

## Environmental Protection Agency

## § 302.3

potentially responsible parties to undertake response actions.

(e) Because state and local public safety organizations would normally be the first government representatives at the scene of a discharge or release, they are expected to initiate public safety measures that are necessary to protect the public health and welfare and that are consistent with containment and cleanup requirements in the NCP, and are responsible for directing evacuations pursuant to existing state or local procedures.

[59 FR 47473, Sept. 15, 1994, as amended at 80 FR 37121, June 29, 2015; 83 FR 5209, Feb. 6, 2018; 84 FR 56670, Oct. 22, 2019; 85 FR 22342, Apr. 21, 2020]

### PART 302—DESIGNATION, REPORTABLE QUANTITIES, AND NOTIFICATION

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AUTHORITY: 33 U.S.C. 1251 *et seq.*

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 [Reserved]

#### § 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”);

*Animal waste* means feces, urine, or other excrement, digestive emission, urea, or similar substances emitted by animals (including any form of livestock, poultry, or fish). The term “animal waste” includes animal waste that is mixed or commingled with bedding, compost, feed, soil, or any other material typically found with such waste.

*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 exclusive 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;

*Farm* means a site or area (including associated structures) that—

(1) Is used for—

(i) The production of a crop; or

(ii) The raising or selling of animals (including any form of livestock, poultry, or fish); and

(2) Under normal conditions, produces during a farm year any agricultural products with a total value equal to not less than \$1,000.

*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* means the waters of the United States, including the territorial seas, as defined in §120.2 of this chapter.

*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 (including the abandonment or discarding of barrels, containers, and other closed receptacles containing any hazardous substance or pollutant or contaminant), 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* (“RQ”) 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.

[50 FR 13474, Apr. 4, 1985, as amended at 67 FR 45321, July 9, 2002; 73 FR 76959, Dec. 18, 2008; 80 FR 37123, June 29, 2015; 83 FR 5209, Feb. 6, 2018; 83 FR 37446, Aug. 1, 2018; 84 FR 56671, Oct. 22, 2019; 85 FR 22342, Apr. 21, 2020]

#### § 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. 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)(2) 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 section 3001 of the Resource Conservation and Recovery Act (RCRA). The “RCRA Waste Number” column provides the waste identification numbers assigned to various substances by RCRA regulations. The “Pounds (kg)” column provides the reportable quantity adjustment for each hazardous substance in pounds and kilograms. Appendix A to §302.4, which lists CERCLA hazardous substances in sequential order by CASRN, provides a per-substance

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grouping of regulatory synonyms (*i.e.*, names by which each hazardous substance is identified in other statutes and their implementing regulations).

**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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
A2213 .....	30558431	4	U394	5000 (2270)
Acenaphthene .....	83-32-9	2		100 (45.4)
Acenaphthylene .....	208-96-8	2		5000 (2270)
Acetaldehyde .....	75-07-0	1,3,4	U001	1000 (454)
Acetaldehyde, chloro- .....	107-20-0	4	P023	1000 (454)
Acetaldehyde, trichloro- .....	75-87-6	4	U034	5000 (2270)
Acetamide .....	60-35-5	3		100 (45.4)
Acetamide, N-(aminothioxomethyl)- .....	591-08-2	4	P002	1000 (454)
Acetamide, N-(4-ethoxyphenyl)- .....	62-44-2	4	U187	100 (45.4)
Acetamide, N-9H-fluoren-2-yl- .....	53-96-3	3,4	U005	1 (0.454)
Acetamide, 2-fluoro- .....	640-19-7	4	P057	100 (45.4)
Acetic acid .....	64-19-7	1		5000 (2270)
Acetic acid, (2,4-dichlorophenoxy)-, salts & esters .....	94-75-7	1,3,4	U240	100 (45.4)
Acetic acid, ethyl ester .....	141-78-6	4	U112	5000 (2270)
Acetic acid, fluoro-, sodium salt .....	62-74-8	4	P058	10 (4.54)
Acetic acid, lead(2 + ) salt .....	301-04-2	1,4	U144	10 (4.54)
Acetic acid, thallium(1 + ) salt .....	563-68-8	4	U214	100 (45.4)
Acetic acid, (2,4,5-trichlorophenoxy)- .....	93-76-5	1,4	See F027	1000 (454)
Acetic anhydride .....	108-24-7	1		5000 (2270)
Acetone .....	67-64-1	4	U002	5000 (2270)
Acetone cyanohydrin .....	75-86-5	1,4	P069	10 (4.54)
Acetonitrile .....	75-05-8	3,4	U003	5000 (2270)
Acetophenone .....	98-86-2	3,4	U004	5000 (2270)
2-Acetylaminofluorene .....	53-96-3	3,4	U005	1 (0.454)
Acetyl bromide .....	506-96-7	1		5000 (2270)
Acetyl chloride .....	75-36-5	1,4	U006	5000 (2270)
1-Acetyl-2-thiourea .....	591-08-2	4	P002	1000 (454)
Acrolein .....	107-02-8	1,2,3,4	P003	1 (0.454)
Acrylamide .....	79-06-1	3,4	U007	5000 (2270)
Acrylic acid .....	79-10-7	3,4	U008	5000 (2270)
Acrylonitrile .....	107-13-1	1,2,3,4	U009	100 (45.4)
Adipic acid .....	124-04-9	1		5000 (2270)
Aldicarb .....	116-06-3	4	P070	1 (0.454)
Aldicarb sulfone .....	1646884	4	P203	100 (45.4)
Aldrin .....	309-00-2	1,2,4	P004	1 (0.454)
Allyl alcohol .....	107-18-6	1,4	P005	100 (45.4)
Allyl chloride .....	107-05-1	1,3		1000 (454)
Aluminum phosphide .....	20859-73-8	4	P006	100 (45.4)
Aluminum sulfate .....	10043-01-3	1		5000 (2270)
4-Aminobiphenyl .....	92-67-1	3		1 (0.454)
5-(Aminomethyl)-3-isoxazolol .....	2763-96-4	4	P007	1000 (454)
4-Aminopyridine .....	504-24-5	4	P008	1000 (454)
Amitrole .....	61-82-5	4	U011	10 (4.54)
Ammonia .....	7664-41-7	1		100 (45.4)
Ammonium acetate .....	631-61-8	1		5000 (2270)
Ammonium benzoate .....	1863-63-4	1		5000 (2270)
Ammonium bicarbonate .....	1066-33-7	1		5000 (2270)
Ammonium bichromate .....	7789-09-5	1		10 (4.54)
Ammonium bifluoride .....	1341-49-7	1		100 (45.4)
Ammonium bisulfite .....	10192-30-0	1		5000 (2270)
Ammonium carbamate .....	1111-78-0	1		5000 (2270)
Ammonium carbonate .....	506-87-6	1		5000 (2270)
Ammonium chloride .....	12125-02-9	1		5000 (2270)
Ammonium chromate .....	7788-98-9	1		10 (4.54)
Ammonium citrate, dibasic .....	3012-65-5	1		5000 (2270)
Ammonium fluoborate .....	13826-83-0	1		5000 (2270)
Ammonium fluoride .....	12125-01-8	1		100 (45.4)
Ammonium hydroxide .....	1336-21-6	1		1000 (454)
Ammonium oxalate .....	6009-70-7	1		5000 (2270)
	5972-73-6			
	14258-49-2			
Ammonium picrate .....	131-74-8	4	P009	10 (4.54)
Ammonium silicofluoride .....	16919-19-0	1		1000 (454)
Ammonium sulfamate .....	7773-06-0	1		5000 (2270)
Ammonium sulfide .....	12135-76-1	1		100 (45.4)
Ammonium sulfite .....	10196-04-0	1		5000 (2270)

