

COMMONWEALTH OF KENTUCKY
MADISON COUNTY FISCAL COURT
MADISON COUNTY, KENTUCKY

ORDINANCE NO. 00-16

AN ORDINANCE RELATING TO THE USE AND CONTROL OF HAZARDOUS MATERIALS IN MADISON COUNTY, KENTUCKY, THE TIMELY REPORTING OF RELEASES THEREOF, AND REQUIRING REIMBURSEMENT FROM THE PARTIES RESPONSIBLE FOR HAZARDOUS MATERIALS RELEASES TO LOCAL GOVERNMENT, PUBLIC SAFETY, AND EMERGENCY AGENCIES FOR EXPENSES INCURRED RESPONDING TO SUCH HAZARDOUS MATERIALS RELEASES.

WHEREAS, the Fiscal Court of Madison County, Kentucky, has determined that there have been numerous releases of hazardous materials in this county; and

WHEREAS, hazardous materials can pose a direct and potential threat to the health, safety and welfare of the people of this county and to the surrounding environment and that it is the duty of local government to protect its citizens, and that persons who handle hazardous materials also have a responsibility to the community and its residents to minimize risk; and

WHEREAS, the release or spillage of hazardous materials may require emergency response by the various public safety and emergency agencies of the county and/or the cities therein to protect the health, safety and welfare of the people of this county and their environment; and

WHEREAS, the Fiscal Court further determines that an ordinance is necessary to provide a comprehensive approach on the local level to prevent the uncontrolled release of hazardous materials into the surrounding environment which can directly or indirectly cause harm or damage to the environment and to human health and property, and for this approach to be effective, cooperation between the public and private sectors is essential; and

WHEREAS, in order to implement a plan related to hazardous materials, information on the locations and types of hazardous materials stored, manufactured, used, disposed of, transported, or otherwise managed in and through this county must be gathered, compiled, and updated for use by the government, while protecting the legitimate interests of business in safeguarding confidential information and trade secrets; and

WHEREAS, the Fiscal Court further determines that the timely reporting of releases or threatened releases of hazardous materials and spills is critical to government emergency response procedures designed to limit and control danger to life and property; and

WHEREAS, the Fiscal Court further determines that the regulations established in this ordinance are necessary, appropriate and reasonably established and rationally related to the potentially exigent circumstances which may be posed by the release or spillage of hazardous materials occurring in this county;

NOW THEREFORE, BE IT ORDAINED BY THE FISCAL COURT OF THE COUNTY OF MADISON, COMMONWEALTH OF KENTUCKY, AS FOLLOWS:

SECTION I - PURPOSE

This Ordinance is adopted by the Madison County Fiscal Court for the purpose of protecting public health and safety in Madison County, Kentucky, through prevention and control of hazardous materials incidents and releases, requiring the timely reporting of releases of hazardous materials to appropriate local public safety and emergency agencies in responding to such hazardous materials releases, and providing a method for reimbursement by the responsible party for expenses incurred by the county or any other agency as a result of such releases.

SECTION II - APPLICABILITY

Pursuant to authority of K.R.S. 67.083 (7), the provisions of this Ordinance shall apply to all persons who manufacture, use, store, or transport hazardous materials in quantities prescribed by this Ordinance and as defined herein within the entire County of Madison.

SECTION III - DEFINITIONS

As used in the herein Ordinance, unless the context of usage clearly requires otherwise, the meanings of specific terms in this Ordinance shall be as follows:

- (1) "Authorized Release" means a release of hazardous materials in accordance with an appropriate permit granted by a state or federal agency having primary jurisdiction over such release;
- (2) "Consumer Product" shall have the meaning as stated in 15 U.S.C. 2052;
- (3) "Costs" shall mean and include all expenses incurred by local government and/or local emergency response organizations regardless of whether or not such agencies are publicly or privately owned in responding to any hazardous materials spill, leak or other release into the environment and for any remedial or removal actions taken to protect and safeguard the public health and safety, property or the environment. The term includes, but is not limited to, costs incurred for personnel, equipment and the use thereof, materials, supplies, services, lost wages of volunteer personnel, damage or loss of

equipment, both organization and personal, and related expenses resulting directly from response to a release or threatened release of a hazardous material;

(4) "Employee" means any person who works, with or without compensation, in a workplace;

(5) "Employer" means any person, firm, corporation, partnership, association, government agency, or other entity engaged in a business or providing services which has employees;

(6) "Environment" means the navigable waters of the United States and any other surface water, ground water, drinking water supply, soil surface, subsurface strata, storm sewer or publicly owned sanitary sewer or treatment works (other than those handling only wastewater generated at a facility) within Madison County, Kentucky. The terms shall include air only for purposes of reporting releases pursuant to the further provisions of this Ordinance;

(7) "Facility" means any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or publicly owned treatment container), tank, motor vehicle, truck trailer, rolling stock, or aircraft; or any site or area where a hazardous material has been deposited, stored, disposed of, abandoned, placed or otherwise come to be located. Consumer products in consumer use and vessels are not included;

(8) "Hazardous Materials" means any element, compound, substance or material or any combination thereof which are toxic, flammable, explosive, corrosive, radioactive, oxidizers, etiological agents, carcinogenic, or are highly reactive when mixed with other substances, including, but not limited to, any substance or material which is designated a hazardous material pursuant to the "Hazardous Materials Transportation Act" (49 U.S.C.A., Sec. 1801, et seq.) or is listed by Appendix A, 40 CFR Part 302, "List of Hazardous Materials and Reportable Quantities", as amended, published by the U.S. Environmental Protection Agency (EPA), a copy of which said list is attached as Appendix A hereto and herein incorporated by reference the same as if set out at length herein in words and figures, in a quantity and form which may pose a substantial present or potential hazard to human health, property or the environment when improperly released, treated, stored, transported, disposed of, or otherwise managed;

(9) "Hazardous Materials Response Team" means any private or public agency or organization that assists or may be responsible for any or all of the following: hazardous materials identification, hazard and risk assessment, implementation of control procedures, containment and confinement operations, rendering the incident area safe, and performing decontamination procedures at the hazardous materials incident. It will be the responsibility of the Hazardous Materials Response Team Supervisor to ensure that any and all applicable EPA and OSHA standards are adhered to during their operations.

(10) "Normal Application of Pesticides" means application pursuant to the label directions for application of a pesticide produce registered under section 30 or section 24 of the Federal Insecticide, Fungicide, and Rodenticide Act as amended (7 U.S.C. 135 et seq.) (FIRA), or pursuant to the terms and conditions of an experimental use permit issued under section 5 of FIRA, or pursuant to an exemption granted under section 18 of FIRA;

(11) "Oil means oil of any kind or in any form, including but not limited to petroleum, fuel oil, sludge, oil refuse, and oil mixed with wastes other than dredged spoil;

(12) "Release" means any spilling, leaking, pumping, pouring, emitting, escaping, emptying, discharging, injecting, leaching, dumping, or disposing of a hazardous material into or on any land, air, water, well, stream, sewer or pipe so that such hazardous materials or any constituent thereof may enter the environment. The term shall not apply to (a) with respect to a claim which such persons may assert against the employer of such persons as provided by CERCLA regulations, any release which results in exposure to persons solely within a workplace, (b) emissions from the engine exhaust of a motor vehicle, rolling stock, aircraft, vessel, or a pipeline station pumping engine, and (c) the normal application of fertilizers and pesticides;

(13) "Person" means any individual, business, firm, limited liability company, partnership, corporation, consortium, association, trust, joint stock company, cooperation, joint venture, city, county, city or county special district, the state or any department, agency or political subdivision thereof, the United States Government, or any other commercial or legal entity;

(14) "Remedial Action" means any action consistent with permanent remedy taken instead of or in addition to any removal actions in the event of a release or threatened release of a hazardous material into the environment, to prevent or minimize the release of hazardous materials so that they do not migrate to cause a substantial present or potential hazard to human health, property or the environment. The term includes, but is not limited to, such actions at the location of the release as storage, confinement, perimeter protection using dikes, trenches or ditches, clay (or other earth) cover, neutralization, cleanup of released hazardous materials or contaminated materials, recycling or reuse, diversion, destruction, segregation of reactive wastes, repair or replacement of leaking containers, collection of leachate and runoff, on site treatment or incineration, provision of alternative water supplies, and any monitoring reasonably required to assure that such actions protect public health and welfare and the environment;

(15) "Removal" means the cleanup or removal of released hazardous materials from the environment, such actions as may be necessary or appropriate to monitor, assess, and evaluate the release or threatened release of hazardous materials, the disposal of removed

material, or the taking of such actions as may be necessary to prevent, minimize, or mitigate damage to public health or welfare or the environment. The term includes, but is not limited to, security fencing, provision of alternative water supplies, and temporary evacuation, reception and care of threatened persons;

(16) "Reportable Quantity" means that quantity as set for the in Section IV of this Ordinance;

(17) "Response" means any remedial or removal actions, including, but not limited to, response by local public safety and emergency agencies and subsequent actions taken to insure the preservation and protection of the public health, safety, welfare and the environment;

(18) "Store" means to deposit or place a substance in the county for a period of ten (10) days or more provided such substances is not otherwise in transit;

(19) "Use " means to store, maintain, treat, process, handle, generate, dispose of, or otherwise manage. Use shall not include any mode of transportation other than onsite transportation;

(20) "Vessel" means every description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water.

SECTION IV - DETERMINATION OF REPORTABLE QUANTITIES

A. Listed Hazardous Materials: The quantity appearing in column "RQ" for each hazardous material listed by Appendix A, "List of Hazardous Materials and Reportable Quantities", 40 CFR Part 302, as amended, published by the U.S. Environmental Protection Agency (EPA) shall be the reportable quantity for that material.

B. Unlisted Hazardous Materials: Unlisted hazardous wastes designated as hazardous materials have the reportable quantity of 100 pounds, except for those unlisted hazardous wastes exhibiting the characteristics of EP toxicity identified in 40 CFR 261.24. Unlisted hazardous wastes exhibit EP toxicity have the reportable quantities listed in Appendix A to 40 CFR Part 302, as amended, for the containment on which the characteristics of EP toxicity is based. If an unlisted hazardous waste exhibits EP toxicity on the basis of more than one contaminant, the reportable quantity for that waste shall be the lowest of the reportable quantities listed by Appendix A to 40 CFR Part 302, as amended, for those contaminants. If an unlisted hazardous waste exhibits the characteristics of EP toxicity and one or more of the other characteristics, the reportable quantity shall be the lowest of the applicable reportable quantities.

C. Oil: (1) The reportable quantity for releases of oil to waters of the United States or

adjoining shorelines is any quantity which violates applicable water quantity standards or causes a film or sheen upon or discoloration of the surface of the water or adjoining shorelines or causes a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines. (2) The reportable quantity for releases of oil to the environment other than releases to waters of the United States and adjoining shorelines is 56 gallons. (3) Notwithstanding any other provision of this Section, a release of oil from a properly functioning vessel engine shall not be deemed to be in a reportable quantity; however, this provision shall not be applicable to oil accumulated in a vessel's bilges.

D. Releases to Sanitary Sewer System: Notwithstanding any other provision of this Section, any release of a hazardous material to a sanitary sewer system which is prohibited under applicable pretreatment or other regulations of any sanitation district operating within Madison County governing discharges to the sanitary sewer system shall be deemed to be discharged in reportable quantities.

E. Component Hazardous Materials Release: A release of a mixture or solution of which a hazardous material is a component shall be considered to be a release in a reportable quantity only where the component hazardous material of the mixture or solution is released in a quantity equal to or greater than its reportable quantity.

SECTION V - PROHIBITED ACTS AND NOTIFICATION

A. Notice Upon Discovery: When a release or a threatened release, other than an authorized release, of a hazardous material in a quantity equal to or exceeding the reportable quantity hereinbefore established for such material occurs or its imminent on any facilities of any kind within Madison County, the person in charge of such facilities, upon discovery of such release or threatened release, or evidence that a release has occurred even though it has apparently been controlled, shall immediately cause notice of the existence of such release or threatened release, the circumstances of same, and the location thereof to the Madison County Communications Center and the Kentucky Emergency Response Commission.

B. Emergency Telephone Number: The notice required to be given by this Section in Madison County may be provided by telephoning (859) 624-4776 (Madison County Communications Center). This call will assist in meeting the requirements for notification of local agencies and, to the extent permitted by existing agreement, will also assist in providing notice to appropriate agencies of the Commonwealth of Kentucky and the United States of America (Reference Tab Q-7-4). While this assistance will be provided, it in no way relieves the responsible party from the responsibility of any or all required notifications to local, state and federal agencies.

C. Duty to Control Releases: The notice required to be given by this Section shall not be construed as forbidding or otherwise exempting any person on or about the facilities from

exercising all diligence necessary to control such release prior to or subsequent to such notice to the Madison County Communications Center, especially if such efforts may result in the containment of the release and/or the abatement of extreme hazard to the employees or the general public. Delays in reporting due to any in-house requirement for notification to off site owners/supervisors shall not be acceptable as reason for delay in notification required by this Section, and any such delay may result in penalties (Reference Section IX of this document).

D. Duty to Report to Other Agencies: No statement contained in this Section shall be construed to exempt or release any person from any other notification or reporting procedures in accordance with applicable state or federal laws or regulations.

SECTION VI - ADMINISTERING AGENCY

The purpose of this Ordinance is to establish a uniform county-wide program for protection of the environment from uncontrolled releases of hazardous materials to be administered by existing agencies of local government. The Local Fire Department of the Jurisdiction and the Madison County Emergency Management Agency in conjunction with Madison County Fiscal Court shall be the lead agencies in administering this Ordinance.

SECTION VII - RESPONSE AUTHORITY

A. The Fire Chief of the jurisdiction in which such release or threatened release is located shall have primary authority for taking remedial or removal actions necessary to control or contain such release or threatened release and to assure the protection of human health, property and the environment. The role of the responding Hazardous Materials Response Team (hereinafter called "HMRT") is to give technical advice and assistance to the Fire Chief. The HMRT shall not direct the emergency response unless requested to do so by the Fire Chief or his authorized representative.

B. The HMRT or the Fire Chief shall immediately report any release or threatened release that meets or exceeds the level of IDLH (Immediately Dangerous to Life and Health) to the executive authority of the jurisdiction (e.g. County Judge/Executive or his administrative assistant, Mayor, City Administrative Officer, City Coordinator). If in the opinion of the executive authority, the seriousness of the situation warrants, the chief executive officer of the jurisdiction (County Judge/Executive or mayor) shall declare the existence of a state of emergency in the jurisdiction, and thereafter, the response authority provided by this Section shall then be vested in such chief executive officer. In such event, the chief executive officer may authorize the HMRT, the Fire Chief, or other appropriate person to exercise all or part of the response authority provided by this Section until further notice.

C. All local emergency response personnel shall cooperate with and operate under the direction of the chief executive officer of the jurisdiction, the Fire Chief, or other person then exercising response authority under this Section until such time as the person then exercising response authority has determined that the response is complete, or responsibility for response has been assumed by the state or federal agency having primary jurisdiction over such release or threatened release.

D. The person exercising response authority under this Section shall coordinate and/or cooperate with other federal, state or local public health, safety and emergency agencies involved in the response to a release or threatened release of hazardous materials.

E. The person exercising response authority under this Section may, with the approval of the executive authority of the jurisdiction, obtain vital supplies, equipment, services and other properties needed for the protection of human health, property and the environment and obligates the jurisdiction for the fair value thereof.

SECTION VIII - LIABILITY FOR COSTS

Notwithstanding any other provision or rule of law, the following persons shall be jointly and severally liable for all costs of removal and remedial actions incurred by local public safety and emergency agencies as a result of a release or threatened release of hazardous materials into the environment:

A. The owner and operator of a facility or vessel from which there is a release or substantial threat of release of hazardous materials;

B. Any person who, at the time of disposal, transport, storage, or treatment of hazardous materials, owned or operated the facility or vessel used for such disposal, transport, treatment, or storage from which there was a release or substantial threat of a release of hazardous materials;

C. Any person who by contact, agreement, or otherwise has arranged with another party or entity for transport, storage, disposal or treatment of hazardous materials owned, controlled or possessed by another party or entity from which facility there is a release or substantial threat of a release of hazardous materials;

D. Any person who accepts or accepted any hazardous materials for transport to disposal, storage or treatment facilities from which there is a release or substantial threat of a release of hazardous materials.

SECTION IX - AUTHORIZED RELEASE

There shall be no liability under this Ordinance for any release permitted by state or federal law, but only to the extent that such release is made in accordance with an appropriate permit granted by the state or federal agency having primary jurisdiction over such release and that such release is in full compliance with such permit with respect to time, location and manner of the release so that such release will not create a hazard or potential hazard to human health, property or the environment; or, if such release is in substantially lesser quantities than those reportable quantities established by state or federal law, regulations, permit requirements, or ordinances of the jurisdiction in which such release occurs.

SECTION X - CONTRACTUAL INDEMNIFICATION: SUBROGATION

A. No conveyance, transfer, sale, indemnification, hold harmless, or similar agreement shall be effective to release the owner or operator of any facility or vessel or any person who may be liable for a release of hazardous materials or threat thereof under this Ordinance. Nothing in this Section shall bar any arrangements to insure, hold harmless or indemnify a party to such agreement for any liability under this Ordinance.

B. Nothing in this Section, including the provisions of subsection A above, shall bar a cause of action that an owner or operator or any other person subject to liability under this Ordinance, or a guarantor, has or would have, by reason of subrogation or otherwise against any person.

SECTION XI - ENFORCEMENT; NOTICE OF VIOLATION

A. The administering agency and the response authority hereinbefore designated shall have joint primary responsibility for enforcement of the provisions of this Ordinance.

B. Upon notification or discovery of any violation of the provisions of this Ordinance, the administering agency will immediately investigate the site upon which the violation is located. The administering agency will be the lead enforcement agency for violations of this Ordinance. If a violation exists, a notice describing the violation shall be served upon the person who is responsible for the facilities upon which the violation has occurred, if the identity of the person is known. The notice shall also include the following, if applicable:

- (1) a statement that if the situation is not remedied within the prescribed period of time, the administering agency may proceed to correct the violation;
- (2) a statement that the person shall be liable for any costs incurred by public

agencies associated with their releases except for those costs that are associated with a normal emergency response;

(3) a statement that after the administering agency has corrected the violation, a bill shall be sent charging the person the amount of costs and expenses incurred by the governmental agency in correcting the violation;

(4) a statement that penalties may be levied for violations that have occurred.

C. Governmental Response: In cases where the identity of the person who is responsible for facilities upon which a violation has occurred is not known at the time a violation is reported or discovered, the county or any governmental agency within the county may take reasonable steps to abate any problem and may take reasonable steps to clean-up the area affected to assure continuing safety of the public and the environment. When the identify of the person responsible for the facility is determined, a bill shall be sent to that person for the costs for correcting the violation according to the provisions of subsections A and B of this Section.

D. Injunctive Relief: The administering agency is empowered to seek injunctive relief for violations of this Ordinance should other means prove ineffective and a threat to public health and safety exists.

SECTION XII - PENALTIES

A. Any person who is responsible for the release or substantial threat of a release of hazardous materials into the environment in violation of Section V or who fails to report such release or threatened release in violation of Section V of this Ordinance shall, upon conviction thereof by a court of competent jurisdiction, be guilty of a Class A Misdemeanor and subject to a fine or imprisonment or by both such fine and imprisonment as is otherwise provided by law for such offense. Each day that such violation occurs, exists or continues shall be deemed to be a separate offense.

B. Any person who otherwise violates any provision of this Ordinance other than Section V (Prohibited Acts and Notification) shall, upon conviction thereof by a court of competent jurisdiction, be guilty of a Class B Misdemeanor and subject to such fine or imprisonment or by both such fine and imprisonment as is otherwise provided by law for such offense. Each day that such violation occurs, exists or continues shall be deemed to be a separate offense.

C. In addition to the penalties provided in subsection A and B above, any person violating any provisions of this Ordinance shall become liable civilly to the appropriate county or city government for any expense loss or damage to the government or agency thereof caused by reason of such violation, including, but not limited to, any clean-up,

evacuation, administration or other expenses, and legal expenses.

SECTION XIII - DISCLAIMER OF LIABILITY

This Ordinance shall not create liability on the part of the administering agency or on the part of the response authority for any damages that result from reliance on this Ordinance or any administrative decision lawfully made thereunder. All persons are advised to comply with the level of protection required by OSHA, necessary or desirable to ensure that there is no unauthorized release of hazardous materials.

SECTION XIV - SEVERABILITY

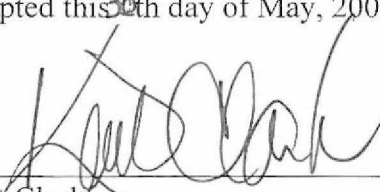
If any provision or section of this Ordinance or the enforcement of such provision or section is held to be invalid or unenforceable by a court of competent jurisdiction, such invalidity or inability to be enforced shall not effect or render invalid any other provision or section.

SECTION XV - EFFECTIVE DATE

This ordinance shall become effective immediately upon its passage and approval of the Madison County Fiscal Court.

Passed on first reading this 9th day of May, 2000

Adopted this ~~9~~³⁰th day of May, 2000.



Kent Clark
Madison County Judge/Executive

SUBMITTED BY:

Marc Robbins
Marc Robbins, Madison County Attorney

ATTEST:

Mary Jane Ginter
Mary Jane Ginter, Madison County Fiscal Court Clerk

PART 302—DESIGNATION, REPORTABLE QUANTITIES, AND NOTIFICATION

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AUTHORITY: 42 U.S.C. 9602, 9603, and 9604; 33 U.S.C. 1321 and 1361.

SOURCE: 50 FR 13474, Apr. 4, 1985, unless otherwise noted.

§ 302.1 Applicability.

This regulation designates under section 102(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 ("the Act") those substances in the statutes referred to in section 101(14) of the Act, identifies reportable quantities for these substances, and sets forth the notification requirements for releases of these substances. This regulation also sets forth reportable quantities for hazardous substances designated under section 311(b)(2)(A) of the Clean Water Act.

§ 302.2 Abbreviations.

CASRN=Chemical Abstracts Service Registry Number
RCRA=Resource Conservation and Recovery Act of 1976, as amended
lb=pound
kg=kilogram
RQ=reportable quantity

§ 302.3 Definitions.

As used in this part, all terms shall have the meaning set forth below:

The Act, CERCLA, or Superfund means the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Pub. L. 96-510);

Administrator means the Administrator of the United States Environmental Protection Agency ("EPA");

Consumer product shall have the meaning stated in 15 U.S.C. 2052;

Environment means (1) the navigable waters, the waters of the contiguous zone, and the ocean waters of which the natural resources are under the ex-

clusive management authority of the United States under the Fishery Conservation and Management Act of 1976, and (2) any other surface water, ground water, drinking water supply, land surface or subsurface strata, or ambient air within the United States or under the jurisdiction of the United States;

Facility means (1) any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or publicly owned treatment works), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, or aircraft, or (2) any site or area where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located; but does not include any consumer product in consumer use or any vessel;

Hazardous substance means any substance designated pursuant to 40 CFR part 302;

Hazardous waste shall have the meaning provided in 40 CFR 261.3;

Navigable waters or navigable waters of the United States means waters of the United States, including the territorial seas;

Offshore facility means any facility of any kind located in, on, or under, any of the navigable waters of the United States, and any facility of any kind which is subject to the jurisdiction of the United States and is located in, on, or under any other waters, other than a vessel or a public vessel;

Onshore facility means any facility (including, but not limited to, motor vehicles and rolling stock) of any kind located in, on, or under, any land or non-navigable waters within the United States;

Person means an individual, firm, corporation, association, partnership, consortium, joint venture, commercial entity, United States Government, State, municipality, commission, political subdivision of a State, or any interstate body;

Release means any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment, but excludes (1) any release which results in exposure to persons solely within a workplace, with respect

to a claim which such persons may assert against the employer of such persons, (2) emissions from the engine exhaust of a motor vehicle, rolling stock, aircraft, vessel, or pipeline pumping station engine, (3) release of source, byproduct, or special nuclear material from a nuclear incident, as those terms are defined in the Atomic Energy Act of 1954, if such release is subject to requirements with respect to financial protection established by the Nuclear Regulatory Commission under section 170 of such Act, or for the purposes of section 104 of the Comprehensive Environmental Response, Compensation, and Liability Act or any other response action, any release of source, byproduct, or special nuclear material from any processing site designated under section 102(a)(1) or 302(a) of the Uranium Mill Tailings Radiation Control Act of 1978, and (4) the normal application of fertilizer;

Reportable quantity means that quantity, as set forth in this part, the release of which requires notification pursuant to this part;

United States include the several States of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Commonwealth of the Northern Marianas, and any other territory or possession over which the United States has jurisdiction; and

Vessel means every description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water.

§ 302.4 Designation of hazardous substances.

(a) *Listed hazardous substances.* The elements and compounds and hazardous wastes appearing in table 302.4 are designated as hazardous substances under section 102(a) of the Act.

(b) *Unlisted hazardous substances.* A solid waste, as defined in 40 CFR 261.2, which is not excluded from regulation as a hazardous waste under 40 CFR 261.4(b), is a hazardous substance under section 101(14) of the Act if it exhibits any of the characteristics identified in 40 CFR 261.20 through 261.24.

NOTE: The numbers under the column headed "CASRN" are the Chemical Abstracts Service Registry Numbers for each hazardous substance. Other names by which each hazardous substance is identified in other statutes and their implementing regulations are provided in the "Regulatory Synonyms" column. The "Statutory RQ" column lists the RQs for hazardous substances established by section 102 of CERCLA. The "Statutory Code" column indicates the statutory source for designating each substance as a CERCLA hazardous substance: "1" indicates that the statutory source is section 311(b)(4) of the Clean Water Act, "2" indicates that the source is section 307(a) of the Clean Water Act, "3" indicates that the source is section 112 of the Clean Air Act, and "4" indicates that the source is RCRA section 3001. The "RCRA Waste Number" column provides the waste identification numbers assigned to various substances by RCRA regulations. The column headed "Category" lists the code letters "X," "A," "B," "C," and "D," which are associated with reportable quantities of 1, 10, 100, 1000, and 5000 pounds, respectively. The "Pounds (kg)" column provides the reportable quantity adjustment for each hazardous substance in pounds and kilograms.

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Acenaphthene	83329		1*	2		B	100 (45.4)
Acenaphthylene	208968		1*	2		D	5000 (2270)
Acetaldehyde	75070	Ethanal	1000	1,3,4	U001	C	1000 (454)
Acetaldehyde, chloro-	107200	Chloroacetaldehyde	1*	4	P023	C	1000 (454)
Acetaldehyde, trichloro-	75876	Chloral	1*	4	U034	D	5000 (2270)
Acetamide	60355		1*	3		B	100 (45.4)
Acetamide, N-(aminothioxomethyl)-	591082	1-Acetyl-2-thiourea	1*	4	P002	C	1000 (454)
Acetamide, N-(4-ethoxyphenyl)-	62442	Phenacetin	1*	4	U187	B	100 (45.4)
Acetamide, 2-fluoro-	640197	Fluoroacetamide	1*	4	P057	B	100 (45.4)
Acetamide, N-9H-fluoren-2-yl-	53963	2-Acetylaminofluorene	1*	3,4	U005	X	1 (0.454)
Acetic acid	64197		1000	1		D	5000 (2270)
Acetic acid (2,4-dichlorophenoxy)-, salts & esters	94757	2,4-D Acid,	100	1,3,4	U240	B	100 (45.4)
		2,4-D, salts and esters					
Acetic acid, Lead(2+) salt	301042	Lead acetate	5000	1,4	U144	A	10 (4.54)
Acetic acid, thallium (1+) salt	563688	Thallium(I) acetate	1*	4	U214	B	100 (45.4)
Acetic acid, (2,4,5-trichlorophenoxy)	93765	2,4,5-T	100	1,4	U232	C	1000 (454)
		2,4,5-T acid					
Acetic acid, ethyl ester	141786	Ethyl acetate	1*	4	U112	D	5000 (2270)
Acetic acid, fluoro-, sodium salt	62748	Fluoroacetic acid, sodium salt	1*	4	P058	A	10 (4.54)
Acetic anhydride	108247		1000	1		D	5000 (2270)
Acetone	67541	2-Propanone	1*	4	U002	D	5000 (2270)
Acetone cyanohydrin	75865	Propanenitrile, 2-hydroxy-2-methyl-2-Methylactonitrile.	10	1,4	P069	A	10 (4.54)
Acetonitrile	75058		1*	3,4	U003	D	5000 (2270)
Acetophenone	98862	Ethanone, 1 phenyl-	1*	3,4	U004	D	5000 (2270)
2-Acetylaminofluorene	53963	Acetamide, N-9H-fluoren-2-yl-	1*	3,4	U005	X	1 (0.454)
Acetyl bromide	506967		5000	1		D	5000 (2270)
Acetyl chloride	75365		5000	1,4	U006	D	5000 (2270)
1-Acetyl-2-thiourea	591082	Acetamide, N-(aminothioxomethyl)-	1*	4	P002	C	1000 (454)
Acrolein	107028	2-Propenal	1	1,2,3,4	P003	X	1 (0.454)
Acrylamide	79061	2-Propenamide	1*	3,4	U007	D	5000 (2270)
Acrylic acid	79107	2-Propenoic acid	1*	3,4	U008	D	5000 (2270)
Acrylonitrile	107131	2-Propenenitrile	100	1,2,3,4	U009	B	100 (45.4)
Adipic acid	124049		5000	1		D	5000 (2270)
Aldicarb	116063	Propanal, 2-methyl-2-(methylthio)-,O-[(methylamino)carbonyl]oxime.	1*	4	P070	X	1 (0.454)
Aldrin	309002	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha,4beta,5alpha,8alpha,8beta)-.	1	1,2,4	P004	X	1 (0.454)
Allyl alcohol	107186	2-Propen-1-ol	100	1,4	P005	B	100 (45.4)

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TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued
 [Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Allyl chloride	107051	.....	1000	1,3		C	1000 (454)
Aluminum phosphide	20859738	.....	1*	4	P006	B	100 (45.4)
Aluminum sulfate	10043013	.....	5000	1		D	5000 (2270)
4-Aminobiphenyl	92671	.....	1*	3		X	1 (0.454)
5-(Aminomethyl)-3-isoxazolol	2763964	Muscimol 3(2H)-Isoxazolone, 5-(aminomethyl)-	1*	4	P007	C	1000 (454)
4-Aminopyridine	504245	4-Pyridinamine	1*	4	P008	C	1000 (454)
Amitrole	61825	1H-1,2,4-Triazol-3-amine	1*	4	U011	A	10 (4.54)
Ammonia	7664417	.....	100	1		B	100 (45.4)
Ammonium acetate	631618	.....	5000	1		D	5000 (2270)
Ammonium benzoate	1863634	.....	5000	1		D	5000 (2270)
Ammonium bicarbonate	1066337	.....	5000	1		D	5000 (2270)
Ammonium bichromate	7789095	.....	1000	1		A	10 (4.54)
Ammonium bifluoride	1341497	.....	5000	1		B	100 (45.4)
Ammonium bisulfite	10192300	.....	5000	1		D	5000 (2270)
Ammonium carbamate	1111780	.....	5000	1		D	5000 (2270)
Ammonium carbonate	506876	.....	5000	1		D	5000 (2270)
Ammonium chloride	12125029	.....	5000	1		D	5000 (2270)
Ammonium chromate	7788989	.....	1000	1		A	10 (4.54)
Ammonium citrate, dibasic	3012655	.....	5000	1		D	5000 (2270)
Ammonium fluoroborate	13826830	.....	5000	1		D	5000 (2270)
Ammonium fluoride	12125018	.....	5000	1		B	100 (45.4)
Ammonium hydroxide	1336216	.....	1000	1		C	1000 (454)
Ammonium oxalate	6009707	.....	5000	1		D	5000 (2270)
	5972736	.....				
	14258492	.....				
Ammonium picrate	131748	Phenol, 2,4,6-trinitro-, ammonium salt	1*	4	P009	A	10 (4.54)
Ammonium silicofluoride	16919190	.....	1000	1		C	1000 (454)
Ammonium sulfamate	7773060	.....	5000	1		D	5000 (2270)
Ammonium sulfide	12135761	.....	5000	1		B	100 (45.4)
Ammonium sulfite	10196040	.....	5000	1		D	5000 (2270)
Ammonium tartrate	14307438	.....	5000	1		D	5000 (2270)
	3164292	.....				
Ammonium thiocyanate	1762954	.....	5000	1		D	5000 (2270)
Ammonium vanadate	7803556	Vanadic acid, ammonium salt	1*	4	P119	C	1000 (454)
Amyl acetate	628637	.....	1000	1		D	5000 (2270)
iso-Amyl acetate	123922	.....				
sec-Amyl acetate	626380	.....				
tert-Amyl acetate	625161	.....				
Aniline	62533	Benzenamine	1000	1,3,4	U012	D	5000 (2270)
o-Anisidine	90040	1*	3		B	100 (45.4)
Anthracene	120127	1*	2		D	5000 (2270)

