphinothioyl)oxy)-2-butenic acid, 1-methylethyl ester				X		
32534-95-5	2,4,5-TP esters			100			
33089-61-1	Amitraz				313		
33213-65-9	beta - Endosulfan			1			
34014-18-1	Tebuthiuron				313		
34014-18-1	N-(5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl)-N,N'-dimethylurea				X		
34077-87-7	Dichlorotrifluoroethane				313		
35367-38-5	Diflubenzuron				313		
35400-43-2	Sulprofos				313		
35400-43-2	O-Ethyl O-(4-(methylthio)phenyl)phosphorodithioic acid S-propyl ester				X		
35554-44-0	Imazalil				313		
35554-44-0	1-(2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl)-1H-imidazole				X		
35691-65-7	1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile				313		
36478-76-9	Uranyl nitrate			100			
37211-05-5	Nickel chloride			100			
38661-72-2	1,3-Bis(methylisocyanate)cyclohexane				313#		
38727-55-8	Diethyl ethyl				313		
39156-41-7	2,4-Diaminoanisole sulfate				313		
39196-18-4	Thiofanox	100/10,000	100	100		P045	
39300-45-3	Dinocap				313		
39515-41-8	Fenpropathrin				313		
39515-41-8	2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3-phenoxyphenyl)methyl ester				X		
40487-42-1	Pendimethalin				313		
40487-42-1	N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzamine				X		

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41198-08-7	Profenofos				313		
41198-08-7	O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propylphosphorothioate				X		
41766-75-0	3,3'-Dimethylbenzidine dihydrofluoride				313		
41766-75-0	o-Tolidine dihydrofluoride				X		
42504-46-1	Isopropanolamine dodecylbenzene sulfonate			1,000			
42874-03-3	Oxyfluorfen				313		
43121-43-3	Triadimefon				313		
43121-43-3	1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone				X		
50471-44-8	Vinclozolin				313		
50471-44-8	3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione				X		
50782-69-9	Phosphonothioic acid, methyl-, S-(2-(bis(1-methylethyl)amino)ethyl) O-ethyl ester	100	100				
51026-28-9	Potassium N-hydroxymethyl-N-methylthiocarbamate			1*		U378	
51235-04-2	Hexazinone				313		
51338-27-3	Diclofop methyl				313		
51338-27-3	2-(4-(2,4-Dichlorophenoxy)phenoxy)propanoic acid, methyl ester				X		
51630-58-1	Fenvalerate				313		
51630-58-1	4-Chloro-alpha-(1-methylethyl)benzeneacetic acid cyano(3-phenoxyphenyl)methyl ester				X		
52628-25-8	Zinc ammonium chloride			1,000			
52645-53-1	Permethrin				313		
52645-53-1	3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid, (3-phenoxyphenyl)methyl ester				X		
52652-59-2	Lead stearate			10			
52740-16-6	Calcium arsenite			1			
52888-80-9	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester			1*		U387	
53404-19-6	Bromacil, lithium salt				313		
53404-19-6	2,4-(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl), lithium salt				X		
53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester				313		
53404-60-7	Dazomet, sodium salt				313		
53404-60-7	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione, ion(1-), sodium				X		
53467-11-1	2,4-D Esters			100			
53469-21-9	Aroclor 1242			1			
53558-25-1	Pyriminil	100/10,000	100				
55285-14-8	Carbosulfan			1*		P189	
55290-64-7	Dimethipin				313		
55290-64-7	2,3,-Dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide				X		
55406-53-6	3-Iodo-2-propynyl butylcarbamate				1*	313	U375
55488-87-4	Ferric ammonium oxalate			1,000			
56189-09-4	Lead stearate			10			
57213-69-1	Triclopyr triethylammonium salt				313		
58270-08-9	Zinc, dichloro(4,4-dimethyl-5((((methylamino)carbonyl)oxy)imino)pentanenitrile)-, (T-4)-	100/10,000	100				
59669-26-0	Thiodicarb			1*	313	U410	
60168-88-9	Fenarimol				313		
60168-88-9	.alpha.-(2-Chlorophenyl)-.alpha.-4-chlorophenyl)-5-pyrimidinemethanol				X		
60207-90-1	Propiconazole				313		
60207-90-1	1-(2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)-methyl-1H-1,2,4-triazole				X		
61792-07-2	2,4,5-T esters			1,000			
62207-76-5	Cobalt, ((2,2'-(1,2-ethanediy)bis(nitrilomethylidene))bis(6-fluorophenylato))(2-)-N,N',O,O'-	100/10,000	100				
62476-59-9	Acifluorfen, sodium salt				313		
62476-59-9	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, sodium salt				X		
63938-10-3	Chlorotetrafluoroethane				313		