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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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Ammonium tartrate	14307-43-8	1		5000 (2270)
	3164-29-2			
Ammonium thiocyanate	1762-95-4	1		5000 (2270)
Ammonium vanadate	7803-55-6	4	P119	1000 (454)
Amyl acetate	628-63-7	1		5000 (2270)
iso-Amyl acetate	123-92-2			
sec-Amyl acetate	626-38-0			
tert-Amyl acetate	625-16-1			
Aniline	62-53-3	1,3,4	U012	5000 (2270)
o-Anisidine	90-04-0	3		100 (45.4)
Anthracene	120-12-7	2		5000 (2270)
Antimony††	7440-36-0	2		5000 (2270)
ANTIMONY AND COMPOUNDS	N.A.	2,3		**
Antimony Compounds	N.A.	2,3		**
Antimony pentachloride	7647-18-9	1		1000 (454)
Antimony potassium tartrate	28300-74-5	1		100 (45.4)
Antimony tribromide	7789-61-9	1		1000 (454)
Antimony trichloride	10025-91-9	1		1000 (454)
Antimony trifluoride	7783-56-4	1		1000 (454)
Antimony trioxide	1309-64-4	1		1000 (454)
Argentate(1-), bis(cyano-C)-, potassium	506-61-6	4	P099	1 (0.454)
Aroclor 1016	12674-11-2	1,2,3		1 (0.454)
Aroclor 1221	11104-28-2	1,2,3		1 (0.454)
Aroclor 1232	11141-16-5	1,2,3		1 (0.454)
Aroclor 1242	53469-21-9	1,2,3		1 (0.454)
Aroclor 1248	12672-29-6	1,2,3		1 (0.454)
Aroclor 1254	11097-69-1	1,2,3		1 (0.454)
Aroclor 1260	11096-82-5	1,2,3		1 (0.454)
Aroclors	1336-36-3	1,2,3		1 (0.454)
Arsenic††	7440-38-2	2,3		1 (0.454)
Arsenic acid H3AsO4	7778-39-4	4	P010	1 (0.454)
ARSENIC AND COMPOUNDS	N.A.	2,3		**
Arsenic Compounds (inorganic including arsine)	N.A.	2,3		**
Arsenic disulfide	1303-32-8	1		1 (0.454)
Arsenic oxide As2O3	1327-53-3	1,4	P012	1 (0.454)
Arsenic oxide As2O5	1303-28-2	1,4	P011	1 (0.454)
Arsenic pentoxide	1303-28-2	1,4	P011	1 (0.454)
Arsenic trichloride	7784-34-1	1		1 (0.454)
Arsenic trioxide	1327-53-3	1,4	P012	1 (0.454)
Arsenic trisulfide	1303-33-9	1		1 (0.454)
Arsine, diethyl-	692-42-2	4	P038	1 (0.454)
Arsinic acid, dimethyl-	75-60-5	4	U136	1 (0.454)
Arsonous dichloride, phenyl-	696-28-6	4	P036	1 (0.454)
Asbestos†††	1332-21-4	2,3		1 (0.454)
Auramine	492-80-8	4	U014	100 (45.4)
Azaserine	115-02-6	4	U015	1 (0.454)
Aziridine	151-56-4	3,4	P054	1 (0.454)
Aziridine, 2-methyl-	75-55-8	3,4	P067	1 (0.454)
Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[aminocarbonyl]oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-[1aS-(1aalpha,8beta,8aalpha,8balpha)]-	50-07-7	4	U010	10 (4.54)
Barban	101279	4	U280	10 (4.54)
Barium cyanide	542-62-1	1,4	P013	10 (4.54)
Bendiocarb	22781233	4	U278	100 (45.4)
Bendiocarb phenol	22961826	4	U364	1000 (454)
Benomyl	17804352	4	U271	10 (4.54)
Benz[aceanthrylene, 1,2-dihydro-3-methyl-	56-49-5	4	U157	10 (4.54)
Benz[acacridine	225-51-4	4	U016	100 (45.4)
Benzal chloride	98-87-3	4	U017	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2propynyl)-	23950-58-5	4	U192	5000 (2270)
Benz[anthracene	56-55-3	2,4	U018	10 (4.54)
1,2-Benzanthracene	56-55-3	2,4	U018	10 (4.54)
Benz[anthracene, 7,12-dimethyl-	57-97-6	4	U094	1 (0.454)
Benzenamine	62-53-3	1,3,4	U012	5000 (2270)
Benzenamine, 4,4'-carbonimidoylbis (N,N dimethyl-	492-80-8	4	U014	100 (45.4)
Benzenamine, 4-chloro-	106-47-8	4	P024	1000 (454)
Benzenamine, 4-chloro-2-methyl-, hydrochloride	3165-93-3	4	U049	100 (45.4)
Benzenamine, N,N-dimethyl-4-(phenylazo)-	60-11-7	3,4	U093	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Benzenamine, 2-methyl-	95-53-4	3,4	U328	100 (45.4)
Benzenamine, 4-methyl-	106-49-0	4	U353	100 (45.4)
Benzenamine, 4,4'-methylenebis [2-chloro-	101-14-4	3,4	U158	10 (4.54)
Benzenamine, 2-methyl-,hydrochloride	636-21-5	4	U222	100 (45.4)
Benzenamine, 2-methyl-5-nitro-	99-55-8	4	U181	100 (45.4)
Benzenamine, 4-nitro-	100-01-6	4	P077	5000 (2270)
Benzene <sup>a</sup>	71-43-2	1,2,3,4	U019	10 (4.54)
Benzeneacetic acid, 4-chloro- $\alpha$ -(4-chlorophenyl)- $\alpha$ -hydroxy-, ethyl ester.	510-15-6	3,4	U038	10 (4.54)
Benzene, 1-bromo-4-phenoxy-	101-55-3	2,4	U030	100 (45.4)
Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	305-03-3	4	U035	10 (4.54)
Benzene, chloro-	108-90-7	1,2,3,4	U037	100 (45.4)
Benzene, (chloromethyl)-	100-44-7	1,3,4	P028	100 (45.4)
Benzenediamine, ar-methyl-	95-80-7	3,4	U221	10 (4.54)
	496-72-0			
	823-40-5			
	25376-45-8			
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	117-81-7	2,3,4	U028	100 (45.4)
1,2-Benzenedicarboxylic acid, dibutyl ester	84-74-2	1,2,3,4	U069	10 (4.54)
1,2-Benzenedicarboxylic acid, diethyl ester	84-66-2	2,4	U088	1000 (454)
1,2-Benzenedicarboxylic acid, dimethyl ester	131-11-3	2,3,4	U102	5000 (2270)
1,2-Benzenedicarboxylic acid, dioctyl ester	117-84-0	2,4	U107	5000 (2270)
Benzene, 1,2-dichloro-	95-50-1	1,2,4	U070	100 (45.4)
Benzene, 1,3-dichloro-	541-73-1	2,4	U071	100 (45.4)
Benzene, 1,4-dichloro-	106-46-7	1,2,3,4	U072	100 (45.4)
Benzene, 1,1'-(2,2-dichloroethylidene) bis[4-chloro-	72-54-8	1,2,4	U060	1 (0.454)
Benzene, (dichloromethyl)-	98-87-3	4	U017	5000 (2270)
Benzene, 1,3-diisocyanatomethyl-	91-08-7	3,4	U223	100 (45.4)
	584-84-9			
	26471-62-5			
Benzene, dimethyl-	1330-20-7	1,3,4	U239	100 (45.4)
1,3-Benzenediol	108-46-3	1,4	U201	5000 (2270)
1,2-Benzenediol,4-[1-hydroxy-2-(methyl amino)ethyl]-	51-43-4	4	P042	1000 (454)
Benzenethanamine, alpha,alpha-dimethyl-	122-09-8	4	P046	5000 (2270)
Benzene, hexachloro-	118-74-1	2,3,4	U127	10 (4.54)
Benzene, hexahydro-	110-82-7	1,4	U056	1000 (454)
Benzene, methyl-	108-88-3	1,2,3,4	U220	1000 (454)
Benzene, 1-methyl-2,4-dinitro-	121-14-2	1,2,3,4	U105	10 (4.54)
Benzene, 2-methyl-1,3-dinitro-	606-20-2	1,2,4	U106	100 (45.4)
Benzene, (1-methylethyl)-	98-82-8	3,4	U055	5000 (2270)
Benzene, nitro-	98-95-3	1,2,3,4	U169	1000 (454)
Benzene, pentachloro-	608-93-5	4	U183	10 (4.54)
Benzene, pentachloronitro-	82-68-8	3,4	U185	100 (45.4)
Benzenesulfonic acid chloride	98-09-9	4	U020	100 (45.4)
Benzenesulfonyl chloride	98-09-9	4	U020	100 (45.4)
Benzene,1,2,4,5-tetrachloro-	95-94-3	4	U207	5000 (2270)
Benzenethiol	108-98-5	4	P014	100 (45.4)
Benzene,1,1'-(2,2,2-trichloroethylidene) bis[4-chloro-	50-29-3	1,2,4	U061	1 (0.454)
Benzene,1,1'-(2,2,2-trichloroethylidene) bis[4-methoxy-	72-43-5	1,3,4	U247	1 (0.454)
Benzene, (trichloromethyl)-	98-07-7	3,4	U023	10 (4.54)
Benzene, 1,3,5-trinitro-	99-35-4	4	U234	10 (4.54)
Benzidine	92-87-5	2,3,4	U021	1 (0.454)
Benzo[ <i>a</i> ]anthracene	56-55-3	2,4	U018	10 (4.54)
1,3-Benzodioxole, 5-(1-propenyl)-1	120-58-1	4	U141	100 (45.4)
1,3-Benzodioxole, 5-(2-propenyl)-	94-59-7	4	U203	100 (45.4)
1,3-Benzodioxole, 5-propyl-	94-58-6	4	U090	10 (4.54)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-	22961826	4	U364	1000 (454)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate	22781233	4	U278	100 (45.4)
Benzo[ <i>b</i> ]fluoranthene	205-99-2	2		1 (0.454)
Benzo[ <i>k</i> ]fluoranthene	207-08-9	2		5000 (2270)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-	1563388	4	U367	10 (4.54)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate.	1563-66-2	1,4	P127	10 (4.54)
Benzoic acid	65-85-0	1		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).	57647	4	P188	100 (45.4)
Benzonitrile	100-47-0	1		5000 (2270)
Benzo[ <i>rst</i> ]pentaphene	189-55-9	4	U064	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Benzo[ghi]perylene .....	191-24-2	2		5000 (2270)
2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts.	81-81-2	4	P001	100 (45.4)
Benzo[a]pyrene .....	50-32-8	2,4	U248	
3,4-Benzopyrene .....	50-32-8	2,4	U022	1 (0.454)
p-Benzoquinone .....	106-51-4	3,4	U197	10 (4.54)
Benzotrichloride .....	98-07-7	3,4	U023	10 (4.54)
Benzoyl chloride .....	98-88-4	1		1000 (454)
Benzyl chloride .....	100-44-7	1,3,4	P028	100 (45.4)
Beryllium †† .....	7440-41-7	2,3,4	P015	10 (4.54)
BERYLLIUM AND COMPOUNDS .....	N.A.	2,3		**
Beryllium chloride .....	7787-47-5	1		1 (0.454)
Beryllium compounds .....	N.A.	2,3		**
Beryllium fluoride .....	7787-49-7	1		1 (0.454)
Beryllium nitrate .....	13597-99-4	1		1 (0.454)
Beryllium powder †† .....	7787-55-5	2,3,4	P015	10 (4.54)
alpha-BHC .....	7440-41-7	2,3,4		10 (4.54)
beta-BHC .....	319-84-6	2		1 (0.454)
delta-BHC .....	319-85-7	2		1 (0.454)
gamma-BHC .....	319-86-8	2		1 (0.454)
2,2'-Bioxirane .....	58-89-9	1,2,3,4	U129	1 (0.454)
Biphenyl .....	1464-53-5	4	U085	10 (4.54)
[1,1'-Biphenyl]-4,4'-diamine .....	92-52-4	3		100 (45.4)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dichloro- .....	92-87-5	2,3,4	U021	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy- .....	91-94-1	2,3,4	U073	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethyl- .....	119-90-4	3,4	U091	100 (45.4)
Bis(2-chloroethoxy) methane .....	119-93-7	3,4	U095	10 (4.54)
Bis(2-chloroethyl) ether .....	111-91-1	2,4	U024	1000 (454)
Bis(chloromethyl) ether .....	111-44-4	2,3,4	U025	10 (4.54)
Bis(2-ethylhexyl) phthalate .....	542-88-1	2,3,4	P016	10 (4.54)
Bromoacetone .....	117-81-7	3,4	U028	100 (45.4)
Bromoforn .....	598-31-2	4	P017	1000 (454)
Bromomethane .....	75-25-2	2,3,4	U225	100 (45.4)
4-Bromophenyl phenyl ether .....	74-83-9	2,3,4	U029	1000 (454)
Brucine .....	101-55-3	2,4	U030	100 (45.4)
1,3-Butadiene .....	357-57-3	4	P018	100 (45.4)
1,3-Butadiene, 1,1,2,3,4,4-hexachloro- .....	106-99-0	3		10 (4.54)
1-Butanamine, N-butyl-N-nitroso- .....	87-68-3	2,3,4	U128	1 (0.454)
2-Butanone .....	924-16-3	4	U172	10 (4.54)
2-Butanone, 3,3-dimethyl-1(methylthio)-, O-[(methylamino)carbonyl] oxime.	71-36-3	4	U031	5000 (2270)
2-Butanone peroxide .....	78-93-3	3,4	U159	5000 (2270)
2-Butenal .....	39196-18-4	4	P045	100 (45.4)
2-Butene, 1,4-dichloro- .....	1338-23-4	4	U160	10 (4.54)
2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy] methyl]-2,3, 5,7-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z), 7(2S*,3R*),7aalpha]]-.	123-73-9	1,4	U053	100 (45.4)
Butyl acetate .....	4170-30-3			
iso-Butyl acetate .....	764-41-0	4	U074	1 (0.454)
sec-Butyl acetate .....	303-34-4	4	U143	10 (4.54)
tert-Butyl acetate .....				
n-Butyl alcohol .....	123-86-4	1		5000 (2270)
Butylamine .....	110-19-0			
iso-Butylamine .....	105-46-4			
sec-Butylamine .....	540-88-5			
tert-Butylamine .....	71-36-3	4	U031	5000 (2270)
Butyric acid .....	109-73-9	1		1000 (454)
iso-Butyric acid .....	78-81-9			
Cacodylic acid .....	513-49-5			
Cadmium †† .....	13952-84-6			
Cadmium acetate .....	75-64-9			
CADMIUM AND COMPOUNDS .....	85-68-7	2		100 (45.4)
	84-74-2	1,2,3,4	U069	10 (4.54)
	107-92-6	1		5000 (2270)
	79-31-2			
	75-60-5	4	U136	1 (0.454)
	7440-43-9	2		10 (4.54)
	543-90-8	1		10 (4.54)
	N.A.	2,3		**