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Antimony II	7440360	Antimony Compounds	1*	2		D	5000 (2270)
ANTIMONY AND COMPOUNDS	N.A.	ANTIMONY AND COMPOUNDS	1*	2,3			**
Antimony Compounds	N.A.	ANTIMONY AND COMPOUNDS	1*	2,3			**
Antimony pentachloride	7647189		1000	1		C	1000 (454)
Antimony potassium tartrate	26300745		1000	1		B	100 (45.4)
Antimony tribromide	7789619		1000	1		C	1000 (454)
Antimony trichloride	10025919		1000	1		C	1000 (454)
Antimony trifluoride	7783564		1000	1		C	1000 (454)
Antimony trioxide	1309644		5000	1		C	1000 (454)
Argentate(1-), bis(cyano-C)-, potassium	506616	Potassium silver cyanide	1*	4	P099	X	1 (0.454)
Aroclor 1016	12674112	Aroclors	10	1,2,3		X	1 (0.454)
		PCBs					
		POLYCHLORINATED BIPHENYLS					
Aroclor 1221	11104282	Aroclors	10	1,2,3		X	1 (0.454)
		PCBs					
		POLYCHLORINATED BIPHENYLS					
Aroclor 1232	11141165	Aroclors	10	1,2,3		X	1 (0.454)
		PCBs					
		POLYCHLORINATED BIPHENYLS					
Aroclor 1242	53469219	Aroclors	10	1,2,3		X	1 (0.454)
		PCBs					
		POLYCHLORINATED BIPHENYLS					
Aroclor 1248	12672296	Aroclors	10	1,2,3		X	1 (0.454)
		PCBs					
		POLYCHLORINATED BIPHENYLS					
Aroclor 1254	11097691	Aroclors	10	1,2,3		X	1 (0.454)
		PCBs					
		POLYCHLORINATED BIPHENYLS					
Aroclor 1260	11096825	Aroclors	10	1,2,3		X	1 (0.454)
		PCBs					
		POLYCHLORINATED BIPHENYLS					
Aroclors	1336363	PCBs	10	1,2,3		X	1 (0.454)
		POLYCHLORINATED BIPHENYLS					
Aroclor 1016	12674112		10	1,2,3		X	1 (0.454)
Aroclor 1221	11104282		10	1,2,3		X	1 (0.454)
Aroclor 1232	11141165		10	1,2,3		X	1 (0.454)
Aroclor 1242	53469219		10	1,2,3		X	1 (0.454)
Aroclor 1248	12672296		10	1,2,3		X	1 (0.454)
Aroclor 1254	11097691		10	1,2,3		X	1 (0.454)
Aroclor 1260	11096825		10	1,2,3		X	1 (0.454)
Arsenic II	7440382		1*	2,3		X	1 (0.454)
Arsenic acid	1327522	Arsenic acid H ₃ AsO ₄	1*	4	P010	X	1 (0.454)
	7778394						
Arsenic acid H ₃ AsO ₄	1327522	Arsenic acid	1*	4	P010	X	1 (0.454)
	7778394						
ARSENIC AND COMPOUNDS	N.A.	Arsenic Compounds (inorganic including arsine)	1*	2,3			**
Arsenic Compounds (inorganic including arsine)	N.A.	ARSENIC AND COMPOUNDS	1*	2,3			**
Arsenic disulfide	1303328		5000	1		X	1 (0.454)
Arsenic oxide As ₂ O ₃	1327533	Arsenic trioxide	5000	1,4	P012	X	1 (0.454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Arsenic oxide As ₂ O ₃	1303282	Arsenic pentoxide	5000	1,4	P011	X	1 (0.454)
Arsenic pentoxide	1303282	Arsenic oxide As ₂ O ₃	5000	1,4	P011	X	1 (0.454)
Arsenic trichloride	7784341	.....	5000	1		X	1 (0.454)
Arsenic trioxide	1327533	Arsenic oxide As ₂ O ₃	5000	1,4	P012	X	1 (0.454)
Arsenic trisulfide	1303339	.....	5000	1		X	1 (0.454)
Arsine, diethyl-	692422	Diethylarsine	1*	4	P038	X	1 (0.454)
Arsinic acid, dimethyl-	75605	Cacodylic acid	1*	4	U136	X	1 (0.454)
Arsinous dichloride, phenyl-	696286	Dichlorophenylarsine	1*	4	P036	X	1 (0.454)
Asbestos [††]	1332214	.....	1*	2,3		X	1 (0.454)
Auramine	492808	Benzenamine, 4,4'-carbonimidoylbis (N,N-dimethyl)-	1*	4	U014	B	100 (45.4)
Azaserine	115026	L-Serine, diazoacetate (ester)	1*	4	U015	X	1 (0.454)
Aziridine	151564	Ethyleneimine	1*	3,4	P054	X	1 (0.454)
Aziridine, 2-methyl-	75558	2-Methyl aziridine 1,2-Propylenimine	1*	3,4	P067	X	1 (0.454)
Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione,6-amino-8-[[aminocarbonyloxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-,[1aS-(1aalpha,6beta,8aalpha,8balpha)]-	50077	Mitomycin C	1*	4	U010	A	10 (4.54)
Barium cyanide	542621	.....	10	1,4	P013	A	10 (4.54)
Benz[<i>a</i>]aceanthrylene, 1,2-dihydro-3-methyl-	56495	3-Methylcholanthrene	1*	4	U157	A	10 (4.54)
Benz[<i>c</i>]acridine	225514	.....	1*	4	U016	B	100 (45.4)
Benzal chloride	98873	Benzene, dichloromethyl*	1*	4	U017	D	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	23950585	Pronamide	1*	4	U192	D	5000 (2270)
Benz[<i>a</i>]anthracene	56553	Benzo[<i>a</i>]anthracene	1*	2,4	U018	A	10 (4.54)
1,2-Benzanthracene	56553	1,2-Benzanthracene	1*	2,4	U018	A	10 (4.54)
Benz[<i>a</i>]anthracene, 7,12-dimethyl-	57976	Benzo[<i>a</i>]anthracene	1*	4	U094	X	1 (0.454)
Benzenamine	62533	7,12-Dimethylbenzo[<i>a</i>]anthracene	1000	1,3,4	U012	D	5000 (2270)
Benzenamine, 4,4'-carbonimidoylbis (N,N-dimethyl)-	492808	Aniline	1*	4	U014	B	100 (45.4)
Benzenamine, 4-chloro-	106478	Auramine	1*	4	P024	C	1000 (454)
Benzenamine, 4-chloro-2-methyl-, hydrochloride	3165933	p-Chloroaniline	1*	4	U049	B	100 (45.4)
Benzenamine, N,N-dimethyl-4-(phenylazo)-	60117	4-Chloro-o-toluidine, hydrochloride	1*	3,4	U093	A	10 (4.54)
Benzenamine, 2-methyl-	95534	Dimethyl aminoazobenzene	1*	3,4	U328	B	100 (45.4)
Benzenamine, 4-methyl-	106490	p-Dimethylaminoazobenzene	1*	4	U353	B	100 (45.4)
Benzenamine, 4,4'-methylenebis(2-chloro-	101144	o-Toluidine	1*	3,4	U158	A	10 (4.54)
Benzenamine, 2-methyl-, hydrochloride	636215	p-Toluidine	1*	4	U222	B	100 (45.4)
Benzenamine, 2-methyl-5-nitro-	99558	4,4'-Methylenebis(2-chloroaniline)	1*	4	U181	B	100 (45.4)
Benzenamine, 4-nitro-	100016	o-Toluidine hydrochloride	1*	4	P077	D	5000 (2270)
Benzene*	71432	5-Nitro-o-toluidine	1000	1,2,3,4	U109	A	10 (4.54)
Benzenoacetic acid, 4-chloro- α -(4-chlorophenyl)- α -hydroxy-, ethyl ester	510156	p-Nitroaniline	1*	3,4	U038	A	10 (4.54)
		Chlorobenzilate	1*	3,4	U038	A	10 (4.54)

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Benzene, 1-bromo-4-phenoxy-	101553	4-Bromophenyl phenyl ether	1*	2,4	U030	B	100 (45.4)
Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	305033	Chlorambucil	1*	4	U035	A	10 (4.54)
Benzene, chloro-	108907	Chlorobenzene	100	1,2,3,4	U037	B	100 (45.4)
Benzene, chloromethyl-	100447	Benzyl chloride	100	1,3,4	P028	B	100 (45.4)
Benzenediamine, ar-methyl-	95807	Toluenediamine	1*	3,4	U221	A	10 (4.54)
	496720	2,4-Toluene diamine					
	823405						
	25376458						
1,2-Benzenedicarboxylic acid, dioctyl ester	117840	Di-n-octyl phthalate	1*	2,4	U107	D	5000 (2270)
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	117817	Bis(2-ethylhexyl)phthalate	1*	2,3,4	U028	B	100 (45.4)
		DEHP					
		Diethylhexyl phthalate					
1,2-Benzenedicarboxylic acid, dibutyl ester	84742	n-Butyl phthalate	100	1,2,3,4	U069	A	10 (4.54)
		Dibutyl phthalate					
		Di-n-butyl phthalate					
1,2-Benzenedicarboxylic acid, diethyl ester	84662	Diethyl phthalate	1*	2,4	U088	C	1000 (454)
1,2-Benzenedicarboxylic acid, dimethyl ester	131113	Dimethyl phthalate	1*	2,3,4	U102	D	5000 (2270)
Benzene, 1,2-dichloro-	95501	o-Dichlorobenzene	100	1,2,4	U070	B	100 (45.4)
		1,2-Dichlorobenzene					
Benzene, 1,3-dichloro-	541731	m-Dichlorobenzene	1*	2,4	U071	B	100 (45.4)
		1,3-Dichlorobenzene					
Benzene, 1,4-dichloro-	106467	p-Dichlorobenzene	100	1,2,3,4	U072	B	100 (45.4)
		1,4-Dichlorobenzene					
Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-	72548	DDD	1	1,2,4	U060	X	1 (0.454)
		TDE					
		4,4' DDD					
Benzene, dichloromethyl-	98873	Benzal chloride	1*	4	U017	D	5000 (2270)
Benzene, 1,3-diisocyanatomethyl-	91087	Toluene diisocyanate	1*	3,4	U223	B	100 (45.4)
	524849	2,4-Toluene diisocyanate					
	26471625						
Benzene, dimethyl-	1330207	Xylene	1000	1,3,4	U239	B	100 (45.4)
		Xylene (mixed)					
		Xylenes (isomers and mixture)					
Benzene,m-dimethyl-	108383	m-Xylene	1*	3		C	1000 (454)
Benzene, o-dimethyl-	95476	o-Xylene	1*	3		C	1000 (454)
Benzene, p-dimethyl-	106423	p-Xylene	1*	3		B	100 (45.4)
1,3-Benzenediol	108463	Resorcinol	1000	1,4	U201	D	5000 (2270)
1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-	51434	Epinephrine	1*	4	P042	C	1000 (454)
Benzeneethanamine, alpha,alpha-dimethyl-	122098	alpha,alpha-Dimethylphenethylamine	1*	4	P046	D	5000 (2270)
Benzene, hexachloro-	118741	Hexachlorobenzene	1*	2,3,4	U127	A	10 (4.54)
Benzene, hexahydro-	110827	Cyclohexane	1000	1,4	U056	C	1000 (454)
Benzene, hydroxy-	108952	Phenol	1000	1,2,3,4	U188	C	1000 (454)
Benzene, methyl-	108883	Toluene	1000	1,2,3,4	U220	C	1000 (454)
Benzene, 2-methyl-1,3-dinitro-	606202	2,6-Dinitrotoluene	1000	1,2,4	U106	B	100 (45.4)
Benzene, 1-methyl-2,4-dinitro-	121142	2,4-Dinitrotoluene	1000	1,2,3,4	U105	A	10 (4.54)
Benzene, (1-methylethyl)-	98828	Cumene	1*	3,4	U055	D	5000 (2270)
Benzene, nitro-	98953	Nitrobenzene	1000	1,2,3,4	U169	C	1000 (454)
Benzene, pentachloro-	608935	Pentachlorobenzene	1*	4	U183	A	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Benzene, pentachloronitro-	82688	PCNB	1*	3,4	U185	B	100 (45.4)
		Pentachloronitrobenzene					
		Quintobenzene					
Benzenesulfonic acid chloride	98099	Benzenesulfonyl chloride	1*	4	U020	B	100 (45.4)
Benzenesulfonyl chloride	98099	Benzenesulfonic acid chloride	1*	4	U020	B	100 (45.4)
Benzene, 1,2,4,5-tetrachloro-	95943	1,2,4,5-Tetrachlorobenzene	1*	4	U207	D	5000 (2270)
Benzenethiol	108985	Thiophenol	1*	4	P014	B	100 (45.4)
Benzene, 1,1'-(2,2,2-tri-chloroethylidene)bis[4-chloro-	50293	DDT	1	1,2,4	U061	X	1 (0.454)
		4,4'DDT					
Benzene, 1,1'-(2,2,2-trichloroethylidene) bis[4-methoxy-	72435	Methoxychlor	1	1,3,4	U247	X	1 (0.454)
Benzene, (trichloromethyl)-	98077	Benzo[trichloride]	1*	3,4	U023	A	10 (4.54)
Benzene, 1,3,5-trinitro-	99354	1,3,5-Trinitrobenzene	1*	4	U234	A	10 (4.54)
Benzidine	92875	[1,1'-Biphenyl]-4,4'-diamine	1*	2,3,4	U021	X	1 (0.454)
1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide	81072	Saccharin and salts	1*	4	U202	B	100 (45.4)
Benzo[<i>a</i>]anthracene	56553	Benzo[<i>a</i>]anthracene	1*	2,4	U018	A	10 (4.54)
		1,2-Benzanthracene					
Benzo[<i>b</i>]fluoranthene	205992	.....	1*	2		X	1 (0.454)
Benzo[<i>k</i>]fluoranthene	207089	.....	1*	2		D	5000 (2270)
Benzo[<i>j,k</i>]fluorene	206440	Fluoranthene	1*	2,4	U120	B	100 (45.4)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, (Bendiocarb phenol)	22961826	.....	1*	4	U364		##
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate (Bendiocarb)	22781233	.....	1*	4	U276		##
1,3-Benzodioxole, 5-(1-propenyl)-	120581	Isosafrole	1*	4	U141	B	100 (45.4)
1,3-Benzodioxole,5-(2-propenyl)-	94597	Safrole	1*	4	U203	B	100 (45.4)
1,3-Benzodioxole, 5-propyl-	94586	Dihydrosafrole	1*	4	U090	A	10 (4.54)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl- (Carbofuran phenol)	1563388	.....	1*	4	U367		##
Benzoic acid	65850	.....	5000	1		D	5000 (2270)
Benzoic acid, 2-hydroxy-, compd. with (3 <i>aS</i> cis)-1,2,3,3 <i>a</i> ,8,8 <i>a</i> -hexahydro-1,3 <i>a</i> ,8-trimethylpyrrolo[2,3- <i>b</i>]indol-5-yl methylcarbamate ester (1:1) (Physostigmine salicylate).	57647	.....	1*	4	P186		##
Benzonitrile	100470	.....	1000	1		D	5000 (2270)
Benzo[<i>rst</i>]pentaphene	189559	Dibenzo[<i>a,i</i>]pyrene	1*	4	U064	A	10 (4.54)
Benzo[<i>ghi</i>]perylene	191242	.....	1*	2		D	5000 (2270)
2 <i>H</i> -1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%	81812	Warfarin, & salts, when present at concentrations greater than 0.3%.	1*	4	P001	B	100 (45.4)
Benzo[<i>a</i>]pyrene	50328	3,4-Benzopyrene	1*	2,4	U022	X	1 (0.454)
3,4-Benzopyrene	50328	Benzo[<i>a</i>]pyrene	1*	2,4	U022	X	1 (0.454)
<i>p</i> -Benzoquinone	106514	2,5-Cyclohexadiene-1,4-dione	1*	3,4	U197	A	10 (4.54)
		Quinone					
Benzo[trichloride]	98077	Benzene, (trichloromethyl)-	1*	3,4	U023	A	10 (4.54)
Benzoyl chloride	98884	1000	1		C	1000 (454)
1,2-Benzphenanthrene	218019	Chrysene	1*	2,4	U050	B	100 (45.4)

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Chemical Name	100447	Benzene, chloromethyl-	100	1,3,4	P028	B	100 (45.4)
Beryllium compounds	N.A.	Beryllium Compounds	1*	2,3			**
Beryllium compounds	N.A.	BERYLLIUM AND COMPOUNDS	1*	2,3			**
Beryllium chloride	7787475		5000	1		X	1 (0.454)
Beryllium fluoride	7787497		5000	1		X	1 (0.454)
Beryllium nitrate	13597994		5000	1		X	1 (0.454)
Beryllium powder††	7440417	Beryllium††	1*	2,3,4	F015	A	10 (4.54)
alpha-BHC	319846		1*	2		X	10 (4.54)
beta-BHC	319857		1*	2		X	1 (0.454)
delta-BHC	319866		1*	2		X	1 (0.454)
gamma-BHC	58899	Cyclohexane, 1,2,3,4,5,6 hexa chloro- (1 <i>tr</i> , 2 <i>tr</i> , 3 <i>ll</i> , 4 <i>u</i> , 5 <i>u</i> , 6 <i>ll</i>)*	1	1,2,3,4	U129	X	1 (0.454)
2,2'-Bioxirane	1464535	Hexachlorocyclohexane (gamma isomer)					
(1,1'-Biphenyl)-4,4'-diamine	92875	Lindane					
[1,1'-Biphenyl]-4,4'-diamine,3,3-dichloro-	91941	1,2,3,4-Diepoxybutane	1*	4	U085	A	10 (4.54)
[1,1'-Biphenyl]-4,4'-diamine,3,3-dimethoxy-	119904	Benzidine	1*	2,4	U021	X	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3-dimethyl-	119937	3,3'-Dichlorobenzidine	1*	2,4	U073	X	1 (0.454)
Biphenyl	92524	3,3'-Dimethoxybenzidine	1*	4	U091	B	100 (45.4)
Bis (2-chloroethyl) ether	111444	3,3'-Dimethylbenzidine	1*	4	U095	A	10 (4.54)
Bis(2-chloroethoxy) methane	111911	Dichloroethyl ether	1*	3		B	100 (45.4)
Bis (2-ethylhexyl)phthalate	117817	Ethane, 1,1'-oxybis(2-chloro-	1*	2,4	U025	A	10 (4.54)
Bromocetone*	596312	Dichloromethoxy ethane	1*	2,4	U024	C	1000 (454)
Bromoborn*	75252	Ethane, 1,1'-[methylenebis(oxy)]bis(2-chloro-	1*	2,4	U028	B	100 (45.4)
4-Bromophenyl phenyl ether	101553	Diethylhexyl phthalate	1*	2,4			
Brucine	357573	1,2-Benzenedicarboxylic acid, [bis(2-ethylhexyl)] ester	1*	2,4			
1,3-Butadiene, 1,1,2,3,4,4-hexachloro-	87683	2-Propanone, 1-bromo-	1*	4	P017	C	1000 (454)
1,3-Butadiene	106990	Methane, tribromo-	1*	2,4	U225	B	100 (45.4)
1-Butanamine, N-butyl-N-nitroso-	924163	Benzene, 1-bromo-4-phenoxy-	1*	2,4	U030	B	100 (45.4)
1-Butanol	71363	Strychnidin-10-one, 2,3-dimethoxy-	1*	4	P018	B	100 (45.4)
2-Butanone	78933	Hexachlorobutadiene	1*	2,4	U128	X	1 (0.454)
2-Butanone, 3,3-dimethyl-1-(methylthio)-, O[(methylamino)carbonyl]oxime.	1398234	N-Nitrosodi-n-butylamine	1*	3		A	10 (4.54)
2-Butenal	39196184	n-Butyl alcohol	1*	4	U172	A	10 (4.54)
2-Butene, 1,4-dichloro-	4170303	MEK	1*	3,4	U031	D	5000 (2270)
2-Butenoic acid, 2-methyl-, 7[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7-tetrahydro-1H-pyrolizin-1-yl ester, [1S-[1alpha(2),7(2S*,3H*),7alpha]]-	764410	Methyl ethyl ketone	1*	4	U160	A	10 (4.54)
Butyl acetate	303344	Methyl ethyl ketone peroxide	1*	4	P045	B	100 (45.4)
iso-Butyl acetate	122864	Thiofanox	100	1,4	U053	B	100 (45.4)
sec-Butyl acetate	110190	Cratonaldehyde	100	1,4			
	105464	1,4-Dichloro-2-butene	1*	4	U074	X	1 (0.454)
		Lasiocarpine	1*	4	U143	A	10 (4.54)
			5000	1		D	5000 (2270)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
tert-Butyl acetate	540885						
n-Butyl alcohol	71363	1-Butanol	1*	4	U031	D	5000 (2270)
Butylamine	109739		1000	1		C	1000 (454)
iso-Butylamine	78819						
sec-Butylamine	513495						
	13952846						
tert-Butylamine	75649						
Butyl benzyl phthalate	85687		1*	2		B	100 (45.4)
n-Butyl phthalate	84742	1,2-Benzenedicarboxylic acid, dibutyl ester Dibutyl phthalate Di-n-butyl phthalate	100	1,2,3,4	U069	A	10 (4.54)
Butyric acid	107926		5000	1		D	5000 (2270)
iso-Butyric acid	79312						
Cacodylic acid	75605	Arsinic acid, dimethyl-	1*	4	U136	X	1 (0.454)
Cadmium ††	7440439		1*	2		A	10 (4.54)
Cadmium acetate	543908		100	1		A	10 (4.54)
CADMIUM AND COMPOUNDS	N.A.	Cadmium Compounds	1*	2,3			**
Cadmium Compounds	N.A.	CADMIUM AND COMPOUNDS	1*	2,3			**
Cadmium bromide	7783426		100	1		A	10 (4.54)
Cadmium chloride	10108642		100	1		A	10 (4.54)
Calcium arsenate	7778441		1000	1		X	1 (0.454)
Calcium arsenite	52740166		1000	1		X	1 (0.454)
Calcium carbide	75207		5000	1		A	10 (4.54)
Calcium chromate	13765190	Chromic acid H ₂ CrO ₄ , calcium salt	1000	1,4	U032	A	10 (4.54)
Calcium cyanamide	156627		1*	3		C	1000 (454)
Calcium cyanide	592018	Calcium cyanide Ca(CN) ₂	10	1,4	P021	A	10 (4.54)
Calcium cyanide Ca(CN) ₂	592018	Calcium cyanide	10	1,4	P021	A	10 (4.54)
Calcium dodecylbenzenesulfonate	26264062		1000	1		C	1000 (454)
Calcium hypochlorite	7778543		100	1		A	10 (4.54)
Camphene, octachloro-	8001352	Chlorinated camphene Toxaphene	1	1,2,3,4	P123	X	1 (0.454)
Captan	133062		10	1,3		A	10 (4.54)
Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl, methyl ester (Benomyl)	17804352		1*	4	U271		##
Carbamic acid, 1H-benzimidazol-2-yl, methyl ester (Carbendazim)	10605217		1*	4	U372		##
Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester (Barban)	101279		1*	4	U280		##
Carbamic acid, [(dibutylamino)thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (Carbosulfan)	55285148		1*	4	P189		##
Carbamic acid, dimethyl-1-[(dimethylamino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester (Dimetilan)	644644		1*	4	P191		##

Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester (Isolan)	119380	.....	1*	4	P192		##
Carbamic acid, ethyl ester	51796	Ethyl carbamate	1*	3,4	U238	B	100 (45.4)
		Urethane					
Carbamic acid, methylnitroso-, ethyl ester	615532	N-Nitroso-N-methylurethane	1*	4	U178	X	1 (0.454)
Carbamic acid, methyl-, 3-methylphenyl ester (Metolcarb)	1129415	.....	1*	4	P190		##
Carbamic acid, [1,2- phenylenebis(iminocarbonothicyl)]bis-, dimethyl ester (Thiophanate-methyl)	23564058	.....	1*	4	U409		##
Carbamic acid, phenyl-, 1-methylethyl ester (Propham)	122429	.....	1*	4	U373		##
Carbamic chloride, dimethyl-	79447	Dimethylcarbamoyl chloride	1*	3,4	U097	X	1 (0.454)
Carbamodithioic acid, 1,2-ethanedylbis, salts & esters	111546	Ethylenebisdithiocarbamic acid, salts & esters ..	1*	4	U114	D	5000 (2270)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester	2303164	Diallate	1*	4	U062	B	100 (45.4)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester (Triallate)	2303175	.....	1*	4	U389		##
Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester (Prosulfocarb)	5288809	.....	1*	4	U387		##
Carbaryl	69252	.....	100	1,3		B	100 (45.4)
Carbofuran	1563662	.....	10	1		A	10 (4.54)
Carbon disulfide	75150	.....	5000	1,3,4	P022	B	100 (45.4)
Carbon oxyfluoride	353504	Carbonic difluoride	1*	4	U033	C	1000 (454)
Carbonic acid, dithallium(1+) salt	6533739	Thallium(I) carbonate	1*	4	U215	B	100 (45.4)
Carbonic dichloride	75445	Phosgene	5000	1,3,4	P095	A	10 (4.54)
Carbonic difluoride	353504	Carbon oxyfluoride	1*	4	U033	C	1000 (454)
Carbonochloridic acid, methyl ester	79221	Methyl chlorocarbonate	1*	4	U156	C	1000 (454)
		Methyl chloroformate					
Carbon tetrachloride	56235	Methane, tetrachloro-	5000	1,2,3,4	U211	A	10 (4.54)
Carbonyl sulfide	463581	.....	1*	3		B	100 (45.4)
Catechol	120809	.....	1*	3		B	100 (45.4)
Chloral	75876	Acetaldehyde, trichloro-	1*	4	U034	D	5000 (2270)
Chloramben	133904	.....	1*	3		B	100 (45.4)
Chlorambucil	305033	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	1*	4	U035	A	10 (4.54)
Chlordane	57749	Chlordane, alpha & gamma isomers	1	1,2,3,4	U036	X	1 (0.454)
		CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)					
		4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	1*	2			**
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)	N.A.	.....				
Chlordane, alpha & gamma isomers	57749	Chlordane	1	1,2,3,4	U036	X	1 (0.454)
		CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)					
		4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-					
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)	57749	Chlordane, alpha & gamma isomers	1	1,2,3,4	U036	X	1 (0.454)
		Chlordane, alpha & gamma isomers					
		4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-					
CHLORINATED BENZENES	N.A.	.....	1*	2			**
Chlorinated camphene	8001352	Camphene, octachloro	1	1,2,3,4	P123	X	1 (0.454)
		Toxaphene					

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
CHLORINATED ETHANES	N.A.	.....	1*	2			..
CHLORINATED NAPHTHALENE	N.A.	.....	1*	2			..
CHLORINATED PHENOLS	N.A.	.....	1*	2			..
Chlorine	7782505	.....	10	1,3		A	10 (4.54)
Chloronaphazine	494031	Naphthalenamine, N,N'-bis(2-chloroethyl)-	1*	4	U026	B	100 (45.4)
Chloroacetaldehyde	107200	Acetaldehyde, chloro-	1*	4	P023	C	1000 (454)
Chloroacetic acid	79118	.....	1*	3		B	100 (45.4)
2-Chloroacetophenone	532274	.....	1*	3		B	100 (45.4)
CHLOROALKYL ETHERS	N.A.	.....	1*	2			..
p-Chloroaniline	106478	Benzenamine, 4-chloro-	1*	4	P024	C	1000 (454)
Chlorobenzene	108907	Benzene, chloro-	100	1,2,3,4	U037	B	100 (45.4)
Chlorobenzilate	510156	Benzeneacetic acid, 4-chloro- α -(4-chlorophenyl)- ν -hydroxy-, ethyl ester.	1*	3,4	U038	A	10 (4.54)
4-Chloro-m-cresol	59507	p-Chloro-m-cresol	1*	2,4	U039	D	5000 (2270)
p-Chloro-m-cresol	59507	Phenol, 4-chloro-3-methyl-	1*	2,4	U039	D	5000 (2270)
Chloroethane	75003	Ethyl chloride	1*	2,3		B	100 (45.4)
Chlorodibromomethane	124481	.....	1*	2		B	100 (45.4)
1-Chloro-2,3-epoxypropane	106898	Epichlorohydrin	1000	1,3,4	U041	B	100 (45.4)
2-Chloroethyl vinyl ether	110758	Oxirane, (chloromethyl)-	1*	2,4	U042	C	1000 (454)
Chloroform	67663	Ethene, 2-chloroethoxy-	5000	1,2,3,4	U044	A	10 (4.54)
Chloromethane	74873	Methane, trichloro-	1*	2,3,4	U045	B	100 (45.4)
Chloromethyl methyl ether	107302	Methane, chloro-	1*	3,4	U046	A	10 (4.54)
beta-Chloronaphthalene	91587	Methyl chloride	1*	2,4	U047	D	5000 (2270)
2-Chloronaphthalene	91587	Methane, chloromethoxy-	1*	2,4	U047	D	5000 (2270)
2-Chlorophenol	95578	Naphthalene, 2-chloro-	1*	2,4	U048	B	100 (45.4)
o-Chlorophenol	95578	2-Chloronaphthalene	1*	2,4	U048	B	100 (45.4)
4-Chlorophenyl phenyl ether	7005723	Naphthalene, 2-chloro-	1*	2		D	5000 (2270)
1-(o-Chlorophenyl)thiourea	5344821	o-Chlorophenol	1*	4	P026	B	100 (45.4)
Chloroprene	126998	Phenol, 2-chloro-	1*	3		B	100 (45.4)
3-Chloropropionitrile	542767	Phenol, 2-chloro-	1*	4	P027	C	1000 (454)
Chlorosulfonic acid	7790945	2-Chlorophenol	1000	1		C	1000 (454)
4-Chloro-o-toluidine, hydrochloride	3165933	Propanenitrile, 3-chloro-	1*	4	U049	B	100 (45.4)
		Benzenamine, 4-chloro-2-methyl-, hydrochloride.	1*	4	U049	B	100 (45.4)

Chlorpyrifos	2921882	.....	1	1		X	1 (0.454)
Chromic acetate	1066304	.....	1000	1		C	1000 (454)
Chromic acid	11115745	.....	1000	1		A	10 (4.54)
	7738945						
Chromic acid H ₂ CrO ₄ , calcium salt	13765190	Calcium chromate	1000	1,4	U032	A	10 (4.54)
Chromic sulfate	10101538	.....	1000	1		C	1000 (454)
Chromium (II)	7440473	.....	1*	2		D	5000 (2270)
CHROMIUM AND COMPOUNDS	N.A.	Chromium Compounds	1*	2,3			..
Chromium Compounds	N.A.	CHROMIUM AND COMPOUNDS	1*	2,3			..
Chromous chloride	10049055	.....	1000	1		C	1000 (454)
Chrysene	218019	1,2-Benzphenanthrene	1*	2,4	U050	B	100 (45.4)
Cobalt compounds	N.A.	.....	1*	3			..
Cobaltous bromide	7789437	.....	1000	1		C	1000 (454)
Cobaltous formate	544183	.....	1000	1		C	1000 (454)
Cobaltous sulfamate	14017415	.....	1000	1		C	1000 (454)
Coke Oven Emissions	N.A.	.....	1*	3		X	1 (0.454)
Copper (II)	7440508	.....	1*	2		D	5000 (2270)
COPPER AND COMPOUNDS	N.A.	.....	1*	2			..
Copper cyanide	544923	Copper cyanide CuCN	1*	4	P029	A	10 (4.54)
Copper cyanide CuCN	544923	Copper cyanide	1*	4	P029	A	10 (4.54)
Coumaphos	56724	.....	10	1		A	10 (4.54)
Creosote	8001589	.....	1*	4	U051	X	1 (0.454)
Creosols (isomers and mixture)	1319773	Creosylic acid (isomers and mixture)	1000	1,3,4	U052	B	100 (45.4)
		Phenol, methyl					
m-Cresol	106394	m-Cresylic acid	1*	3		B	100 (45.4)
o-Cresol	95487	o-Cresylic acid	1*	3		B	100 (45.4)
p-Cresol	106445	p-Cresylic acid	1*	3		B	100 (45.4)
Creosylic acid (isomers and mixture)	1319773	Creosols (isomers and mixture)	1000	1,3,4	U052	B	100 (45.4)
		Phenol, methyl					
m-Cresylic acid	106394	m-Cresol	1*	3		B	100 (45.4)
o-Cresylic acid	95487	o-Cresol	1*	3		B	100 (45.4)
p-Cresylic acid	106445	p-Cresol	1*	3		B	100 (45.4)
Crtonaldehyde	123739	2-Butenal	100	1,4	U053	B	100 (45.4)
	4170303						
Cumene	98828	Benzene, (1-methylethyl)-	1*	3,4	U055	D	5000 (2270)
Cupric acetate	142712	.....	100	1		B	100 (45.4)
Cupric acetoarsenite	12002038	.....	100	1		X	1 (0.454)
Cupric chloride	7447394	.....	10	1		A	10 (4.54)
Cupric nitrate	3251238	.....	100	1		B	100 (45.4)
Cupric oxalate	5893663	.....	100	1		B	100 (45.4)
Cupric sulfate	7758997	.....	10	1		A	10 (4.54)
Cupric sulfate, ammoniated	10380297	.....	100	1		B	100 (45.4)
Cupric tartrate	815827	.....	100	1		B	100 (45.4)
Cyanide Compounds	N.A.	CYANIDES	1*	2,3			..
CYANIDES	N.A.	Cyanide Compounds	1*	2,3			..
Cyanides (soluble salts and complexes) not otherwise specified	57125	.....	1*	4	P030	A	10 (4.54)
Cyanogen	460195	Ethanedinitrile	1*	4	P031	B	100 (45.4)
Cyanogen bromide	506683	Cyanogen bromide (CN)Br	1*	4	U246	C	1000 (454)
Cyanogen bromide (CN)Br	506683	Cyanogen bromide	1*	4	U246	C	1000 (454)
Cyanogen chloride	506774	Cyanogen chloride (CN)Cl	10	1,4	P033	A	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Cyanogen chloride (CN)Cl	506774	Cyanogen chloride	10	1,4	P033	A	10 (4.54)
2,5-Cyclohexadiene-1,4-dione	106514	p-Benzoquinone	1*	3,4	U197	A	10 (4.54)
Cyclohexane	110827	Quinone	1000	1,4	U056	C	1000 (454)
Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1 α ,2 α ,3 β ,4 α ,5 α ,6 β)-	58899	Benzene, hexahydro-	1	1,2,3,4	U129	X	1 (0.454)
		γ -BHC					
		Hexachlorocyclohexane (gamma isomer)					
		Lindane					
		Lindane (all isomers)					
Cyclohexanone	108941		1*	4	U057	D	5000 (2270)
2-Cyclohexyl-4,6-dinitrophenol	131895	Phenol, 2-cyclohexyl-4,6-dinitro-	1*	4	P034	B	100 (45.4)
1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	77474	Hexachlorocyclopentadiene	1	1,2,3,4	U130	A	10 (4.54)
Cyclophosphamide	50180	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-,2-oxide	1*	4	U058	A	10 (4.54)
2,4-D Acid	94757	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters.	100	1,3,4	U240	B	100 (45.4)
2,4-D Ester	94111	2,4-D, salts and esters	100	1		B	100 (45.4)
	94791						
	94804						
	1320189						
	1928387						
	1928616						
	1929733						
	2971382						
	25168267						
	53467111						
2,4-D salts and esters	94757	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters.	100	1,3,4	U240	B	100 (45.4)
Daunomycin	20830813	2,4-D Acid	1*	4	U059	A	10 (4.54)
		5,12-Naphthacenedione, 8-acetyl-10-[3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-					
DDD	72548	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-	1	1,2,4	U060	X	1 (0.454)
		TDE					
		4,4' DDD					
4,4' DDD	72548	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-	1	1,2,4	U060	X	1 (0.454)
		DDD					
		TDE					