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Protocol for Conducting Environmental Compliance Audits under EPCRA
Appendix A: Consolidated List of Chemicals Covered in EPCRA

1	2	3	4	5	6	7	8
CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
64902-72-3	Chlorsulfuron				313		
64902-72-3	2-Chloro-N-(((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino)carbonyl)benzenesulfonamide				X		
64969-34-2	3,3'-Dichlorobenzidine sulfate				313		
66441-23-4	Fenoxaprop ethyl				313		
66441-23-4	2-(4-((6-Chloro-2-benzoxazolyl)oxy)phenoxy)propanoic acid, ethyl ester				X		
67485-29-4	Hydramethylnon				313		
67485-29-4	Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone(3-(4-(trifluoromethyl)phenyl)-1-(2-(4-trifluoromethyl)phenyl)ethenyl)-2-propenylidene)hydrazone				X		
68085-85-8	Cyhalothrin				313		
68085-85-8	3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-Dimethylcyclopropanecarboxylic acid cyano(3-phenoxy-phenyl) methyl ester				X		
68359-37-5	Cyfluthrin				313		
68359-37-5	3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3-phenoxyphenyl) methyl ester				X		
69409-94-5	Fluvalinate				313		
69409-94-5	N-(2-Chloro-4-(trifluoromethyl)phenyl)-DL-valine(+)-cyano(3-phenoxyphenyl)methyl ester				X		
69806-50-4	Fluazifop butyl				313		
69806-50-4	2-(4-(5-(Trifluoromethyl)-2-pyridinyl[oxy]-phenoxy)propanoic acid, butyl ester				X		
71751-41-2	Abamectin				313		
71751-41-2	Avermectin B1				X		
72178-02-0	Fomesafen				313		
72178-02-0	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-methylsulfonyl)-2-nitrobenzamide				X		
72490-01-8	Fenoxycarb				313		
72490-01-8	(2-(4-Phenoxy-phenoxy)-ethyl)carbamic acid ethyl ester				X		
74051-80-2	Sethoxydim				313		
74051-80-2	2-(1-(Etoxyimino) butyl)-5-(2-(ethylthio)propyl)-3-hydroxyl-2-cyclohexen-1-one				X		
75790-84-0	4-Methyldiphenylmethane-3,4-diisocyanate				313#		
75790-87-3	2,4'-Diisocyanatodiphenyl sulfide				313#		
76578-14-8	Quizalofop-ethyl				313		
76578-14-8	2-(4-((6-Chloro-2-quinoxalinyloxy]phenoxy) propanoic acid ethyl ester				X		
77501-63-4	Lactofen				313		
77501-63-4	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitro-2-ethoxy-1-methyl-2-oxoethyl ester				X		
82657-04-3	Bifenthrin				313		
88671-89-0	Myclobutanil				313		
88671-89-0	.alpha.-Butyl-.alpha.-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile				X		
90454-18-5	Dichloro-1,1,2-trifluoroethane				313		
90982-32-4	Chlorimuron ethyl				313		
90982-32-4	Ethyl-2-(((4-chloro-6-methoxyprimidin-2-yl)-carbonyl)-amino)sulfonyl)benzoate				X		
101200-48-0	Tribenuron methyl				313		
101200-48-0	2-(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)-methylamino)carbonyl)amino)sulfonyl)-, methyl ester				X		
111512-56-2	1,1-Dichloro-1,2,3,3,3-pentafluoropropane				313		
111512-56-2	HCFC-225eb				X		
111984-09-9	3,3'-Dimethoxybenzidine hydrochloride				313		
111984-09-9	o-Dianisidine hydrochloride				X		
127564-92-5	Dichloropentafluoropropane				313		
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane				313		
128903-21-9	HCFC-225aa				X		
134190-37-7	Diethyldiisocyanatobenzene				313#		
136013-79-1	1,3-Dichloro-1,1,2,3,3-pentafluoropropane				313		