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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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Cadmium bromide	7789-42-6	1		10 (4.54)
Cadmium chloride	10108-64-2	1		10 (4.54)
Cadmium compounds	N.A.	2,3		**
Calcium arsenate	7778-44-1	1		1 (0.454)
Calcium arsenite	52740-16-6	1		1 (0.454)
Calcium carbide	75-20-7	1		10 (4.54)
Calcium chromate	13765-19-0	1,4	U032	10 (4.54)
Calcium cyanamide	156-62-7	3		1000 (454)
Calcium cyanide Ca(CN)2	592-01-8	1,4	P021	10 (4.54)
Calcium dodecylbenzenesulfonate	26264-06-2	1		1000 (454)
Calcium hypochlorite	7778-54-3	1		10 (4.54)
Captan	133-06-2	1,3		10 (4.54)
Carbamic acid, 1H-benzimidazol-2-yl, methyl ester	10605217	4	U372	10 (4.54)
Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-,methyl ester.	17804352	4	U271	10 (4.54)
Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester	101279	4	U280	10 (4.54)
Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester.	55285148	4	P189	1000 (454)
Carbamic acid, dimethyl-,1-[(dimethyl-amino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester.	644644	4	P191	1 (0.454)
Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester.	119380	4	P192	100 (45.4)
Carbamic acid, ethyl ester	51-79-6	3,4	U238	100 (45.4)
Carbamic acid, methyl-, 3-methylphenyl ester	1129415	4	P190	1000 (454)
Carbamic acid, methylnitroso-, ethyl ester	615-53-2	4	U178	1 (0.454)
Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester.	23564058	4	U409	10 (4.54)
Carbamic acid, phenyl-, 1-methylethyl ester	122429	4	U373	1000 (454)
Carbamic chloride, dimethyl-	79-44-7	3,4	U097	1 (0.454)
Carbamodithioic acid, 1,2-ethanediybis-, salts & esters	111-54-6	4	U114	5000 (2270)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester.	2303-16-4	4	U062	100 (45.4)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester.	2303175	4	U389	100 (45.4)
Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester	52888809	4	U387	5000 (2270)
Carbaryl	63-25-2	1,3,4	U279	100 (45.4)
Carbendazim	10605217	4	U372	10 (4.54)
Carbofuran	1563-66-2	1,4	P127	10 (4.54)
Carbofuran phenol	1563388	4	U367	10 (4.54)
Carbon disulfide	75-15-0	1,3,4	P022	100 (45.4)
Carbonic acid, dithallium(1 + ) salt	6533-73-9	4	U215	100 (45.4)
Carbonic dichloride	75-44-5	1,3,4	P095	10 (4.54)
Carbonic difluoride	353-50-4	4	U033	1000 (454)
Carbonochloridic acid, methyl ester	79-22-1	4	U156	1000 (454)
Carbon oxyfluoride	353-50-4	4	U033	1000 (454)
Carbon tetrachloride	56-23-5	1,2,3,4	U211	10 (4.54)
Carbonyl sulfide	463-58-1	3		100 (45.4)
Carbosulfan	55285148	4	P189	1000 (454)
Catechol	120-80-9	3		100 (45.4)
Chloral	75-87-6	4	U034	5000 (2270)
Chloramben	133-90-4	3		100 (45.4)
Chlorambucil	305-03-3	4	U035	10 (4.54)
Chlordane	57-74-9	1,2,3,4	U036	1 (0.454)
Chlordane, alpha & gamma isomers	57-74-9	1,2,3,4	U036	1 (0.454)
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES).	57-74-9	1,2,3,4	U036	1 (0.454)
CHLORINATED BENZENES	N.A.	2		**
Chlorinated camphene	8001-35-2	1,2,3,4	P123	1 (0.454)
CHLORINATED ETHANES	N.A.	2		**
CHLORINATED NAPHTHALENE	N.A.	2		**
CHLORINATED PHENOLS	N.A.	2		**
Chlorine	7782-50-5	1,3		10 (4.54)
Chlornaphazine	494-03-1	4	U026	100 (45.4)
Chloroacetaldehyde	107-20-0	4	P023	1000 (454)
Chloroacetic acid	79-11-8	3		100 (45.4)
2-Chloroacetophenone	532-27-4	3		100 (45.4)
CHLOROALKYL ETHERS	N.A.	2		**
p-Chloroaniline	106-47-8	4	P024	1000 (454)
Chlorobenzene	108-90-7	1,2,3,4	U037	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Chlorobenzilate .....	510-15-6	3,4	U038	10 (4.54)
p-Chloro-m-cresol .....	59-50-7	2,4	U039	5000 (2270)
Chlorodibromomethane .....	124-48-1	2		100 (45.4)
1-Chloro-2,3-epoxypropane .....	106-89-8	1,3,4	U041	100 (45.4)
Chloroethane .....	75-00-3	2,3		100 (45.4)
2-Chloroethyl vinyl ether .....	110-75-8	2,4	U042	1000 (454)
Chloroform .....	67-66-3	1,2,3,4	U044	10 (4.54)
Chloromethane .....	74-87-3	2,3,4	U045	100 (45.4)
Chloromethyl methyl ether .....	107-30-2	3,4	U046	10 (4.54)
beta-Chloronaphthalene .....	91-58-7	2,4	U047	5000 (2270)
2-Chloronaphthalene .....	91-58-7	2,4	U047	5000 (2270)
2-Chlorophenol .....	95-57-8	2,4	U048	100 (45.4)
o-Chlorophenol .....	95-57-8	2,4	U048	100 (45.4)
4-Chlorophenyl phenyl ether .....	7005-72-3	2		5000 (2270)
1-(o-Chlorophenyl)thiourea .....	5344-82-1	4	P026	100 (45.4)
Chloroprene .....	126-99-8	3		100 (45.4)
3-Chloropropionitrile .....	542-76-7	4	P027	1000 (454)
Chlorosulfonic acid .....	7790-94-5	1		1000 (454)
4-Chloro-o-toluidine, hydrochloride .....	3165-93-3	4	U049	100 (45.4)
Chlorpyrifos .....	2921-88-2	1		1 (0.454)
Chromic acetate .....	1066-30-4	1		1000 (454)
Chromic acid .....	11115-74-5	1		10 (4.54)
	7738-94-5			
Chromic acid H2CrO4, calcium salt .....	13765-19-0	1,4	U032	10 (4.54)
Chromic sulfate .....	10101-53-8	1		1000 (454)
Chromium †† .....	7440-47-3	2		5000 (2270)
CHROMIUM AND COMPOUNDS .....	N.A.	2,3		**
Chromium Compounds .....	N.A.	2,3		**
Chromous chloride .....	10049-05-5	1		1000 (454)
Chrysene .....	218-01-9	2,4	U050	100 (45.4)
Cobalt Compounds .....	N.A.	3		**
Cobaltous bromide .....	7789-43-7	1		1000 (454)
Cobaltous formate .....	544-18-3	1		1000 (454)
Cobaltous sulfamate .....	14017-41-5	1		1000 (454)
Coke Oven Emissions .....	N.A.	3		1 (0.454)
Copper †† .....	7440-50-8	2		5000 (2270)
COPPER AND COMPOUNDS .....	N.A.	2		**
Copper cyanide Cu(CN) .....	544-92-3	4	P029	10 (4.54)
Coumaphos .....	56-72-4	1		10 (4.54)
Creosote .....	N.A.	4	U051	1 (0.454)
Cresol (cresylic acid) .....	1319-77-3	1,3,4	U052	100 (45.4)
m-Cresol .....	108-39-4	3		100 (45.4)
o-Cresol .....	95-48-7	3		100 (45.4)
p-Cresol .....	106-44-5	3		100 (45.4)
Cresols (isomers and mixture) .....	1319-77-3	1,3,4	U052	100 (45.4)
Cresylic acid (isomers and mixture) .....	1319-77-3	1,3,4	U052	100 (45.4)
Crotonaldehyde .....	123-73-9	1,4	U053	100 (45.4)
	4170-30-3			
Cumene .....	98-82-8	3,4	U055	5000 (2270)
m-Cumenyl methylcarbamate .....	64006	4	P202	10 (4.54)
Cupric acetate .....	142-71-2	1		100 (45.4)
Cupric acetoarsenite .....	12002-03-8	1		1 (0.454)
Cupric chloride .....	7447-39-4	1		10 (4.54)
Cupric nitrate .....	3251-23-8	1		100 (45.4)
Cupric oxalate .....	5893-66-3	1		100 (45.4)
Cupric sulfate .....	7758-98-7	1		10 (4.54)
Cupric sulfate, ammoniated .....	10380-29-7	1		100 (45.4)
Cupric tartrate .....	815-82-7	1		100 (45.4)
Cyanide Compounds .....	N.A.	2,3		**
CYANIDES .....	N.A.	2,3		**
Cyanides (soluble salts and complexes) not otherwise specified.	N.A.	4	P030	10 (4.54)
Cyanogen .....	460-19-5	4	P031	100 (45.4)
Cyanogen bromide (CN)Br .....	506-68-3	4	U246	1000 (454)
Cyanogen chloride (CN)Cl .....	506-77-4	1,4	P033	10 (4.54)
2,5-Cyclohexadiene-1,4-dione .....	106-51-4	3,4	U197	10 (4.54)
Cyclohexane .....	110-82-7	1,4	U056	1000 (454)
Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1α, 2α, 3β-, 4α, 5α, 6β).	58-89-9	1,2,3,4	U129	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Cyclohexanone .....	108-94-1	4	U057	5000 (2270)
2-Cyclohexyl-4,6-dinitrophenol .....	131-89-5	4	P034	100 (45.4)
1,3-Cyclopentadiene, 1,2,3,4,5-hexachloro- .....	77-47-4	1,2,3,4	U130	10 (4.54)
Cyclophosphamide .....	50-18-0	4	U058	10 (4.54)
2,4-D Acid .....	94-75-7	1,3,4	U240	100 (45.4)
2,4-D Ester .....	94-11-1	1		100 (45.4)
	94-79-1			
	94-80-4			
	1320-18-9			
	1928-38-7			