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DDE	72559	4,4'-DDE	1*	2,3		X	1 (0.454)
4,4'-DDE	72559	DDE	1*	2,3		X	1 (0.454)
DDE ^b	3547044		1*	3		D	5000 (2270)
DDT	50293	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-4,4'-DDT	1	1,2,4	U061	X	1 (0.454)
4,4'-DDT	50293	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-4,4'-DDT	1	1,2,4	U061	X	1 (0.454)
DDT AND METABOLITES	N.A.		1*	2			**
DEHP	117817	1,2-Benzenedicarboxylic acid, bis(2-ethyl-hexyl) ester.	1*	2,3,4	U028	B	100 (45.4)
		Bis(2-ethylhexyl)phthalate					
		Diethylhexyl phthalate					
Diallate	2303164	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester.	1*	4	U062	B	100 (45.4)
Diazinon	333415		1	1		X	1 (0.454)
Diazomethane	334883		1*	3		B	100 (45.4)
Dibenz[a,h]anthracene	53703	Dibenzo[a,h]anthracene	1*	2,4	U063	X	1 (0.454)
		1,2:5,6-Dibenzanthracene					
1,2:5,6-Dibenzanthracene	53703	Dibenz[a,h]anthracene	1*	2,4	U063	X	1 (0.454)
		Dibenzo[a,h]anthracene					
Dibenzo[a,h]anthracene	53703	Dibenz[a,h]anthracene	1*	2,4	U063	X	1 (0.454)
		2:5,6-Dibenzanthracene					
Dibenz[a,i]pyrene	189559	Benzo[rs]pentaphene	1*	4	U064	A	10 (4.54)
Dibenzofuran	132649		1*	3		B	100 (45.4)
1,2-Dibromo-3-chloropropane	96128	Propane, 1,2-dibromo-3-chloro-	1*	3,4	U066	X	1 (0.454)
Dibromoethane	106934	Ethane, 1,2-dibromo-	1000	1,3,4	U067	X	1 (0.454)
		Ethylene dibromide					
Dibutyl phthalate	84742	1,2-Benzenedicarboxylic acid, dibutyl ester	100	1,2,3,4	U069	A	10 (4.54)
		n-Butyl phthalate					
Di-n-butyl phthalate	84742	Di-n-butyl phthalate	100	1,2,3,4	U069	A	10 (4.54)
		1,2-Benzenedicarboxylic acid, dibutyl ester					
		n-Butyl phthalate					
		Dibutyl phthalate					
Dicamba	1918009		1000	1		C	1000 (454)
Dichlobenil	1194656		1000	1		B	100 (45.4)
Dichlone	117806		1	1		X	1 (0.454)
Dichlorobenzene	25321226		100	1		B	100 (45.4)
1,2-Dichlorobenzene	95501	Benzene, 1,2-dichloro- o-Dichlorobenzene	100	1,2,4	U070	B	100 (45.4)
1,3-Dichlorobenzene	541731	Benzene, 1,3-dichloro- m-Dichlorobenzene	1*	2,4	U071	B	100 (45.4)
1,4-Dichlorobenzene	106467	Benzene, 1,4-dichloro- p-Dichlorobenzene	100	1,2,3,4	U072	B	100 (45.4)
m-Dichlorobenzene	541731	Benzene, 1,3-dichloro 1,3-Dichlorobenzene	1*	2,4	U071	B	100 (45.4)
o-Dichlorobenzene	95501	Benzene, 1,2-dichloro 1,2-Dichlorobenzene	100	1,2,4	U070	B	100 (45.4)
p-Dichlorobenzene	106467	Benzene, 1,4-dichloro 1,4-Dichlorobenzene	100	1,2,3,4	U072	B	100 (45.4)
DICHLOROBENZIDINE	N.A.		1*	2			**
3,3'-Dichlorobenzidine	91941	{1,1'-Biphenyl}-4,4'-diamine,3,3'-dichloro-	1*	2,3,4	U073	X	1 (0.454)
Dichlorobromomethane	75274		1*	2		D	5000 (2270)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code I	RCRA waste Number	Cat-egory	Pounds (Kg)
1,4-Dichloro-2-butene	764410	2-Butene, 1,4-dichloro	1*	4	U074	X	1 (0.454)
Dichlorodifluoromethane	75718	Methane, dichlorodifluoro-	1*	4	U075	D	5000 (2270)
1,1-Dichloroethane	75343	Ethane, 1,1-dichloro-	1*	2,3,4	U076	C	1000 (454)
		Ethylidene dichloride					
1,2-Dichloroethane	107062	Ethane, 1,2-dichloro-	5000	1,2,3,4	U077	B	100 (45.4)
		Ethylene dichloride					
1,1-Dichloroethylene	75354	Ethene, 1,1-dichloro-	5000	1,2,3,4	U078	B	100 (45.4)
		Vinylidene chloride					
1,2-Dichloroethylene	156605	Ethene, 1,2-dichloro- (E)	1*	2,4	U079	C	1000 (454)
Dichloroethyl ether	111444	Bis(2-chloroethyl) ether	1*	2,3,4	U025	A	10 (4.54)
		Ethane, 1,1'-oxybis[2-chloro-					
Dichloroisopropyl ether	108601	Propane, 2,2'-oxybis[2-chloro-	1*	2,4	U027	C	1000 (454)
Dichloromethane	75092	Methane, dichloro-	1*	2,3,4	U080	C	1000 (454)
		Methylene chloride					
Dichloromethoxy ethane	111911	Bis(2-chloroethoxy) methane	1*	2,4	U024	C	1000 (454)
		Ethane, 1,1'-(methylenebis(oxy))bis(2-chloro-					
Dichloromethyl ether	542881	Bis(chloromethyl) ether	1*	3,4	P016	A	10 (4.54)
		Methane, oxybis(chloro-					
2,4-Dichlorophenol	120832	Phenol, 2,4-dichloro-	1*	2,4	U081	B	100 (45.4)
2,6-Dichlorophenol	87650	Phenol, 2,6-dichloro-	1*	4	U082	B	100(45.4)
Dichlorophenylarsine	696286	Arsonous dichloride, phenyl-	1*	4	P036	X	1 (0.454)
Dichloropropane	26638197		5000	1		C	1000 (454)
1,1-Dichloropropane	78999						
1,3-Dichloropropane	142289						
1,2-Dichloropropane	78875	Propane, 1,2-dichloro-	5000	1,2,3,4,	U083	C	1000 (454)
		Propylene dichloride					
Dichloropropane—Dichloropropene (mixture)	8003198		5000	1		B	100 (45.4)
Dichloropropene	26952238		5000	1		B	100 (45.4)
2,3-Dichloropropene	78886						
1,3-Dichloropropene	542756	1-Propene, 1,3-dichloro-	5000	1,2,3,4	U084	B	100 (45.4)
2,2-Dichloropropionic acid	75990		5000	1		D	5000 (2270)
Dichlorvos	62737		10	1,3		A	10 (4.54)
Dicofol	115322		5000	1		A	10 (4.54)
Dieldrin	60571	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a- octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta, 6aalpha,7beta,7aalpha)-	1	1,2,4	P037	X	1 (0.454)
1,2:3,4-Diepoxybutane	1464535	2,2'-Bioxirane	1*	4	U085	A	10 (4.54)
Diethanolamine	111422		1*	3		B	100 (45.4)
Diethylamine	109897		1000	1		B	100 (454.4)

N,N-Diethylamine	91667	Arsine, diethyl	1*	3					1000 (454)
Diethylarsine	692422	1,4-Dioxane	1*	4	F036				1 (0.454)
1,4-Diethylenedioxi	123911	1,4-Diethylenedioxi	1*	3,4	U108				100 (45.4)
1,4-Diethylenedioxi	123911	1,4-Dioxane	1*	3,4	U108				100 (45.4)
Diethylhexyl phthalate	117817	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	1*	2,3,4	U028				100 (45.4)
N,N'-Diethylhydrazine	1615801	Bis(2-ethylhexyl)phthalate DEHP	1*	4	U086				10 (4.54)
O,O-Diethyl S-methyl dithiophosphate	3286582	Hydrazine, 1,2-diethyl-	1*	4	U087				5000 (2270)
Diethyl p-nitrophenyl phosphate	311455	Phosphoric acid, diethyl 4-nitrophenyl ester	1*	4	P041				100 (45.4)
Diethyl phthalate	64662	1,2-Benzenedicarboxylic acid, diethyl ester	1*	2,4	U088				1000 (454)
O,O-Diethyl O-pyrazinyl phosphorothioate	297972	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	1*	4	P040				100 (45.4)
Diethylstilbestrol	56531	Phenol, 4,4'-[(1,2-diethyl-1,2-ethenediyl)bis-, (E)]	1*	4	U089				1 (0.454)
Diethyl sulfate	64675	1,3-Benzodioxole, 5-propyl-	1*	3	A				10 (4.54)
Dihydrostilrole	94596	1,3-Benzodioxole, 5-propyl-	1*	4	U090				10 (4.54)
Diisopropyl fluorophosphate	55814	Phosphorofluoric acid, bis(1-methylethyl) ester	1*	4	P043				100 (45.4)
1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8a-hexahydro-, (1 α), (4 α), (1 β), (4 β), (5 α), (8 α), (1 β), (4 β), (5 α), (8 α)	309002	Aldrin	1	1,2,4	P004				1 (0.454)
Babeta)-1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8a-hexahydro-, (1 α), (4 α), (1 β), (4 β), (5 α), (8 α)	465736	Isodrin	1*	4	P060				1 (0.454)
Babeta)-2,7,3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1 α), (2 α), (3 β), (6 α), (7 α), (2 α), (3 β), (6 α), (7 α)	60571	Diidrin	1	1,2,4	P037				1 (0.454)
6a α), (7 β), (7 α), (2 α), (3 β), (6 α), (7 α)	72208	Endrin	1	1,2,4	P051				1 (0.454)
3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1 α), (2 α), (3 β), (6 α), (7 α)	60515	Phosphorothioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester	1*	4	P044				10 (4.54)
6a β), (7 β), (7 α)	119904	[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy-	1*	3,4	U091				100 (45.4)
3,3'-Dimethoxybenzidine	124403	Methanamine, N-methyl-	1000	1,4	U092				1000 (454)
Dimethylamine	60117	Benzenamine, N,N-dimethyl-4-(phenylazo)-	1*	3,4	U093				10 (4.54)
Dimethyl aminoazobenzene	60117	Benzenamine, N,N-dimethyl-4-(phenylazo)-	1*	3,4	U093				10 (4.54)
p-Dimethylaminoazobenzene	60117	Dimethyl aminoazobenzene	1*	3,4	U093				10 (4.54)
N,N-Dimethylacilene	121697	Benz[<i>a</i>]anthracene, 7,12-dimethyl-	1*	3					100 (45.4)
7,12-Dimethylbenz[<i>a</i>]anthracene	57976	[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethyl-	1*	3,4	U094				1 (0.454)
3,3'-DimethylBenzidine	119937	Hydroperoxide, 1-methyl-1-phenylethyl-	1*	4	U095				10 (4.54)
alpha, alpha-Dimethylbenzylhydroperoxide	80159	Carbamic chloride, dimethyl-	1*	4	U096				10 (4.54)
Dimethylcarbamoyl chloride	79447	Hydrazine, 1,1-dimethyl-	1*	3,4	U097				1 (0.454)
Dimethylformamide	68122	Hydrazine, 1,1-dimethyl-	1*	3					100 (45.4)
1,1-Dimethylhydrazine	57147	Hydrazine, 1,2-dimethyl-	1*	3,4	U098				10 (4.54)
1,2-Dimethylhydrazine	540738	Benzenethanamine, alpha, alpha-dimethyl-	1*	4	U099				1 (0.454)
alpha, alpha-Dimethylphenethylamine	122098	Phenol, 2,4-dimethyl-	1*	4	P046				5000 (2270)
2,4-Dimethylphenol	105679		1*	2,4	U101				100 (45.4)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Category	Pounds (Kg)
Dimethyl phthalate	131113	1,2-Benzenedicarboxylic acid, dimethyl ester	1*	2,3,4	U102	D	5000 (2270)
Dimethyl sulfate	77781	Sulfuric acid, dimethyl ester	1*	3,4	U103	B	100 (45.4)
Dinitrobenzene (mixed)	25154545		1000	1		B	100 (45.4)
m-Dinitrobenzene	99650						
o-Dinitrobenzene	528290						
p-Dinitrobenzene	100254						
4,6-Dinitro-o-cresol, and salts	534521	Phenol, 2-methyl-4,6-dinitro-, & salts	1*	2,3,4	P047	A	10 (4.54)
Dinitrophenol	25550587		1000	1		A	10 (4.54)
2,5-Dinitrophenol	329715						
2,6-Dinitrophenol	573568						
2,4-Dinitrophenol	51285	Phenol, 2,4-dinitro-	1000	1,2,3,4	P048	A	10 (4.54)
Dinitrotoluene	25321146		1000	1,2		A	10 (4.54)
3,4-Dinitrotoluene	610399						
2,4-Dinitrotoluene	121142	Benzene, 1-methyl-2,4-dinitro-	1000	1,2,3,4	U105	A	10 (4.54)
2,6-Dinitrotoluene	606202	Benzene, 2-methyl-1,3-dinitro-	1000	1,2,4	U106	B	100 (45.4)
Dinoseb	88957	Phenol, 2-(1-methylpropyl)-4,6-dinitro	1*	4	P020	C	1000 (454)
Di-n-octyl phthalate	117840	1,2-Benzenedicarboxylic acid, dioctyl ester	1*	2,4	U107	D	5000 (2270)
1,4-Dioxane	123911	1,4-Diethyleneoxide	1*	3,4	U108	B	100 (45.4)
		1,4-Diethylenedioxide	1*	2			**
DIPHENYLHYDRAZINE	N.A.		1*	2			
1,2-Diphenylhydrazine	122667	Hydrazine, 1,2-diphenyl-	1*	2,3,4	U109	A	10(4.54)
Diphosphoramidate, octamethyl-	152169	Octamethylpyrophosphoramidate	1*	4	P085	B	100 (45.4)
Diphosphoric acid, tetraethyl ester	107493	Tetraethyl pyrophosphate	100	1,4	P111	A	10 (4.54)
Dipropylamine	142847	1-Propanamine, N-propyl-	1*	4	U110	D	5000 (2270)
Di-n-propylnitrosamine	621647	1-Propanamine, N-nitroso-N-propyl-	1*	2,4	U111	A	10 (4.54)
Diquat	85007		1000	1		C	1000 (454)
	2764729						
Disulfoton	298044	Phosphorodithioic acid, o,o-diethyl S-[2-(ethylthio)ethyl]ester.	1	1,4	P039	X	1 (0.454)
Dithiobiuret	541537	Thioimido-dicarbonyl diamide [(HG2KN)C(S)]2NH	1*	4	P049	B	100 (45.4)
1,3-Dithiolane-2-carboxaldehyde, (methylamino)carbonyloxime (Tirpate), 2,4-dimethyl-, O-	26419738		1*	4	P185		##
Diuron	330541		100	1		B	100 (45.4)
Dodecylbenzenesulfonic acid	27176870		1000	1		C	1000 (454)
Endosulfan	115297	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide.	1	1,2,4	P050	X	1 (0.454)

alpha - Endosulfan	958988	.....	1*	2		X	1 (0.454)
beta - Endosulfan	33213659	.....	1*	2		X	1 (0.454)
ENDOSULFAN AND METABOLITES	N.A.	.....	1*	2		X	**
Endosulfan sulfate	1031078	.....	1*	2		X	1 (0.454)
Endosulfan	145733	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid.	1*	4	P088	C	1000 (454)
Endrin	72208	Endrin, & metabolites	1	1,2,4	P051	X	1 (0.454)
		2,7,3,6-Dimethanonaphth[2,3-b]oxirine,					
		3,4,5,6,9,9-hexachloro-1a,2,2a,3,					
		6,6a,7,7a-octa-hydro-, (1aalpha,					
		2beta,2abeta,3alpha,6alpha,					
		6abeta,7beta, 7aalpha).					
Endrin aldehyde	7421934	.....	1*	2		X	1 (0.454)
ENDRIN AND METABOLITES	N.A.	.....	1*	2		X	**
Endrin, & metabolites	72208	Endrin	1	1,2,4	P051	X	1 (0.454)
		2,7,3,6-Dimethanonaphth[2,3-b]oxirine,					
		3,4,5,6,9,9-hexachloro-1a,2,2a,3,					
		6,6a,7,7a-octa-hydro-, (1aalpha,					
		2beta,2abeta,3alpha,6alpha,					
		6abeta,7beta, 7aalpha).					
Epichlorohydrin	106998	1-Chloro-2,3-epoxypropane	1000	1,3,4	U041	B	100(45.4)
Epinephrine	51434	Oxirane, (chloromethyl)-	1*	4	P042	C	1000 (454)
		1,2-Benzenediol,4-[1-hydroxy-2-					
		(methylamino)ethyl]-.					
1,2-Epoxybutane	106887	Acetaldehyde	1*	3		B	100 (45.4)
Ethanal	75070	N-Nitrosodimethylamine	1000	1,3,4	U001	C	1000(454)
Ethanolamine, N-ethyl-N-nitroso-	55185	Methapyrene	1*	4	U174	X	1 (0.454)
1,2-Ethanediamine, N,N-dimethyl-N-(2-thienylmethyl)-	91805	Dibromoethane	1*	4	U155	D	5000 (2270)
Ethane, 1,2-dibromo	106934	Ethylene dibromide	1000	1,3,4	U067	X	1(0.454)
Ethane, 1,1-dichloro	75343	1,1-Dichloroethane	1*	2,3,4	U076	C	1000(454)
Ethane, 1,2-dichloro	107062	Ethylene dichloride	5000	1,2,3,4	U077	B	100(45.4)
		1,2-Dichloroethane					
		Ethylene dichloride					
Ethanedinitrile	460195	Cyanogen	1*	4	P031	B	100 (45.4)
Ethane, hexachloro-	67721	Hexachloroethane	1*	2,3,4	U131	B	100(45.4)
Ethane, 1,1'-[methylenebis(oxy)]bis(2-chloro-	111911	Bis(2-chloroethoxy) methane	1*	2,4	U024	C	1000 (454)
Ethane, 1,1'-oxybis-	60297	Dichloromethoxy ethane	1*	4	U117	B	100 (45.4)
Ethane, 1,1'-oxybis[2-chloro-	111444	Bis(2-chloroethyl) ether	1*	2,3,4	U025	A	10(4.54)
		Dichloroethyl ether					
Ethane, pentachloro-	75017	Pentachloroethane	1*	4	U184	A	10 (4.54)
Ethane, 1,1,1,2-tetrachloro-	630206	1,1,1,2-Tetrachloroethane	1*	4	U208	B	100 (45.4)
Ethane, 1,1,2,2-tetrachloro-	79345	1,1,2,2-Tetra-chloroethane	1*	2,3,4	U209	B	100(45.4)
Ethanediamide	62555	Thioacetamide	1*	4	U218	A	10 (4.54)
Ethane, 1,1,1-trichloro-	71556	Methyl chloroform	1*	2,3,4	U226	C	1000(454)
		1,1,1-Trichloroethane					
Ethane, 1,1,2-trichloro-	79005	1,1,2-Trichloroethane	1*	2,3,4	U227	B	100(45.4)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Ethanimidothioic acid, 2-(dimethylamino-N-hydroxy-2-oxo-, methyl ester (A2213).	30558431	.....	1*	4	U394		##
Ethanimidothioic acid, 2-(dimethylamino)-N-[[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester (Oxamyl).	23135220	.....	1*	4	P194		##
Ethanimidothioic acid, N-[[[(methyl- amino)carbonyl]oxy]-, methyl ester	16752775	Methomyl	1*	4	P066	B	100 (45.4)
Ethanimidothioic acid, N,N'- [thiobis((methylimino)carbonyloxy)]bis-, dimethyl ester (Thiodicarb).	59669260	.....	1*	4	U410		##
Ethanol, 2-ethoxy-	110805	Ethylene glycol monoethyl ether	1*	4	U359	C	1000 (454)
Ethanol, 2,2'-(nitrosoimino)bis-	1116547	N-Nitrosodiethanolamine	1*	4	U173	X	1 (0.454)
Ethanol, 2,2'-oxybis-, dicarbamate (Diethylene glycol, dicarbamate)	5952261	.....	1*	4	U395		##
Etharone, 1-phenyl-	98862	Acetophenone	1*	3,4	U004	D	5000(2270)
Ethene, chloro-	75014	Vinyl chloride	1*	2,3,4	U043	X	1 (0.454)
Ethene, 2-chloroethoxy-	110758	2-Chloroethyl vinyl ether	1*	2,4	U042	C	1000 (454)
Ethene, 1,1-dichloro-	75354	1,1-Dichloroethylene	5000	1,2,3,4	U078	B	100(45.4)
		Vinylidene chloride					
Ethene, 1,2-dichloro- (E)	156605	1,2-Dichloroethylene	1*	2,4	U079	C	1000 (454)
Ethene, tetrachloro-	127184	Perchloroethylene	1*	2,3,4	U210	B	100(45.4)
		Tetrachloroethene					
		Tetrachloroethylene					
Ethene, trichloro-	79016	Trichloroethene	1000	1,2,3,4	U228	B	100(45.4)
		Trichloroethylene					
Ethion	563122	.....	10	1		A	10 (4.54)
Ethyl acetate	141786	Acetic acid, ethyl ester	1*	4	U112	D	5000 (2270)
Ethyl acrylate	140885	2-Propenoic acid, ethyl ester	1*	3,4	U113	C	1000(454)
Ethylbenzene	100414	.....	1000	1,2,3		C	1000(454)
Ethyl carbamate	51796	Carbamic acid, ethyl ester	1*	3,4	U238	B	100(45.4)
		Urethane					
Ethyl chloride	75003	Chloroethane	1*	2,3		B	100(45.4)
Ethyl cyanide	107120	Propanenitrile	1*	4	P101	A	10 (4.54)
Ethylenebisdithiocarbamic acid, salts & esters	111546	Carbamodithioic acid, 1,2-ethanediy]bis, salts & esters.	1*	4	U114	D	5000 (2270)
						
Ethylenediamine	107153	.....	1000	1		D	5000 (2270)
Ethylenediamine-tetraacetic acid (EDTA)	60004	.....	5000	1		D	5000 (2270)
Ethylene dibromide	106934	Dibromoethane	1000	1,3,4	U067	X	1(0.454)
		Ethane, 1,2-dibromo-					
		1,2-Dichloroethane					
Ethylene dichloride	107062	Ethane, 1,2-dichloro-	5000	1,2,3,4	U077	B	100(45.4)
						
Ethylene glycol	107211	.....	1*	3		D	5000 (2270)
Ethylene glycol monoethyl ether	110805	Ethanol, 2-ethoxy-	1*	4	U359	C	1000 (454)
Ethyleneimine	151564	Azirdine	1*	3,4	P054	X	1(0.454)
Ethylene oxide	75218	Oxirane	1*	3,4	U115	A	10(4.54)

Ethylenethiourea	96457	2-Imidazolidinethione	1*	3,4	U116	A	10(4.54)
Ethyl ether	60297	Ethane, 1,1'-oxybis-	1*	4	U117	B	100 (45.4)
Ethylidene dichloride	75343	1,1-Dichloroethane	*	2,3,4	U076	C	1000 (454)
		Ethane, 1,1-dichloro-					
Ethyl methacrylate	97632	2-Propenoic acid, 2-methyl-, ethyl ester	1*	4	U118	C	1000 (454)
Ethyl methanesulfonate	62500	Methanesulfonic acid, ethyl ester	1*	4	U119	X	1 (0.454)
Famphur	52857	Phosphorothioic acid, O,[4-[(di-methylamino)sulfonyl] phenyl] O,O-dimethyl ester.	1*	4	P097	C	1000 (454)
Ferric ammonium citrate	1185575		1000	1		C	1000 (454)
Ferric ammonium oxalate	2944674		1000	1		C	1000 (454)
	55488874						
Ferric chloride	7705080		1000	1		C	1000 (454)
Ferric fluoride	7783508		100	1		B	100 (45.4)
Ferric nitrate	10421484		1000	1		C	1000 (454)
Ferric sulfate	10028225		1000	1		C	1000 (454)
Ferrous ammonium sulfate	10045893		1000	1		C	1000 (454)
Ferrous chloride	7758943		100	1		B	100 (45.4)
Ferrous sulfate	7720787		1000	1		C	1000 (454)
	7782630						
Fine mineral fibers ^a	N.A.		1*	3			**
Fluoranthene	206440	Benzo[<i>a</i>], <i>k</i>]fluorene	1*	2,4	U120	B	100 (45.4)
Fluorene	86737		1*	2		D	5000 (2270)
Fluorine	7782414		1*	4	P056	A	10 (4.54)
Fluoroacetamide	640197	Acetamide, 2-fluoro-	1*	4	P057	B	100 (45.4)
Fluoroacetic acid, sodium salt	62748	Acetic acid, fluoro-, sodium salt	1*	4	P058	A	10 (4.54)
Formaldehyde	50000		1000	1,3,4	U122	B	100 (45.4)
Formic acid	64186		5000	1,4	U123	D	5000 (2270)
Fulminic acid, mercury(2+) salt	628864	Mercury fulminate	1*	4	P065	A	10 (4.54)
Fumaric acid	110178		5000	1		D	5000 (2270)
Furan	110009	Furfuran	1*	4	U124	B	100 (45.4)
Furan, tetrahydro-	109999	Tetrahydrofuran	1*	4	U213	C	1000 (454)
2-Furancarboxaldehyde	98011	Furfural	1000	1,4	U125	D	5000 (2270)
2,5-Furandione	108316	Maleic anhydride	5000	1,3,4	U147	D	5000 (2270)
Furfural	98011	2-Furancarboxaldehyde	1000	1,4	U125	D	5000 (2270)
Furfuran	110009	Furan	1*	4	U124	B	100 (45.4)
Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-	18883664	D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)-carbonylamino] Streptozotocin.	1*	4	U206	X	1 (0.454)
D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)-carbonylamino]-	18883664	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)- Streptozotocin	1*	4	U206	X	1 (0.454)
Glycidylaldehyde	765344	Oxiranecarboxyaldehyde	1*	4	U126	A	10 (4.54)
Glycol ethers ^d	N.A.		1*	3			**
Guanidine, N-methyl-N'-nitro-N-nitroso-	70257	MNNG	1*	4	U163	A	10 (4.54)
Guthion	86500		1	1		X	1 (0.454)
HALOETHERS	N.A.		1*	2			**
HALOMETHANES	N.A.		1*	2			**
Heptachlor	76448	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-	1	1,2,3,4	P059	X	1, (0.454)
HEPTACHLOR AND METABOLITES	N.A.		1*	2			**
Heptachlor epoxide	1024573		1*	2		X	1 (0.454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued
 [Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Hexachlorobenzene	118741	Benzene, hexachloro-	1*	2,3,4	U127	A	10 (4.54)
Hexachlorobutadiene	87683	1,3-Butadiene 1,1,2,3,4,4-hexachloro-	1*	2,3,4	U128	X	1 (0.454)
HEXACHLOROCYCLOHEXANE (all isomers)	608731		1*	2			..
Hexachlorocyclohexane (gamma isomer)	58899	γ-BHC Cyclohexane, 1,2,3,4,5,6-hexachloro- (1α,2α,3β,4α,5α,6β)- Lindane Lindane (all isomers)	1	1,2,3,4	U129	X	1 (0.454)
Hexachlorocyclopentadiene	77474	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	1	1,2,3,4	U130	A	10 (4.54)
Hexachloroethane	67721	Ethane, hexachloro-	1*	2,3,4	U131	B	100 (45.4)
Hexachlorophene	70304	Phenol, 2,2'-methylenebis[3,4,6-trichloro-	1*	4	U132	B	100 (45.4)
Hexachloropropene	1888717	1-Propene, 1,1,2,3,3,3-hexachloro-	1*	4	U243	C	1000 (454)
Hexaethyl tetraphosphate	757584	Tetraphosphoric acid, hexaethyl ester	1*	4	P062	B	100 (45.4)
Hexamethylene-1,6-diisocyanate	822060		1*	3		B	100 (45.4)
Hexamethylphosphoramide	680319		1*	3		X	1 (0.454)
Hexane	110543		1*	3		D	5000 (2270)
Hexone	108101	Methyl isobutyl ketone 4-Methyl-2-pentanone	1*	3,4	U161	D	5000 (2270)
Hydrazine	302012		1*	3,4	U133	X	1 (0.454)
Hydrazine, 1,2-diethyl-	1615801	N,N'-Diethylhydrazine	1*	4	U086	A	10 (4.54)
Hydrazine, 1,1-dimethyl-	57147	1,1-Dimethylhydrazine	1*	3,4	U093	A	10 (4.54)
Hydrazine, 1,2-dimethyl-	540738	1,2-Dimethylhydrazine	1*	4	U099	X	1 (0.454)
Hydrazine, 1,2-diphenyl-	122667	1,2-Diphenylhydrazine	1*	2,3,4	U109	A	10 (4.54)
Hydrazine, methyl-	60344	Methyl hydrazine	1*	3,4	P068	A	10 (4.54)
Hydrazinecarbothioamide	79196	Thiosemicarbazide	1*	4	P116	B	100 (45.4)
Hydrochloric acid	7647010	Hydrogen chloride	5000	1,3		D	5000 (2270)
Hydrocyanic acid	74908	Hydrogen cyanide	10	1,4	P063	A	10 (4.54)
Hydrofluoric acid	7664393	Hydrogen fluoride	5000	1,3,4	U134	B	100 (45.4)
Hydrogen chloride	7647010	Hydrochloric acid	5000	1,3		D	5000 (2270)
Hydrogen cyanide	74908	Hydrocyanic acid	10	1,4	P063	A	10 (4.54)
Hydrogen fluoride	7664393	Hydrofluoric acid	5000	1,3,4	U134	B	100 (45.4)
Hydrogen phosphide	7803512	Phosphine	1*	3,4	P096	B	100 (45.4)
Hydrogen sulfide	7783064	Hydrogen sulfide H ₂ S	100	1,4	U135	B	100 (45.4)
Hydrogen sulfide H ₂ S	7783064	Hydrogen sulfide	100	1,4	U135	B	100 (45.4)
Hydroperoxide, 1-methyl-1-phenylethyl-	80159	alpha,alpha-Dimethylbenzylhydroperoxide	1*	4	U096	A	10 (4.54)
Hydroquinone	123319		1*	3		B	100 (45.4)
2-Imidazolidinethione	96457	Ethylenethiourea	1*	3,4	U116	A	10 (4.54)
Indeno[1,2,3-cd]pyrene	193395	1,10-(1,2-Phenylene)pyrene	1*	2,4	U137	B	100 (45.4)
Iodomethane	74884	Methane, iodo- Methyl iodide	1*	3,4	U138	B	100 (45.4)
1,3-Isobenzofurandione	85449	Phthalic anhydride	1*	3,4	U190	D	5000 (2270)

Isobutyl alcohol	78131	1 Propanol, 2-methyl	1*	4	U140	D	5000 (22.70)
Isodrin	465736	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro- (1alpha,4alpha,4beta,5beta,8beta,8beta)-	1*	4	P060	X	1 (0.454)
Isophorone	78591		1*	2,3		D	5000 (22.70)
Isoprene	78795		1000	1		B	100 (45.4)
Isopropylamine dodecylbenzenesulfonate	42504461		1000	1		C	1000 (454)
Isosafrole	120581	1,3-Benzodioxole, 5-(1-propenyl)-	1*	4	U141	B	100 (45.4)
3(2H)-Isoxazolone, 5-(aminomethyl)-	2763964	Muscimol	1*	4	P007	C	1000 (454)
Kepone	143500	5-(Aminomethyl)-3-isoxazolone	1	1,4	U142	X	1 (0.454)
Laslocarpine	300344	1,3,4-Metheno-2H-cyclobutal[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorohydro-	1*	4	U143	A	10 (4.54)
Lead II	7439921	2-Butenoic acid, 2-methyl-, 7[(2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutyl)methyl]-2,3,5,7a-tetrahydro-1H-pyrolizin-1-yl ester, [(1S)-[1alpha(Z),7(2S*,3H*),7aalpha]]-	1*	2		A	10 (4.54)
Lead acetate	301042	Acetic acid, lead(2+) salt	5000	1,4	U144	A	10 (4.54)
LEAD AND COMPOUNDS	N.A.	Lead Compounds	1*	2,3			**
Lead Compounds	N.A.	LEAD AND COMPOUNDS	1*	2,3		X	**
Lead arsenate	7784409		5000	1			1 (0.454)
Lead chloride	7645252						
Lead, bis(acetato-O)tetrahydroxytri-	10102484	Lead subacetate	1*	4	U146	A	10 (4.54)
Lead chloride	1335326		5000	1		A	10 (4.54)
Lead fluoroborate	7758954		5000	1		A	10 (4.54)
Lead fluoride	13814965		1000	1		A	10 (4.54)
Lead iodide	7783462		5000	1		A	10 (4.54)
Lead nitrate	10101630		5000	1		A	10 (4.54)
Lead phosphate	10099748		5000	1		A	10 (4.54)
Lead stearate	7448277	Phosphoric acid, lead(2+) salt (2:3)	1*	4	U145	A	10 (4.54)
Lead sulfide	1072351		5000	1		A	10 (4.54)
Lead subacetate	7428480						
Lead sulfate	52652592	Lead, bis(acetato-O)tetrahydroxytri-	1*	4	U146	A	10 (4.54)
	56189094		5000	1		A	10 (4.54)
	1335326						
	7446142						
	15739807						
	1314870						
	592870						
	58899						
Lead thiocyanate		gamma-BHC	5000	1		A	10 (4.54)
Lindane		Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1a,2a,3a,4a,5a,6a)-	5000	1		A	10 (4.54)
		Hexachlorocyclohexane (gamma isomer)	1	1,2,3,4	U129	X	1 (0.454)
		Lindane (all isomers)					

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Lindane (all isomers)	58899	γ-BHC Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1α,2α,3β,4α,5α,6β) . Hexachlorocyclo- hexane (gamma isomer) Lindane	1	1,2,3,4	U129	X	1 (0.454)
Lithium chromate	14307358		1000	1		A	10 (4.54)
Malathion	121755		10	1		B	100 (45.4)
Maleic acid	110167		5000	1		D	5000 (2270)
Maleic anhydride	108316	2,5-Furandione	5000	1,3,4	U147	D	5000 (2270)
Maleic hydrazide	123331	3,6-Pyridazinedione, 1,2-dihydro	1*	4	U148	D	5000 (2270)
Malononitrile	109773	Propanedinitrile	1*	4	U149	C	1000 (454)
Manganese, bis(dimethylcarbamodithioato-S,S')-(Manganese dimethylidithiocarbamate).	15339363		1*	4	P196		##
Manganese Compounds	N.A.		1*	3			**
MDI	101698	Methylene diphenyl diisocyanate	1*	3		D	5000 (2270)
Mephalan	148823	L-Phenylalanine, 4-[bis(2-chloroethyl) amino]	1*	4	U150	X	1 (0.454)
MEK	78933	2-Butanone Methyl ethyl ketone	1*	3,4	U159	D	5000 (2270)
Mercaptodimethur	2032657		100	1		A	10 (4.54)
Mercuric cyanide	592041		1	1		X	1 (0.454)
Mercuric nitrate	10045940		10	1		A	10 (4.54)
Mercuric sulfate	7783359		10	1		A	10 (4.54)
Mercuric thiocyanate	592858		10	1		A	10 (4.54)
Mercurous nitrate	10415755		10	1		A	10 (4.54)
Mercury	7439976		1*	2,3,4	U151	X	1 (0.454)
MERCURY AND COMPOUNDS	N.A.	Mercury Compounds	1*	2,3			**
Mercury Compounds	N.A.	MERCURY AND COMPOUNDS	1*	2,3			**
Mercury, (acetate-O)phenyl-	62384	Phenylmercury acetate	1*	4	P092	B	100 (45.4)
Mercury fulminate	626864	Fulminic acid, mercury(2+)salt	1*	4	P065	A	10 (4.54)
Methacrylonitrile	126987	2-Propenenitrile, 2-methyl-	1*	4	U152	C	1000 (454)
Methanamine, N-methyl-	124403	Dimethylamine	1000	1,4	U092	C	1000 (454)
Methanamine, N-methyl-N-nitroso-	62759	N-Nitrosodimethylamine	1*	2,3,4	P082	A	10 (4.54)
Methane, bromo-	74839	Bromomethane Methyl bromide	1*	2,3,4	U029	C	1000 (454)
Methane, chloro-	74873	Chloromethane Methyl chloride	1*	2,3,4	U045	B	100 (45.4)
Methane, chloromethoxy-	107302	Chloromethyl methyl ether	1*	3,4	U046	A	10 (4.54)
Methane, dibromo-	74953	Methylene bromide	1*	4	U068	C	1000 (454)