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Protocol for Conducting Environmental Compliance Audits under EPCRA
Appendix A: Consolidated List of Chemicals Covered in EPCRA

1	2	3	4	5	6	7	8
CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
136013-79-1	HCFC-225ea				X		
N/A	Organorhodium Complex (PMN-82-147)	10/10,000	10				
N/A	Antimony Compounds			**	N010		
N/A	Arsenic Compounds			**	N020		
N/A	Barium Compounds				N040		
N/A	--Except Barium Sulfate (under 313)						
N/A	Beryllium Compounds			**	N050		
N/A	Cadmium Compounds			**	N078		
N/A	Chlordane (Technical Mixture and Metabolites)			**			
N/A	Chlorinated Benzenes			**			
N/A	Chlorinated Ethanes			**			
N/A	Chlorinated Naphthalene			**			
N/A	Chlorinated Phenols			**	N084		
N/A	Chloroalkyl Ethers			**			
N/A	Chlorophenols			**	N084		
N/A	Chromium Compounds			**	N090		
N/A	Cobalt Compounds			**	N096		
N/A	Coke Oven Emissions				1		
N/A	Copper Compounds			**	N100		
N/A	--Except copper phthalocyanine compounds (under 313)##						
N/A	--Except C.I. Pigment Blue 15 (under 313)						
N/A	--Except C.I. Pigment Green 7 (under 313)						
N/A	--Except C.I. Pigment Green 36 (under 313)						
N/A	Cyanide Compounds			**	N106		
N/A	DDT and Metabolites			**			
N/A	Dichlorobenzidine			**			
N/A	Diisocyanates (includes only 20 chemicals)				N120		
N/A	Diphenylhydrazine			**			
N/A	Endosulfan and Metabolites			**			
N/A	Endrin and Metabolites			**			
N/A	Ethylenebisdithiocarbamic acid, salts and esters				N171		
N/A	Fine mineral fibers			**			
N/A	Glycol Ethers			**	N230		
N/A	Haloethers			**			
N/A	Halomethanes			**			
N/A	Heptachlor and Metabolites			**			
N/A	Hexachlorocyclohexane (all isomers) CAS 608-73-1			**			
N/A	Lead Compounds			**	N420		
N/A	Manganese Compounds			**	N450		
N/A	Mercury Compounds			**	N458		
N/A	Nickel Compounds			**	N495		
N/A	Nicotine and salts				N503		
N/A	Nitrate compounds (water dissociable)				N511		
N/A	Nitrophenols			**			
N/A	Nitrosamines			**			
N/A	Phthalate Esters			**			
N/A	Polybrominated Biphenyls (PBBs)				N575		
N/A	Polychlorinated alkanes (C10 to C13)				N583		
N/A	Polycyclic aromatic compounds (includes only 19 chemicals)				N590		

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CAS	Covered Substance	EHS	EHS	CERCLA	Sect.	RCRA	CAA
Number		TPQ	RQ	RQ	313	Code	TQ
N/A	Polycyclic organic matter			**			
N/A	Polynuclear Aromatic Hydrocarbons			**			
N/A	Selenium Compounds			**	N725		
N/A	Silver Compounds			**	N740		
N/A	Strychnine and salts				N746		
N/A	Thallium Compounds			**	N760		
N/A	Warfarin and salts				N874		
N/A	Zinc Compounds			**	N982		