	1928-61-6			
	1929-73-3			
	2971-38-2			
	25168-26-7			
	53467-11-1			
2,4-D, salts and esters .....	94-75-7	1,3,4	U240	100 (45.4)
Daunomycin .....	20830-81-3	4	U059	10 (4.54)
DDD .....	72-54-8	1,2,4	U060	1 (0.454)
4,4'-DDD .....	72-54-8	1,2,4	U060	1 (0.454)
DDE <sup>b</sup> .....	72-55-9	2		1 (0.454)
DDE <sup>b</sup> .....	3547-04-4	3		5000 (2270)
4,4'-DDE .....	72-55-9	2		1 (0.454)
DDT .....	50-29-3	1,2,4	U061	1 (0.454)
4,4'-DDT .....	50-29-3	1,2,4	U061	1 (0.454)
DDT AND METABOLITES .....	N.A.	2		**
DEHP .....	117-81-7	2,3,4	U028	100 (45.4)
Diallate .....	2303-16-4	4	U062	100 (45.4)
Diazinon .....	333-41-5	1		1 (0.454)
Diazomethane .....	334-88-3	3		100 (45.4)
Dibenz[a,h]anthracene .....	53-70-3	2,4	U063	1 (0.454)
1,2,5,6-Dibenzanthracene .....	53-70-3	2,4	U063	1 (0.454)
Dibenzo[a,h]anthracene .....	53-70-3	2,4	U063	1 (0.454)
Dibenzofuran .....	132-64-9	3		100 (45.4)
Dibenzo[a,i]pyrene .....	189-55-9	4	U064	10 (4.54)
1,2-Dibromo-3-chloropropane .....	96-12-8	3,4	U066	1 (0.454)
Dibromoethane .....	106-93-4	1,3,4	U067	1 (0.454)
Dibutyl phthalate .....	84-74-2	1,2,3,4	U069	10 (4.54)
Di-n-butyl phthalate .....	84-74-2	1,2,3,4	U069	10 (4.54)
Dicamba .....	1918-00-9	1		1000 (454)
Dichlobenil .....	1194-65-6	1		100 (45.4)
Dichlone .....	117-80-6	1		1 (0.454)
Dichlorobenzene .....	25321-22-6	1		100 (45.4)
1,2-Dichlorobenzene .....	95-50-1	1,2,4	U070	100 (45.4)
1,3-Dichlorobenzene .....	541-73-1	2,4	U071	100 (45.4)
1,4-Dichlorobenzene .....	106-46-7	1,2,3,4	U072	100 (45.4)
m-Dichlorobenzene .....	541-73-1	2,4	U071	100 (45.4)
o-Dichlorobenzene .....	95-50-1	1,2,4	U070	100 (45.4)
p-Dichlorobenzene .....	106-46-7	1,2,3,4	U072	100 (45.4)
DICHLOROBENZIDINE .....	N.A.	2		**
3,3'-Dichlorobenzidine .....	91-94-1	2,3,4	U073	1 (0.454)
Dichlorobromomethane .....	75-27-4	2		5000 (2270)
1,4-Dichloro-2-butene .....	764-41-0	4	U074	1 (0.454)
Dichlorodifluoromethane .....	75-71-8	4	U075	5000 (2270)
1,1-Dichloroethane .....	75-34-3	2,3,4	U076	1000 (454)
1,2-Dichloroethane .....	107-06-2	1,2,3,4	U077	100 (45.4)
1,1-Dichloroethylene .....	75-35-4	1,2,3,4	U078	100 (45.4)
1,2-Dichloroethylene .....	156-60-5	2,4	U079	1000 (454)
Dichloroethyl ether .....	111-44-4	2,3,4	U025	10 (4.54)
Dichloroisopropyl ether .....	108-60-1	2,4	U027	1000 (454)
Dichloromethane .....	75-09-2	2,3,4	U080	1000 (454)
Dichloromethoxyethane .....	111-91-1	2,4	U024	1000 (454)
Dichloromethyl ether .....	542-88-1	2,3,4	P016	10 (4.54)
2,4-Dichlorophenol .....	120-83-2	2,4	U081	100 (45.4)
2,6-Dichlorophenol .....	87-65-0	4	U082	100 (45.4)
Dichlorophenylarsine .....	696-28-6	4	P036	1 (0.454)
Dichloropropane .....	26638-19-7	1		1000 (454)
1,1-Dichloropropane .....	78-99-9			
1,3-Dichloropropane .....	142-28-9			
1,2-Dichloropropane .....	78-87-5	1,2,3,4	U083	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Dichloropropane—Dichloropropene (mixture)	8003–19–8	1		100 (45.4)
Dichloropropene	26952–23–8	1		100 (45.4)
2,3-Dichloropropene	78–88–6			
1,3-Dichloropropene	542–75–6	1,2,3,4	U084	100 (45.4)
2,2-Dichloropropionic acid	75–99–0	1		5000 (2270)
Dichlorvos	62–73–7	1,3		10 (4.54)
Dicofol	115–32–2	1		10 (4.54)
Dieldrin	60–57–1	1,2,4	P037	1 (0.454)
1,2:3,4-Diepoxybutane	1464–53–5	4	U085	10 (4.54)
Diethanolamine	111–42–2	3		100 (45.4)
Diethylamine	109–89–7	1		100 (45.4)
N,N-Diethylaniline	91–66–7	3		1000 (454)
Diethylarsine	692–42–2	4	P038	1 (0.454)
1,4-Diethyleneoxide	123–91–1	3,4	U108	100 (45.4)
Diethylene glycol, dicarbamate	5952261	4	U395	5000 (2270)
Diethylhexyl phthalate	117–81–7	2,3,4	U028	100 (45.4)
N,N'-Diethylhydrazine	1615–80–1	4	U086	10 (4.54)
O,O-Diethyl S-methyl dithiophosphate	3288–58–2	4	U087	5000 (2270)
Diethyl-p-nitrophenyl phosphate	311–45–5	4	P041	100 (45.4)
Diethyl phthalate	84–66–2	2,4	U088	1000 (454)
O,O-Diethyl O-pyrazinyl phosphorothioate	297–97–2	4	P040	100 (45.4)
Diethylstilbestrol	56–53–1	4	U089	1 (0.454)
Diethyl sulfate	64–67–5	3		10 (4.54)
Dihydrosafrole	94–58–6	4	U090	10 (4.54)
Diisopropylfluorophosphate (DFP)	55–91–4	4	P043	100 (45.4)
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)-	309–00–2	1,2,4	P004	1 (0.454)
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)-	465–73–6	4	P060	1 (0.454)
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-, (1alpha,2beta,2alpha,3beta,6beta,6alpha,7beta,7alpha)-	60–57–1	1,2,4	P037	1 (0.454)
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-, (1alpha,2beta,2alpha,3beta,6beta,6alpha,6beta,7beta,7alpha)-, & metabolites.	72–20–8	1,2,4	P051	1 (0.454)
Dimethoate	60–51–5	4	P044	10 (4.54)
3,3'-Dimethoxybenzidine	119–90–4	3,4	U091	100 (45.4)
Dimethylamine	124–40–3	1,4	U092	1000 (454)
Dimethyl aminoazobenzene	60–11–7	3,4	U093	10 (4.54)
p-Dimethylaminoazobenzene	60–11–7	3,4	U093	10 (4.54)
N,N-Dimethylaniline	121–69–7	3		100 (45.4)
7,12-Dimethylbenz[ajanthracene	57–97–6	4	U094	1 (0.454)
3,3'-Dimethylbenzidine	119–93–7	3,4	U095	10 (4.54)
alpha, alpha-Dimethylbenzylhydroperoxide	80–15–9	4	U096	10 (4.54)
Dimethylcarbomoyl chloride	79–44–7	3,4	U097	1 (0.454)
Dimethylformamide	68–12–2	3		100 (45.4)
1,1-Dimethylhydrazine	57–14–7	3,4	U098	10 (4.54)
1,2-Dimethylhydrazine	540–73–8	4	U099	1 (0.454)
alpha, alpha-Dimethylphenethylamine	122–09–8	4	P046	5000 (2270)
2,4-Dimethylphenol	105–67–9	2,4	U101	100 (45.4)
Dimethyl phthalate	131–11–3	2,3,4	U102	5000 (2270)
Dimethyl sulfate	77–78–1	3,4	U103	100 (45.4)
Dimetilan	644644	4	P191	1 (0.454)
Dinitrobenzene (mixed)	25154–54–5	1		100 (45.4)
m-Dinitrobenzene	99–65–0			
o-Dinitrobenzene	528–29–0			
p-Dinitrobenzene	100–25–4			
4,6-Dinitro-o-cresol, and salts	534–52–1	2,3,4	P047	10 (4.54)
Dinitrophenol	25550–58–7	1		10 (4.54)
2,5-Dinitrophenol	329–71–5			
2,6-Dinitrophenol	573–56–8			
2,4-Dinitrophenol	51–28–5	1,2,3,4	P048	10 (4.54)
Dinitrotoluene	25321–14–6	1,2		10 (4.54)
3,4-Dinitrotoluene	610–39–9			
2,4-Dinitrotoluene	121–14–2	1,2,3,4	U105	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
2,6-Dinitrotoluene	606-20-2	1,2,4	U106	100 (45.4)
Dinoseb	88-85-7	4	P020	1000 (454)
Di-n-octyl phthalate	117-84-0	2,4	U107	5000 (2270)
1,4-Dioxane	123-91-1	3,4	U108	100 (45.4)
DIPHENYLHYDRAZINE	N.A.	2		**
1,2-Diphenylhydrazine	122-66-7	2,3,4	U109	10 (4.54)
Diphosphoramidate, octamethyl-	152-16-9	4	P085	100 (45.4)
Diphosphoric acid, tetraethyl ester	107-49-3	1,4	P111	10 (4.54)
Dipropylamine	142-84-7	4	U110	5000 (2270)
Di-n-propylnitrosamine	621-64-7	2,4	U111	10 (4.54)
Diquat	85-00-7	1		1000 (454)
	2764-72-9			
Disulfoton	298-04-4	1,4	P039	1 (0.454)
Dithiobiuret	541-53-7	4	P049	100 (45.4)
1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)carbonyl]oxime.	26419738	4	P185	100 (45.4)
Diuron	330-54-1	1		100 (45.4)
Dodecylbenzenesulfonic acid	27176-87-0	1		1000 (454)
Endosulfan	115-29-7	1,2,4	P050	1 (0.454)
alpha-Endosulfan	959-98-8	2		1 (0.454)
beta-Endosulfan	33213-65-9	2		1 (0.454)
ENDOSULFAN AND METABOLITES	N.A.	2		**
Endosulfan sulfate	1031-07-8	2		1 (0.454)
Endothall	145-73-3	4	P088	1000 (454)
Endrin	72-20-8	1,2,4	P051	1 (0.454)
Endrin aldehyde	7421-93-4	2		1 (0.454)
ENDRIN AND METABOLITES	N.A.	2		**
Endrin, & metabolites	72-20-8	1,2,4	P051	1 (0.454)
Epichlorohydrin	106-89-8	1,3,4	U041	100 (45.4)
Epinephrine	51-43-4	4	P042	1000 (454)
1,2-Epoxybutane	106-88-7	3		100 (45.4)
Ethanal	75-07-0	1,3,4	U001	1000 (454)