Methane, dichloro-	75092	Methylene chloride	1*	2,3,4	U080	C	1000 (45.4)
Methane, dichlorodifluoro-	75718	Dichloromethane	1*	4	U075	D	5000 (2270)
Methane, iodo-	74884	Dichlorodifluoromethane	1*	3,4	U138	B	100 (45.4)
Methane, isocyanato-	624839	Iodomethane	1*	3,4	P064	A	10 (4.54)
Methane, oxybis(chloro-	542881	Methyl iodide	1*	3,4	P016	A	10 (4.54)
Methanesulfonyl chloride, trichloro-	594423	Methyl isocyanate	1*	4	P118	B	100 (45.4)
Methanesulfonic acid, ethyl ester	62500	Bis(chloromethyl)ether	1*	4	U119	X	1 (0.454)
Methane, tetrachloro-	56235	Dichloromethyl ether	5000	1,2,3,4	U211	A	10 (4.54)
Methane, tetranitro-	509148	Trichloromethanesulfonyl chloride	1*	4	P112	A	10 (4.54)
Methane, tribromo-	75252	Ethyl methanesulfonate	1*	2,3,4	U225	B	100 (45.4)
Methane, trichloro-	67663	Carbon tetrachloride	5000	1,2,3,4	U044	A	10 (4.54)
Methane, trichlorofluoro-	75694	Tetranitromethane	1*	4	U121	D	5000 (2270)
Methanethiol	74931	Bromoform	100	1,4	U153	B	100 (45.4)
Methanimidamide, N,N-dimethyl-N'-[3- [[[(methylamino)carbonyl]oxy]phenyl]- (Formetanate hydrochloride). monohydrochloride	23422539	Chloroform	1*	4	P198		##
Methanimidamide, N,N-dimethyl-N'-[2-methyl-4- [[[(methylamino)carbonyl]oxy]phenyl]- (Formparanate).	17702577	Trichloromonofluoromethane	1*	4	P197		##
6,9-Methano-2,4,3-benzodioxathiepin, 1,5,5a,6,9,9a-hexahydro-, 3-oxide 6,7,8,9,10,10-hexachloro-	115297	Methylmercaptan	1	1,2,4	P050	X	1 (0.454)
1,3,4-Metheno-2H-cyclobutal[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-	143500	Thiomethanol	1	1,4	U142	X	1 (0.454)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-	76448	Endosulfan	1*	1,2,3,4	P059	X	1 (0.454)
4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	57749	Kepone	1	1,2,3,4	U036	X	1 (0.454)
Methanol	67561	Heptachlor	1*	3,4	U154	D	5000 (2270)
Methapyrilene	91805	Chlordane	1*	4	U155	D	5000 (2270)
Methomyl	16752775	Chlordane, alpha & gamma isomers CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)	1*	3,4	U154	D	5000 (2270)
Methoxychlor	72435	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl- N'-(2-thienylmethyl)-.	1*	4	P066	B	100 (45.4)
Methyl alcohol	67561	Ethanimidothioic acid, N-[[[(methyl- amino)carbonyl]oxy]-, methyl ester.	1	1,3,4	U247	X	1 (0.454)
2-Methyl aziridine	75558	Benzene, 1,1'-(2,2,2-trichloroethyl- idene)bis[4- methoxy-	1*	3,4	U154	D	5000 (2270)
Methyl bromide	74839	Methanol	1*	3,4	P067	X	1 (0.454)
1-Methylbutadiene	504609	Aziridine, 2-methyl-	1*	3,4	P067	X	1 (0.454)
Methyl chloride	74873	1,2-Propylenimine	1*	2,3,4	U029	C	1000 (45.4)
Methyl chlorocarbonate	79221	Bromomethane	1*	4	U186	B	100 (45.4)
		Methane, bromo-	1*	2,3,4	U045	B	100 (45.4)
		1,3-Pentadiene	1*	4	U186	B	100 (45.4)
		Chloromethane	1*	2,3,4	U045	B	100 (45.4)
		Methane, chloro-	1*	4	U156	C	1000 (45.4)
		Carbonochloridic acid, methyl ester	1*	4	U156	C	1000 (45.4)
		Methyl chloroformate	1*	4	U156	C	1000 (45.4)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

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Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RO	
			RO	Code I	RCRA waste Number	Cat-egory	Pounds (Kg)
Methyl chloroform	71556	Ethane, 1,1,1,-trichloro- 1,1,1-Trichloroethane	1*	2,3,4	U226	C	1000 (454)
Methyl chloroformate	79221	Carbonochloridic acid, methyl ester Methyl chlorocarbonate	1*	4	U156	C	1000 (454)
3-Methylcholanthrene	56495	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	1*	4	U157	A	10 (4.54)
4,4'-Methylenebis(2-chloroaniline)	101144	Benzenamine, 4,4'-methylene-bis(2-chloro-	1*	3,4	U158	A	10 (4.54)
Methylene bromide	74953	Methane, dibromo-	1*	4	U068	C	1000 (454)
Methylene chloride	75092	Dichloromethane Methane, dichloro-	1*	2,3,4	U080	C	1000 (454)
4,4'-Methylenedianiline	101779	MDI	1*	3		A	10 (4.54)
Methylene diphenyl diisocyanate	101688	2-Butanone	1*	3		D	5000 (2270)
Methyl ethyl ketone	78933	MEK	1*	3,4	U159	D	5000 (2270)
Methyl ethyl ketone peroxide	1338234	2-Butanone peroxide	1*	4	U160	A	10 (4.54)
Methyl hydrazine	60344	Hydrazine, methyl-	1*	3,4	P068	A	10 (4.54)
Methyl iodide	74884	Iodomethane Methane, iodo-	1*	3,4	U138	B	100 (45.4)
Methyl isobutyl ketone	108101	Hexone 4-Methyl-2-pentanone	1*	3,4	U161	D	5000 (2270)
Methyl isocyanate	624839	Methane, isocyanato-	1*	3,4	P064	A	10 (4.54)
2-Methylactonitrile	75865	Acetone cyanohydrin Propanenitrile, 2-hydroxy-2-methyl-	10	1,4	P069	A	10 (4.54)
Methylmercaptan	74931	Methanethiol Thiomethanol	100	1,4	U153	B	100 (45.4)
Methyl methacrylate	80626	2-Propenoic acid, 2-methyl-, methyl ester	5000	1,3,4	U162	C	1000 (454)
Methyl parathion	298000	Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester.	100	1,4	P071	B	100 (45.4)
4-Methyl-2-pentanone	108101	Hexone Methyl isobutyl ketone	1*	3,4	U161	D	5000 (2270)
Methyl tert-butyl ether	1634044	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	1*	3		C	1000 (454)
Methylthiouracil	56042		1*	4	U164	A	10 (4.54)
Mevinphos	7786347		1	1		A	10 (4.54)
Mexacarbale	315184		1000	1		C	1000 (454)
Mitomycin C	50077	Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione,6-amino-8-[[[amino-carbonyl]oxy] methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha, 6beta, 8aalpha, 8balpha)]-	1*	4	U010	A	10 (4.54)
MNNG	70257	Guanidine, N-methyl-N'-nitro-N-nitroso-	1*	4	U163	A	10 (4.54)
Monoethylamine	75047		1000	1		B	100 (45.4)

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Monomethylamine	74895	1000	1	F039	B	100 (45.4)
Multi-Source Leachate	2763964	1*	4	P007	X	1 (0.454)
Muscimol	300765	1*	4	U059	C	1000 (454)
5,12-Naphthacenedione, 8-acetyl-10-[3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-	20830813	10	1		A	10 (4.54)
1-Naphthalenamine	134327	1*	4	U167	A	10 (4.54)
2-Naphthalenamine	91596	1*	4	U168	B	100 (45.4)
Naphthalenamine, N,N'-bis(2-chloroethyl)-	494031	1*	4	U026	A	100 (45.4)
Naphthalene	91203	5000	1,2,3,4	U165	B	100 (45.4)
Naphthalene, 2-chloro-	91587	1*	2,4	U047	D	5000 (2270)
1,4-Naphthalenedione	130154	1*	4	U166	D	5000 (2270)
2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-1,1'-biphenyl)-4,4'-diyl]-bis(azo)bis(5-amino-4-hydroxy)-tetrasodium salt	72571	1*	4	U236	A	10 (4.54)
Naphthionic acid	1338245	100	1		B	100 (45.4)
1,4-Naphthoquinone	130154	1*	4	U166	D	5000 (2270)
alpha-Naphthylamine	134327	1*	4	U167	B	100 (45.4)
beta-Naphthylamine	91598	1*	4	U168	A	10 (4.54)
alpha-Naphthylthiourea	86884	1*	4	P072	B	100 (45.4)
Nickel††	7440020	1*	2		B	100 (45.4)
Nickel ammonium sulfate	15699180	5000	1		B	100 (45.4)
NICKEL AND COMPOUNDS	N.A.	1*	2,3		**	**
Nickel Compounds	N.A.	1*	2,3		**	**
Nickel carbonyl	13463393	1*	4	P073	A	10 (4.54)
Nickel carbonyl Ni(CO) ₄ , (T-4)-	7716549	1*	4	P073	A	10 (4.54)
Nickel chloride	37211055	5000	1		B	100 (45.4)
Nickel cyanide	557197	1*	4	P074	A	10 (4.54)
Nickel cyanide Ni(CN) ₂	557197	1*	4	P074	A	10 (4.54)
Nickel hydroxide	12054487	1000	1		A	10 (4.54)
Nickel nitrate	14216752	5000	1		B	100 (45.4)
Nickel sulfate	7786814	5000	1		B	100 (45.4)
Nicotine, & salts	54115	1*	4	P075	B	100 (45.4)
Nitric acid	7697372	1000	1		C	1000 (454)
Nitric acid, thallium (+) salt	10102451	1*	4	U217	B	100 (45.4)
Nitric oxide	10102439	1*	4	P076	A	10 (4.54)
p-Nitroaniline	100016	1*	4	P077	D	5000 (2270)
Nitrobenzene	98953	1000	1,2,3,4	U169	C	1000 (454)
4-Nitrophenyl	92933	1*	3		A	10 (4.54)
Nitrogen dioxide	10102440	1000	1,4	P078	A	10 (4.54)
Nitrogen oxide NO	10544726	1000	1,4	P078	A	10 (4.54)
Nitrogen oxide NO ₂	10102439	1*	4	P076	A	10 (4.54)
Nitrogen dioxide	10102440	1000	1,4	P078	A	10 (4.54)
Nitrogen oxide NO	10544726	1000	1,4	P078	A	10 (4.54)
Nitrolycerine	5630	1*	4	P081	A	10 (4.54)
Nitrophenol (mixed)	25154556	1000	1		B	100 (45.4)
m-Nitrophenol	554847	1000	1		B	100 (45.4)
o-Nitrophenol	88755	1000	1		B	100 (45.4)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RC	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
p-Nitrophenol	100027	4-Nitrophenol Phenol, 4-nitro-	1000	1,2,3,4	U170	B	100 (45.4)
o-Nitrophenol	88755	2-Nitrophenol	1000	1,2		B	100 (45.4)
p-Nitrophenol	100027	Phenol, 4-nitro- 4-Nitrophenol	1000	1,2,4	U170	B	100 (45.4)
2-Nitrophenol	88755	o-Nitrophenol	1000	1,2		B	100 (45.4)
4-Nitrophenol	100027	p-Nitrophenol Phenol, 4-nitro-	1000	1,2,3,4	U170	B	100 (45.4)
NITROPHENOLS	N.A.		1*	2			**
2-Nitropropane	79469	Propane, 2-nitro	1*	3,4	U171	A	10 (4.54)
NITROSAMINES	N.A.		1*	2			**
N-Nitrosodi-n-butylamine	924163	1-Butanamine, N-butyl-N-nitroso-	1*	4	U172	A	10 (4.54)
N-Nitrosodiethanolamine	1116547	Ethanol, 2,2'-(nitrosoimino)bis-	1*	4	U173	X	1 (0.454)
N-Nitrosodiethylamine	55185	Ethanamine, N-ethyl-N-nitroso-	1*	4	U174	X	1 (0.454)
N-Nitrosodimethylamine	62759	Methanamine, N-methyl-N-nitroso-	1*	2,3,4	P082	A	10 (4.54)
N-Nitrosodiphenylamine	86306		1*	2		B	100 (45.4)
N-Nitroso-N-ethylurea	759739	Urea, N-ethyl-N-nitroso-	1*	4	U176	X	1 (0.454)
N-Nitroso-N-methylurea	684935	Urea, N-methyl-N-nitroso	1*	3,4	U177	X	1 (0.454)
N-Nitroso-N-methylurethane	615532	Carbamic acid, methylnitroso-, ethyl ester	1*	4	U178	X	1 (0.454)
N-Nitrosomethylvinylamine	4549400	Vinylamine, N-methyl-N-nitroso-	1*	4	P084	A	10 (4.54)
N-Nitrosomorpholine	59892		1*	3		X	1 (0.454)
N-Nitrosopiperidine	100754	Piperidine, 1-nitroso-	1*	4	U179	A	10 (4.54)
N-Nitrosopyrrolidine	930552	Pyrrolidine, 1-nitroso-	1*	4	U180	X	1 (0.454)
Nitrotoluene	1321126		1000	1		C	1000 (454)
m-Nitrotoluene	99081						
o-Nitrotoluene	88722						
p-Nitrotoluene	99990						
5-Nitro-o-toluidine	99558	Benzenamine, 2-methyl-5-nitro-	1*	4	U181	B	100 (45.4)
Octamethylpyrophosphoramide	152169	Diphosphoramidate, octamethyl-	1*	4	P085	B	100 (45.4)
Osmium oxide OsO ₄ (T-4)	20816120	Osmium tetroxide	1*	4	P087	C	1000 (454)
Osmium tetroxide	20816120	Osmium oxide OsO ₄ (T-4)	1*	4	P087	C	1000 (454)
7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	145733	Endothall	1*	4	P088	C	1000 (454)
1,2-Oxathiolane, 2,2-dioxide	1120714	1,3-Propane sulfone	1*	3,4	U193	A	10 (4.54)
2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide	50180	Cyclophosphamide	1*	4	U058	A	10 (4.54)
Oxirane	75218	Ethylene oxide	1*	3,4	U115	A	10 (4.54)
Oxiranecarboxaldehyde	765344	Glycidylaldehyde	1*	4	U126	A	10 (4.54)
Oxirane, (chloromethyl)-	106898	1-Chloro-2,3-epoxypropane Epichlorohydrin	1000	1,3,4	U041	B	100 (45.4)
Paralformaldehyde	30525894		1000	1		C	1000 (454)
Paraldehyde	123637	1,3,5-Trioxane, 2,4,6-trimethyl-	1*	4	U182	C	1000 (454)

Chemical Name	Section	Priority	Exemption	Code	Category	Quantity
Parathion	56382	1	1,3,4	P089	A	10 (4.54)
PCBs	1336353	10	1,2,3		X	1 (0.454)
Aroclor 1016	12674112	10	1,2,3		X	1 (0.454)
Aroclor 1221	11104282	10	1,2,3		X	1 (0.454)
Aroclor 1232	11141165	10	1,2,3		X	1 (0.454)
Aroclor 1242	53469219	10	1,2,3		X	1 (0.454)
Aroclor 1248	12672296	10	1,2,3		X	1 (0.454)
Aroclor 1254	11097691	10	1,2,3		X	1 (0.454)
Aroclor 1260	11086825	10	1,2,3		X	1 (0.454)
PCNB	82688	1*	3,4	U185	B	100 (45.4)
Benzene, pentachloro-						
benzene						
Quinobenzene						
Benzene, pentachloro-	608935	1*	4	U183	A	10 (4.54)
Ethane, pentachloro-	76017	1*	4	U184	A	10 (4.54)
Benzene, pentachloronitro-	82688	1*	3,4	U185	B	100 (45.4)
PCNB						
Quinobenzene						
Phenol, pentachloro-	87865	10	1,2,3,4	U242	A	10 (4.54)
1,3-Pentadiene	504609	1*	4	U186	B	100 (45.4)
Parchloroethylene	127184	1*	2,3,4	U210	B	100 (45.4)
Tetrachloroethene						
Tetrachloroethylene						
Acetamide, N(4-ethoxyphenyl)-	62442	1*	4	U187	B	100 (45.4)
Phenacetin						
Phenanthrene	85018	1*	2		D	5000 (2270)
Phenol	108952	1000	1,2,3,4	U188	C	1000 (45.4)
Phenol, 2-chloro-	95578	1*	2,4	U048	B	100 (45.4)
Phenol, 4-chloro-3-methyl-	59507	1*	2,4	U039	D	5000 (2270)
Phenol, 2-cyclohexyl-4,6-dinitro-	131895	1*	4	P034	B	100 (45.4)
Phenol, 2,4-dichloro-	120832	1*	2,4	U081	B	100 (45.4)
Phenol, 2,6-dichloro-	87650	1*	4	U082	B	100 (45.4)
Phenol, 4,4'-(1,2-dihydroxy-1,2-ethenediyl)bis-, (E)	56531	1*	4	U089	X	1 (0.454)
Phenol, 2,4-dimethyl-	105879	1*	2,4	U101	B	100 (45.4)
Phenol, 2,4-dinitro-	51285	1000	1,2,3,4	F048	A	10 (4.54)
Phenol, methyl-	1319773	1000	1,3,4	U052	B	100 (45.4)
Phenol, 2-methyl-4,6-dinitro-, & salts	534521	1*	2,3,4	P047	A	10 (4.54)
Phenol, 2,2-methylenebis[3,4,6-trichloro-	70304	1*	4	U132	B	100 (45.4)
Phenol, 3-(1-methylethyl)-, methyl carbamate (m-Cumenyl methylcarbamate)	64006	1*	4	P202		##
Phenol, 2-(1-methylpropyl)-4,6-dinitro	88857	1*	4	F020	C	1000 (45.4)
Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate (Promecarb)	2631370	1*	4	P201		##
Phenol, 4-nitro-	100027	1000	1,2,3,4	U170	B	100 (45.4)
Phenol, pentachloro-	87865	10	1,2,3,4	U242	A	10 (4.54)
Phenol, 2,3,4,5-tetrachloro-	58902	1*	4	U242	A	10 (4.54)
Phenol, 2,4,5-trichloro-	98954	10	1,3,4	U230	A	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Phenol, 2,4,6-Trichloro-	88062	2,4,6-Trichlorophenol	10	1,2,3,4	U231	A	10 (4.54)
Phenol, 2,4,6-trinitro-, ammonium salt	131748	Ammonium picrate	1*	4	P009	A	10 (4.54)
L-Phenylalanine, 4-[bis(2-chloroethyl) amino]	148623	Melphalan	1*	4	U150	X	1 (0.454)
p-Phenylenediamine	106503	.....	1*	3		D	5000 (2270)
1,10-(1,2-Phenylene)pyrene	193395	Indeno(1,2,3-cd)pyrene	1*	2,4	U137	B	100 (45.4)
Phenylmercury acetate	62384	Mercury, (acetalo-O)phenyl-	1*	4	P092	B	100 (45.4)
Phenythiourea	103655	Thiourea, phenyl-	1*	4	P093	B	100 (45.4)
Phorate	298022	Phosphorodithioic acid, O,O-diethyl S-(ethylthio), methyl ester.	1*	4	P094	A	10 (4.54)
Phosgene	75445	Carbonic dichloride	5000	1,3,4	P095	A	10 (4.54)
Phosphine	7803512	Hydrogen phosphide	1*	3,4	P096	B	100 (45.4)
Phosphoric acid	7664382	.....	5000	1		D	5000 (2270)
Phosphoric acid, diethyl 4-nitrophenyl ester	311455	Diethyl-p-nitrophenyl phosphate	1*	4	P041	B	100 (45.4)
Phosphoric acid, lead(2+) salt (2:3)	7446277	Lead phosphate	1*	4	U145	A	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester	298044	Disulfoton	1	1,4	P039	X	1 (0.454)
Phosphorodithioic acid, O,O-diethyl S-(ethylthio), methyl ester	298022	Phorate	1*	4	P094	A	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-methyl ester	3288582	O,O-Diethyl S-methyl dithiophosphate	1*	4	U087	D	5000 (2270)
Phosphorodithioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester	60515	Dimethoate	1*	4	P044	A	10 (4.54)
Phosphorofluoridic acid, bis(1-methylethyl) ester	55914	Diisopropylfluorophosphate	1*	4	P043	B	100 (45.4)
Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester	56382	Parathion	1	1,3,4	P089	A	10 (4.54)
Phosphorothioic acid, O,[4-[(dimethylamino) sulfonyl]phenyl]O,O-di-methyl ester	52857	Famphur	1*	4	P097	C	1000 (454)
Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester	298000	Methyl parathion	100	1,4	P071	B	100 (45.4)
Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	297972	O,O-Diethyl O-pyrazinyl phosphorothioate	1*	4	P040	B	100 (45.4)
Phosphorus	7723140	.....	1	1,3		X	1 (0.454)
Phosphorus oxychloride	10025873	.....	5000	1		C	1000 (454)
Phosphorus pentasulfide	1314803	Phosphorus sulfide Sulfur phosphide	100	1,4	U189	B	100 (45.4)
Phosphorus sulfide	1314803	Phosphorus pentasulfide Sulfur phosphide	100	1,4	U189	B	100 (45.4)
Phosphorus trichloride	7719122	.....	5000	1		C	1000 (454)
PHthalate ESTERS	N.A.	.....	1*	2			
Phthalic anhydride	85449	1,3-Isobenzofurandione	1*	3,4	U190	D	5000 (2270)
2-Picoline	109068	Pyridine, 2-methyl-	1*	4	U191	D	5000 (2270)
Piperidine, 1-nitroso-	100754	N-Nitrosopiperidine	1*	4	U179	A	10 (4.54)
Plumbane, tetraethyl-	78002	Tetraethyl lead	100	1,4	P110	A	10 (4.54)
POLYCHLORINATED BIPHENYLS	1336363	Aroclors	10	1,2,3		X	1 (0.454)
Aroclor 1016	12674112	PCBs	10	1,2,3		X	1 (0.454)
Aroclor 1221	11104282	.....	10	1,2,3		X	1 (0.454)
Aroclor 1232	11141165	.....	10	1,2,3		X	1 (0.454)
Aroclor 1242	53469219	.....	10	1,2,3		X	1 (0.454)

Aroclor 1248	12672296	10	1,2,3		X	1 (0.454)
Aroclor 1254	11097691	10	1,2,3		X	1 (0.454)
Aroclor 1260	11096825	10	1,2,3		X	1 (0.454)
Polycyclic Organic Matter*	N.A.	1*	3			**
POLYNUCLEAR AROMATIC HYDROCARBONS	N.A.	1*	2			**
Potassium arsenate	7784410	1000	1		X	1 (0.454)
Potassium arsenite	10124502	1000	1		X	1 (0.454)
Potassium bichromate	7778509	1000	1		A	10 (4.54)
Potassium chromate	7789006	1000	1		A	10 (4.54)
Potassium cyanide	151508	10	1,4	P098	A	10 (4.54)
Potassium cyanide K(CN)	151508	10	1,4	P098	A	10 (4.54)
Potassium hydroxide	1310583	1000	1		C	1000 (454)
Potassium permanganate	7722647	100	1		B	100 (45.4)
Potassium silver cyanide	506616	1*	4	P099	X	1 (0.454)
Pronamide	23950585	1*	4	U192	D	5000 (2270)
Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime	116063	1*	4	P070	X	1 (0.454)
1-Propanamine	107108	1*	4	U194	D	5000 (2270)
1-Propanamine, N-propyl-	142847	1*	4	U110	D	5000 (2270)
1-Propanamine, N-nitroso-N-propyl-	621647	1*	2,4	U111	A	10 (4.54)
Propane, 2-nitro	79469	1*	3,4	U171	A	10 (4.54)
1,3-Propane sultone	1120714	1*	3,4	U193	A	10 (4.54)
Propane, 1,2-dibromo-3-chloro	96128	1*	3,4	U066	X	1 (0.454)
Propane, 1,2-dichloro-	78875	5000	1,2,3,4	U083	C	1000 (454)
Propanedinitrile	109773	1*	4	U149	C	1000 (454)
Propanenitrile	107120	1*	4	P101	A	10 (4.54)
Propanenitrile, 3-chloro-	542767	1*	4	P027	C	1000 (454)
Propanenitrile, 2-hydroxy-2-methyl-	75865	10	1,4	P069	A	10 (4.54)
Propane, 2,2'-oxybis[2-chloro-	108601	1*	2,4	U027	C	1000 (454)
1,2,3-Propanetriol, trinitrate-	55630	1*	4	P081	A	10 (4.54)
1-Propanol, 2,3-dibromo-, phosphate (3:1)	126727	1*	4	U235	A	10 (4.54)
1-Propanol, 2-methyl-	78831	1*	4	U140	D	5000 (2270)
Propanal, 2-methyl-2-(methylsulfonyl)-, O-[(methylamino)carbonyl] oxime (Aldicarb sulfone)	1646884	1*	4	P203		**
2-Propanone	67641	1*	4	U002	D	5000 (2270)
2-Propanone, 1-bromo-	598312	1*	4	P017	C	1000 (454)
Propargite	2312358	10	1		A	10 (4.54)
Propargyl alcohol	107197	1*	4	P102	C	1000 (454)
2-Propenal	107028	1	1,2,3,4	P003	X	1 (0.454)
2-Propenamide	79061	1*	3,4	U007	D	5000 (2270)
1-Propene, 1,1,2,3,3,3-hexachloro-	1888717	1*	4	U243	C	1000 (454)
1-Propene, 1,3-dichloro-	542756	5000	1,2,3,4	U084	B	100 (45.4)
2-Propenenitrile	107131	100	1,2,3,4	U009	B	100 (45.4)
2-Propenenitrile, 2-methyl-	126987	1*	4	U152	C	1000 (454)
2-Propenoic acid	79107	1*	3,4	U008	D	5000 (2270)
2-Propenoic acid, ethyl ester	140885	1*	3,4	U113	C	1000 (454)
2-Propenoic acid, 2-methyl-, ethyl ester	97632	1*	4	U118	C	1000 (454)
2-Propenoic acid, 2-methyl-, methyl ester	80626	5000	1,3,4	U162	C	1000 (454)

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TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued
 [Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
2-Propen-1-ol	107186	Allyl alcohol	100	1,4	P005	B	100 (45.4)
beta-Propiolactone	57578		1*	3		A	10 (4.54)
Propionaldehyde	123386		1*	3		C	1000 (454)
Propionic acid	79094		5000	1		D	5000 (2270)
Propionic acid, 2-(2,4,5-trichlorophenoxy)-	93721	Silvex (2,4,5-TP) 2,4,5-TP acid	100	1,4	U233	B	100 (45.4)
Propionic anhydride	123626		5000	1		D	5000 (2270)
Propoxur (Baygon)	114261		1*	3		B	100 (45.4)
n-Propylamine	107108	1-Propanamine	1*	4	U194	D	5000 (2270)
Propylene dichloride	78875	1,2-Dichloropropane Propane, 1,2-dichloro-	5000	1,2,3,4	U083	C	1000 (454)
Propylene oxide	75569		5000	1,3		B	100 (45.4)
1,2-Propylenimine	75558	Aziridine, 2-methyl- 2-Methyl aziridine	1*	3,4	P067	X	1 (0.454)
2-Propyn-1-ol	107197	Propargyl alcohol	1*	4	P102	C	1000 (454)
Pyrene	129000		1*	2		D	5000 (2270)
Pyrethrins	121299		1000	1		X	1 (0.545)
	121211						
	8003347						
3,6-Pyridazinedione, 1,2-dihydro-	123331	Maleic hydrazide	1*	4	U148	D	5000 (2270)
4-Pyridinamine	504245	4-Aminopyridine	1*	4	P008	C	1000 (454)
Pyridine	110861		1*	4	U196	C	1000 (454)
Pyridine, 2-methyl-	109068	2-Picoline	1*	4	U191	D	5000 (2270)
Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-	54115	Nicotine, & salts	1*	4	P075	B	100 (45.4)
2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	66751	Uracil mustard	1*	4	U237	A	10 (4.54)
4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	56042	Methylthiouracil	1*	4	U164	A	10 (4.54)
Pyrrolidine, 1-nitroso-	930552	N-Nitrosopyrrolidine	1*	4	U180	X	1 (0.454)
Pyrrolo[2,3-b] indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)-(Physostigmine.	57476		1*	4	P204		##
Quinoline	91225		1000	1,3		D	5000 (2270)
Quinone	106514	p-Benzoquinone 2,5-Cyclohexadiene-1,4-dione	1*	3,4	U197	A	10 (4.54)
Quintobenzene	82688	Benzene, pentachloronitro PCNB Pentachloronitro- benzene	1*	3,4	U185	B	100(45.4)
RADIONUCLIDES	N.A.		1*	3			§
Radionuclides (including radon)	N.A.		1*	3			§

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Reserpine	50555	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester (3beta, 16beta,17alpha,18beta,20alpha)-	1*	4	U200	D	5000 (2270)
Resorcinol	108463	1,3-Benzenediol	1000	1,4	U201	D	5000 (2270)
Saccharin and salts	81072	1,2-Benzisothiazol-3(2H) one, 1,1-dioxide	1*	4	U202	B	100 (45.4)
Safrole	94597	1,3-Benzodioxole, 5-(2-propenyl)-	1*	4	U203	B	100 (45.4)
Selenious acid	7783008	.....	1*	4	U204	A	10 (4.54)
Selenious acid, dithallium (1+) salt	12039520	Thallium selenite	1*	4	P114	C	1000 (454)
Selenium ††	7782492	.....	1*	2		B	100 (45.4)
SELENIUM AND COMPOUNDS	N.A.	Selenium Compounds	1*	2,3			..
Selenium Compounds	N.A.	SELENIUM COMPOUNDS	1*	2,3			..
Selenium dioxide	7446084	Selenium oxide	1000	1,4	U204	A	10 (4.54)
Selenium dioxide	7446084	Selenium dioxide	1000	1,4	U204	A	10 (4.54)
Selenium sulfide	7488564	Selenium sulfide SeS ₂	1*	4	U205	A	10 (4.54)
Selenium sulfide SeS ₂	7488564	Selenium sulfide	1*	4	U205	A	10 (4.54)
Selenourea	630104	.....	1*	4	P103	C	1000 (454)
L-Serine, diazoacetate (ester)	115026	Azaserine	1*	4	U015	X	1 (0.454)
Silver ††	7440224	.....	1*	2		C	1000 (454)
SILVER AND COMPOUNDS	N.A.	.....	1*	2			..
Silver cyanide	506649	Silver cyanide Ag (CN)	1*	4	P104	X	1 (0.454)
Silver cyanide Ag (CN)	506649	Silver cyanide	1*	4	P104	X	1 (0.454)
Silver nitrate	7761888	.....	1	1		X	1 (0.454)
Silvex (2,4,5-TP)	93721	Propionic acid, 2-(2,4,5-trichlorophenoxy)- 2,4,5-TP acid	100	1,4	U233	B	100 (45.4)
Sodium	7440235	.....	1000	1		A	10 (4.54)
Sodium arsenate	7631892	.....	1000	1		X	1 (0.454)
Sodium arsenite	7784465	.....	1000	1		X	1 (0.454)
Sodium azide	26626228	.....	1*	4	P105	C	1000 (454)
Sodium bichromate	10588019	.....	1000	1		A	10 (4.54)
Sodium bifluoride	1333831	.....	5000	1		B	100 (45.4)
Sodium bisulfite	7631905	.....	5000	1		D	5000 (2270)
Sodium chromate	7775113	.....	1000	1		A	10 (4.54)
Sodium cyanide	143339	Sodium cyanide Na(CN)	10	1,4	P106	A	10 (4.54)
Sodium cyanide Na(CN)	143339	Sodium cyanide	10	1,4	P106	A	10 (4.54)
Sodium dodecylbenzenesulfonate	25155300	.....	1000	1		C	1000 (454)
Sodium fluoride	7681494	.....	5000	1		C	1000 (454)
Sodium hydrosulfide	16721805	.....	5000	1		D	5000 (2270)
Sodium hydroxide	1310732	.....	1000	1		C	1000 (454)
Sodium hypochlorite	7681529	.....	100	1		B	100 (45.4)
.....	10022705	.....	.....	.....	.....	.....	.....
Sodium methylate	124414	.....	1000	1		C	1000 (454)
Sodium nitrite	7632000	.....	100	1		B	100 (45.4)
Sodium phosphate, dibasic	7558794	.....	5000	1		D	5000 (2270)
.....	10039324	.....	.....	.....	.....	.....	.....
.....	10140655	.....	.....	.....	.....	.....	.....