Ethanamine, N,N-diethyl-	121-44-8	1,3,4	U404	5000 (2270)
Ethanamine, N-ethyl-N-nitroso-	55-18-5	4	U174	1 (0.454)
1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-	91-80-5	4	U155	5000 (2270)
Ethane, 1,2-dibromo-	106-93-4	1,3,4	U067	1 (0.454)
Ethane, 1,1-dichloro-	75-34-3	2,3,4	U076	1000 (454)
Ethane, 1,2-dichloro-	107-06-2	1,2,3,4	U077	100 (45.4)
Ethanedinitrile	460-19-5	4	P031	100 (45.4)
Ethane, hexachloro-	67-72-1	2,3,4	U131	100 (45.4)
Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-	111-91-1	2,4	U024	1000 (454)
Ethane, 1,1'-oxybis-	60-29-7	4	U117	100 (45.4)
Ethane, 1,1'-oxybis[2-chloro-	111-44-4	2,3,4	U025	10 (4.54)
Ethane, pentachloro-	76-01-7	4	U184	10 (4.54)
Ethane, 1,1,1,2-tetrachloro-	630-20-6	4	U208	100 (45.4)
Ethane, 1,1,2,2-tetrachloro-	79-34-5	2,3,4	U209	100 (45.4)
Ethanethioamide	62-55-5	4	U218	10 (4.54)
Ethane, 1,1,1-trichloro-	71-55-6	2,3,4	U226	1000 (454)
Ethane, 1,1,2-trichloro-	79-00-5	2,3,4	U227	100 (45.4)
Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester.	30558431	4	U394	5000 (2270)
Ethanimidothioic acid, 2-(dimethylamino)-N-[[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester.	23135220	4	P194	100 (45.4)
Ethanimidothioic acid, N-[[[(methylamino) carbonyl]oxy]-, methyl ester.	16752-77-5	4	P066	100 (45.4)
Ethanimidothioic acid, N,N'-[thiobis[(methylimino) carbonyloxy]]bis-, dimethyl ester.	59669260	4	U410	100 (45.4)
Ethanol, 2-ethoxy-	110-80-5	4	U359	1000 (454)
Ethanol, 2,2'-(nitrosoimino)bis-	1116-54-7	4	U173	1 (0.454)
Ethanol, 2,2'-oxybis-, dicarbamate	5952261	4	U395	5000 (2270)
Ethanone, 1-phenyl-	98-86-2	3,4	U004	5000 (2270)
Ethene, chloro-	75-01-4	2,3,4	U043	1 (0.454)
Ethene, (2-chloroethoxy)-	110-75-8	2,4	U042	1000 (454)
Ethene, 1,1-dichloro-	75-35-4	1,2,3,4	U078	100 (45.4)
Ethene, 1,2-dichloro-(E)	156-60-5	2,4	U079	1000 (454)
Ethene, tetrachloro-	127-18-4	2,3,4	U210	100 (45.4)
Ethene, trichloro-	79-01-6	1,2,3,4	U228	100 (45.4)
Ethion	563-12-2	1		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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Ethyl acetate	141-78-6	4	U112	5000 (2270)
Ethyl acrylate	140-88-5	3,4	U113	1000 (454)
Ethylbenzene	100-41-4	1,2,3		1000 (454)
Ethyl carbamate	51-79-6	3,4	U238	100 (45.4)
Ethyl chloride	75-00-3	2,3		100 (45.4)
Ethyl cyanide	107-12-0	4	P101	10 (4.54)
Ethylenebisdithiocarbamic acid, salts & esters	111-54-6	4	U114	5000 (2270)
Ethylenediamine	107-15-3	1		5000 (2270)
Ethylenediamine-tetraacetic acid (EDTA)	60-00-4	1		5000 (2270)
Ethylene dibromide	106-93-4	1,3,4	U067	1 (0.454)
Ethylene dichloride	107-06-2	1,2,3,4	U077	100 (45.4)
Ethylene glycol	107-21-1	3		5000 (2270)
Ethylene glycol monoethyl ether	110-80-5	4	U359	1000 (454)
Ethylene oxide	75-21-8	3,4	U115	10 (4.54)
Ethylenethiourea	96-45-7	3,4	U116	10 (4.54)
Ethylenimine	151-56-4	3,4	P054	1 (0.454)
Ethyl ether	60-29-7	4	U117	100 (45.4)
Ethylidene dichloride	75-34-3	2,3,4	U076	1000 (454)
Ethyl methacrylate	97-63-2	4	U118	1000 (454)
Ethyl methanesulfonate	62-50-0	4	U119	1 (0.454)
Fampfur	52-85-7	4	P097	1000 (454)
Ferric ammonium citrate	1185-57-5	1		1000 (454)
Ferric ammonium oxalate	2944-67-4	1		1000 (454)
	55488-87-4			
Ferric chloride	7705-08-0	1		1000 (454)
Ferric fluoride	7783-50-8	1		100 (45.4)
Ferric nitrate	10421-48-4	1		1000 (454)
Ferric sulfate	10028-22-5	1		1000 (454)
Ferrous ammonium sulfate	10045-89-3	1		1000 (454)
Ferrous chloride	7758-94-3	1		100 (45.4)
Ferrous sulfate	7720-78-7	1		1000 (454)
	7782-63-0			
Fine mineral fibers <sup>c</sup>	N.A.	3		**
Fluoranthene	206-44-0	2,4	U120	100 (45.4)
Fluorene	86-73-7	2		5000 (2270)
Fluorine	7782-41-4	4	P056	10 (4.54)
Fluoroacetamide	640-19-7	4	P057	100 (45.4)
Fluoroacetic acid, sodium salt	62-74-8	4	P058	10 (4.54)
Formaldehyde	50-00-0	1,3,4	U122	100 (45.4)
Formetanate hydrochloride	23422539	4	P198	100 (45.4)
Formic acid	64-18-6	1,4	U123	5000 (2270)
Formparanate	17702577	4	P197	100 (45.4)
Fulminic acid, mercury(2 + )salt	628-86-4	4	P065	10 (4.54)
Fumaric acid	110-17-8	1		5000 (2270)
Furan	110-00-9	4	U124	100 (45.4)
2-Furancarboxaldehyde	98-01-1	1,4	U125	5000 (2270)
2,5-Furandione	108-31-6	1,3,4	U147	5000 (2270)
Furan, tetrahydro-	109-99-9	4	U213	1000 (454)
Furfural	98-01-1	1,4	U125	5000 (2270)
Furfuran	110-00-9	4	U124	100 (45.4)
Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-	18883-66-4	4	U206	1 (0.454)
D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)-carbonyl]amino]-	18883-66-4	4	U206	1 (0.454)
Glycidylaldehyde	765-34-4	4	U126	10 (4.54)
Glycol ethers <sup>d</sup>	N.A.	3		**
Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	4	U163	10 (4.54)
Guthion	86-50-0	1		1 (0.454)
HALOETHERS	N.A.	2		**
HALOMETHANES	N.A.	2		**
Heptachlor	76-44-8	1,2,3,4	P059	1 (0.454)
HEPTACHLOR AND METABOLITES	N.A.	2		**
Heptachlor epoxide	1024-57-3	2		1 (0.454)
Hexachlorobenzene	118-74-1	2,3,4	U127	10 (4.54)
Hexachlorobutadiene	87-68-3	2,3,4	U128	1 (0.454)
HEXACHLOROCYCLOHEXANE (all isomers)	608-73-1	2		**
Hexachlorocyclopentadiene	77-47-4	1,2,3,4	U130	10 (4.54)
Hexachloroethane	67-72-1	2,3,4	U131	100 (45.4)
Hexachlorophene	70-30-4	4	U132	100 (45.4)
Hexachloropropene	1888-71-7	4	U243	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Hexaethyl tetraphosphate	757-58-4	4	P062	100 (45.4)
Hexamethylene-1,6-diisocyanate	822-06-0	3		100 (45.4)
Hexamethylphosphoramide	680-31-9	3		1 (0.454)
Hexane	110-54-3	3		5000 (2270)
Hexone	108-10-1	3,4	U161	5000 (2270)
Hydrazine	302-01-2	3,4	U133	1 (0.454)
Hydrazinecarbothioamide	79-19-6	4	P116	100 (45.4)
Hydrazine, 1,2-diethyl-	1615-80-1	4	U086	10 (4.54)
Hydrazine, 1,1-dimethyl-	57-14-7	3,4	U098	10 (4.54)
Hydrazine, 1,2-dimethyl-	540-73-8	4	U099	1 (0.454)
Hydrazine, 1,2-diphenyl-	122-66-7	2,3,4	U109	10 (4.54)
Hydrazine, methyl-	60-34-4	3,4	P068	10 (4.54)
Hydrochloric acid	7647-01-0	1,3		5000 (2270)
Hydrocyanic acid	74-90-8	1,4	P063	10 (4.54)
Hydrofluoric acid	7664-39-3	1,3,4	U134	100 (45.4)
Hydrogen chloride	7647-01-0	1,3		5000 (2270)
Hydrogen cyanide	74-90-8	1,4	P063	10 (4.54)
Hydrogen fluoride	7664-39-3	1,3,4	U134	100 (45.4)
Hydrogen phosphide	7803-51-2	3,4	P096	100 (45.4)
Hydrogen sulfide H2S	7783-06-4	1,4	U135	100 (45.4)
Hydroperoxide, 1-methyl-1-phenylethyl-	80-15-9	4	U096	10 (4.54)
Hydroquinone	123-31-9	3		100 (45.4)
2-Imidazolidinethione	96-45-7	3,4	U116	10 (4.54)
Indeno(1,2,3-cd)pyrene	193-39-5	2,4	U137	100 (45.4)
Iodomethane	74-88-4	3,4	U138	100 (45.4)
1,3-Isobenzofurandione	85-44-9	3,4	U190	5000 (2270)
Isobutyl alcohol	78-83-1	4	U140	5000 (2270)
Isodrin	465-73-6	4	P060	1 (0.454)
Isolan	119380	4	P192	100 (45.4)
Isophorone	78-59-1	2,3		5000 (2270)
Isoprene	78-79-5	1		100 (45.4)
Isopropanolamine dodecylbenzenesulfonate	42504-46-1	1		1000 (454)
3-Isopropylphenyl N-methylcarbamate	64006	4	P202	10 (4.54)
Isosafrole	120-58-1	4	U141	100 (45.4)
3(2H)-Isoxazolone, 5-(aminomethyl)-	2763-96-4	4	P007	1000 (454)
Kepone	143-50-0	1,4	U142	1 (0.454)
Lasiocarpine	303-34-4	4	U143	10 (4.54)
Lead††	7439-92-1	2		10 (4.54)
Lead acetate	301-04-2	1,4	U144	10 (4.54)
LEAD AND COMPOUNDS	N.A.	2,3		**
Lead arsenate	7784-40-9	1		1 (0.454)
	7645-25-2			
	10102-48-4			
Lead, bis(acetato-O)tetrahydroxytri-	1335-32-6	4	U146	10 (4.54)
Lead chloride	7758-95-4	1		10 (4.54)
Lead compounds	N.A.	2,3		**
Lead fluoborate	13814-96-5	1		10 (4.54)
Lead fluoride	7783-46-2	1		10 (4.54)