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued
 [Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Sodium phosphate, tribasic	7601549 7758294 7785844 10101890 10124568 10361894		5000	1		D	5000 (2270)
Sodium selenite	10102188 7782823		1000	1		B	100 (45.4)
Streptozotocin	18883664	D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)-carbonylamino]- Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-	1*	4	U206	X	1 (0.454)
Strontium chromate	7789062		1000	1		A	10 (4.54)
Strychnidin-10-one	57249	Strychnine, & salts	10	1,4	P108	A	10 (4.54)
Strychnidin-10-one, 2,3-dimethoxy-	357573	Brucine	1*	4	P01B	B	100 (45.4)
Strychnine, & salts	57249	Strychnidin-10-one	10	1,4	P108	A	10 (4.54)
Styrene	100425		1000	1,3		C	1000(454)
Styrene oxide	96093		1*	3		B	100 (45.4)
Sulfur monochloride	12771083		1000	1		C	1000 (454)
Sulfur phosphide	1314803	Phosphorus pentasulfide Phosphorus sulfide	100	1,4	U189	B	100 (45.4)
Sulfuric acid	7664939 8014957		1000	1		C	1000 (454)
Sulfuric acid, dithallium (1+) salt	7446186 10031591	Thallium (I) sulfate	1000	1,4	P115	B	100 (45.4)
Sulfuric acid, dimethyl ester	77781	Dimethyl sulfate	1*	3,4	U103	B	100(45.4)
2,4,5-T acid	93765	Acetic acid, (2,4,5-trichlorophenoxy) 2,4,5-T	100	1,4	U232	C	1000 (454)
2,4,5-T amines	2008460 1319728 3813147 6369966 6369977		100	1		D	5000 (2270)
2,4,5-T esters	93798 1928478 2545597 25168154 61792072		100	1		C	1000 (454)
2,4,5-T salts	13560991		100	1		C	1000 (454)
2,4,5-T	93765	Acetic acid, (2,4,5-trichlorophenoxy) 2,4,5-T acid	100	1,4	U232	C	1000 (454)

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TCDD	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1*	2,3		X	1(0.454)
TDE	72548	Benzene, 1,1'-(2,2'-dichloroethylidene)bis[4-chloro- DDD 4,4' DDD	1	1,2,4	U060	X	1 (0.454)
1,2,4,5-Tetrachlorobenzene	95943	Benzene, 1,2,4,5-tetrachloro-	1*	4	U207	D	5000 (2270)
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746016	TCDD	1*	2,3		X	1(0.454)
1,1,1,2-Tetrachloroethane	630206	Ethane, 1,1,1,2-tetrachloro-	1*	4	U208	B	100 (45.4)
1,1,2,2-Tetrachloroethane	79345	Ethane, 1,1,2,2-tetrachloro-	1*	2,3,4	U209	B	100(45.4)
Tetrachloroethene	127184	Ethene, tetrachloro-	1*	2,3,4	U210	B	100(45.4)
		Perchloroethylene					
		Tetrachloroethylene					
Tetrachloroethylene	127184	Ethene, tetrachloro	1*	2,3,4	U210	B	100(45.4)
		Perchloroethylene					
		Tetrachloroethene					
2,3,4,6-Tetrachlorophenol	58902	Phenol, 2,3,4,6-tetrachloro-	1*	4	U212	A	10 (4.54)
Tetraethyl lead	78002	Piumbane, tetraethyl-	100	1,4	P110	A	10 (4.54)
Tetraethyl pyrophosphate	107493	Diphosphoric acid, tetraethyl ester	100	1,4	P111	A	10 (4.54)
Tetraethylthiopyrophosphate	3689245	Thiodiphosphoric acid, tetraethyl ester	1*	4	P109	B	100 (45.4)
Tetrahydrofuran	109999	Furan, tetrahydro-	1*	4	U213	C	1000 (454)
Tetranitromethane	509148	Methane, tetranitro-	1*	4	P112	A	10 (4.54)
Tetraphosphoric acid, hexaethyl ester	757584	Hexaethyl tetraphosphate	1*	4	P062	B	100 (45.4)
Thallic oxide	1314325	Thallium oxide Tl ₂ O ₃	1*	4	P113	B	100 (45.4)
Thallium ††	7440280	.....	1*	2		C	1000 (454)
Thallium and compounds	N.A.	.....	1*	2			..
Thallium (I) acetate	563688	Acetic acid, thallium(1+) salt	1*	4	U214	B	100 (45.4)
Thallium (I) carbonate	6533739	Carbonic acid, dithallium(1+) salt	1*	4	U215	B	100 (45.4)
Thallium (I) chloride	7791120	Thallium chloride TlCl	1*	4	U216	B	100 (45.4)
Thallium chloride TlCl	7791120	Thallium(I) chloride	1*	4	U216	B	100 (45.4)
Thallium (I) nitrate	10102451	Nitric acid, thallium (1+) salt	1*	4	U217	B	100 (45.4)
Thallium oxide Tl ₂ O ₃	1314325	Thallic oxide	1*	4	P113	B	100 (45.4)
Thallium selenite	12039520	Selenious acid, dithallium(1+) salt	1*	4	P114	C	1000 (454)
Thallium sulfate	7446186	Sulfuric acid, dithallium(1+) salt	1000	1,4	P115	B	100 (45.4)
	10031591	.....				
Thioacetamide	62555	Ethanethioamide	1*	4	U218	A	10 (4.54)
Thiodiphosphoric acid, tetraethyl ester	3689245	Tetraethylthiopyrophosphate	1*	4	P109	B	100 (45.4)
Thiofanox	39196184	2-Butanone, 3,3-dimethyl-1-(methylthio)-, O[(methylamino)carbonyl] oxime	1*	4	P045	B	100 (45.4)
Thioimidodicarbonic diamide [(H ₂ N)C(S)] 2NH	541537	Dithiobiuret	1*	4	P049	B	100 (45.4)
Thiomethanol	74931	Methanethiol	100	1,4	U153	B	100 (45.4)
		Methylmercaptan					
Thioperoxydicarbonic diamide [(H ₂ N)C(S)] 2S ₂ , tetramethyl-	137268	Thiram	1*	4	U244	A	10 (4.54)
Thiophenol	108985	Benzenethiol	1*	4	P014	B	100 (45.4)
Thiosemicarbazide	79196	Hydrazinecarbothioamide	1*	4	P116	B	100 (45.4)
Thiourea	62566	.....	1*	4	U219	A	10 (4.54)
Thiourea, (2-chlorophenyl)-	5344821	1-[o-Chlorophenyl]thiourea	1*	4	P026	B	100 (45.4)
Thiourea, 1-naphthalenyl-	86894	alpha-Naphthylthiourea	1*	4	P072	B	100 (45.4)
Thiourea, phenyl-	103855	Phenylthiourea	1*	4	P093	B	100 (45.4)
Thiram	137268	Thioperoxydicarbonic diamide [(H ₂ N)C(S)] 2S ₂ , tetramethyl-	1*	4	U244	A	10 (4.54)
						
Titanium tetrachloride	7550450	.....	1*	3		C	1000 (454)
Toluene	108883	Benzene, methyl	1000	1,2,3,4	U220	C	1000(454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Toluenediamine	95807 496720 823405 25376458	Benzenediamine, ar-methyl- 2,4-Toluene diamine	1*	3,4	U221	A	10(4.54)
2,4-Toluene diamine	95807 496720 823405 25376458	Benzenediamine, ar-methyl- Toluenediamine	1*	3,4	U221	A	10(4.54)
Toluene diisocyanate	91087 584849 26471625	Benzene, 1,3-diisocyanatomethyl- 2,4-Toluene diisocyanate-	1*	3,4	U223	B	100 (45.4)
2,4-Toluene diisocyanate	91087 584849 26471625	Benzene, 1,3-diisocyanatomethyl- Toluene diisocyanate	1*	3,4	U223	B	100 (45.4)
o-Toluidine	95534	Benzenamine, 2-methyl-	1*	3,4	U328	B	100(45.4)
p-Toluidine	106490	Benzenamine, 4-methyl-	1*	4	U353	B	100 (45.4)
o-Toluidine hydrochloride	636215	Benzenamine, 2-methyl-, hydrochloride	1*	4	U222	B	100 (45.4)
Toxaphene	8001352	Camphene, octachloro- Chlorinated camphene	1*	1,2,3,4	P123	X	1 (0.454)
2,4,5-TP acid	93721	Propionic acid, 2-(2,4,5-trichlorophenoxy)- Silvex (2,4,5-TP)	100	1,4	U233	B	100 (45.4)
2,4,5-TP esters	32534955		100	1		B	100 (45.4)
1H-1,2,4-Triazol-3-amine	61825	Anitrole	1*	4	U011	A	10 (4.54)
2,4,6-tribromophenol	118796		100	4	U408	B	100 (45.4)
Trichlorfon	52686		1000	1		B	100 (45.4)
1,2,4-Trichlorobenzene	120821		1*	2,3		B	100 (45.4)
1,1,1-Trichloroethane	71556	Ethane, 1,1,1-trichloro- Methyl chloroform	1*	2,3,4	U226	C	1000 (454)
1,1,2-Trichloroethane	79005	Ethane, 1,1,2-trichloro	1*	2,3,4	U227	B	100 (45.4)
Trichloroethene	79016	Ethene, trichloro- Trichloroethylene	1000	1,2,3,4	U228	B	100 (45.4)
Trichloroethylene	79016	Ethene, trichloro Trichloroethene	1000	1,2,3,4	U228	B	100 (45.4)
Trichloromethanesulfonyl chloride	594423	Methanesulfonyl chloride, trichloro-	1*	4	P118	B	100 (45.4)
Trichloromonofluoromethane	75694	Methane, trichlorofluoro-	1*	4	U121	D	5000 (2270)
Trichlorophenol	25167822		10	1		A	10 (4.54)
2,3,4-Trichlorophenol	15950660						
2,3,5-Trichlorophenol	933788						
2,3,6-Trichlorophenol	933755						
2,4,5-Trichlorophenol	95954	Phenol, 2,4,5-trichloro-	10	1,3,4	U230	A	10 (4.54)
2,4,6-Trichlorophenol	88062	Phenol, 2,4,6-trichloro-	10	1,2,3,4	U231	A	10 (4.54)

3,4,5-Trichlorophenol	609198							
2,4,5-Trichlorophenol	95954	Phenol, 2,4,5-trichloro	10*	1,4	U230	A	10 (4.54)	
2,4,6-Trichlorophenol	86062	Phenol, 2,4,6-trichloro	10	1,2,4	U231	A	10 (4.54)	
Triethanolamine dodecylbenzenesulfonate	27323417		1000	1		C	1000 (454)	
Triethylamine	121448		5000	1,3		D	5000 (2270)	
Trifluralin	1582098		1*	3		A	10 (4.54)	
Trimethylamine	75503		1000	1		B	100 (45.4)	
2,2,4-Trimethylpentane	540841		1*	3		C	1000 (454)	
1,3,5-Trinitrobenzene	99354	Benzene, 1,3,5-trinitro	1*	4	U234	A	10 (4.54)	
1,3,5-Trioxane, 2,4,6-trimethyl-	123637	Paraldehyde	1*	4	U182	C	1000 (454)	
Tris(2,3-dibromopropyl) phosphate	126727	1-Propanol, 2,3-dibromo-, phosphate [(3:1)	1*	4	U235	A	10 (4.54)	
Trypan blue	72571	2,7-Naphthalenedisulfonic acid, 3,3'-3,3'-di- methyl-(1,1'-biphenyl)-4,4'-diyl)- bis(azo)bis(5-amino-4-hydroxy)-tetrasodium salt.	1*	4	U236	A	10 (4.54)	
Unlisted Hazardous Wastes Characteristic of Corrosivity	N.A.		1*	4	D002	B	100 (45.4)	
Unlisted Hazardous Wastes Characteristics:	N.A.		1*	4				
Characteristic of Toxicity:								
Arsenic (D004)	N.A.		1*	4	D004	X	1 (0.454)	
Barium (D005)	N.A.		1*	4	D005	C	1,000 (454)	
Benzene (D018)	N.A.		1000	1, 2, 3, 4	D018	A	10 (4.54)	
Cadmium (D006)	N.A.		1*	4	D006	A	10 (4.54)	
Carbon tetrachloride (D019)	N.A.		5,000	1, 2, 4	D019	A	10 (4.54)	
Chlordane (D020)	N.A.		1	1, 2, 4	D020	X	1 (0.454)	
Chlorobenzene (D021)	N.A.		100	1, 2, 4	D021	B	100 (45.4)	
Chloroform (D022)	N.A.		5,000	1, 2, 4	D022	A	10 (4.54)	
Chromium (D007)	N.A.		1*	4	D007	A	10 (4.54)	
o-Cresol (D023)	N.A.		1*	4	D023	B	100 (45.4)	
m-Cresol (D024)	N.A.		1*	4	D024	B	100 (45.4)	
p-Cresol (D025)	N.A.		1*	4	D025	B	100 (45.4)	
Cresol (D026)	N.A.		1*	4	D026	B	100 (45.4)	
2,4-D (D016)	N.A.		100	1, 4	D016	B	100 (45.4)	
1,4-Dichlorobenzene (D027)	N.A.		100	1, 2, 4	D027	B	100 (45.4)	
1,2-Dichloroethane (D028)	N.A.		5,000	1, 2, 4	D028	B	100 (45.4)	
1,1-Dichloroethylene (D029)	N.A.		5,000	1, 2, 4	D029	B	100 (45.4)	
2,4-Dinitrotoluene (D030)	N.A.		1,000	1, 2, 4	D030	A	10 (4.54)	
Endrin (D012)	N.A.		1	1, 4	D012	X	1 (0.454)	
Heptachlor (and epoxide) (D031)	N.A.		1	1, 2, 4	D031	X	1 (0.454)	
Hexachlorobenzene (D032)	N.A.		1*	2, 4	D032	A	10 (4.54)	
Hexachlorobutadiene (D033)	N.A.		1*	2, 4	D033	X	1 (0.454)	
Hexachloroethane (D034)	N.A.		1*	2, 4	D034	B	100 (45.4)	
Lead (D008)	N.A.		1*	4	D008	A	10 (4.54)	
Lindane (D013)	N.A.		1	1, 4	D013	X	1 (0.454)	
Mercury (D009)	N.A.		1*	4	D009	X	1 (0.454)	
Methoxychlor (D014)	N.A.		1	1, 4	D014	X	1 (0.454)	
Methyl ethyl ketone (D035)	N.A.		1*	4	D035	D	5,000 (2270)	
Nitrobenzene (D036)	N.A.		1,000	1, 2, 4	D036	C	1,000 (454)	
Pentachlorophenol (D037)	N.A.		10	1, 2, 4	D037	A	10 (4.54)	
Pyridine (D038)	N.A.		1*	4	D038	C	1,000 (454)	

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Selenium (D010)	N.A.		*1	4	D010	A	10 (4.54)
Silver (D011)	N.A.		*1	4	D011	X	1 (0.454)
Tetrachloroethylene (D039)	N.A.		*1	2, 4	D039	B	100 (45.4)
Toxaphene (D015)	N.A.		1	1, 4	D015	X	1 (0.454)
Trichloroethylene (D040)	N.A.		1000	1, 2, 4	D040	B	100 (45.4)
2,4,5-Trichlorophenol (D041)	N.A.		10	1, 4	D041	A	10 (4.54)
2,4,6-Trichlorophenol (D042)	N.A.		10	1, 2, 4	D042	A	10 (4.54)
2,4,5-TP (D017)	N.A.		100	1, 4	D017	B	100 (45.4)
Vinyl chloride (D043)	N.A.		*1	2, 3, 4	D043	X	1 (0.454)
Unlisted Hazardous Wastes Characteristic of Ignitability	N.A.		*1	4	D001	B	100 (45.4)
Unlisted Hazardous Wastes Characteristic of Reactivity	N.A.		*1	4	D003	B	100 (45.4)
Uracil mustard	66751	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	*1	4	U237	A	10 (4.54)
Uranyl acetate	541093		5000	1		B	100 (45.4)
Uranyl nitrate	10102064		5000	1		B	100 (45.4)
	36478769						
Urea, N-ethyl-N-nitroso-	759739	N-Nitroso-N-ethylurea	*1	4	U176	X	1 (0.454)
Urea, N-methyl-N-nitroso	684935	N-Nitroso-N-methylurea	*1	3,4	U177	X	1 (0.454)
Urethane	51796	Carbamic acid, ethyl ester Ethyl carbamate	*1	3,4	U236	B	100 (45.4)
Vanadic acid, ammonium salt	7803556	Ammonium vanadate	*1	4	P119	C	1000 (454)
Vanadium oxide V ₂ O ₅	1314621	Vanadium pentoxide	1000	1,4	P120	C	1000 (454)
Vanadium pentoxide	1314621	Vanadium oxide V ₂ O ₅	1000	1,4	P120	C	1000 (454)
Vanadyl sulfate	27774136		1000	1		C	1000 (454)
Vinyl acetate	106054	Vinyl acetate monomer	1000	1,3		D	5000 (2270)
Vinyl acetate monomer	106054	Vinyl acetate	1000	1,3		D	5000 (2270)
Vinylamine, N-methyl-N-nitroso-	4549400	N-Nitrosomethylvinylamine	*1	4	P084	A	10 (4.54)
Vinyl bromide	593602		*1	3		B	100 (45.4)
Vinyl chloride	75014	Ethene, chloro-	*1	2,3,4	U043	X	1 (0.454)
Vinylidene chloride	75354	1,1-Dichloroethylene Ethene, 1,1-dichloro-	5000	1,2,3,4	U078	B	100 (45.4)
Warfarin, & salts, when present at concentrations greater than 0.3%	81812	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3%	*1	4	P001	B	100 (45.4)
Xylene	1330207	Benzene, dimethyl- Xylene (mixed) Xylenes (isomers and mixture)	1000	1,3,4	U239	B	100 (45.4)
m-Xylene	108383	Benzene, m-dimethyl-	*1	3		C	1000 (454)
o-Xylene	95476	Benzene, o-dimethyl-	*1	3		C	1000 (454)
p-Xylene	106423	Benzene, p-dimethyl-	*1	3		B	100 (45.4)

Xylene (mixed)	1330207	Benzene, dimethyl- Xylene	1000	1,3,4	U239	B	100 (45.4)
Xylenes (isomers and mixture)	1330207	Xylenes (isomers and mixture) Benzene, dimethyl- Xylene Xylene (mixed)	1000	1,3,4	U239	B	100 (45.4)
Xylenol	1300716		1000	1		C	1000 (454)
Yohimban-16-carboxylic acid,11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester (3beta,16beta,17alpha,18beta,20alpha)-	50555	Reserpine	1*	4	U200	D	5000 (2270)
Zinc fl	7440666		1*	2		C	1000 (454)
ZINC AND COMPOUNDS	N.A.		1*	2			**
Zinc acetate	557346		1000	1		C	1000 (454)
Zinc ammonium chloride	52628258		5000	1		C	1000 (454)
	14639975						
	14639986						
Zinc, bis(dimethylcarbamodithioato-S,S'), (Ziram)	137304		1*	4	P205		##
Zinc borate	1332076		1000	1		C	1000 (454)
Zinc bromide	7699458		5000	1		C	1000 (454)
Zinc carbonate	3486359		1000	1		C	1000 (454)
Zinc chloride	7646857		5000	1		C	1000 (454)
Zinc cyanide	557211	Zinc cyanide Zn(CN)2	10	1,4	P121	A	10 (4.54)
Zinc cyanide Zn(CN)2	557211	Zinc cyanide	10	1,4	P121	A	10 (4.54)
Zinc fluoride	7783495		1000	1		C	1000 (454)
Zinc formate	557415		1000	1		C	1000 (454)
Zinc hydrosulfite	7779864		1000	1		C	1000 (454)
Zinc nitrate	7779886		5000	1		C	1000 (454)
Zinc phenosulfonate	127622		5000	1		D	5000 (2270)
Zinc phosphide	1314847	Zinc phosphide Zn ₃ P ₂ , when present at concentrations greater than 10%.	1000	1,4	P122	B	100 (45.4)
Zinc phosphide Zn ₃ P ₂ , when present at concentrations greater than 10%.	1314847	Zinc phosphide	1000	1,4	P122	B	100 (45.4)
Zinc silicofluoride	16871719		5000	1		D	5000 (2270)
Zinc sulfate	7733020		1000	1		C	1000 (454)
Zirconium nitrate	13746899		5000	1		D	5000 (2270)
Zirconium potassium fluoride	16923958		5000	1		C	1000 (454)
Zirconium sulfate	14644612		5000	1		D	5000 (2270)
Zirconium tetrachloride	10026116		5000	1		D	5000 (2270)
F001			1*	4	F001	A	10 (4.54)
The following spent halogenated solvents used in degreasing; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures							
(a) Tetrachloroethylene	127184		1*	2,4	U210	B	100 (45.4)
(b) Trichloroethylene	79016		1000	1,2,4	U228	B	100 (45.4)
(c) Methylene chloride	75092		1*	2,4	U080	C	1000 (454)
(d) 1,1,1-Trichloroethane	71556		1*	2,4	U226	C	1000 (454)
(e) Carbon tetrachloride	56235		5000	1,2,4	U211	A	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

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Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
(f) Chlorinated fluorocarbons	N.A.					D	5000 (2270)
F002			1*	4	F002	A	10 (4.54)
The following spent halogenated solvents; all spent solvent mixtures/ blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures							
(a) Tetrachloroethylene	127164		1*	2,4	U210	B	100 (45.4)
(b) Methylene chloride	75092		1*	2,4	U080	C	1000 (454)
(c) Trichloroethylene	79016		1000	1,2,4	U228	B	100 (45.4)
(d) 1,1,1-Trichloroethane	71556		1*	2,4	U226	C	1000 (45.4)
(e) Chlorobenzene	108907		100	1,2,4	U037	B	100 (45.4)
(f) 1,1,2-Trichloro-1,2,2-trifluoroethane	76131					D	5000 (2270)
(g) o-Dichlorobenzene	95501		100	1,2,4	U070	B	100 (45.4)
(h) Trichlorofluoromethane	75694		1*	4	U121	D	5000 (2270)
(i) 1,1,2-Trichloroethane	79005		1*	2,4	U227	B	100 (45.4)
F003			1*	4	F003	B	100 (45.4)
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:							
(a) Xylene	1330207					C	1000 (454)
(b) Acetone	67641					D	5000 (2270)
(c) Ethyl acetate	141786					D	5000 (2270)
(d) Ethylbenzene	100414					C	1000 (45.4)
(e) Ethyl ether	60297					B	100 (45.4)
(f) Methyl isobutyl ketone	108101					D	5000 (2270)
(g) n-Butyl alcohol	71363					D	5000 (2270)
(h) Cyclohexanone	108941					D	5000 (2270)
(i) Methanol	67561					D	5000 (2270)
F004			1*	4	F004	B	100 (45.4)
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:							
(a) Cresols/Cresylic acid	1319773		1000	1,3,4	U052	B	100(45.4)
(b) Nitrobenzene	98953		1000	1,2,4	U169	C	1000 (454)
F005			1*	4	F005	B	100 (45.4)
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:							
(a) Toluene	108883		1000	1,2,4	U220	C	1000 (454)
(b) Methyl ethyl ketone	78933		1*	4	U159	D	5000 (2270)
(c) Carbon disulfide	75150		5000	1,4	P022	B	100 (45.4)
(d) Isobutanol	78831		1*	4	U140	D	5000 (2270)
(e) Pyridine	110861		1*	4	U196	C	1000 (454)

F006 Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum, (2) tin plating on carbon steel, (3) zinc plating (segregated basis) on carbon steel, (4) aluminum or zinc-aluminum plating on carbon steel, (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel, and (6) chemical etching and milling of aluminum.			1*	4	F006	A	10 (4.54)
F007 Spent cyanide plating bath solutions from electroplating operations.			1*	4	F007	A	10 (4.54)
F008 Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.			1*	4	F008	A	10 (4.54)
F009 Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.			1*	4	F009	A	10 (4.54)
F010 Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.			1*	4	F010	A	10 (4.54)
F011 Spent cyanide solution from salt bath pot cleaning from metal heat treating operations.			1*	4	F011	A	10 (4.54)
F012 Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process.			1*	4	F012	A	10 (4.54)
F019 Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.			1	4	F019	A	10 (4.54)
F020 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.)			1*	4	F020	X	1 (0.454)
F021 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives.			1*	4	F021	X	1 (0.454)
F022 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.			1*	4	F022	X	1 (0.454)
F023			1*	4	F023	X	1 (0.454)

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TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RO	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexa-chlorophene from highly purified 2,4,5-tri-chlorophenol.)							
F024			1*	4	F024	X	1 (0.454)
Wastes, including but not limited to distillation residues, heavy ends, tars, and reactor cleanout wastes, from the production of chlorinated aliphatic hydrocarbons, having carbon content from one to five, utilizing free radical catalyzed processes. (This listing does not include light ends, spent filters and filter aids, spent desiccants(sic), wastewater, wastewater treatment sludges, spent catalysts, and wastes listed in § 261.32.)							
F025			1*	4	F025	X	1 (0.454)
Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.							
F026			1*	4	F026	X	1 (0.454)
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.							
F027			1*	4	F027	X	1 (0.454)
Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-tri-chlorophenol as the sole component.)							
F028			1*	4	F028	X	1 (0.454)
Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027.							
F032			1*	4	F032	X	1(0.454)

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<p>Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with § 261.35 of this chapter or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e., F034 or F035), and where the generator does not resume or initiate use of chlorophenolic formulations). This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.</p>		1*	4	F034	X	1(0.454)
<p>F034 Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.</p>		1*	4	F035	X	1(0.454)
<p>F035 Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.</p>		1*	4	F037	X	1 (0.454)
<p>F037 Petroleum refinery primary oil/water/solids separation sludge—Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in § 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing.</p>		1*	4	F038	X	1 (0.454)
<p>F038 are not included in this listing.</p>		1*	4	F038	X	1 (0.454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Petroleum refinery secondary (emulsified) oil/water/solids separation sludge—Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from once-through non-contact cooling waters segregated for treatment from other process or oil cooling wastes, sludges and floats generated in aggressive biological treatment units as defined in §261.31(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and F037, K048, and K051 wastes are not included in this listing.							
K001 Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.			1*	4	K001	X	1 (0.454)
K002 Wastewater treatment sludge from the production of chrome yellow and orange pigments.			1*	4	K002	A	10 (4.54)
K003 Wastewater treatment sludge from the production of molybdate orange pigments.			1*	4	K003	A	10 (4.54)
K004 Wastewater treatment sludge from the production of zinc yellow pigments.			1*	4	K004	A	10 (4.54)
K005 Wastewater treatment sludge from the production of chrome green pigments.			1*	4	K005	A	10 (4.54)
K006 Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).			1*	4	K006	A	10 (4.54)
K007 Wastewater treatment sludge from the production of iron blue pigments.			1*	4	K007	A	10 (4.54)
K008 Oven residue from the production of chrome oxide green pigments.			1*	4	K008	A	10 (4.54)
K009			1*	4	K009	A	10 (4.54)

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Distillation bottoms from the production of acetaldehyde from ethylene. K010			1*	4	K010	A	10 (4.54)
Distillation side cuts from the production of acetaldehyde from ethylene. K011			1*	4	K011	A	10 (4.54)
Bottom stream from the wastewater stripper in the production of acrylonitrile. K013			1*	4	K013	A	10 (4.54)
Bottom stream from the acetonitrile column in the production of acrylonitrile. K014			1*	4	K014	D	5000 (2270)
Bottoms from the acetonitrile purification column in the production of acrylonitrile. K015			1*	4	K015	A	10 (4.54)
Still bottoms from the distillation of benzyl chloride. K016			1*	4	K016	X	1 (0.454)
Heavy ends or distillation residues from the production of carbon tetrachloride. K017			1*	4	K017	A	10 (4.54)
Heavy ends (still bottoms) from the purification column in the production of epi-chlorohydrin. K018			1*	4	K018	X	1 (0.454)
Heavy ends from the fractionation column in ethyl chloride production. K019			1*	4	K019	X	1 (0.454)
Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production. K020			1*	4	K020	X	1 (0.454)
Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production. K021			1*	4	K021	A	10 (4.54)
Aqueous spent antimony catalyst waste from fluoromethanes production. K022			1*	4	K022	X	1 (0.454)
Distillation bottom tars from the production of phenol/acetone from cumene. K023			1*	4	K023	D	5000 (2270)
Distillation light ends from the production of phthalic anhydride from naphthalene. K024			1*	4	K024	D	5000 (2270)
Distillation bottoms from the production of phthalic anhydride from naphthalene. K025			1*	4	K025	A	10 (4.54)
Distillation bottoms from the production of nitrobenzene by the nitration of benzene. K026			1*	4	K026	C	1000 (454)
Stripping still tails from the production of methyl ethyl pyridines. K027			1*	4	K027	A	10 (4.54)

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TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Category	Pounds (Kg)
Centrifuge and distillation residues from toluene diisocyanate production.							
K028 Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.			1*	4	K028	X	1 (0.454)
K029 Waste from the product steam stripper in the production of 1,1,1-trichloroethane.			1*	4	K029	X	1 (0.454)
K030 Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.			1*	4	K030	X	1 (0.454)
K031 By-product salts generated in the production of MSMA and cacodylic acid.			1*	4	K031	X	1 (0.454)
K032 Wastewater treatment sludge from the production of chlordane.			1*	4	K032	A	10 (4.54)
K033 Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.			1*	4	K033	A	10 (4.54)
K034 Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.			1*	4	K034	A	10 (4.54)
K035 Wastewater treatment sludges generated in the production of creosote.			1*	4	K035	X	1 (0.454)
K036 Still bottoms from toluene reclamation distillation in the production of disulfoton.			1*	4	K036	X	1 (0.454)
K037 Wastewater treatment sludges from the production of disulfoton.			1*	4	K037	X	1 (0.454)
K038 Wastewater from the washing and stripping of phorate production.			1*	4	K038	A	10 (4.54)
K039 Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.			1*	4	K039	A	10 (4.54)
K040 Wastewater treatment sludge from the production of phorate.			1*	4	K040	A	10 (4.54)
K041 Wastewater treatment sludge from the production of toxaphene.			1*	4	K041	X	1 (0.454)

K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.	1*	4	K042	A	10 (4.54)
K043	2,6-Dichlorophenol waste from the production of 2,4-D.	1*	4	K043	A	10 (4.54)
K044	Wastewater treatment sludges from the manufacturing and processing of explosives.	1*	4	K044	A	10 (4.54)
K045	Spent carbon from the treatment of wastewater containing explosives.	1*	4	K045	A	10 (4.54)
K046	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.	1*	4	K046	A	10 (4.54)
K047	Pink/red water from TNT operations.	1*	4	K047	A	10 (4.54)
K048	Dissolved air flotation (DAF) float from the petroleum refining industry.	1*	4	K048	A	10 (4.54)
K049	Stop oil emulsion solids from the petroleum refining industry.	1*	4	K049	A	10 (4.54)
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.	1*	4	K050	A	10 (4.54)
K051	API separator sludge from the petroleum refining industry.	1*	4	K051	A	10 (4.54)
K052	Tank bottoms (leaded) from the petroleum refining industry.	1*	4	K052	A	10 (4.54)
K060	Ammonia still lime sludge from coking operations.	1*	4	K060	X	1 (0.454)
K061	Emission control dust/sludge from the primary production of steel in electric furnaces.	1*	4	K061	A	10 (4.54)
K062	Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332).	1*	4	K062	A	10 (4.54)
K064	Acid plant blowdown slurry/sludge resulting from thickening of blowdown slurry from primary copper production.	1*	4	K064	A	10 (4.54)
K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.	1*	4	K065	A	10 (4.54)
K066	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.	1*	4	K066	A	10 (4.54)
K069	Emission control dust/sludge from secondary lead smelting.	1*	4	K069	A	10 (4.54)

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TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
K071 Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.			1*	4	K071	X	1 (0.454)
K073 Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.			1*	4	K073	A	10 (4.54)
K083 Distillation bottoms from aniline extraction.			1*	4	K083	B	100 (45.4)
K084 Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.			1*	4	K084	X	1 (0.454)
K085 Distillation or fractionation column bottoms from the production of chlorobenzenes.			1*	4	K085	A	10 (4.54)
K086 Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.			1*	4	K086	A	10 (4.54)
K087 Decanter tank tar sludge from coking operations.			1*	4	K087	B	100 (45.4)
K088 Spent potliners from primary aluminum reduction.			1*	4	K088	A	10 (4.54)
K090 Emission control dust or sludge from ferrochromiumsilicon production.			1*	4	K090	A	10 (4.54)
K091 Emission control dust or sludge from ferrochromium production.			1	4	K091	A	10 (4.54)
K093 Distillation light ends from the production of phthalic anhydride from ortho-xylene.			1*	4	K093	D	5000 (2270)
K094 Distillation bottoms from the production of phthalic anhydride from ortho-xylene.			1*	4	K094	D	5000 (2270)
K095 Distillation bottoms from the production of 1,1,1-trichloroethane.			1*	4	K095	B	100 (45.4)
K096			1*	4	K096	B	100 (45.4)

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Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.						
K097 Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.			1*	4	K097	X 1 (0.454)
K098 Untreated process wastewater from the production of toxaphene.			1*	4	K098	X 1 (0.454)
K099 Untreated wastewater from the production of 2,4-D.			1*	4	K099	A 10 (4.54)
K100 Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.			1*	4	K100	A 10 (4.54)
K101 Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.			1*	4	K101	X 1 (0.454)
K102 Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.			1*	4	K102	X 1 (0.454)
K103 Process residues from aniline extraction from the production of aniline.			1*	4	K103	B 100 (45.4)
K104 Combined wastewater streams generated from nitrobenzene/aniline production.			1*	4	K104	A 10 (4.54)
K105 Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.			1*	4	K105	A 10 (4.54)
K106 Wastewater treatment sludge from the mercury cell process in chlorine production.			1*	4	K106	X 1 (0.454)
K107 Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazines.			10	4	K107	X 10 (4.54)
K108 Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.			10	4	K108	X 10 (4.54)
K109 Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.			10	4	K109	X 10 (4.54)
K110 Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.			10	4	K110	X 10 (4.54)
K111 			1*	4	K111	A 10 (4.54)

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TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued
 [Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Product washwaters from the production of dinitrotoluene via nitration of toluene.							
K112 Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.			1*	4	K112	A	10 (4.54)
K113 Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.			1*	4	K113	A	10 (4.54)
K114 Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.			1*	4	K114	A	10 (4.54)
K115 Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.			1*	4	K115	A	10 (4.54)
K116 Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.			1*	4	K116	A	10 (4.54)
K117 Wastewater from the reaction vent gas scrubber in the production of ethylene bromide via bromination of ethene.			1*	4	K117	X	1 (0.454)
K118 Spent absorbent solids from purification of ethylene dibromide in the production of ethylene dibromide.			1*	4	K118	X	1 (0.454)
K123 Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.			1*	4	K123	A	10 (4.54)
K124 Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.			1*	4	K124	A	10 (4.54)
K125 Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.			1*	4	K125	A	10 (4.54)
K126 Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.			1*	4	K126	A	10 (4.54)
K131			100	4	K131	X	100 (45.4)

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Wastewater from the reactor and spent sulfuric acid from the acid dryer in the production of methyl bromide.						
K132		1000	4	K132	X	1000 (454)
Spent absorbent and wastewater solids from the production of methyl bromide.						
K136		1*	4	K136	X	1 (0.454)
Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.						
K140		1*	4	K140	B	** 100 (45.4)
Floor sweepings, off-specification product and spent filter media from the production of 2,4,6-tribromophenol.						
K141		1*	4	K141	X	1 (0.454)
Process related from the recovery of coal tar, including, but not limited to, tar collecting sump residues from the production of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludge from coking operations.).						
K142		1*	4	K142	X	1 (0.454)
Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.						
K143		1*	4	K143	X	1 (0.454)
Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.						
K144		1*	4	K144	X	1 (0.454)
Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.						
K145		1*	4	K145	X	1 (0.454)
Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.						
K147		1*	4	K147	X	1 (0.454)
Tar storage tank residues from coal tar refining.						
K148		1*	4	K148	X	1 (0.454)
Residues from coal tar distillation, including, but not limited to, still bottoms.						
K149		1*	4	K149	A	10 (4.54)
Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. [This waste does not include still bottoms from the distillation of benzyl chloride.]						
K150		1*	4	K150	A	10 (4.54)
Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.						

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code I	RCRA waste Number	Cat-egory	Pounds (Kg)
K151 Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.			1*	4	K151	A	10 (4.54)
K156 Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.).			1*	4	K156		##
K157 Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.).			1*	4	K157		##
K158 Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.).			1*	4	K158		##
K159 Organics from the treatment of thiocarbamate wastes.			1*	4	K159		##
K161 Purification solids (including filtration, evaporation, and centrifugation solids), bag house dust, and floor sweepings from the production of dithiocarbamate acids and their salts (This listing does not include K125 or K126.).			1*	4	K161		##
K169 ^f Crude oil storage tank sediment from petroleum refining operations.			1*	4	K169	A	10(4.54)
K170 ^f Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.			1*	4	K170	X	1 (0.454)
K171 ^f Spent hydrotreating catalyst from petroleum refining operations. (This listing does not include inert support media.)			1*	4	K171	X	1 (0.454)
K172 ^f			1*	4	K172	X	1 (0.454)

Spent hydrorefining catalyst from petroleum refining operations. (This listing does not include inert support media.)

† Indicates the statutory source as defined by 1, 2, 3, and 4 below.

†† No reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is equal to or exceeds 100 micrometers (0.004 inches).

††† The RQ for asbestos is limited to friable forms only.

1—indicates that the statutory source for designation of this hazardous substance under CERCLA is CWA Section 311(b)(4).

2—indicates that the statutory source for designation of this hazardous substance under CERCLA is CWA Section 307(a).

3—indicates that the statutory source for designation of this hazardous substance under CERCLA is CAA Section 112.

4—Indicates that the statutory source for designation of this hazardous substance under CERCLA is RCRA Section 3001.

1*—indicates that the 1-pound RQ is a CERCLA statutory RQ.

Indicates that the RQ is subject to change when the assessment of potential carcinogenicity is completed.

The Agency may adjust the statutory RQ for this hazardous substance in a future rulemaking; until then the statutory RQ applies.

§—The adjusted RQs for radionuclides may be found in appendix B to this table.

**—indicates that no RQ is being assigned to the generic or broad class.

*Benzene was already a CERCLA hazardous substance prior to the CAA Amendments of 1990 and received an adjusted 10-pound RQ based on potential carcinogenicity in an August 14, 1989, final rule (54 FR 33418). The CAA Amendments specify that "benzene (including benzene from gasoline)" is a hazardous air pollutant and, thus, a CERCLA hazardous substance.

^b The CAA Amendments of 1990 list DDE (3547-04-4) as a CAA hazardous air pollutant. The CAS number, 3547-04-4, is for the chemical, p,p'-dichlorodiphenylethane. DDE or p,p'-dichlorodiphenyldichloroethylene, CAS number 72-55-9, is already listed in table 302.4 with a final RQ of 1 pound. The substance identified by the CAS number 3547-04-4 has been evaluated and listed as DDE to be consistent with the CAA section 112 listing, as amended.

^c Includes mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers (or other mineral derived fibers) of average diameter 1 micrometer or less.

^d Includes mono- and di-ethers of ethylene glycol, diethylene glycol, and triethylene glycol R-(OCH₂CH₂)_n-OR' where

n=1, 2, or 3

R=alkyl or aryl groups

R'=R, H, or groups which, when removed, yield glycol ethers with the structure: R-(OCH₂CH₂)_n-OH. Polymers are excluded from the glycol category.

^e Includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to 100 °C.

^f See 40 CFR 302.6(b)(1) for application of the mixture rule to this hazardous waste.

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APPENDIX A TO § 302.4—SEQUENTIAL CAS
REGISTRY NUMBER LIST OF CERCLA HAZ-
ARDOUS SUBSTANCES

CASRN	Hazardous substance
50000	Formaldehyde.
50077	Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione,6-amino-8-[[[aminocarbonyloxy]methyl]-1,1a,2,6,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8aalpha,8baipha)]-Mitomycin C.
50180	Cyclophosphamide. 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide.
50293	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- DDT. 4,4'-DDT.
50328	Benzo[a]pyrene. 3,4-Benzopyrene.
50555	Reserpine. Yohimban-16-carboxylic acid,11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyloxy)-, methyl ester (3beta, 16beta,17alpha,18beta,20alpha)-
51285	Phenol, 2,4-dinitro-. 2,4-Dinitrophenol.
51434	Epinephrine. 1,2-Benzenediol,4-[1-hydroxy-2-(methylamino)ethyl]-.
51796	Carbamic acid, ethyl ester. Ethyl carbamate. Urethane.
52686	Trichlorfon.
52857	Famphur. Phosphorothioic acid, O,[4-[[dimethyl- amino) sulfonyl]phenyl]O,O-dimethyl ester.
53703	Dibenz[a,h]anthracene. Dibenzo[a,h]anthracene. 1,2,5,6-Dibenzanthracene.
53963	Acetamide, N-9H-fluoren-2-yl-. 2-Acetylaminofluorene.
54115	Nicotine, & salts. Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-.
55185	Ethanamine, N-ethyl-N-nitroso-. N-Nitrosodiethylamine.
55630	Nitroglycerine. 1,2,3-Propanetriol, trinitrate-.
55914	Diisopropylfluorophosphate. Phosphorofluoric acid, bis(1-methyl- ethyl) ester.
56042	Methylthiouacil. 4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-.
56235	Carbon tetrachloride. Methane, tetrachloro-. Parathion.
56382	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester.
56495	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-. 3-Methylcholanthrene.
56531	Diethylstilbestrol. Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E).
56553	Benz[a]anthracene. Benzo[a]anthracene. 1,2-Benzanthracene.
56724	Coumaphos.
57125	Cyanides (soluble salts and complexes) not otherwise specified.
57147	Hydrazine, 1,1-dimethyl-. 1,1-Dimethylhydrazine.
57249	Strychnidin-10-one. Strychnine, & salts.

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APPENDIX A TO § 302.4—SEQUENTIAL CAS
REGISTRY NUMBER LIST OF CERCLA HAZ-
ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
57476	Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)- (Physostigmine).
57647	Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1) (Physostigmine salicylate).
57749	Chlordane. Chlordane, alpha & gamma isomers. CHLORDANE (TECHNICAL MIXTURE AND METABOLITES). 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-.
57976	1,2-Benzanthracene, 7,12-dimethyl-. 7,12-Dimethylbenz[a]anthracene.
58899	γ-BHC. Cyclohexane, 1,2,3,4,5,6-hexachloro (1α,2α,3β,4α,5α,6β)-. Hexachlorocyclohexane (gamma isomer). Lindane. Lindane (all isomers).
58902	Phenol, 2,3,4,6-tetrachloro-. 2,3,4,6-Tetrachlorophenol.
59507	p-Chloro-m-cresol. Phenol, 4-chloro-3-methyl-. 4-Chloro-m-cresol.
60004	Ethylenediamine-tetraacetic acid (EDTA).
60117	Benzenamine, N,N-dimethyl-4-(phenylazo)-. Dimethyl aminoazobenzene. p-Dimethylaminoazobenzene.
60297	Ethane, 1,1'-oxybis-. Ethyl ether.
60344	Hydrazine, methyl-. Methyl hydrazine.
60515	Dimethoate. Phosphorodithioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester.
60571	Dieldrin. 2,7,3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2, 2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta, 6aalpha,7beta, 7aalpha)-.
61825	Amitrole. 1H-1,2,4-Triazol-3-amine.
62384	Mercury, (acetato-O)phenyl-. Phenylmercury acetate.
62442	Acetamide, N-(4-ethoxyphenyl)-. Phenacetin.
62500	Ethyl methanesulfonate. Methanesulfonic acid, ethyl ester.
62523	Aniline. Benzenamine.
62555	Ethaneithioamide. Thioacetamide.
62566	Thiourea.
62737	Dichlorvos.
62748	Acetic acid, fluoro-, sodium salt. Fluoroacetic acid, sodium salt.
62759	Methanamine, N-methyl-N-nitroso-. N-Nitrosodimethylamine.
63252	Carbaryl.
64006	Phenol, 3-(1-methylethyl)-, methyl carbamate (m-Cumenyl methylcarbamate).
64186	Formic acid.
64197	Acetic acid.
65850	Benzoic acid.
66751	Uracil mustard.

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APPENDIX A TO §302.4—SEQUENTIAL CAS
REGISTRY NUMBER LIST OF CERCLA HAZ-
ARDOUS SUBSTANCES—Continued

APPENDIX A TO §302.4—SEQUENTIAL CAS
REGISTRY NUMBER LIST OF CERCLA HAZ-
ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
67561	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl) amino]-. Methanol.
67641	Methyl alcohol. Acetone.
67663	2-Propanone. Chloroform.
67721	Methane, trichloro-. Ethane, hexachloro-. Hexachloroethane.
70257	Guanidine, N-methyl-N'-nitro-N-nitroso-. MNNG.
70304	Hexachlorophene.
71363	Phenol, 2,2'-methylenebis[3,4,6-tri-chloro-. n-Butyl alcohol. 1-Butanol.
71432	Benzene.
71556	Ethane, 1,1,1-trichloro-. Methyl chloroform. 1,1,1-Trichloroethane.
72208	Endrin. Endrin, & metabolites. 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octa-hydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)-.
72435	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-. Methoxychlor.
72548	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-. DDD. TDE. 4,4' DDD. DDE.
72559	DDE. 4,4'-DDE.
72571	Trypan blue. 2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-tetrasodium salt.
74839	Bromomethane. Methane, bromo-. Methyl bromide.
74873	Chloromethane. Methane, chloro-. Methyl chloride.
74884	Iodomethane. Methane, iodo-. Methyl iodide.
74895	Monoethylamine.
74908	Hydrocyanic acid.
74931	Hydrogen cyanide. Methanethiol. Methylmercaptan. Thiomethanol.
74953	Methane, dibromo-. Methylene bromide.
75003	Chloroethane. Ethyl chloride.
75014	Ethene, chloro-. Vinyl chloride.
75047	Monoethylamine.
75058	Acetonitrile.
75070	Acetaldehyde. Ethanal.
75092	Dichloromethane. Methane, dichloro-. Methylene chloride.
75150	Carbon disulfide.

CASRN	Hazardous substance
75207	Calcium carbide.
75218	Ethylene oxide. Oxirane.
75252	Bromoform. Methane, tribromo-. 75274 Dichlorobromomethane.
75343	Ethane, 1,1-dichloro-. Ethylidene dichloride. 1,1-Dichloroethane.
75354	Ethene, 1,1-dichloro-. Vinylidene chloride. 1,1-Dichloroethylene.
75365	Acetyl chloride.
75445	Carbonic dichloride. Phosgene.
75503	Trimethylamine.
75558	Aziridine, 2-methyl-. 2-Methyl aziridine. 1,2-Propylamine.
75569	Propylene oxide.
75605	Arsinic acid, dimethyl-. Cacodylic acid. tert-Butylamine.
75649	tert-Butylamine.
75694	Methane, trichlorofluoro-. Trichloromonofluoromethane.
75718	Dichlorodifluoromethane. Methane, dichlorodifluoro-. 75865 Acetone cyanohydrin. Propanenitrile, 2-hydroxy-2-methyl-. 2-Methylacetonitrile.
75876	Acetaldehyde, trichloro-. Chloral. 75990 2,2-Dichloropropionic acid. 76017 Ethane, pentachloro-. Pentachloroethane.
764.8	Haptachlor. 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-. 77474 Hexachlorocyclopentadiene. 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexa-chloro-. 77781 Dimethyl sulfate. Sulfuric acid, dimethyl ester.
78002	Plumbane, tetraethyl-. Tetraethyl lead. 78591 Isophorone. 78795 Isoprene. 78819 iso-Butylamine. 78831 Isobutyl alcohol. 1-Propanol, 2-methyl-. 78875 Propane, 1,2-dichloro-. Propylene dichloride. 1,2-Dichloropropane. 78886 2,3-Dichloropropene. 78933 2-Butanone. MEK. Methyl ethyl ketone. 78999 1,1-Dichloropropane. 79005 Ethane, 1,1,2-trichloro-. 1,1,2-Trichloroethane. 79016 Ethene, trichloro-. Trichloroethene. Trichloroethylene-. 79061 Acrylamide. 2-Propenamide. 79094 Propionic acid. 79137 Acrylic acid. 79196 2-Propenoic acid. Hydrazinecarbothioamide. Thiourea. 79221 Carbonochloridic acid, methyl ester.

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APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued

APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
	Methyl chlorocarbonate.
79312	Methyl chloroformate.
79345	iso-Butyric acid.
79447	Ethane, 1,1,2,2-tetrachloro-1,1,2,2-Tetrachloroethane.
79469	Carbamic chloride, dimethyl-. Dimethylcarbamoyl chloride.
80159	Propane, 2-nitro-. 2-Nitropropane.
80626	alpha, alpha-Dimethylbenzylhydroperoxide. Hydroperoxide, 1-methyl-1-phenylethyl-. Methyl methacrylate.
81072	2-Propenoic acid, 2-methyl-, methyl ester. Saccharin and salts.
81812	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide. Warfarin, & salts, when present at concentrations greater than 0.3%. 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3%.
82688	Benzene, pentachloronitro-. PCNB.
83329	Pentachloronitrobenzene. Quintobenzene.
84662	Acenaphthene. Diethyl phthalate.
84742	1,2-Benzenedicarboxylic acid, diethyl ester. Di-n-butyl phthalate. Dibutyl phthalate. n-Butyl phthalate.
85007	1,2-Benzenedicarboxylic acid, dibutyl ester. Diquat.
85018	Phenanthrene.
85449	Phthalic anhydride.
85687	1,3-Isobenzofurandione. Butyl benzyl phthalate.
86306	N-Nitrosodiphenylamine.
86500	Cuthion.
86737	Fluorene.
86884	alpha-Naphthylthiourea. Thiourea, 1-naphthalenyl-.
87650	Phenol, 2,6-dichloro-. 2,6-Dichlorophenol.
87683	Hexachlorobutadiene.
87865	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-. Pentachlorophenol.
88062	Phenol, pentachloro-. Phenol, 2,4,6-trichloro-. 2,4,6-Trichlorophenol.
88722	o-Nitrotoluene.
88755	o-Nitrophenol.
88857	2-Nitrophenol. Dinoseb.
91087	Phenol, 2-(1-methylpropyl)-4,6-dinitro-. Benzene, 1,3-diisocyanatomethyl-. Toluene diisocyanate.
91203	2,4-Toluene diisocyanate.
91225	Naphthalene.
91587	Quinoline. beta-Chloronaphthalene. Naphthalene, 2-chloro-. 2-Chloronaphthalene.
91598	beta-Naphthylamine. 2-Naphthalenamine.
91805	Methapyrilene. 1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-.
91941	[1,1'-Biphenyl]-4,4'-diamine,3,3'-dichloro-. 3,3'-Dichlorobenzidine.
92875	Benzidine.

CASRN	Hazardous substance
93721	[1,1'-Biphenyl]-4,4'-diamine. Propionic acid, 2-(2,4,5-trichlorophenoxy)-. Silvex (2,4,5-TP). 2,4,5-TP acid.
93765	Acetic acid, (2,4,5-trichlorophenoxy). 2,4,5-T. 2,4,5-T acid.
93798	2,4,5-T esters.
94111	2,4-D Ester.
94586	Dihydrosofrole.
94597	1,3-Benzodioxole, 5-propyl-. Safrole.
94757	1,3-Benzodioxole, 5-(2-propenyl)-. Acetic acid (2,4-dichlorophenoxy)-, salts & esters.
94791	2,4-D Acid.
94804	2,4-D, salts and esters.
95476	2,4-D Ester.
95476	2,4-D Ester.
95476	o-Benzene, dimethyl. o-Xylene.
95487	o-Cresol. o-Cresylic acid.
95501	Benzene, 1,2-dichloro-. o-Dichlorobenzene.
95534	1,2-Dichlorobenzene. Benzenamine, 2-methyl-. o-Toluidine.
95578	o-Chlorophenol. Phenol, 2-chloro-. 2-Chlorophenol.
95807	Benzenediamine, ar-methyl-. Toluenediamine. 2,4-Toluene diamine.
95943	Benzene, 1,2,4,5-tetrachloro-. 1,2,4,5-Tetrachlorobenzene.
95954	Phenol, 2,4,5-trichloro-. 2,4,5-Trichlorophenol.
96128	Propane, 1,2-dibromo-3-chloro-. 1,2-Dibromo-3-chloropropane.
96184	1,2,3-Trichloropropane.
96457	Ethylenethiourea.
97632	2-Imidazolidinethione. Ethyl methacrylate. 2-Propenoic acid, 2-methyl-, ethyl ester.
98011	Furfural.
98077	2-Furancarboxaldehyde. Benzene, (trichloromethyl)-. Benzoltrichloride.
98099	Benzenesulfonic acid chloride. Benzenesulfonyl chloride.
98828	Benzene, (1-methylethyl)-. Cumene.
98862	Acetophenone.
98873	Ethanone, 1-phenyl-. Benzal chloride. Benzene, dichloromethyl-. Benzoyl chloride.
98884	Benzene, nitro-. Nitrobenzene.
99081	m-Nitrotoluene.
99354	Benzene, 1,3,5-trinitro-. 1,3,5-Trinitrobenzene.
99558	Benzenamine, 2-methyl-5-nitro-. 5-Nitro-o-toluidine.
99650	m-Dinitrobenzene.
99990	p-Nitrotoluene.
100016	Benzenamine, 4-nitro-. p-Nitroaniline.
100027	p-Nitrophenol.

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APPENDIX A TO § 302.4—SEQUENTIAL CAS
REGISTRY NUMBER LIST OF CERCLA HAZ-
ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
	Phenol, 4-nitro-.
	4-Nitrophenol.
100254	p-Dinitrobenzene.
100414	Ethylbenzene.
100425	Styrene.
100447	Benzene, chloromethyl-.
	Benzyl chloride.
100470	Benzonitrile.
100754	N-Nitrosopiperidine.
	Piperidine, 1-nitroso-.
101144	Benzenamine, 4,4'-methylenebis(2-chloro-.
	4,4'-Methylenebis(2-chloroaniline).
101279	Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-
	butynyl ester (Barban).
101553	Benzene, 1-bromo-4-phenoxy-.
	4-Bromophenyl phenyl ether.
103855	Phenylthiourea.
	Thiourea, phenyl-.
105464	sec-Butyl acetate.
105679	Phenol, 2,4-dimethyl-.
	2,4-Dimethylphenol.
106423	p-Benzene, dimethyl.
	p-Xylene.
106445	p-Cresol.
	p-Cresylic acid.
106467	Benzene, 1,4-dichloro-.
	p-Dichlorobenzene.
	1,4-Dichlorobenzene.
106478	Benzenamine, 4-chloro-.
	p-Chloroaniline.
106490	Benzenamine, 4-methyl-.
	p-Toluidine.
106503	Phenylenediamine (para-isomer).
106514	p-Benzoquinone.
	2,5-Cyclohexadiene-1,4-dione.
	Quinone.
106898	1-Chloro-2,3-epoxypropane.
	Epichlorohydrin.
	Oxirane, (chloromethyl)-.
106934	Dibromoethane.
	Ethane, 1,2-dibromo-.
	Ethylene, dibromide.
107028	Acrolein.
	2-Propenal.
107051	Allyl chloride.
107062	Ethane, 1,2-dichloro-.
	Ethylene dichloride.
	1,2-Dichloroethane.
107108	n-Propylamine.
	1-Propanamine.
107120	Ethyl cyanide.
	Propanenitrile.
107131	Acrylonitrile.
	2-Propenenitrile.
107153	Ethylenediamine.
107186	Allyl alcohol.
	2-Propen-1-ol.
107197	Propargyl alcohol.
	2-Propyn-1-ol.
107200	Acetaldehyde, chloro-.
	Chloroacetaldehyde.
107302	Chloromethyl methyl ether.
	Methane, chloromethoxy-.
107493	Diphosphoric acid, tetraethyl ester.
	Tetraethyl pyrophosphate.
107926	Butynoic acid.
108054	Vinyl acetate.
	Vinyl acetate monomer.
108101	Methyl isobutyl ketone.
	4-Methyl-2-pentanone.

APPENDIX A TO § 302.4—SEQUENTIAL CAS
REGISTRY NUMBER LIST OF CERCLA HAZ-
ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
108247	Acetic anhydride.
108316	Maleic anhydride.
	2,5-Furandione.
108383	m-Benzene, dimethyl.
	m-Xylene.
108394	m-Cresol.
	m-Cresylic acid.
108463	Resorcinol.
	1,3-Benzenediol.
108601	Dichloroisopropyl ether.
	Propane, 2,2'-oxybis[2-chloro-.
108883	Benzene, methyl-.
	Toluene.
108907	Benzene, chloro-.
	Chlorobenzene.
108941	Cyclohexanone.
108952	Benzene, hydroxy-.
	Phenol.
108965	Benzenethiol.
	Thiophenol.
109068	Pyridine, 2-methyl-.
	2-Picoline.
109739	Butylamine.
109773	Malononitrile.
	Propanedinitrile.
109897	Diethylamine.
109999	Furan, tetrahydro-.
	Tetrahydrofuran.
110009	Furan.
	Furfuran.
110167	Maleic acid.
110178	Fumaric acid.
110190	iso-Butyl acetate.
110758	Ethene, 2-chloroethoxy-.
	2-Chloroethyl vinyl ether.
110805	Ethanol, 2-ethoxy-.
	Ethylene glycol monoethyl ether.
110827	Benzene, hexahydro-.
	Cyclohexane.
110861	Pyridine.
111444	Bis (2-chloroethyl) ether.
	Dichloroethyl ether.
	Ethane, 1,1'-oxybis[2-chloro-.
111546	Carbamodithioic acid, 1,2-ethanediybis, salts &
	esters.
	Ethylenesdithiocarbamic acid, salts & esters.
111911	Bis(2-chloroethoxy) methane.
	Dichloromethoxy ethane.
	Ethane, 1,1'-[methylenebis(oxy)]bis(2-chloro-.
115026	Azaserine.
	L-Serine, diazoacetate (ester).
115297	Endosulfan.
	6,9-Methano-2,4,3-benzodioxathiepin,
	6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-
	hexahydro-, 3-oxide.
115322	Dicofol.
116063	Aldicarb.
	Propanal, 2-methyl-2-(methylthio)-, 0-
	[(methylamino)carbonyl]oxime.
117606	Dichloro.
117817	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl)
	ester.
	Bis(2-ethylhexyl)phthalate.
	DEHP.
	Diethylhexyl phthalate.
117840	Di-n-octyl phthalate.
	1,2-Benzenedicarboxylic acid, dioctyl ester.
118741	Benzene, hexachloro-.
	Hexachlorobenzene.
118796	2,4,6-Tribromophenol

APPENDIX A TO §302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
119380	Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester (Isolan).
119904	[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy-, 3,3'-Dimethoxybenzidine.
119937	[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethyl-, 3,3'-Dimethylbenzidine.
120127	Anthracene.
120581	Isosafrole.
120521	1,3-Benzodioxole, 5-[1-propenyl]-.
120832	1,2,4-Trichlorobenzene.
120832	Phenol, 2,4-dichloro-.
121142	2,4-Dichlorophenol.
121142	Benzene, 1-methyl-2,4-dinitro-.
121211	2,4-Dinitrotoluene.
121299	Pyrethrins.
121448	Pyrethrins.
121755	Triethylamine.
122098	Malathion.
122394	alpha,alpha-Dimethylphenethylamine.
122429	Benzeneethanamine, alpha,alpha-dimethyl-, Diphenylamine.
122667	Carbamic acid, phenyl-, 1-methylethyl ester (Propham).
123331	Hydrazine, 1,2-diphenyl-, 1,2-Diphenylhydrazine.
123626	Maleic hydrazide.
123637	3,6-Pyridazinedione, 1,2-dihydro-, Propionic anhydride.
123739	Paraldehyde.
123864	1,3,5-Trioxane, 2,4,6-trimethyl-, Crotonaldehyde.
123911	2-Butenal.
123922	Butyl acetate.
124049	1,4-Diethyleneoxide.
124403	1,4-Diethylenedioxiide.
124414	1,4-Dioxane.
124481	iso-Amyl acetate.
126727	Adipic acid.
126987	Dimethylamine.
126998	Methanamine, N-methyl-, Sodium methylate.
127184	Chlorodibromomethane.
127822	Tris(2,3-dibromopropyl) phosphate.
129000	1-Propanol, 2,3-dibromo-, phosphate (3:1).
130154	Methacrylonitrile.
131113	2-Propenitrile, 2-methyl-, 2-Chloro-1,3-butadiene.
131748	Ethene, tetrachloro-, Perchloroethylene.
131895	Tetrachloroethene.
133062	Tetrachloroethylene.
134327	Zinc phenolsulfonate.
137268	Pyrene.
137304	1,4-Naphthalenedione.
140855	1,4-Naphthoquinone.
	Dimethyl phthalate.
	1,2-Benzenedicarboxylic acid, dimethyl ester.
	Ammonium picrate.
	Phenol, 2,4,6-trinitro-, ammonium salt.
	Phenol, 2-cyclohexyl-4,6-dinitro-.
	2-Cyclohexyl-4,6-dinitrophenol.
	Captan.
	alpha-Naphthylamine.
	1-Naphthalenamine.
	Thioperoxydicarbonic diamide ((H2N)C(S)2S2, tetramethyl-.
	Thiram.
	Zinc, bis(dimethylcarbomothioate-S,S)-, (Ziram).
	Ethyl acrylate.

APPENDIX A TO §302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
141786	2-Propenoic acid, ethyl ester.
142289	Acetic acid, ethyl ester.
142712	Ethyl acetate.
142847	1,3-Dichloropropane.
143339	Cupric acetate.
143500	Dipropylamine.
145733	1-Propanamine, N-propyl-, Sodium cyanide.
148823	Sodium cyanide Na(CN).
151508	Kepone.
151564	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-, Endothall.
152169	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid.
152605	L-Phenylalanine, 4-[bis(2-chloroethyl) amino].
152605	Melphalan.
152605	Potassium cyanide.
152605	Potassium cyanide K(CN).
152605	Aziridine.
152605	Ethyleneimine.
152605	Diphosphoramide, octamethyl-, Octamethylpyrophosphoramide.
152605	Ethene, 1,2-dichloro- (E).
152605	1,2-Dichloroethylene.
152605	Benzo [rst]pentaphene.
152605	Dibenz[a,i]pyrene.
152605	Benzo[ghi]perylene.
152605	Indeno(1,2,3-cd)pyrene.
152605	1,10-(1,2-Phenylene)pyrene.
152605	205992 Benzo[b]fluoranthene.
152605	206440 Benzo[j,k]fluorene.
152605	207089 Fluoranthene.
152605	208968 Benzo[k]fluoranthene.
152605	218019 Acenaphthylene.
152605	225514 Chrysene.
152605	297972 1,2-Benzophenanthrene.
152605	297972 Benz[c]acridine.
152605	O,O-Diethyl O-pyrazinyl phosphorothioate.
152605	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester.
152605	298000 Methyl parathion.
152605	Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester.
152605	298022 Phorate.
152605	Phosphorodithioic acid, O,O-diethyl S-(ethythio), methyl ester.
152605	298044 Disulfoton.
152605	Phosphorodithioic acid, O,O-diethyl S-[2-(ethythio)ethyl]ester.
152605	300765 Naled.
152605	301042 Acetic acid, lead(2+) salt.
152605	302012 Lead acetate.
152605	303344 Hydrazine.
152605	Lasiocarpine.
152605	2-Butenoic acid, 2-methyl-, 7[[2,3-dihydroxy-2-(1-methoxyethyl)-3-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha,Z],7(2S*,3R*),7aalpha]].
152605	305033 Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-.
152605	309002 Chlorambucil.
152605	Aldrin.
152605	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1-, 4,4a,5,8,8a-hexahydro-(1alpha,4alpha,4beta,5alpha,8alpha,8beta)-.
152605	311455 Diethyl-p-nitrophenyl phosphate.

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APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
	Phosphoric acid, diethyl 4-nitrophenyl ester.
315184	Mexacarbate.
319846	alpha—BHC.
319857	beta—BHC.
319868	delta—BHC.
329715	2,5-Dinitrophenol.
330541	Diuron.
333415	Diazinon.
353504	Carbon oxyfluoride. Carbonic difluoride.
357573	Brucine.
	Strychnidin-10-one, 2,3-dimethoxy-.
460195	Cyanogen. Ethanedinitrile.
465736	Isodrin. 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro (1alpha, 4alpha, 4abeta,5beta,8beta,8abeta)-.
492808	Auramine. Benzenamine, 4,4'-carbonimidoylbis (N,N-dimethyl(N,N-D,methyl)-).
494031	Chlornaphazine. Naphthalenamine, N,N'-bis(2-chloroethyl)-.
496720	Benzenediamine, ar-methyl. Toluenediamine. 2,4-Toluene diamine.
504245	4-Aminopyridine. 4-Pyridinamine.
504609	1-Methylbutadiene. 1,3-Pentadiene.
506616	Argentate(1-), bis(cyano-C)-, potassium. Potassium silver cyanide.
506649	Silver cyanide. Silver cyanide Ag(CN).
506683	Cyanogen bromide. Cyanogen bromide (CN)Br.
506774	Cyanogen chloride. Cyanogen chloride (CN)Cl.
506878	Ammonium carbonate.
506957	Acetyl bromide.
509148	Methane, tetranitro-. Tetranitromethane.
510156	Benzeneacetic acid, 4-chloro- α - (4-chlorophenyl)- α -hydroxy-, ethyl ester. Chlorobenzilate.
513495	sec-Butylamine.
528290	o-Dinitrobenzene.
534521	4,6-Dinitro-o-cresol, and salts. Phenol, 2-methyl-4,6-dinitro-, & salts.
540738	Hydrazine, 1,2-dimethyl-. 1,2-Dimethylhydrazine.
540855	tert-Butyl acetate.
541093	Uranyl acetate.
541537	Dithiobiuret. Thiocimidodicarbonic diamide [(H2N)C(S)]2NH.
541731	Benzene, 1,3-dichloro-. m-Dichlorobenzene. 1,3-Dichlorobenzene.
542621	Barium cyanide.
542756	1-Propene, 1,3-dichloro-. 1,3-Dichloropropene.
542767	Propanenitrile, 3-chloro-. 3-Chloropropionitrile.
542881	Bis(chloromethyl)ether. Dichloromethyl ether. Methane, oxybis(chloro)-.
543908	Cadmium acetate.
544183	Cobaltous formate.

APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
544923	Copper cyanide CuCN. Copper cyanide.
554847	m-Nitrophenol.
557197	Nickel cyanide. Nickel cyanide Ni(CN)2.
557211	Zinc cyanide. Zinc cyanide Zn(CN)2.
557346	Zinc acetate.
557415	Zinc formate.
563122	Ethion.
563688	Acetic acid, thallium(1+) salt. Thallium(I) acetate.
573578	2,6-Dinitrophenol.
584849	Benzene, 1,3-diisocyanatomethyl-. Toluene diisocyanate. 2,4-Toluene diisocyanate.
591082	Acetamide, N-(aminothioxomethyl)-. 1-Acetyl-2-thiourea.
592018	Calcium cyanide. Calcium cyanide Ca(CN)2.
592041	Mercuric cyanide.
592858	Mercuric thiocyanate.
592870	Lead thiocyanate.
594423	Methanesulfonyl chloride, trichloro-. Trichloromethanesulfonyl chloride.
598312	Bromoacetone. 2-Propanone, 1-bromo-.
606202	Benzene, 1-methyl-1,3-dinitro-. 2,6-Dinitrotoluene.
608731	HEXACHLOROCYCLOHEXANE (all isomers).
608935	Benzene, pentachloro-. Pentachlorobenzene.
609198	3,4,5-Trichlorophenol.
610399	3,4-Dinitrotoluene.
615532	Carbamic acid, methylnitroso-, ethyl ester. N-Nitroso-N-methylurethane.
616239	n-,2,3 Dichloropropanol.
621647	Di-n-propylnitrosamine. 1-Propanamine, N-nitroso-N-propyl-.
624839	Methane, isocyanato-. Methyl isocyanate.
625161	tert-Amyl acetate.
626290	sec-Amyl acetate.
628627	Amyl acetate.
628864	Fulminic acid, mercury(2+)salt. Mercury fulminate.
630104	Selenourea.
630206	Ethane, 1,1,1,2-tetrachloro-. 1,1,1,2-Tetrachloroethane.
631618	Ammonium acetate.
635215	Benzenamine, 2-methyl-, hydrochloride. o-Toluidine hydrochloride.
640197	Acetamide, 2-fluoro-. Fluoroacetamide.
644644	Carbamic acid, dimethyl-,1- [(dimethylamino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester (Dimetilan).
684935	N-Nitroso-N-methylurea. Urea, N-methyl-N-nitroso.
692422	Arsine, diethyl-. Diethylarsine.
696286	Arsonous dichloride, phenyl-. Dichlorophenylarsine.
757584	Hexaethyl tetraphosphate. Tetraphosphoric acid, hexaethyl ester.
759739	N-Nitroso-N-ethylurea. Urea, N-ethyl-N-nitroso-.
764410	1,4-Dichloro-2-butene. 2-Butene, 1,4-dichloro-.
765344	Glycidylaldehyde.

APPENDIX A TO § 302.4—SEQUENTIAL CAS
REGISTRY NUMBER LIST OF CERCLA HAZ-
ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
815827	Oxiranecarboxaldehyde.
823405	Cupric tartrate. Benzenediamine, ar-methyl- Toluenediamine. 2,4-Toluene diamine.
924163	N-Nitrosodi-n-butylamine. 1-Butanamine, N-butyl-N-nitroso-.
930552	N-Nitrosopyrrolidine. Pyrrolidine, 1-nitroso-.
933755	2,3,6-Trichlorophenol.
933788	2,3,5-Trichlorophenol.
959988	alpha-Endosulfan.
1024573	Heptachlor epoxide.
1031078	Endosulfan sulfate.
1066304	Chromic acetate.
1066337	Ammonium bicarbonate.
1072351	Lead stearate.
1111780	Ammonium carbamate.
1116547	Ethanol, 2,2'-(nitrosimino)bis- N-Nitrosodiethanolamine.
1120714	1,2-Oxathiolane, 2,2-dioxide. 1,3-Propane sultone.
1129415	Carbamic acid, methyl-, 3-methylphenyl ester (Metolcarb).
1185575	Ferric ammonium citrate.
1194656	Dichlobenil.
1300716	Xylenol.
1303282	Arsenic oxide As ₂ O ₅ . Arsenic pentoxide.
1303328	Arsenic disulfide.
1303339	Arsenic trisulfide.
1309644	Antimony trioxide.
1310583	Potassium hydroxide.
1310732	Sodium hydroxide.
1314325	Thallic oxide.
1314621	Thallium oxide Ti ₂ O ₃ . Vanadium oxide V ₂ O ₅ . Vanadium pentoxide.
1314803	Phosphorus pentasulfide. Phosphorus sulfide. Sulfur phosphide.
1314847	Zinc phosphide. Zinc phosphide Zn ₃ P ₂ , when present at con- centrations greater than 10%.
1314870	Lead sulfide.
1319728	2,4,5-T amines.
1319773	Cresol(s). Cresylic acid. Phenol, methyl-.
1320189	2,4-D Ester.
1321126	Nitrotoluene.
1327522	Arsenic acid. Arsenic acid H ₃ AsO ₄ . Arsenic oxide As ₂ O ₃ .
1327533	Arsenic trioxide.
1330207	Benzene, dimethyl. Xylene (mixed).
1332076	Zinc borate.
1332214	Asbestos.
1333831	Sodium bifluoride.
1335326	Lead subacetate. Lead, bis(acetato-O)tetrahydroxytri.
1336216	Ammonium hydroxide.
1336363	Aroclors. PCBs. POLYCHLORINATED BIPHENYLS.
1338234	Methyl ethyl ketone peroxide. 2-Butanone peroxide.
1338245	Naphthenic acid.
1341497	Ammonium bifluoride.

APPENDIX A TO § 302.4—SEQUENTIAL CAS
REGISTRY NUMBER LIST OF CERCLA HAZ-
ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
1464535	1,2,3,4-Diepoxybutane. 2,2'-Bioxirane.
1563368	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl- (Carbofuran phenol).
1563662	Carbofuran.
1615801	Hydrazine, 1,2-diethyl- N,N'-Diethylhydrazine.
1646884	Propanal, 2-methyl-2-(methylsulfonyl)-, O- [(methylamino)carbonyl] oxime (Aldicarb sulfone).
1746016	TCDD. 2,3,7,8-Tetrachlorodibenzo-p-dioxin.
1762954	Ammonium thiocyanate.
1863634	Ammonium benzoate.
1888717	Hexachloropropene. 1-Propene, 1,1,2,3,3,3-hexachloro-.
1918009	Dicamba.
19283P7	2,4-D Ester.
1928478	2,4,5-T esters.
1928616	2,4-D Ester.
1929733	2,4-D Ester.
2008460	2,4,5-T amines.
2032657	Mercaptodimethur.
2303164	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester. Diallate.
2303175	Carbamothioic acid, bis(1-methylethyl)-, S- (2,3,3-trichloro-2-propenyl) ester (Triallate).
2312358	Propargite.
2545597	2,4,5-T esters.
2631370	Phenol, 3-methyl-5-(1-methylethyl)-, methyl car- bamate (Promecarb).
2763964	Muscimol. 3(2H)-Isoxazolone, 5-(aminomethyl)-. 5-(Aminomethyl)-5-isoxazolol.
2764729	Diquat
2921882	Chlorpyrifos.
2944674	Ferric ammonium oxalate.
2971382	2,4-D Ester.
3012655	Ammonium citrate, dibasic.
3164292	Ammonium tartrate.
3165933	Benzenamine, 4-chloro-2-methyl-, hydrochloride. 4-Chloro-o-toluidine, hydrochloride.
3251238	Cupric nitrate.
3285582	O,O-Diethyl S-methyl dithiophosphate. Phosphorodithioic acid, O,O-diethyl S-methyl ester.
3466359	Zinc carbonate.
3689245	Tetraethylthiopyrophosphate. Thiodiphosphoric acid, tetraethyl ester.
3813147	2,4,5-T amines.
4170303	Crotonaldehyde. 2-Butenal.
4549400	N-Nitrosomethylvinylamine. Vinylamine, N-methyl-N-nitroso-.
5344821	Thiourea, (2-chlorophenyl)-. 1-(o-Chlorophenyl)thiourea.
5893663	Cupric oxalate.
5952261	Ethanol, 2,2'-oxybis-, dicarbamate (Diethylene glycol, dicarbamate).
5972736	Ammonium oxalate.
6009707	Ammonium oxalate.
6369966	2,4,5-T amines.
6369977	2,4,5-T amines.
6533739	Carbonic acid, dithallium(1+) salt. Thallium(I) carbonate.
7005723	4-Chlorophenyl phenyl ether.
7421934	Endrin aldehyde.
7428480	Lead stearate.