Lead iodide	10101-63-0	1		10 (4.54)
Lead nitrate	10099-74-8	1		10 (4.54)
Lead phosphate	7446-27-7	4	U145	10 (4.54)
Lead stearate	1072-35-1	1		10 (4.54)
	7428-48-0			
	52652-59-2			
	56189-09-4			
Lead subacetate	1335-32-6	4	U146	10 (4.54)
Lead sulfate	7446-14-2	1		10 (4.54)
	15739-80-7			
Lead sulfide	1314-87-0	1		10 (4.54)
Lead thiocyanate	592-87-0	1		10 (4.54)
Lindane	58-89-9	1,2,3,4	U129	1 (0.454)
Lindane (all isomers)	58-89-9	1,2,3,4	U129	1 (0.454)
Lithium chromate	14307-35-8	1		10 (4.54)
Malathion	121-75-5	1		100 (45.4)
Maleic acid	110-16-7	1		5000 (2270)
Maleic anhydride	108-31-6	1,3,4	U147	5000 (2270)
Maleic hydrazide	123-33-1	4	U148	5000 (2270)
Malononitrile	109-77-3	4	U149	1000 (454)
Manganese, bis (dimethylcarbamodithioato-S,S')-	15339363	4	P196	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Manganese Compounds	N.A.	3		**
Manganese dimethyldithiocarbamate	15339363	4	P196	10 (4.54)
MDI	101-68-8	3		5000 (2270)
MEK	78-93-3	3,4	U159	5000 (2270)
Melphalan	148-82-3	4	U150	1 (0.454)
Mercaptodimethur	2032-65-7	1,4	P199	10 (4.54)
Mercuric cyanide	592-04-1	1		1 (0.454)
Mercuric nitrate	10045-94-0	1		10 (4.54)
Mercuric sulfate	7783-35-9	1		10 (4.54)
Mercuric thiocyanate	592-85-8	1		10 (4.54)
Mercurous nitrate	10415-75-5	1	10 (4.54)	7782-86-7
Mercury	7439-97-6	2,3,4	U151	1 (0.454)
MERCURY AND COMPOUNDS	N.A.	2,3		**
Mercury, (acetato-O)phenyl-	62-38-4	4	P092	100 (45.4)
Mercury Compounds	N.A.	2,3		**
Mercury fulminate	628-86-4	4	P065	10 (4.54)
Methacrylonitrile	126-98-7	4	U152	1000 (454)
Methanamine, N-methyl-	124-40-3	1,4	U092	1000 (454)
Methanamine, N-methyl-N-nitroso-	62-75-9	2,3,4	P082	10 (4.54)
Methane, bromo-	74-83-9	2,3,4	U029	1000 (454)
Methane, chloro-	74-87-3	2,3,4	U045	100 (45.4)
Methane, chloromethoxy-	107-30-2	3,4	U046	10 (4.54)
Methane, dibromo-	74-95-3	4	U068	1000 (454)
Methane, dichloro-	75-09-2	2,3,4	U080	1000 (454)
Methane, dichlorodifluoro-	75-71-8	4	U075	5000 (2270)
Methane, iodo-	74-88-4	3,4	U138	100 (45.4)
Methane, isocyanato-	624-83-9	3,4	P064	10 (4.54)
Methane, oxybis(chloro-	542-88-1	2,3,4	P016	10 (4.54)
Methanesulfonyl chloride, trichloro-	594-42-3	4	P118	100 (45.4)
Methanesulfonic acid, ethyl ester	62-50-0	4	U119	1 (0.454)
Methane, tetrachloro-	56-23-5	1,2,3,4	U211	10 (4.54)
Methane, tetranitro-	509-14-8	4	P112	10 (4.54)
Methanethiol	74-93-1	1,4	U153	100 (45.4)
Methane, tribromo-	75-25-2	2,3,4	U225	100 (45.4)
Methane, trichloro-	67-66-3	1,2,3,4	U044	10 (4.54)
Methane, trichlorofluoro-	75-69-4	4	U121	5000 (2270)
Methanimidamide, N,N-dimethyl-N'-[3-[(methylamino)carbonyl]oxy]phenyl]-, monohydrochloride.	23422539	4	P198	100 (45.4)
Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[[(methylamino) carbonyl]oxy]phenyl]-6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide.	17702577	4	P197	100 (45.4)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-	115-29-7	1,2,4	P050	1 (0.454)
4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	76-44-8	1,2,3,4	P059	1 (0.454)
Methanol	57-74-9	1,2,3,4	U036	1 (0.454)
Methapyrilene	67-56-1	3,4	U154	5000 (2270)
1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-	91-80-5	4	U155	5000 (2270)
Methiocarb	143-50-0	1,4	U142	1 (0.454)
Methomyl	2032-65-7	1,4	P199	10 (4.54)
Methoxychlor	16752-77-5	4	P066	100 (45.4)
Methyl alcohol	72-43-5	1,3,4	U247	1 (0.454)
2-Methyl aziridine	67-56-1	3,4	U154	5000 (2270)
Methyl bromide	75-55-8	3,4	P067	1 (0.454)
1-Methylbutadiene	74-83-9	2,3,4	U029	1000 (454)
Methyl chloride	504-60-9	4	U186	100 (45.4)
Methyl chlorocarbonate	74-87-3	2,3,4	U045	100 (45.4)
Methyl chloroform	79-22-1	4	U156	1000 (454)
3-Methylcholanthrene	71-55-6	2,3,4	U226	1000 (454)
4,4'-Methylenebis(2-chloroaniline)	56-49-5	4	U157	10 (4.54)
Methylene bromide	101-14-4	3,4	U158	10 (4.54)
Methylene chloride	74-95-3	4	U068	1000 (454)
4,4'-Methylenedianiline	75-09-2	2,3,4	U080	1000 (454)
Methylene diphenyl diisocyanate	101-77-9	3		10 (4.54)
Methyl ethyl ketone	101-68-8	3		5000 (2270)
Methyl ethyl ketone peroxide	78-93-3	3,4	U159	5000 (2270)
Methyl hydrazine	1338-23-4	4	U160	10 (4.54)
	60-34-4	3,4	P068	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Methyl iodide .....	74-88-4	3,4	U138	100 (45.4)
Methyl isobutyl ketone .....	108-10-1	3,4	U161	5000 (2270)
Methyl isocyanate .....	624-83-9	3,4	P064	10 (4.54)
2-Methylacetonitrile .....	75-86-5	1,4	P069	10 (4.54)
Methyl mercaptan .....	74-93-1	1,4	U153	100 (45.4)
Methyl methacrylate .....	80-62-6	1,3,4	U162	1000 (454)
Methyl parathion .....	298-00-0	1,4	P071	100 (45.4)
4-Methyl-2-pentanone .....	108-10-1	3,4	U161	5000 (2270)
Methyl tert-butyl ether .....	1634-04-4	3		1000 (454)
Methylthiouracil .....	56-04-2	4	U164	10 (4.54)
Metolcarb .....	1129415	4	P190	1000 (454)
Mevinphos .....	7786-34-7	1		10 (4.54)
Mexacarbate .....	315-18-4	1,4	P128	1000 (454)
Mitomycin C .....	50-07-7	4	U010	10 (4.54)
MNNG .....	70-25-7	4	U163	10 (4.54)
Monoethylamine .....	75-04-7	1		100 (45.4)
Monomethylamine .....	74-89-5	1		100 (45.4)
Naled .....	300-76-5	1		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)-	20830-81-3	4	U059	10 (4.54)
1-Naphthalenamine .....	134-32-7	4	U167	100 (45.4)
2-Naphthalenamine .....	91-59-8	4	U168	10 (4.54)
Naphthalenamine, N,N'-bis(2-chloroethyl)- .....	494-03-1	4	U026	100 (45.4)
Naphthalene .....	91-20-3	1,2,3,4	U165	100 (45.4)
Naphthalene, 2-chloro- .....	91-58-7	2,4	U047	5000 (2270)
1,4-Naphthalenedione .....	130-15-4	4	U166	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.	72-57-1	4	U236	10 (4.54)
1-Naphthalenol, methylcarbamate .....	63-25-2	1,3,4	U279	100 (45.4)
Naphthenic acid .....	1338-24-5	1		100 (45.4)
1,4-Naphthoquinone .....	130-15-4	4	U166	5000 (2270)
alpha-Naphthylamine .....	134-32-7	4	U167	100 (45.4)
beta-Naphthylamine .....	91-59-8	4	U168	10 (4.54)
alpha-Naphthylthiourea .....	86-88-4	4	P072	100 (45.4)
Nickel†† .....	7440-02-0	2		100 (45.4)
Nickel ammonium sulfate .....	15699-18-0	1		100 (45.4)
NICKEL AND COMPOUNDS .....	N.A.	2,3		**
Nickel carbonyl Ni(CO)4, (T-4) .....	13463-39-3	4	P073	10 (4.54)
Nickel chloride .....	7718-54-9	1		100 (45.4)
	37211-05-5			
Nickel compounds .....	N.A.	2,3		**
Nickel cyanide Ni(CN)2 .....	557-19-7	4	P074	10 (4.54)
Nickel hydroxide .....	12054-48-7	1		10 (4.54)
Nickel nitrate .....	14216-75-2	1		100 (45.4)
Nickel sulfate .....	7786-81-4	1		100 (45.4)
Nicotine, & salts .....	54-11-5	4	P075	100 (45.4)
Nitric acid .....	7697-37-2	1		1000 (454)
Nitric acid, thallium (1 + ) salt .....	10102-45-1	4	U217	100 (45.4)
Nitric oxide .....	10102-43-9	4	P076	10 (4.54)
p-Nitroaniline .....	100-01-6	4	P077	5000 (2270)
Nitrobenzene .....	98-95-3	1,2,3,4	U169	1000 (454)
4-Nitrobiphenyl .....	92-93-3	3		10 (4.54)
Nitrogen dioxide .....	10102-44-0	1,4	P078	10 (4.54)
	10544-72-6			
Nitrogen oxide NO .....	10102-43-9	4	P076	10 (4.54)
Nitrogen oxide NO2 .....	10102-44-0	1,4	P078	10 (4.54)
	10544-72-6			
Nitroglycerine .....	55-63-0	4	P081	10 (4.54)
Nitrophenol (mixed) .....	25154-55-6	1		100 (45.4)
m-Nitrophenol .....	554-84-7			
o-Nitrophenol .....	88-75-5	1,2		100 (45.4)
p-Nitrophenol .....	100-02-7	1,2,3,4	U170	100 (45.4)
2-Nitrophenol .....	88-75-5	1,2		100 (45.4)
4-Nitrophenol .....	100-02-7	1,2,3,4	U170	100 (45.4)
NITROPHENOLS .....	N.A.	2		**
2-Nitropropane .....	79-46-9	3,4	U171	10 (4.54)
NITROSAMINES .....	N.A.	2		**