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APPENDIX A TO §302.4—SEQUENTIAL CAS
REGISTRY NUMBER LIST OF CERCLA HAZ-
ARDOUS SUBSTANCES—Continued

APPENDIX A TO §302.4—SEQUENTIAL CAS
REGISTRY NUMBER LIST OF CERCLA HAZ-
ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
7439921	Lead.
7439976	Mercury.
7440020	Nickel.
7440224	Silver.
7440235	Sodium.
7440280	Thallium.
7440360	Antimony.
7440382	Arsenic.
7440417	Beryllium powder.
7440439	Cadmium.
7440473	Chromium.
7440508	Copper.
7440666	Zinc.
7446084	Selenium dioxide. Selenium oxide.
7446142	Lead sulfate.
7446186	Sulfuric acid, dithallium(1+) salt. Thallium(I) sulfate.
7446277	Lead phosphate. Phosphoric acid, lead(2+) salt (2:3).
7447394	Cupric chloride.
7488564	Selenium sulfide. Selenium sulfide SeS ₂ .
7558794	Sodium phosphate, dibasic.
7601549	Sodium phosphate, tribasic.
7631892	Sodium arsenate.
7631905	Sodium bisulfite.
7632000	Sodium nitrite.
7645252	Lead arsenate.
7646857	Zinc chloride.
7647010	Hydrochloric acid. Hydrogen chloride.
7647189	Antimony pentachloride.
7664382	Phosphoric acid.
7664393	Hydrofluoric acid. Hydrogen fluoride.
7664417	Ammonia.
7664939	Sulfuric acid.
7681494	Sodium fluoride.
7681529	Sodium hypochlorite.
7697372	Nitric acid.
7699458	Zinc bromide.
7705080	Ferric chloride.
7718549	Nickel chloride.
7719122	Phosphorus trichloride.
7720787	Ferrous sulfate.
7722647	Potassium permanganate.
7723140	Phosphorus.
7733020	Zinc sulfate.
7738945	Chromic acid.
7758294	Sodium phosphate, tribasic.
7758943	Ferrous chloride.
7758954	Lead chloride.
7758987	Cupric sulfate.
7761888	Silver nitrate.
7773060	Ammonium sulfamate.
7775113	Sodium chromate.
7778394	Arsenic acid. Arsenic acid H ₃ AsO ₄ .
7778441	Calcium arsenate.
7778509	Potassium bichromate.
7778543	Calcium hypochlorite.
7779864	Zinc hydrosulfite.
7779886	Zinc nitrate.
7782414	Fluorine.
7782492	Selenium.
7782505	Chlorine.
7782630	Ferrous sulfate.
7782823	Sodium selenite.
7782867	Mercurous nitrate.

CASRN	Hazardous substance
7783008	Selenious acid.
7783064	Hydrogen sulfide. Hydrogen sulfide H ₂ S.
7783359	Mercuric sulfate.
7783462	Lead fluoride.
7783495	Zinc fluoride.
7783508	Ferric fluoride.
7783564	Antimony trifluoride.
7784341	Arsenic trichloride.
7784409	Lead arsenate.
7784410	Potassium arsenate.
7784465	Sodium arsenite.
7785844	Sodium phosphate, tribasic.
7786347	Mevinphos.
7786814	Nickel sulfate.
7787475	Beryllium chloride.
7787497	Beryllium fluoride.
7787555	Beryllium nitrate.
7788989	Ammonium chromate.
7789006	Potassium chromate.
7789062	Strontium chromate.
7789095	Ammonium bichromate.
7789426	Cadmium bromide.
7789437	Cobaltous bromide.
7789619	Antimony tribromide.
7790945	Chlorosulfonic acid.
7791120	Thallium chloride TlCl. Thallium(I) chloride.
7803512	Hydrogen phosphide. Phosphine.
7803556	Ammonium vanadate. Vanadic acid, ammonium salt.
8001352	Camphene, octachloro-. Chlorinated camphene. Toxaphene.
8001589	Creosote.
8003198	Dichloropropane—Dichloropropene (mixture).
8003347	Pyrethrins.
8014917	Sulfuric acid.
10022705	Sodium hypochlorite.
10025873	Phosphorus oxychloride.
10025919	Antimony trichloride.
10026116	Zirconium tetrachloride.
10028225	Ferric sulfate.
10031591	Sulfuric acid, dithallium(1+) salt. Thallium(I) sulfate.
10039324	Sodium phosphate, dibasic.
10043013	Aluminum sulfate.
10045895	Ferrous ammonium sulfate.
10045940	Mercuric nitrate.
10049055	Chromous chloride.
10099748	Lead nitrate.
10101538	Chromic sulfate.
10101630	Lead iodide.
10101890	Sodium phosphate, tribasic.
10102064	Uranyl nitrate.
10102188	Sodium selenite.
10102439	Nitric oxide. Nitrogen oxide NO. Nitrogen dioxide. Nitrogen oxide NO ₂ .
10102440	Nitric acid, thallium(1+) salt. Thallium(I) nitrate.
10102484	Lead arsenate.
10108642	Cadmium chloride.
10124502	Potassium arsenite.
10124568	Sodium phosphate, tribasic.
10140655	Sodium phosphate, dibasic.
10192500	Ammonium bisulfite.
10196040	Ammonium sulfite.

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APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
10361894	Sodium phosphate, tribasic.
10380297	Cupric sulfate, ammoniated.
10415755	Mercurous nitrate.
10421484	Ferric nitrate.
10544726	Nitrogen dioxide.
	Nitrogen oxide NO2.
10588019	Sodium bichromate.
10605217	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester (Carbendazim).
11096825	Aroclor 1260. Aroclors. PCBs. POLYCHLORINATED BIPHENYLS.
11097691	Aroclor 1254. Aroclors. PCBs. POLYCHLORINATED BIPHENYLS.
11104282	Aroclor 1221. Aroclors. PCBs. POLYCHLORINATED BIPHENYLS.
11115745	Chromic acid.
11141165	Aroclor 1232. Aroclors. PCBs. POLYCHLORINATED BIPHENYLS.
12002038	Cupric acetoarsenite.
12039520	Selenious acid, dithallium(1+) salt. Thallium selenite.
12054487	Nickel hydroxide.
12125018	Ammonium fluoride.
12125029	Ammonium chloride.
12135761	Ammonium sulfide.
12672296	Aroclor 1248. Aroclors. PCBs. POLYCHLORINATED BIPHENYLS.
12674112	Aroclor 1016. Aroclors. PCBs. POLYCHLORINATED BIPHENYLS.
12771083	Sulfur monochloride.
13463393	Nickel carbonyl. Nickel carbonyl Ni(CO)4, (T-4)-.
13560991	2,4,5-T salts.
13597994	Beryllium nitrate.
13746899	Zirconium nitrate.
13765190	Calcium chromate. Chromic acid H2CrO4, calcium salt.
13814965	Lead fluoborate.
13826830	Ammonium fluoborate.
13952846	sec-Butylamine.
14017415	Cobaltous sulfamate.
14216752	Nickel nitrate.
14258492	Ammonium oxalate.
14307358	Lithium chromate.
14307438	Ammonium tartrate.
14639975	Zinc ammonium chloride.
14639986	Zinc ammonium chloride.
14644612	Zirconium sulfate.
15339363	Manganese, bis(dimethylcarbamodithioato-S,S')- (Manganese dimethyldithiocarbamate).
15699180	Nickel ammonium sulfate.
15739807	Lead sulfate.
15950660	2,3,4-Trichlorophenol.
16721805	Sodium hydrosulfide.
16752775	Ethanimidothioic acid, N-[[[(methylamino)carbonyl]oxy]-, methyl ester. Methomyl.

APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
16871719	Zinc silicofluoride.
16919190	Ammonium silicofluoride.
16923958	Zirconium potassium fluoride.
17702577	Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[[(methylamino)carbonyl]oxy]phenyl]- (Formparanate).
17804352	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl, methyl ester (Benomyl).
18883664	D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)carbonyl]amino]-, 2-deoxy-2-(3-methyl-3-nitrosoureido)-. Streptozotocin.
20816120	Osmium oxide OsO4 (T-4)-. Osmium tetroxide.
20830813	Daunomycin. 5,12-Naphthacenedione, 8-acetyl-10-[3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-.
20859738	Aluminum phosphide.
22781233	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate (Bendiocarb).
22961826	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, (Bendiocarb phenol).
23135220	Ethanimidothioic acid, 2-(dimethylamino)-N-[[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester (Oxamy).
23422539	Methanimidamide, N,N-dimethyl-N'-[3-[[[(methylamino)carbonyl]oxy]phenyl]-, monohydrochloride (Formetanate hydrochloride).
23564058	Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester (Thiophanate-methyl).
23950585	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-. Pronamide. Dinitrobenzene (mixed). Nitrophenol (mixed). Sodium dodecylbenzenesulfonate. Trichlorophenol. 2,4,5-T esters. 2,4-D Ester. Dinitrotoluene. Dichlorobenzene. Benzenediamine, ar-methyl-. Toluenediamine. 2,4-Toluene diamine. Dinitrophenol. Calcium dodecylbenzenesulfonate. 1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[[[(methylamino)carbonyl]oxime (Tirpate).
25154545	
25154556	
25155300	
25167822	
25168154	
25168267	
25321146	
25321226	
25376458	
25550587	
26264062	
26419778	
26471625	Benzene, 1,3-diisocyanatomethyl-. Toluene diisocyanate. 2,4-Toluene diisocyanate. Sodium azide. Dichloropropane. Dichloropropene. Dodecylbenzenesulfonic acid. Triethanolamine dodecylbenzene sulfonate. Vanady sulfate. Antimony potassium tartrate. Paraformaldehyde. Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester (A2213). 2,4,5-TP esters. beta - Endosulfan. Uranyl nitrate.
26628228	
26638197	
26952238	
27176870	
27323417	
27774136	
28300745	
30525894	
30558431	
32534955	
33213659	
36478769	

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APPENDIX A TO § 302.4—SEQUENTIAL CAS
REGISTRY NUMBER LIST OF CERCLA HAZ-
ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
37211055	Nickel chloride.
39196184	Thiofanox 2-Butanone, 3,3-dimethyl-1-(methyl- thio)-, O[(methylamino)carbonyl] oxime.
42504461	Isopropanolamine dodecylbenzenesulfonate.
52626256	Zinc ammonium chloride.
52652592	Lead stearate.
52740166	Calcium arsenite.
52888309	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester (Prosulfocarb).
53467111	2,4-D Ester.
53469219	Aroclor 1242 Aroclors. PCBs. POLYCHLORINATED BIPHENYLS.
55285148	Carbamic acid, [(dibutylamino)thio]methyl-, 2,3- dihydro-2,2-dimethyl-7-benzofuranyl ester (Carbosulfan).
55488874	Ferric ammonium oxalate.
56189094	Lead stearate.
59669260	Ethanimidothioic acid, N,N'- [thiobis[(methylimino)carbonyloxy]]bis-, di- methyl ester (Thiodicarb).
61792072	2,4,5-T esters.

APPENDIX B TO § 302.4—RADIONUCLIDES

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Radionuclides*		18 (3.7E 10)
Actinium-224	89	100 (3.7E 12)
Actinium-225	89	1 (3.7E 10)
Actinium-226	89	10 (3.7E 11)
Actinium-227	89	0.001 (3.7E 7)
Actinium-228	89	10 (3.7E 11)
Aluminum-26	13	10 (3.7E 11)
Americium-237	95	1000 (3.7E 13)
Americium-238	95	100 (3.7E 12)
Americium-239	95	100 (3.7E 12)
Americium-240	95	10 (3.7E 11)
Americium-241	95	0.01 (3.7E 8)
Americium-242m	95	0.01 (3.7E 8)
Americium-242	95	100 (3.7E 12)
Americium-243	95	0.01 (3.7E 8)
Americium-244m	95	1000 (3.7E 13)
Americium-244	95	10 (3.7E 11)
Americium-245	95	1000 (3.7E 13)
Americium-246m	95	1000 (3.7E 13)
Americium-246	95	1000 (3.7E 13)
Antimony-115	51	1000 (3.7E 13)
Antimony-116m	51	100 (3.7E 12)
Antimony-116	51	1000 (3.7E 13)
Antimony-117	51	1000 (3.7E 13)
Antimony-118m	51	10 (3.7E 11)
Antimony-119	51	1000 (3.7E 13)
Antimony-120 (16 min)	51	1000 (3.7E 13)
Antimony-120 (5.76 day)	51	10 (3.7E 11)
Antimony-122	51	10 (3.7E 11)
Antimony-124m	51	1000 (3.7E 13)
Antimony-124	51	10 (3.7E 11)
Antimony-125	51	10 (3.7E 11)
Antimony-125m	51	1000 (3.7E 13)
Antimony-126	51	10 (3.7E 11)
Antimony-127	51	10 (3.7E 11)
Antimony-128 (10.4 min)	51	1000 (3.7E 13)
Antimony-128 (9.01 hr)	51	10 (3.7E 11)
Antimony-129	51	100 (3.7E 12)

APPENDIX B TO § 302.4—RADIONUCLIDES—
Continued

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Antimony-130	51	100 (3.7E 12)
Antimony-131	51	1000 (3.7E 13)
Argon-39	18	1000 (3.7E 13)
Argon-41	18	10 (3.7E 11)
Arsenic-69	33	1000 (3.7E 13)
Arsenic-70	33	100 (3.7E 12)
Arsenic-71	33	100 (3.7E 12)
Arsenic-72	33	10 (3.7E 11)
Arsenic-73	33	100 (3.7E 12)
Arsenic-74	33	10 (3.7E 11)
Arsenic-76	33	100 (3.7E 12)
Arsenic-77	33	1000 (3.7E 13)
Arsenic-78	33	100 (3.7E 12)
Astatine-207	85	100 (3.7E 12)
Astatine-211	85	100 (3.7E 12)
Barium-126	56	1000 (3.7E 13)
Barium-128	56	10 (3.7E 11)
Barium-131m	56	1000 (3.7E 13)
Barium-131	56	10 (3.7E 11)
Barium-133m	56	100 (3.7E 12)
Barium-133	56	10 (3.7E 11)
Barium-135m	56	1000 (3.7E 13)
Barium-139	56	1000 (3.7E 13)
Barium-140	56	10 (3.7E 11)
Barium-141	56	1000 (3.7E 13)
Barium-142	56	1000 (3.7E 13)
Berkelium-245	97	100 (3.7E 12)
Berkelium-246	97	10 (3.7E 11)
Berkelium-247	97	0.01 (3.7E 8)
Berkelium-249	97	1 (3.7E 10)
Berkelium-250	97	100 (3.7E 12)
Beryllium-7	4	100 (3.7E 12)
Beryllium-10	4	1 (3.7E 10)
Bismuth-200	83	100 (3.7E 12)
Bismuth-201	83	100 (3.7E 12)
Bismuth-202	83	1000 (3.7E 13)
Bismuth-203	83	10 (3.7E 11)
Bismuth-205	83	10 (3.7E 11)
Bismuth-206	83	10 (3.7E 11)
Bismuth-207	83	10 (3.7E 11)
Bismuth-210m	83	0.1 (3.7E 9)
Bismuth-210	83	10 (3.7E 11)
Bismuth-212	83	100 (3.7E 12)
Bismuth-213	83	100 (3.7E 12)
Bismuth-214	83	100 (3.7E 12)
Bromine-74m	35	100 (3.7E 12)
Bromine-74	35	100 (3.7E 12)
Bromine-75	35	100 (3.7E 12)
Bromine-76	35	10 (3.7E 11)
Bromine-77	35	100 (3.7E 12)
Bromine-80m	35	1000 (3.7E 13)
Bromine-80	35	1000 (3.7E 13)
Bromine-82	35	10 (3.7E 11)
Bromine-83	35	1000 (3.7E 13)
Bromine-84	35	100 (3.7E 12)
Cadmium-104	48	1000 (3.7E 13)
Cadmium-107	48	1000 (3.7E 13)
Cadmium-109	48	1 (3.7E 10)
Cadmium-113m	48	0.1 (3.7E 9)
Cadmium-113	48	0.1 (3.7E 9)
Cadmium-115m	48	10 (3.7E 11)
Cadmium-115	48	100 (3.7E 12)
Cadmium-117m	48	10 (3.7E 11)
Cadmium-117	48	100 (3.7E 12)
Calcium-41	20	10 (3.7E 11)
Calcium-45	20	10 (3.7E 11)
Calcium-47	20	10 (3.7E 11)
Californium n-244	98	1000 (3.7E 13)
Californium-246	98	10 (3.7E 11)
Californium-248	98	0.1 (3.7E 9)

APPENDIX B TO § 302.4—RADIONUCLIDES—
Continued

APPENDIX B TO § 302.4—RADIONUCLIDES—
Continued

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Californium-249	98	0.01 (3.7E 8)
Californium-250	98	0.01 (3.7E 8)
Californium-251	98	0.01 (3.7E 8)
Californium-252	98	0.1 (3.7E 9)
Californium-253	98	10 (3.7E 11)
Californium-254	98	0.1 (3.7E 9)
Carbon-11	6	1000 (3.7E 13)
Carbon-14	6	10 (3.7E 11)
Cerium-134	58	10 (3.7E 11)
Cerium-135	58	10 (3.7E 11)
Cerium-137m	58	100 (3.7E 12)
Cerium-137	58	1000 (3.7E 13)
Cerium-139	58	100 (3.7E 12)
Cerium-141	58	10 (3.7E 11)
Cerium-143	58	100 (3.7E 12)
Cerium-144	58	1 (3.7E 10)
Cesium-125	55	1000 (3.7E 13)
Cesium-127	55	100 (3.7E 12)
Cesium-129	55	100 (3.7E 12)
Cesium-130	55	1000 (3.7E 13)
Cesium-131	55	1000 (3.7E 13)
Cesium-132	55	10 (3.7E 11)
Cesium-134m	55	1000 (3.7E 13)
Cesium-134	55	1 (3.7E 10)
Cesium-135m	55	100 (3.7E 12)
Cesium-135	55	10 (3.7E 11)
Cesium-136	55	10 (3.7E 11)
Cesium-137	55	1 (3.7E 10)
Cesium-138	55	100 (3.7E 12)
Chlorine-36	17	10 (3.7E 11)
Chlorine-38	17	100 (3.7E 12)
Chlorine-39	17	100 (3.7E 12)
Chromium-48	24	100 (3.7E 12)
Chromium-49	24	1000 (3.7E 13)
Chromium-51	24	1000 (3.7E 13)
Cobalt-55	27	10 (3.7E 11)
Cobalt-56	27	10 (3.7E 11)
Cobalt-57	27	100 (3.7E 12)
Cobalt-58m	27	1000 (3.7E 13)
Cobalt-58	27	10 (3.7E 11)
Cobalt-60m	27	1000 (3.7E 13)
Cobalt-60	27	10 (3.7E 11)
Cobalt-61	27	1000 (3.7E 13)
Cobalt-62m	27	1000 (3.7E 13)
Copper-60	29	100 (3.7E 12)
Copper-61	29	100 (3.7E 12)
Copper-64	29	1000 (3.7E 13)
Copper-67	29	100 (3.7E 12)
Curium-238	96	1000 (3.7E 13)
Curium-240	96	1 (3.7E 10)
Curium-241	96	10 (3.7E 11)
Curium-242	96	1 (3.7E 10)
Curium-243	96	0.01 (3.7E 8)
Curium-244	96	0.01 (3.7E 8)
Curium-245	96	0.01 (3.7E 8)
Curium-246	96	0.01 (3.7E 8)
Curium-247	96	0.01 (3.7E 8)
Curium-248	96	0.001 (3.7E 7)
Curium-249	96	1000 (3.7E 13)
Dysprosium-155	66	100 (3.7E 12)
Dysprosium-157	66	100 (3.7E 12)
Dysprosium-159	66	100 (3.7E 12)
Dysprosium-165	66	1000 (3.7E 13)
Dysprosium-166	66	10 (3.7E 11)
Einsteinium-250	99	10 (3.7E 11)
Einsteinium-251	99	1000 (3.7E 13)
Einsteinium-253	99	10 (3.7E 11)
Einsteinium-254m	99	1 (3.7E 10)
Einsteinium-254	99	0.1 (3.7E 9)
Erbium-161	68	100 (3.7E 12)

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Erbium-165	68	1000 (3.7E 13)
Erbium-169	68	100 (3.7E 12)
Erbium-171	68	100 (3.7E 12)
Erbium-172	68	10 (3.7E 11)
Europium-145	63	10 (3.7E 11)
Europium-146	63	10 (3.7E 11)
Europium-147	63	10 (3.7E 11)
Europium-148	63	10 (3.7E 11)
Europium-149	63	100 (3.7E 12)
Europium-150 (12.6 hr)	63	1000 (3.7E 13)
Europium-150 (34.2 yr)	63	10 (3.7E 11)
Europium-152m	63	100 (3.7E 12)
Europium-152	63	10 (3.7E 11)
Europium-154	63	10 (3.7E 11)
Europium-155	63	10 (3.7E 11)
Europium-156	63	10 (3.7E 11)
Europium-157	63	10 (3.7E 11)
Europium-158	63	1000 (3.7E 13)
Fermium-252	100	10 (3.7E 11)
Fermium-253	100	10 (3.7E 11)
Fermium-254	100	100 (3.7E 12)
Fermium-255	100	100 (3.7E 12)
Fermium-257	100	1 (3.7E 10)
Fluorine-18	9	1000 (3.7E 13)
Franclium-222	87	100 (3.7E 12)
Franclium-223	87	100 (3.7E 12)
Gadolinium-145	64	100 (3.7E 12)
Gadolinium-146	64	10 (3.7E 11)
Gadolinium-147	64	10 (3.7E 11)
Gadolinium-148	64	0.001 (3.7E 7)
Gadolinium-149	64	100 (3.7E 12)
Gadolinium-151	64	100 (3.7E 12)
Gadolinium-152	64	0.001 (3.7E 7)
Gadolinium-153	64	10 (3.7E 11)
Gadolinium-159	64	1000 (3.7E 13)
Gallium-65	31	1000 (3.7E 13)
Gallium-66	31	10 (3.7E 11)
Gallium-67	31	100 (3.7E 12)
Gallium-68	31	1000 (3.7E 13)
Gallium-70	31	1000 (3.7E 13)
Gallium-72	31	10 (3.7E 11)
Gallium-73	31	100 (3.7E 12)
Germanium-66	32	100 (3.7E 12)
Germanium-67	32	1000 (3.7E 13)
Germanium-68	32	10 (3.7E 11)
Germanium-69	32	10 (3.7E 11)
Germanium-71	32	1000 (3.7E 13)
Germanium-75	32	1000 (3.7E 13)
Germanium-77	32	10 (3.7E 11)
Germanium-78	32	1000 (3.7E 13)
Gold-193	79	100 (3.7E 12)
Gold-194	79	10 (3.7E 11)
Gold-195	79	100 (3.7E 12)
Gold-198m	79	10 (3.7E 11)
Gold-198	79	100 (3.7E 12)
Gold-199	79	100 (3.7E 12)
Gold-200m	79	10 (3.7E 11)
Gold-200	79	1000 (3.7E 13)
Gold-201	79	1000 (3.7E 13)
Hafnium-170	72	100 (3.7E 12)
Hafnium-172	72	1 (3.7E 10)
Hafnium-173	72	100 (3.7E 12)
Hafnium-175	72	100 (3.7E 12)
Hafnium-177m	72	1000 (3.7E 13)
Hafnium-178m	72	0.1 (3.7E 9)
Hafnium-179m	72	100 (3.7E 12)
Hafnium-180m	72	100 (3.7E 12)
Hafnium-181	72	10 (3.7E 11)
Hafnium-182m	72	100 (3.7E 12)
Hafnium-182	72	0.1 (3.7E 9)

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APPENDIX B TO § 302.4—RADIONUCLIDES—
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Radionuclide	Atomic Number	Final RQ Ci (Bq)
Hafnium-183	72	100 (3.7E 12)
Hafnium-184	72	100 (3.7E 12)
Holmium-155	67	1000 (3.7E 13)
Holmium-157	67	1000 (3.7E 13)
Holmium-159	67	1000 (3.7E 13)
Holmium-161	67	1000 (3.7E 13)
Holmium-162m	67	1000 (3.7E 13)
Holmium-162	67	1000 (3.7E 13)
Holmium-164m	67	1000 (3.7E 13)
Holmium-164	67	1000 (3.7E 13)
Holmium-166m	67	1 (3.7E 10)
Holmium-166	67	100 (3.7E 12)
Holmium-167	67	100 (3.7E 12)
Hydrogen-3	1	100 (3.7E 12)
Indium-109	49	100 (3.7E 12)
Indium-110 (69.1 min)	49	100 (3.7E 12)
Indium-110 (4.9 hr)	49	10 (3.7E 11)
Indium-111	49	100 (3.7E 12)
Indium-112	49	1000 (3.7E 13)
Indium-113m	49	1000 (3.7E 13)
Indium-114m	49	10 (3.7E 11)
Indium-115m	49	100 (3.7E 12)
Indium-115	49	0.1 (3.7E 9)
Indium-116m	49	100 (3.7E 12)
Indium-117m	49	100 (3.7E 12)
Indium-117	49	1000 (3.7E 13)
Indium-119m	49	1000 (3.7E 13)
Iodine-120m	53	100 (3.7E 12)
Iodine-120	53	10 (3.7E 11)
Iodine-121	53	100 (3.7E 12)
Iodine-123	53	10 (3.7E 11)
Iodine-124	53	0.1 (3.7E 9)
Iodine-125	53	0.01 (3.7E 8)
Iodine-126	53	0.01 (3.7E 8)
Iodine-128	53	1000 (3.7E 13)
Iodine-129	53	0.001 (3.7E 7)
Iodine-130	53	1 (3.7E 10)
Iodine-131	53	0.01 (3.7E 8)
Iodine-132m	53	10 (3.7E 11)
Iodine-132	53	10 (3.7E 11)
Iodine-133	53	0.1 (3.7E 9)
Iodine-134	53	100 (3.7E 12)
Iodine-135	53	10 (3.7E 11)
Iridium-182	77	1000 (3.7E 13)
Iridium-184	77	100 (3.7E 12)
Iridium-185	77	100 (3.7E 12)
Iridium-186	77	10 (3.7E 11)
Iridium-187	77	100 (3.7E 12)
Iridium-188	77	10 (3.7E 11)
Iridium-189	77	100 (3.7E 12)
Iridium-190m	77	1000 (3.7E 13)
Iridium-190	77	10 (3.7E 11)
Iridium-192m	77	100 (3.7E 12)
Iridium-192	77	10 (3.7E 11)
Iridium-194m	77	10 (3.7E 11)
Iridium-194	77	100 (3.7E 12)
Iridium-195m	77	100 (3.7E 12)
Iridium-195	77	1000 (3.7E 13)
Iron-52	26	100 (3.7E 12)
Iron-55	26	100 (3.7E 12)
Iron-59	26	10 (3.7E 11)
Iron-60	26	0.1 (3.7E 9)
Krypton-74	36	10 (3.7E 11)
Krypton-76	36	10 (3.7E 11)
Krypton-77	36	10 (3.7E 11)
Krypton-79	36	100 (3.7E 12)
Krypton-81	36	1000 (3.7E 13)
Krypton-83m	36	1000 (3.7E 13)
Krypton-85m	36	100 (3.7E 12)
Krypton-85	36	1000 (3.7E 13)

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Krypton-87	36	10 (3.7E 11)
Krypton-88	36	10 (3.7E 11)
Lanthanum-131	57	1000 (3.7E 13)
Lanthanum-132	57	100 (3.7E 12)
Lanthanum-135	57	1000 (3.7E 13)
Lanthanum-137	57	10 (3.7E 11)
Lanthanum-138	57	1 (3.7E 10)
Lanthanum-140	57	10 (3.7E 11)
Lanthanum-141	57	1000 (3.7E 13)
Lanthanum-142	57	100 (3.7E 12)
Lanthanum-143	57	1000 (3.7E 13)
Lead-195m	82	1000 (3.7E 13)
Lead-196	82	100 (3.7E 12)
Lead-199	82	100 (3.7E 12)
Lead-200	82	100 (3.7E 12)
Lead-201	82	100 (3.7E 12)
Lead-202n	82	10 (3.7E 11)
Lead-202	82	1 (3.7E 10)
Lead-203	82	100 (3.7E 12)
Lead-205	82	100 (3.7E 12)
Lead-209	82	1000 (3.7E 13)
Lead-210	82	0.01 (3.7E 8)
Lead-211	82	100 (3.7E 12)
Lead-212	82	10 (3.7E 11)
Lead-214	82	100 (3.7E 12)
Lutetium-169	71	10 (3.7E 11)
Lutetium-170	71	10 (3.7E 11)
Lutetium-171	71	10 (3.7E 11)
Lutetium-172	71	10 (3.7E 11)
Lutetium-173	71	100 (3.7E 12)
Lutetium-174m	71	10 (3.7E 11)
Lutetium-174	71	10 (3.7E 11)
Lutetium-176m	71	1000 (3.7E 13)
Lutetium-176	71	1 (3.7E 10)
Lutetium-177m	71	10 (3.7E 11)
Lutetium-177	71	100 (3.7E 12)
Lutetium-178m	71	1000 (3.7E 13)
Lutetium-178	71	1000 (3.7E 13)
Lutetium-179	71	1000 (3.7E 13)
Magnesium-28	12	10 (3.7E 11)
Manganese-51	25	1000 (3.7E 13)
Manganese-52m	25	1000 (3.7E 13)
Manganese-52	25	10 (3.7E 11)
Manganese-53	25	1000 (3.7E 13)
Manganese-54	25	10 (3.7E 11)
Manganese-56	25	100 (3.7E 12)
Mendelevium-257	101	100 (3.7E 12)
Mendelevium-258	101	1 (3.7E 10)
Mercury-193m	80	10 (3.7E 11)
Mercury-193	80	100 (3.7E 12)
Mercury-194	80	0.1 (3.7E 9)
Mercury-195m	80	100 (3.7E 12)
Mercury-195	80	100 (3.7E 12)
Mercury-197m	80	1000 (3.7E 13)
Mercury-197	80	1000 (3.7E 13)
Mercury-199m	80	1000 (3.7E 13)
Mercury-203	80	10 (3.7E 11)
Molybdenum-90	42	100 (3.7E 12)
Molybdenum-93m	42	10 (3.7E 11)
Molybdenum-93	42	100 (3.7E 12)
Molybdenum-99	42	100 (3.7E 12)
Molybdenum-101	42	1000 (3.7E 13)
Neodymium-136	60	1000 (3.7E 13)
Neodymium-138	60	1000 (3.7E 13)
Neodymium-139m	60	100 (3.7E 12)
Neodymium-139	60	1000 (3.7E 13)
Neodymium-141	60	1000 (3.7E 13)
Neodymium-147	60	10 (3.7E 11)
Neodymium-149	60	100 (3.7E 12)
Neodymium-151	60	1000 (3.7E 13)

APPENDIX B TO § 302.4—RADIONUCLIDES—
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APPENDIX B TO § 302.4—RADIONUCLIDES—
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Radionuclide	Atomic Number	Final RC Ci (Bq)
Neptunium-232	93	1000 (3.7E 13)
Neptunium-233	93	1000 (3.7E 13)
Neptunium-234	93	10 (3.7E 11)
Neptunium-235	93	1000 (3.7E 13)
Neptunium-236 (1.2 E 5 yr)	93	0.1 (3.7E 9)
Neptunium-236 (22.5 hr)	93	100 (3.7E 12)
Neptunium-237	93	0.01 (3.7E 8)
Neptunium-238	93	10 (3.7E 11)
Neptunium-239	93	100 (3.7E 12)
Neptunium-240	93	100 (3.7E 12)
Nickel-56	28	10 (3.7E 11)
Nickel-57	28	10 (3.7E 11)
Nickel-59	28	100 (3.7E 12)
Nickel-63	28	100 (3.7E 12)
Nickel-65	28	100 (3.7E 12)
Nickel-66	28	10 (3.7E 11)
Niobium-88	41	100 (3.7E 12)
Niobium-89 (66 min)	41	100 (3.7E 12)
Niobium-90 (122 min)	41	100 (3.7E 12)
Niobium-90	41	10 (3.7E 11)
Niobium-93m	41	100 (3.7E 12)
Niobium-94	41	10 (3.7E 11)
Niobium-95m	41	100 (3.7E 12)
Niobium-95	41	10 (3.7E 11)
Niobium-96	41	10 (3.7E 11)
Niobium-97	41	100 (3.7E 12)
Niobium-98	41	1000 (3.7E 13)
Osmium-180	76	1000 (3.7E 13)
Osmium-181	76	100 (3.7E 12)
Osmium-182	76	100 (3.7E 12)
Osmium-185	76	10 (3.7E 11)
Osmium-189m	76	1000 (3.7E 13)
Osmium-191m	76	1000 (3.7E 13)
Osmium-191	76	100 (3.7E 12)
Osmium-193	76	100 (3.7E 12)
Osmium-194	76	1 (3.7E 10)
Palladium-100	46	100 (3.7E 12)
Palladium-101	46	100 (3.7E 12)
Palladium-103	46	100 (3.7E 12)
Palladium-107	46	100 (3.7E 12)
Palladium-109	46	1000 (3.7E 13)
Phosphorus-32	15	0.1 (3.7E 9)
Phosphorus-33	15	1 (3.7E 10)
Platinum-186	78	100 (3.7E 12)
Platinum-188	78	100 (3.7E 12)
Platinum-189	78	100 (3.7E 12)
Platinum-191	78	100 (3.7E 12)
Platinum-193m	78	100 (3.7E 12)
Platinum-193	78	1000 (3.7E 13)
Platinum-195m	78	100 (3.7E 12)
Platinum-197m	78	1000 (3.7E 13)
Platinum-197	78	1000 (3.7E 13)
Platinum-199	78	1000 (3.7E 13)
Platinum-200	78	100 (3.7E 12)
Plutonium-234	94	1000 (3.7E 13)
Plutonium-235	94	1000 (3.7E 13)
Plutonium-236	94	0.1 (3.7E 9)
Plutonium-237	94	1000 (3.7E 13)
Plutonium-238	94	0.01 (3.7E 8)
Plutonium-239	94	0.01 (3.7E 8)
Plutonium-240	94	0.01 (3.7E 8)
Plutonium-241	94	1 (3.7E 10)
Plutonium-242	94	0.01 (3.7E 8)
Plutonium-243	94	1000 (3.7E 13)
Plutonium-244	94	0.01 (3.7E 8)
Plutonium-245	94	100 (3.7E 12)
Polonium-203	84	100 (3.7E 12)
Polonium-205	84	100 (3.7E 12)
Polonium-207	84	10 (3.7E 11)
Polonium-210	84	0.01 (3.7E 8)