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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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
N-Nitrosodi-n-butylamine	924-16-3	4	U172	10 (4.54)
N-Nitrosodiethanolamine	1116-54-7	4	U173	1 (0.454)
N-Nitrosodimethylamine	55-18-5	4	U174	1 (0.454)
N-Nitrosodiphenylamine	62-75-9	2,3,4	P082	10 (4.54)
N-Nitrosodiphenylamine	86-30-6	2		100 (45.4)
N-Nitroso-N-ethylurea	759-73-9	4	U176	1 (0.454)
N-Nitroso-N-methylurea	684-93-5	3,4	U177	1 (0.454)
N-Nitroso-N-methylurethane	615-53-2	4	U178	1 (0.454)
N-Nitrosomethylvinylamine	4549-40-0	4	P084	10 (4.54)
N-Nitrosomorpholine	59-89-2	3		1 (0.454)
N-Nitrosopiperidine	100-75-4	4	U179	10 (4.54)
N-Nitrosopyrrolidine	930-55-2	4	U180	1 (0.454)
Nitrotoluene	1321-12-6	1		1000 (454)
m-Nitrotoluene	99-08-1			
o-Nitrotoluene	88-72-2			
p-Nitrotoluene	99-99-0			
5-Nitro-o-toluidine	99-55-8	4	U181	100 (45.4)
Octamethylpyrophosphoramide	152-16-9	4	P085	100 (45.4)
Osmium oxide OsO <sub>4</sub> , (T-4)-	20816-12-0	4	P087	1000 (454)
Osmium tetroxide	20816-12-0	4	P087	1000 (454)
7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	145-73-3	4	P088	1000 (454)
Oxamyl	23135220	4	P194	100 (45.4)
1,2-Oxathiolane, 2,2-dioxide	1120-71-4	3,4	U193	10 (4.54)
2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide.	50-18-0	4	U058	10 (4.54)
Oxirane	75-21-8	3,4	U115	10 (4.54)
Oxiranecarboxyaldehyde	765-34-4	4	U126	10 (4.54)
Oxirane, (chloromethyl)-	106-89-8	1,3,4	U041	100 (45.4)
Paraformaldehyde	30525-89-4	1		1000 (454)
Paraldehyde	123-63-7	4	U182	1000 (454)
Parathion	56-38-2	1,3,4	P089	10 (4.54)
PCBs	1336-36-3	1,2,3		1 (0.454)
PCNB	82-68-8	3,4	U185	100 (45.4)
Pentachlorobenzene	608-93-5	4	U183	10 (4.54)
Pentachloroethane	76-01-7	4	U184	10 (4.54)
Pentachloronitrobenzene	82-68-8	3,4	U185	100 (45.4)
Pentachlorophenol	87-86-5	1,2,3,4	See F027	10 (4.54)
1,3-Pentadiene	504-60-9	4	U186	100 (45.4)
Perchloroethylene	127-18-4	2,3,4	U210	100 (45.4)
Phenacetin	62-44-2	4	U187	100 (45.4)
Phenanthrene	85-01-8	2		5000 (2270)
Phenol	108-95-2	1,2,3,4	U188	1000 (454)
Phenol, 2-chloro-	95-57-8	2,4	U048	100 (45.4)
Phenol, 4-chloro-3-methyl-	59-50-7	2,4	U039	5000 (2270)
Phenol, 2-cyclohexyl-4,6-dinitro-	131-89-5	4	P034	100 (45.4)
Phenol, 2,4-dichloro-	120-83-2	2,4	U081	100 (45.4)
Phenol, 2,6-dichloro-	87-65-0	4	U082	100 (45.4)
Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)	56-53-1	4	U089	1 (0.454)
Phenol, 2,4-dimethyl-	105-67-9	2,4	U101	100 (45.4)
Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester).	315-18-4	1,4	P128	1000 (454)
Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate	2032-65-7	1,4	P199	10 (4.54)
Phenol, 2,4-dinitro-	51-28-5	1,2,3,4	P048	10 (4.54)
Phenol, methyl-	1319-77-3	1,3,4	U052	100 (45.4)
Phenol, 2-methyl-4,6-dinitro-, & salts	534-52-1	2,3,4	P047	10 (4.54)
Phenol, 2,2'-methylenebis[3,4,6-trichloro-	70-30-4	4	U132	100 (45.4)
Phenol, 2-(1-methylethoxy)-, methylcarbamate	114-26-1	3,4	U411	100 (45.4)
Phenol, 3-(1-methylethyl)-, methyl carbamate	64006	4	P202	10 (4.54)
Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate	2631370	4	P201	1000 (454)
Phenol, 2-(1-methylpropyl)-4,6-dinitro-	88-85-7	4	P020	1000 (454)
Phenol, 4-nitro-	100-02-7	1,2,3,4	U170	100 (45.4)
Phenol, pentachloro-	87-86-5	1,2,3,4	See F027	10 (4.54)
Phenol, 2,3,4,6-tetrachloro-	58-90-2	4	See F027	10 (4.54)
Phenol, 2,4,5-trichloro-	95-95-4	1,3,4	See F027	10 (4.54)
Phenol, 2,4,6-trichloro-	88-06-2	1,2,3,4	See F027	10 (4.54)
Phenol, 2,4,6-trinitro-, ammonium salt	131-74-8	4	P009	10 (4.54)
L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-	148-82-3	4	U150	1 (0.454)
p-Phenylenediamine	106-50-3	3		5000 (2270)
Phenylmercury acetate	62-38-4	4	P092	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Phenylthiourea .....	103-85-5	4	P093	100 (45.4)
Phorate .....	298-02-2	4	P094	10 (4.54)
Phosgene .....	75-44-5	1,3,4	P095	10 (4.54)
Phosphine .....	7803-51-2	3,4	P096	100 (45.4)
Phosphoric acid .....	7664-38-2	1		5000 (2270)
Phosphoric acid, diethyl 4-nitrophenyl ester .....	311-45-5	4	P041	100 (45.4)
Phosphoric acid, lead(2 + ) salt (2:3) .....	7446-27-7	4	U145	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester.	298-04-4	1,4	P039	1 (0.454)
Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester.	298-02-2	4	P094	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-methyl ester .....	3288-58-2	4	U087	5000 (2270)
Phosphorodithioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester.	60-51-5	4	P044	10 (4.54)
Phosphorofluoric acid, bis(1-methylethyl) ester .....	55-91-4	4	P043	100 (45.4)
Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester .....	56-38-2	1,3,4	P089	10 (4.54)
Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester .....	297-97-2	4	P040	100 (45.4)
Phosphorothioic acid, O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl ester.	52-85-7	4	P097	1000 (454)
Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester.	298-00-0	1,4	P071	100 (45.4)
Phosphorus .....	7723-14-0	1,3		1 (0.454)
Phosphorus oxychloride .....	10025-87-3	1		1000 (454)
Phosphorus pentasulfide .....	1314-80-3	1,4	U189	100 (45.4)
Phosphorus sulfide .....	1314-80-3	1,4	U189	100 (45.4)
Phosphorus trichloride .....	7719-12-2	1		1000 (454)
Physostigmine .....	57476	4	P204	100 (45.4)
Physostigmine salicylate .....	57647	4	P188	100 (45.4)
PHTHALATE ESTERS .....	N.A.	2		**
Phthalic anhydride .....	85-44-9	3,4	U190	5000 (2270)
2-Picoline .....	109-06-8	4	U191	5000 (2270)
Piperidine, 1-nitroso- .....	100-75-4	4	U179	10 (4.54)
Plumbane, tetraethyl- .....	78-00-2	1,4	P110	10 (4.54)
POLYCHLORINATED BIPHENYLS .....	1336-36-3	1,2,3		1 (0.454)
Polycyclic Organic Matter <sup>e</sup> .....	N.A.	3		**
POLYNUCLEAR AROMATIC HYDROCARBONS .....	N.A.	2		**
Potassium arsenate .....	7784-41-0	1		1 (0.454)
Potassium arsenite .....	10124-50-2	1		1 (0.454)
Potassium bichromate .....	7778-50-9	1		10 (4.54)
Potassium chromate .....	7789-00-6	1		10 (4.54)
Potassium cyanide K(CN) .....	151-50-8	1,4	P098	10 (4.54)
Potassium hydroxide .....	1310-58-3	1		1000 (454)