Radionuclide	Atomic Number	Final RC Ci (Bq)
Potassium-40	19	1 (3.7E 10)
Potassium-42	19	100 (3.7E 12)
Potassium-43	19	10 (3.7E 11)
Potassium-44	19	100 (3.7E 12)
Potassium-45	19	1000 (3.7E 13)
Praseodymium-136	59	1000 (3.7E 13)
Praseodymium-137	59	1000 (3.7E 13)
Praseodymium-138m	59	100 (3.7E 12)
Praseodymium-139	59	1000 (3.7E 13)
Praseodymium-142m	59	1000 (3.7E 13)
Praseodymium-142	59	100 (3.7E 12)
Praseodymium-143	59	10 (3.7E 11)
Praseodymium-144	59	1000 (3.7E 13)
Praseodymium-145	59	1000 (3.7E 13)
Praseodymium-147	59	1000 (3.7E 13)
Promethium-141	61	1000 (3.7E 13)
Promethium-143	61	100 (3.7E 12)
Promethium-144	61	10 (3.7E 11)
Promethium-145	61	100 (3.7E 12)
Promethium-146	61	10 (3.7E 11)
Promethium-147	61	10 (3.7E 11)
Promethium-148m	61	10 (3.7E 11)
Promethium-148	61	10 (3.7E 11)
Promethium-149	61	100 (3.7E 12)
Promethium-150	61	100 (3.7E 12)
Promethium-151	61	100 (3.7E 12)
Protactinium-227	91	100 (3.7E 12)
Protactinium-228	91	10 (3.7E 11)
Protactinium-230	91	10 (3.7E 11)
Protactinium-231	91	0.01 (3.7E 8)
Protactinium-232	91	10 (3.7E 11)
Protactinium-233	91	100 (3.7E 12)
Protactinium-234	91	10 (3.7E 11)
Radium-223	88	1 (3.7E 10)
Radium-224	88	10 (3.7E 11)
Radium-225	88	1 (3.7E 10)
Radium-226φ	88	0.1 (3.7E 9)
Radium-227	88	1000 (3.7E 13)
Radium-228	88	0.1 (3.7E 9)
Radon-220	86	0.1 (3.7E 9)
Radon-222	86	0.1 (3.7E 9)
Rhenium-177	75	1000 (3.7E 13)
Rhenium-178	75	1000 (3.7E 13)
Rhenium-181	75	100 (3.7E 12)
Rhenium-182 (12.7 hr)	75	10 (3.7E 11)
Rhenium-182 (64.0 hr)	75	10 (3.7E 11)
Rhenium-184m	75	10 (3.7E 11)
Rhenium-184	75	10 (3.7E 11)
Rhenium-186m	75	10 (3.7E 11)
Rhenium-186	75	100 (3.7E 12)
Rhenium-187	75	1000 (3.7E 13)
Rhenium-188m	75	1000 (3.7E 13)
Rhenium-188	75	1000 (3.7E 13)
Rhenium-189	75	1000 (3.7E 13)
Rhodium-99m	45	100 (3.7E 12)
Rhodium-99	45	10 (3.7E 11)
Rhodium-100	45	10 (3.7E 11)
Rhodium-101m	45	100 (3.7E 12)
Rhodium-101	45	10 (3.7E 11)
Rhodium-102m	45	10 (3.7E 11)
Rhodium-102	45	10 (3.7E 11)
Rhodium-103m	45	1000 (3.7E 13)
Rhodium-105	45	100 (3.7E 12)
Rhodium-106m	45	10 (3.7E 11)
Rhodium-107	45	1000 (3.7E 13)
Rubidium-79	37	1000 (3.7E 13)
Rubidium-81m	37	1000 (3.7E 13)
Rubidium-81	37	100 (3.7E 12)
Rubidium-82m	37	10 (3.7E 11)
Rubidium-83	37	10 (3.7E 11)

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APPENDIX B TO § 302.4—RADIONUCLIDES—
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APPENDIX B TO § 302.4—RADIONUCLIDES—
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Radionuclide	Atomic Number	Final RQ Ci (Bq)
Rubidium-84	37	10 (3.7E 11)
Rubidium-86	37	10 (3.7E 11)
Rubidium-88	37	1000 (3.7E 13)
Rubidium-89	37	1000 (3.7E 13)
Rubidium-87	37	10 (3.7E 11)
Ruthenium-94	44	1000 (3.7E 13)
Ruthenium-97	44	100 (3.7E 12)
Ruthenium-103	44	10 (3.7E 11)
Ruthenium-105	44	100 (3.7E 12)
Ruthenium-106	44	1 (3.7E 10)
Samarium-141m	62	1000 (3.7E 13)
Samarium-141	62	1000 (3.7E 13)
Samarium-142	62	1000 (3.7E 13)
Samarium-145	62	100 (3.7E 12)
Samarium-146	62	0.01 (3.7E 8)
Samarium-147	62	0.01 (3.7E 8)
Samarium-151	62	10 (3.7E 11)
Samarium-153	62	100 (3.7E 12)
Samarium-155	62	1000 (3.7E 13)
Samarium-156	62	100 (3.7E 12)
Scandium-43	21	1000 (3.7E 13)
Scandium-44m	21	10 (3.7E 11)
Scandium-44	21	100 (3.7E 12)
Scandium-46	21	10 (3.7E 11)
Scandium-47	21	100 (3.7E 12)
Scandium-48	21	10 (3.7E 11)
Scandium-49	21	1000 (3.7E 13)
Selenium-70	34	1000 (3.7E 13)
Selenium-73m	34	100 (3.7E 12)
Selenium-73	34	10 (3.7E 11)
Selenium-75	34	10 (3.7E 11)
Selenium-79	34	10 (3.7E 11)
Selenium-81m	34	1000 (3.7E 13)
Selenium-81	34	1000 (3.7E 13)
Selenium-83	34	1000 (3.7E 13)
Silicon-31	14	1000 (3.7E 13)
Silicon-32	14	1 (3.7E 10)
Silver-102	47	100 (3.7E 12)
Silver-103	47	1000 (3.7E 13)
Silver-104m	47	1000 (3.7E 13)
Silver-104	47	1000 (3.7E 13)
Silver-105	47	10 (3.7E 11)
Silver-106m	47	10 (3.7E 11)
Silver-106	47	1000 (3.7E 13)
Silver-108m	47	10 (3.7E 11)
Silver-110m	47	10 (3.7E 11)
Silver-111	47	10 (3.7E 11)
Silver-112	47	100 (3.7E 12)
Silver-115	47	1000 (3.7E 13)
Sodium-22	11	10 (3.7E 11)
Sodium-24	11	10 (3.7E 11)
Strontium-80	38	100 (3.7E 12)
Strontium-81	38	1000 (3.7E 13)
Strontium-83	38	100 (3.7E 12)
Strontium-85m	38	1000 (3.7E 13)
Strontium-85	38	10 (3.7E 11)
Strontium-87m	38	100 (3.7E 12)
Strontium-89	38	10 (3.7E 11)
Strontium-90	38	0.1 (3.7E 9)
Strontium-91	38	10 (3.7E 11)
Strontium-92	38	100 (3.7E 12)
Sulfur-35	16	1 (3.7E 10)
Tantalum-172	73	100 (3.7E 12)
Tantalum-173	73	100 (3.7E 12)
Tantalum-174	73	100 (3.7E 12)
Tantalum-175	73	100 (3.7E 12)
Tantalum-176	73	10 (3.7E 11)
Tantalum-177	73	1000 (3.7E 13)
Tantalum-178	73	1000 (3.7E 13)
Tantalum-179	73	1000 (3.7E 13)

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Tantalum-180m	73	1000 (3.7E 13)
Tantalum-180	73	100 (3.7E 12)
Tantalum-182m	73	1000 (3.7E 13)
Tantalum-182	73	10 (3.7E 11)
Tantalum-183	73	100 (3.7E 12)
Tantalum-184	73	10 (3.7E 11)
Tantalum-185	73	1000 (3.7E 13)
Tantalum-186	73	1000 (3.7E 13)
Technetium-93m	43	1000 (3.7E 13)
Technetium-93	43	100 (3.7E 12)
Technetium-94m	43	100 (3.7E 12)
Technetium-94	43	10 (3.7E 11)
Technetium-96m	43	1000 (3.7E 13)
Technetium-96	43	10 (3.7E 11)
Technetium-97m	43	100 (3.7E 12)
Technetium-97	43	100 (3.7E 12)
Technetium-98	43	10 (3.7E 11)
Technetium-99m	43	100 (3.7E 12)
Technetium-99	43	10 (3.7E 11)
Technetium-101	43	1000 (3.7E 13)
Technetium-104	43	1000 (3.7E 13)
Tellurium-116	52	1000 (3.7E 13)
Tellurium-121m	52	10 (3.7E 11)
Tellurium-121	52	10 (3.7E 11)
Tellurium-123m	52	10 (3.7E 11)
Tellurium-123	52	10 (3.7E 11)
Tellurium-125m	52	10 (3.7E 11)
Tellurium-127m	52	10 (3.7E 11)
Tellurium-127	52	1000 (3.7E 13)
Tellurium-129m	52	10 (3.7E 11)
Tellurium-129	52	1000 (3.7E 13)
Tellurium-131m	52	10 (3.7E 11)
Tellurium-131	52	1000 (3.7E 13)
Tellurium-132	52	10 (3.7E 11)
Tellurium-133m	52	1000 (3.7E 13)
Tellurium-133	52	1000 (3.7E 13)
Tellurium-134	52	1000 (3.7E 13)
Terbium-147	65	100 (3.7E 12)
Terbium-149	65	100 (3.7E 12)
Terbium-150	65	100 (3.7E 12)
Terbium-151	65	10 (3.7E 11)
Terbium-153	65	100 (3.7E 12)
Terbium-154	65	10 (3.7E 11)
Terbium-155	65	100 (3.7E 12)
Terbium-156m (5.0 hr)	65	1000 (3.7E 13)
Terbium-156m (24.4 hr)	65	1000 (3.7E 13)
Terbium-156	65	10 (3.7E 11)
Terbium-157	65	100 (3.7E 12)
Terbium-158	65	10 (3.7E 11)
Terbium-160	65	10 (3.7E 11)
Terbium-161	65	100 (3.7E 12)
Thallium-194m	81	100 (3.7E 12)
Thallium-194	81	1000 (3.7E 13)
Thallium-195	81	100 (3.7E 12)
Thallium-197	81	100 (3.7E 12)
Thallium-198m	81	100 (3.7E 12)
Thallium-198	81	10 (3.7E 11)
Thallium-199	81	100 (3.7E 12)
Thallium-200	81	10 (3.7E 11)
Thallium-201	81	1000 (3.7E 13)
Thallium-202	81	10 (3.7E 11)
Thallium-204	81	10 (3.7E 11)
Thorium-226	90	100 (3.7E 12)
Thorium-227	90	1 (3.7E 10)
Thorium-228	90	0.01 (3.7E 8)
Thorium-229	90	0.001 (3.7E 7)
Thorium-230	90	0.01 (3.7E 8)
Thorium-231	90	100 (3.7E 12)
Thorium-232	90	0.001 (3.7E 7)
Thorium-234	90	100 (3.7E 12)

APPENDIX B TO § 302.4—RADIONUCLIDES—
Continued

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Thulium-162	69	1000 (3.7E 13)
Thulium-166	69	10 (3.7E 11)
Thulium-167	69	100 (3.7E 12)
Thulium-170	69	10 (3.7E 11)
Thulium-171	69	100 (3.7E 12)
Thulium-172	69	100 (3.7E 12)
Thulium-173	69	100 (3.7E 12)
Thulium-175	69	1000 (3.7E 13)
Tin-110	50	100 (3.7E 12)
Tin-111	50	1000 (3.7E 13)
Tin-113	50	10 (3.7E 11)
Tin-117m	50	100 (3.7E 12)
Tin-119m	50	10 (3.7E 11)
Tin-121m	50	10 (3.7E 11)
Tin-121	50	1000 (3.7E 13)
Tin-123m	50	1000 (3.7E 13)
Tin-123	50	10 (3.7E 11)
Tin-125	50	10 (3.7E 11)
Tin-126	50	1 (3.7E 10)
Tin-127	50	100 (3.7E 12)
Tin-128	50	1000 (3.7E 13)
Titanium-44	22	1 (3.7E 10)
Titanium-45	22	1000 (3.7E 13)
Tungsten-176	74	1000 (3.7E 13)
Tungsten-177	74	100 (3.7E 12)
Tungsten-178	74	100 (3.7E 12)
Tungsten-179	74	1000 (3.7E 13)
Tungsten-181	74	100 (3.7E 12)
Tungsten-185	74	10 (3.7E 11)
Tungsten-187	74	100 (3.7E 12)
Tungsten-188	74	10 (3.7E 11)
Uranium-230	92	1 (3.7E 10)
Uranium-231	92	1000 (3.7E 13)
Uranium-232	92	0.01 (3.7E 8)
Uranium-233	92	0.1 (3.7E 9)
Uranium-234	92	0.1 (3.7E 9)
Uranium-235	92	0.1 (3.7E 9)
Uranium-236	92	0.1 (3.7E 9)
Uranium-237	92	100 (3.7E 12)
Uranium-238	92	0.1 (3.7E 9)
Uranium-239	92	1000 (3.7E 13)
Uranium-240	92	1000 (3.7E 13)
Vanadium-47	23	1000 (3.7E 13)
Vanadium-48	23	10 (3.7E 11)
Vanadium-49	23	1000 (3.7E 13)
Xenon-120	54	100 (3.7E 12)
Xenon-121	54	10 (3.7E 11)
Xenon-122	54	100 (3.7E 12)
Xenon-123	54	10 (3.7E 11)
Xenon-125	54	100 (3.7E 12)
Xenon-127	54	100 (3.7E 12)
Xenon-129m	54	1000 (3.7E 13)
Xenon-131m	54	1000 (3.7E 13)
Xenon-133m	54	1000 (3.7E 13)
Xenon-133	54	1000 (3.7E 13)
Xenon-135m	54	10 (3.7E 11)
Xenon-135	54	100 (3.7E 12)
Xenon-138	54	10 (3.7E 11)
Ytterbium-162	70	1000 (3.7E 13)
Ytterbium-166	70	10 (3.7E 11)
Ytterbium-167	70	1000 (3.7E 13)
Ytterbium-169	70	10 (3.7E 11)
Ytterbium-175	70	100 (3.7E 12)
Ytterbium-177	70	1000 (3.7E 13)
Ytterbium-178	70	1000 (3.7E 13)
Yttrium-86m	39	1000 (3.7E 13)
Yttrium-86	39	10 (3.7E 11)
Yttrium-87	39	10 (3.7E 11)
Yttrium-88	39	10 (3.7E 11)
Yttrium-90m	39	100 (3.7E 12)

APPENDIX B TO § 302.4—RADIONUCLIDES—
Continued

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Yttrium-90	39	10 (3.7E 11)
Yttrium-91m	39	1000 (3.7E 13)
Yttrium-91	39	10 (3.7E 11)
Yttrium-92	39	100 (3.7E 12)
Yttrium-93	39	100 (3.7E 12)
Yttrium-94	39	1000 (3.7E 13)
Yttrium-95	39	1000 (3.7E 13)
Zinc-62	30	100 (3.7E 12)
Zinc-63	30	1000 (3.7E 13)
Zinc-65	30	10 (3.7E 11)
Zinc-69m	30	100 (3.7E 12)
Zinc-69	30	1000 (3.7E 13)
Zinc-71m	30	100 (3.7E 12)
Zinc-72	30	100 (3.7E 12)
Zirconium-86	40	100 (3.7E 12)
Zirconium-88	40	10 (3.7E 11)
Zirconium-89	40	100 (3.7E 12)
Zirconium-93	40	1 (3.7E 10)
Zirconium-95	40	10 (3.7E 11)
Zirconium-97	40	10 (3.7E 11)

Ci—Curie. The curie represents a rate of radioactive decay. One curie is the quantity of any radioactive nuclide which undergoes 3.7E 10 disintegrations per second.

Bq—Becquerel. The becquerel represents a rate of radioactive decay. One becquerel is the quantity of any radioactive nuclide which undergoes one disintegration per second. One curie is equal to 3.7E 10 becquerel.

*—Final RQs for all radionuclides apply to chemical compounds containing the radionuclides and elemental forms regardless of the diameter of pieces of solid material.

†—The adjusted RQ of one curie applies to all radionuclides not otherwise listed. Whenever the RQs in table 302.4 and this appendix to the table are in conflict, the lowest RQ shall apply. For example, uranyl acetate and uranyl nitrate have adjusted RQs shown in table 302.4 of 100 pounds, equivalent to about one-tenth the RQ level for uranium-238 listed in this appendix.

E—Exponent to the base 10. For example, 1.3E 2 is equal to 130 while 1.3E 3 is equal to 1300.

m—Signifies a nuclear isomer which is a radionuclide in a higher energy metastable state relative to the parent isotope.

‡—Notification requirements for releases of mixtures or solutions of radionuclides can be found in § 302.6(b) of this rule. Final RQs for the following four common radionuclide mixtures are provided: radium-226 in secular equilibrium with its daughters (0.053 curie); natural uranium (0.1 curie); natural uranium in secular equilibrium with its daughters (0.052 curie); and natural thorium in secular equilibrium with its daughters (0.011 curie).

[54 FR 33449, Aug. 14, 1989]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 302.4, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 302.5 Determination of reportable quantities.

(a) *Listed hazardous substances.* The quantity listed in the column "Final RQ" for each substance in table 302.4, or in appendix B to table 302.4, is the reportable quantity (RQ) for that substance. The RQs in table 302.4 are in units of pounds based on chemical toxicity, while the RQs in appendix B to table 302.4 are in units of curies based on radiation hazard. Whenever the RQs

in table 302.4 and appendix B to the table are in conflict, the lowest RQ shall apply.

(b) *Unlisted hazardous substances.* Unlisted hazardous substances designated by 40 CFR 302.4(b) have the reportable quantity of 100 pounds, except for those unlisted hazardous wastes which exhibit extraction procedure (EP) toxicity identified in 40 CFR 261.24. Unlisted hazardous wastes which exhibit EP toxicity have the reportable quantities listed in table 302.4 for the contaminant on which the characteristic of EP toxicity is based. The reportable quantity applies to the waste itself, not merely to the toxic contaminant. If an unlisted hazardous waste exhibits EP toxicity on the basis of more than one contaminant, the reportable quantity for that waste shall be the lowest of the reportable quantities listed in table 302.4 for those contaminants. If an unlisted hazardous waste exhibits the characteristic of EP toxicity and one or more of the other characteristics referenced in 40 CFR 302.4(b), the reportable quantity for that waste shall be the lowest of the applicable reportable quantities.

[51 FR 34547, Sept. 29, 1987, as amended at 54 FR 22538, May 24, 1989]

§ 302.6 Notification requirements.

(a) Any person in charge of a vessel or an offshore or an onshore facility shall, as soon as he has knowledge of any release (other than a federally permitted release or application of a pesticide) of a hazardous substance from such vessel or facility in a quantity equal to or exceeding the reportable quantity determined by this part in any 24-hour period, immediately notify the National Response Center ((800) 424-8802; in Washington, DC (202) 426-2675).

(b) Releases of mixtures or solutions (including hazardous waste streams) of

(1) Hazardous substances, except for radionuclides, are subject to the following notification requirements:

(i) If the quantity of all of the hazardous constituent(s) of the mixture or solution is known, notification is required where an RQ or more of any hazardous constituent is released;

(ii) If the quantity of one or more of the hazardous constituent(s) of the

mixture or solution is unknown, notification is required where the total amount of the mixture or solution released equals or exceeds the RQ for the hazardous constituent with the lowest RQ; or

(iii) For waste streams K169, K170, K171, and K172, knowledge of the quantity of all of the hazardous constituent(s) may be assumed, based on the following maximum observed constituent concentrations identified by EPA:

Waste	Constituent	Max ppm
K169	Benzene	220.0
	Benzene	1.2
K170	Benzo (a) pyrene	230.0
	Dibenz (a,h) anthracene	49.0
	Benzo (a) anthracene	390.0
	Benzo (b) fluoranthene	110.0
	Benzo (k) fluoranthene	110.0
	3-Methylcholanthrene	27.0
	7,12-Dimethylbenz (a) anthracene	1,200.0
K171	Benzene	500.0
	Arsenic	1,500.0
K172	Benzene	100.0
	Arsenic	730.0

(2) Radionuclides are subject to this section's notification requirements only in the following circumstances:

(i) If the identity and quantity (in curies) of each radionuclide in a released mixture or solution is known, the ratio between the quantity released (in curies) and the RQ for the radionuclide must be determined for each radionuclide. The only such releases subject to this section's notification requirements are those in which the sum of the ratios for the radionuclides in the mixture or solution released is equal to or greater than one.

(ii) If the identity of each radionuclide in a released mixture or solution is known but the quantity released (in curies) of one or more of the radionuclides is unknown, the only such releases subject to this section's notification requirements are those in which the total quantity (in curies) of the mixture or solution released is equal to or greater than the lowest RQ of any individual radionuclide in the mixture or solution.

(iii) If the identity of one or more radionuclides in a released mixture or solution is unknown (or if the identity of a radionuclide released by itself is

unknown), the only such releases subject to this section's notification requirements are those in which the total quantity (in curies) released is equal to or greater than either one curie or the lowest RQ of any known individual radionuclide in the mixture or solution, whichever is lower.

(c) The following categories of releases are exempt from the notification requirements of this section:

(1) Releases of those radionuclides that occur naturally in the soil from land holdings such as parks, golf courses, or other large tracts of land.

(2) Releases of naturally occurring radionuclides from land disturbance activities, including farming, construction, and land disturbance incidental to extraction during mining activities, except that which occurs at uranium, phosphate, tin, zircon, hafnium, vanadium, monazite, and rare earth mines. Land disturbance incidental to extraction includes: land clearing; overburden removal and stockpiling; excavating, handling, transporting, and storing ores and other raw (not beneficiated or processed) materials; and replacing in mined-out areas coal ash, earthen materials from farming or construction, or overburden or other raw materials generated from the exempted mining activities.

(3) Releases of radionuclides from the dumping and transportation of coal and coal ash (including fly ash, bottom ash, and boiler slags), including the dumping and land spreading operations that occur during coal ash uses.

(4) Releases of radionuclides from piles of coal and coal ash, including fly ash, bottom ash, and boiler slags.

(d) Except for releases of radionuclides, notification of the release of an RQ of solid particles of antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, or zinc is not required if the mean diameter of the particles released is larger than 100 micrometers (0.004 inches).

[50 FR 13474, Apr. 4, 1985, as amended at 54 FR 22538, May 24, 1989; 54 FR 33481, Aug. 14, 1989; 63 FR 13475, Mar. 19, 1998; 63 FR 42189, Aug. 6, 1998; 64 FR 13114, Mar. 17, 1999]

§ 302.7 Penalties.

(a) Any person—

(1) In charge of a vessel from which a hazardous substance is released, other than a federally permitted release, into or upon the navigable waters of the United States, adjoining shorelines, or into or upon the waters of the contiguous zone.

(2) In charge of a vessel from which a hazardous substance is released, other than a federally permitted release, which may affect natural resources belonging to, appertaining to, or under the exclusive management authority of the United States (including resources under the Fishery Conservation and Management Act of 1976), and who is otherwise subject to the jurisdiction of the United States at the time of the release, or

(3) In charge of a facility from which a hazardous substance is released, other than a federally permitted release, in a quantity equal to or greater than that reportable quantity determined under this part who fails to notify immediately the National Response Center as soon as he has knowledge of such release shall be subject to all of the sanctions, including criminal penalties, set forth in section 103 of the Act with respect to such failure to notify.

(b) Notification received pursuant to this section or information obtained by the exploitation of such notification shall not be used against any such person in any criminal case, except a prosecution for perjury or for giving a false statement.

(c) This section shall not apply to the application of a pesticide product registered under the Federal Insecticide, Fungicide, and Rodenticide Act or to the handling and storage of such a pesticide product by an agricultural producer.

§ 302.8 Continuous releases.

(a) Except as provided in paragraph (c) of this section, no notification is required for any release of a hazardous substance that is, pursuant to the definitions in paragraph (b) of this section, continuous and stable in quantity and rate.

(b) *Definitions.* The following definitions apply to notification of continuous releases:

Continuous. A continuous release is a release that occurs without interruption or abatement or that is routine, anticipated, and intermittent and incidental to normal operations or treatment processes.

Normal range. The normal range of a release is all releases (in pounds or kilograms) of a hazardous substance reported or occurring over any 24-hour period under normal operating conditions during the preceding year. Only releases that are both continuous and stable in quantity and rate may be included in the normal range.

Routine. A routine release is a release that occurs during normal operating procedures or processes.

Stable in quantity and rate. A release that is stable in quantity and rate is a release that is predictable and regular in amount and rate of emission.

Statistically significant increase. A statistically significant increase in a release is an increase in the quantity of the hazardous substance released above the upper bound of the reported normal range of the release.

(c) *Notification.* The following notifications shall be given for any release qualifying for reduced reporting under this section:

(1) Initial telephone notification;

(2) Initial written notification within 30 days of the initial telephone notification;

(3) Follow-up notification within 30 days of the first anniversary date of the initial written notification;

(4) Notification of a change in the composition or source(s) of the release or in the other information submitted in the initial written notification of the release under paragraph (c)(2) of this section or the follow-up notification under paragraph (c)(3) of this section; and

(5) Notification at such times as an increase in the quantity of the hazardous substance being released during any 24-hour period represents a statistically significant increase as defined in paragraph (b) of this section.

(d) *Initial telephone notification.* Prior to making an initial telephone notification of a continuous release, the person in charge of a facility or vessel must establish a sound basis for quali-

fying the release for reporting under CERCLA section 103(f)(2) by:

(1) Using release data, engineering estimates, knowledge of operating procedures, or best professional judgment to establish the continuity and stability of the release;

(2) Reporting the release to the National Response Center for a period sufficient to establish the continuity and stability of the release; or

(3) When a person in charge of the facility or vessel believes that a basis has been established to qualify the release for reduced reporting under this section, initial notification to the National Response Center shall be made by telephone. The person in charge must identify the notification as an initial continuous release notification report and provide the following information:

(i) The name and location of the facility or vessel; and

(ii) The name(s) and identity(ies) of the hazardous substance(s) being released.

(e) *Initial written notification.* Initial written notification of a continuous release shall be made to the appropriate EPA Regional Office for the geographical area where the releasing facility or vessel is located. (Note: In addition to the requirements of this part, releases of CERCLA hazardous substances are also subject to the provisions of SARA title III section 304, and EPA's implementing regulations codified at 40 CFR part 355, which require initial telephone and written notifications of continuous releases to be submitted to the appropriate State emergency response commission and local emergency planning committee.)

(1) Initial written notification to the appropriate EPA Regional Office shall occur within 30 days of the initial telephone notification to the National Response Center, and shall include, for each release for which reduced reporting as a continuous release is claimed, the following information:

(i) The name of the facility or vessel; the location, including the latitude and longitude; the case number assigned by the National Response Center or the Environmental Protection Agency; the

Dun and Bradstreet number of the facility, if available; the port of registration of the vessel; the name and telephone number of the person in charge of the facility or vessel.

(ii) The population density within a one-mile radius of the facility or vessel, described in terms of the following ranges: 0-50 persons, 51-100 persons, 101-500 persons, 501-1,000 persons, more than 1,000 persons.

(iii) The identity and location of sensitive populations and ecosystems within a one-mile radius of the facility or vessel (e.g., elementary schools, hospitals, retirement communities, or wetlands).

(iv) For each hazardous substance release claimed to qualify for reporting under CERCLA section 103(f)(2), the following information must be supplied:

(A) The name/identity of the hazardous substance; the Chemical Abstracts Service Registry Number for the substance (if available); and if the substance being released is a mixture, the components of the mixture and their approximate concentrations and quantities, by weight.

(B) The upper and lower bounds of the normal range of the release (in pounds or kilograms) over the previous year.

(C) The source(s) of the release (e.g., valves, pump seals, storage tank vents, stacks). If the release is from a stack, the stack height (in feet or meters).

(D) The frequency of the release and the fraction of the release from each release source and the specific period over which it occurs.

(E) A brief statement describing the basis for stating that the release is continuous and stable in quantity and rate.

(F) An estimate of the total annual amount that was released in the previous year (in pounds or kilograms).

(G) The environmental medium(a) affected by the release:

(1) If surface water, the name of the surface water body;

(2) If a stream, the stream order or average flowrate (in cubic feet/second) and designated use;

(3) If a lake, the surface area (in acres) and average depth (in feet or meters);

(4) If on or under ground, the location of public water supply wells within two miles.

(H) A signed statement that the hazardous substance release(s) described is(are) continuous and stable in quantity and rate under the definitions in paragraph (a) of this section and that all reported information is accurate and current to the best knowledge of the person in charge.

(f) *Follow-up notification.* Within 30 days of the first anniversary date of the initial written notification, the person in charge of the facility or vessel shall evaluate each hazardous substance release reported to verify and update the information submitted in the initial written notification. The follow-up notification shall include the following information:

(1) The name of the facility or vessel; the location, including the latitude and longitude; the case number assigned by the National Response Center or the Environmental Protection Agency; the Dun and Bradstreet number of the facility, if available; the port of registration of the vessel; the name and telephone number of the person in charge of the facility or vessel.

(2) The population density within a one-mile radius of the facility or vessel, described in terms of the following ranges: 0-50 persons, 51-100 persons, 101-500 persons, 501-1,000 persons, more than 1,000 persons.

(3) The identity and location of sensitive populations and ecosystems within a one-mile radius of the facility or vessel (e.g., elementary schools, hospitals, retirement communities, or wetlands).

(4) For each hazardous substance release claimed to qualify for reporting under CERCLA section 103(f)(2), the following information shall be supplied:

(i) The name/identity of the hazardous substance; the Chemical Abstracts Service Registry Number for the substance (if available); and if the substance being released is a mixture, the components of the mixture and their approximate concentrations and quantities, by weight.

(ii) The upper and lower bounds of the normal range of the release (in pounds or kilograms) over the previous year.

(iii) The source(s) of the release (e.g., valves, pump seals, storage tank vents, stacks). If the release is from a stack, the stack height (in feet or meters).

(iv) The frequency of the release and the fraction of the release from each release source and the specific period over which it occurs.

(v) A brief statement describing the basis for stating that the release is continuous and stable in quantity and rate.

(vi) An estimate of the total annual amount that was released in the previous year (in pounds or kilograms).

(vii) The environmental medium(a) affected by the release:

(A) If surface water, the name of the surface water body;

(B) If a stream, the stream order or average flowrate (in cubic feet/second) and designated use;

(C) If a lake, the surface area (in acres) and average depth (in feet or meters);

(D) If on or under ground, the location of public water supply wells within two miles.

(viii) A signed statement that the hazardous substance release(s) is(are) continuous and stable in quantity and rate under the definitions in paragraph (a) of this section and that all reported information is accurate and current to the best knowledge of the person in charge.

(g) *Notification of changes in the release.* If there is a change in the release, notification of the change, not otherwise reported, shall be provided in the following manner:

(1) *Change in source or composition.* If there is any change in the composition or source(s) of the release, the release is a new release and must be qualified for reporting under this section by the submission of initial telephone notification and initial written notification in accordance with paragraphs (c) (1) and (2) of this section as soon as there is a sufficient basis for asserting that the release is continuous and stable in quantity and rate;

(2) *Change in the normal range.* If there is a change in the release such that the quantity of the release exceeds the upper bound of the reported normal range, the release must be reported as a statistically significant in-

crease in the release. If a change will result in a number of releases that exceed the upper bound of the normal range, the person in charge of a facility or vessel may modify the normal range by:

(i) Reporting at least one statistically significant increase report as required under paragraph (c)(7) of this section and, at the same time, informing the National Response Center of the change in the normal range; and

(ii) Submitting, within 30 days of the telephone notification, written notification to the appropriate EPA Regional Office describing the new normal range, the reason for the change, and the basis for stating that the release in the increased amount is continuous and stable in quantity and rate under the definitions in paragraph (b) of this section.

(3) *Changes in other reported information.* If there is a change in any information submitted in the initial written notification or the followup notification other than a change in the source, composition, or quantity of the release, the person in charge of the facility or vessel shall provide written notification of the change to the EPA Region for the geographical area where the facility or vessel is located, within 30 days of determining that the information submitted previously is no longer valid. Notification shall include the reason for the change, and the basis for stating that the release is continuous and stable under the changed conditions.

(4) Notification of changes shall include the case number assigned by the National Response Center or the Environmental Protection Agency and also the signed certification statement required at (c)(2)(xi) of this section.

(h) *Notification of a statistically significant increase in a release.* Notification of a statistically significant increase in a release shall be made to the National Response Center as soon as the person in charge of the facility or vessel has knowledge of the increase. The release must be identified as a statistically significant increase in a continuous release. A determination of whether an increase is a "statistically significant increase" shall be made based upon calculations or estimation procedures

that will identify releases that exceed the upper bound of the reported normal range.

(i) *Annual evaluation of releases.* Each hazardous substance release shall be evaluated annually to determine if changes have occurred in the information submitted in the initial written notification, the followup notification, and/or in a previous change notification.

(j) *Use of the SARA Title III section 313 form.* In lieu of an initial written report or a followup report, owners or operators of facilities subject to the requirements of SARA title III section 313 may submit to the appropriate EPA Regional Office for the geographical area where the facility is located, a copy of the Toxic Release Inventory form submitted under SARA Title III section 313 the previous July 1, provided that the following information is added:

(1) The population density within a one-mile radius of the facility or vessel, described in terms of the following ranges: 0-50 persons, 51-100 persons, 101-500 persons, 501-1,000 persons, more than 1,000 persons.

(2) The identity and location of sensitive populations and ecosystems within a one-mile radius of the facility or vessel (e.g., elementary schools, hospitals, retirement communities, or wetlands).

(3) For each hazardous substance release claimed to qualify for reporting under CERCLA section 103(f)(2), the following information must be supplied:

(i) The upper and lower bounds of the normal range of the release (in pounds or kilograms) over the previous year.

(ii) The frequency of the release and the fraction of the release from each release source and the specific period over which it occurs.

(iii) A brief statement describing the basis for stating that the release is continuous and stable in quantity and rate.

(iv) A signed statement that the hazardous substance release(s) is(are) continuous and stable in quantity and rate under the definitions in paragraph (b) of this section and that all reported information is accurate and current to the best knowledge of the person in charge.

(k) *Documentation supporting notification.* Where necessary to satisfy the requirements of this section, the person in charge may rely on recent release data, engineering estimates, the operating history of the facility or vessel, or other relevant information to support notification. All supporting documents, materials, and other information shall be kept on file at the facility, or in the case of a vessel, at an office within the United States in either a port of call, a place of regular berthing, or the headquarters of the business operating the vessel. Supporting materials shall be kept on file for a period of one year and shall substantiate the reported normal range of releases, the basis for stating that the release is continuous and stable in quantity and rate, and the other information in the initial written report, the followup report, and the annual evaluations required under paragraphs (e), (f), and (i), respectively. Such information shall be made available to EPA upon request as necessary to enforce the requirements of this section.

(l) *Multiple concurrent releases.* Multiple concurrent releases of the same substance occurring at various locations with respect to contiguous plants or installations upon contiguous grounds that are under common ownership or control may be considered separately or added together in determining whether such releases constitute a continuous release or a statistically significant increase under the definitions in paragraph (b) of this section; whichever approach is elected for purposes of determining whether a release is continuous also must be used to determine a statistically significant increase in the release.

(m) *Penalties for failure to comply.* The reduced reporting requirements provided for under this section shall apply only so long as the person in charge complies fully with all requirements of paragraph (c) of this section. Failure to comply with respect to any release from the facility or vessel shall subject the person in charge to all of the reporting requirements of § 302.6 for each such release, to the penalties under § 302.7, and to any other applicable penalties provided for by law.

[55 FR 30185, July 24, 1990]