Potassium permanganate .....	7722-64-7	1		100 (45.4)
Potassium silver cyanide .....	506-61-6	4	P099	1 (0.454)
Promecarb .....	2631370	4	P201	1000 (454)
Pronamide .....	23950-58-5	4	U192	5000 (2270)
Propanal, 2-methyl-2-(methylsulfonyl)-, O-[(methylamino)carbonyl] oxime.	1646884	4	P203	100 (45.4)
Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime.	116-06-3	4	P070	1 (0.454)
1-Propanamine .....	107-10-8	4	U194	5000 (2270)
1-Propanamine, N-propyl- .....	142-84-7	4	U110	5000 (2270)
1-Propanamine, N-nitroso-N-propyl- .....	621-64-7	2,4	U111	10 (4.54)
Propane, 1,2-dibromo-3-chloro- .....	96-12-8	3,4	U066	1 (0.454)
Propane, 1,2-dichloro- .....	78-87-5	1,2,3,4	U083	1000 (454)
Propanedinitrile .....	109-77-3	4	U149	1000 (454)
Propanenitrile .....	107-12-0	4	P101	10 (4.54)
Propanenitrile, 3-chloro- .....	542-76-7	4	P027	1000 (454)
Propanenitrile, 2-hydroxy-2-methyl- .....	75-86-5	1,4	P069	10 (4.54)
Propane, 2-nitro- .....	79-46-9	3,4	U171	10 (4.54)
Propane, 2,2'-oxybis[2-chloro- .....	108-60-1	2,4	U027	1000 (454)
1,3-Propane sultone .....	1120-71-4	3,4	U193	10 (4.54)
1,2,3-Propanetriol, trinitrate .....	55-63-0	4	P081	10 (4.54)
Propanoic acid, 2-(2,4,5-trichlorophenoxy)- .....	93-72-1	1,4	See F027	100 (45.4)
1-Propanol, 2,3-dibromo-, phosphate (3:1) .....	126-72-7	4	U235	10 (4.54)
1-Propanol, 2-methyl- .....	78-83-1	4	U140	5000 (2270)
2-Propanone .....	67-64-1	4	U002	5000 (2270)
2-Propanone, 1-bromo- .....	598-31-2	4	P017	1000 (454)
Propargite .....	2312-35-8	1		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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Propargyl alcohol	107-19-7	4	P102	1000 (454)
2-Propenal	107-02-8	1,2,3,4	P003	1 (0.454)
2-Propenamide	79-06-1	3,4	U007	5000 (2270)
1-Propene, 1,3-dichloro-	542-75-6	1,2,3,4	U084	100 (45.4)
1-Propene, 1,1,2,3,3,3-hexachloro-	1888-71-7	4	U243	1000 (454)
2-Propenenitrile	107-13-1	1,2,3,4	U009	100 (45.4)
2-Propenenitrile, 2-methyl-	126-98-7	4	U152	1000 (454)
2-Propenoic acid	79-10-7	3,4	U008	5000 (2270)
2-Propenoic acid, ethyl ester	140-88-5	3,4	U113	1000 (454)
2-Propenoic acid, 2-methyl-, ethyl ester	97-63-2	4	U118	1000 (454)
2-Propenoic acid, 2-methyl-, methyl ester	80-62-6	1,3,4	U162	1000 (454)
2-Propen-1-ol	107-18-6	1,4	P005	100 (45.4)
Propham	122429	4	U373	1000 (454)
beta-Propiolactone	57-57-8	3		10 (4.54)
Propionaldehyde	123-38-6	3	1000 (454)	
Propionic acid	79-09-4	1		5000 (2270)
Propionic anhydride	123-62-6	1		5000 (2270)
Propoxur (Baygon)	114-26-1	3,4	U411	100 (45.4)
n-Propylamine	107-10-8	4	U194	5000 (2270)
Propylene dichloride	78-87-5	1,2,3,4	U083	1000 (454)
Propylene oxide	75-56-9	1,3		100 (45.4)
1,2-Propylenimine	75-55-8	3,4	P067	1 (0.454)
2-Propyn-1-ol	107-19-7	4	P102	1000 (454)
Prosulfocarb	52888809	4	U387	5000 (2270)
Pyrene	129-00-0	2		5000 (2270)
Pyrethrins	121-29-9	1		1 (0.454)
	121-21-1			
	8003-34-7			
3,6-Pyridazinedione, 1,2-dihydro-	123-33-1	4	U148	5000 (2270)
4-Pyridinamine	504-24-5	4	P008	1000 (454)
Pyridine	110-86-1	4	U196	1000 (454)
Pyridine, 2-methyl-	109-06-8	4	U191	5000 (2270)
Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts	54-11-5	4	P075	100 (45.4)
2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	66-75-1	4	U237	10 (4.54)
4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	56-04-2	4	U164	10 (4.54)
Pyrrolidine, 1-nitroso-	930-55-2	4	U180	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)-	57476	4	P204	100 (45.4)
Quinoline	91-22-5	1,3		5000 (2270)
Quinone	106-51-4	3,4	U197	10 (4.54)
Quintobenzene	82-68-8	3,4	U185	100 (45.4)
Radionuclides (including radon)	N.A.	3		§
Reserpine	50-55-5	4	U200	5000 (2270)
Resorcinol	108-46-3	1,4	U201	5000 (2270)
Safrole	94-59-7	4	U203	100 (45.4)
Selenious acid	7783-00-8	4	U204	10 (4.54)
Selenious acid, dithallium (1 + ) salt	12039-52-0	4	P114	1000 (454)
Selenium††	7782-49-2	2		100 (45.4)
SELENIUM AND COMPOUNDS	N.A.	2,3		**
Selenium Compounds	N.A.	2,3		**
Selenium dioxide	7446-08-4	1,4	U204	10 (4.54)
Selenium oxide	7446-08-4	1,4	U204	10 (4.54)
Selenium sulfide SeS2	7488-56-4	4	U205	10 (4.54)
Selenourea	630-10-4	4	P103	1000 (454)
L-Serine, diazoacetate (ester)	115-02-6	4	U015	1 (0.454)
Silver ††	7440-22-4	2		1000 (454)
SILVER AND COMPOUNDS	N.A.	2		**
Silver cyanide Ag(CN)	506-64-9	4	P104	1 (0.454)
Silver nitrate	7761-88-8	1		1 (0.454)
Silvex (2,4,5-TP)	93-72-1	1,4	See F027	100 (45.4)
Sodium	7440-23-5	1		10 (4.54)
Sodium arsenate	7631-89-2	1		1 (0.454)
Sodium arsenite	7784-46-5	1		1 (0.454)
Sodium azide	26628-22-8	4	P105	1000 (454)
Sodium bichromate	10588-01-9	1		10 (4.54)
Sodium bifluoride	1333-83-1	1		100 (45.4)
Sodium bisulfite	7631-90-5	1		5000 (2270)
Sodium chromate	7775-11-3	1		10 (4.54)
Sodium cyanide Na(CN)	143-33-9	1,4	P106	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Sodium dodecylbenzenesulfonate .....	25155-30-0	1		1000 (454)
Sodium fluoride .....	7681-49-4	1		1000 (454)
Sodium hydrosulfide .....	16721-80-5	1		5000 (2270)
Sodium hydroxide .....	1310-73-2	1		1000 (454)
Sodium hypochlorite .....	7681-52-9	1		100 (45.4)
	10022-70-5			
Sodium methylate .....	124-41-4	1		1000 (454)
Sodium nitrite .....	7632-00-0	1		100 (45.4)
Sodium phosphate, dibasic .....	7558-79-4	1		5000 (2270)
	10039-32-4			
	10140-65-5			
Sodium phosphate, tribasic .....	7601-54-9	1		5000 (2270)
	10101-89-0			
	10361-89-4			
Sodium selenite .....	7782-82-3	1		100 (45.4)
	10102-18-8			
Streptozotocin .....	18883-66-4	4	U206	1 (0.454)
Strontium chromate .....	7789-06-2	1		10 (4.54)
Strychnidin-10-one, & salts .....	57-24-9	1,4	P108	10 (4.54)
Strychnidin-10-one, 2,3-dimethoxy- .....	357-57-3	4	P018	100 (45.4)
Strychnine, & salts .....	57-24-9	1,4	P108	10 (4.54)
Styrene .....	100-42-5	1,3		1000 (454)
Styrene oxide .....	96-09-3	3		100 (45.4)
Sulfuric acid .....	7664-93-9	1		1000 (454)
	8014-95-7			
Sulfuric acid, dimethyl ester .....	77-78-1	3,4	U103	100 (45.4)
Sulfuric acid, dithallium (1 + ) salt .....	7446-18-6	1,4	P115	100 (45.4)
	10031-59-1			
Sulfur monochloride .....	12771-08-3	1		1000 (454)
Sulfur phosphide .....	1314-80-3	1,4	U189	100 (45.4)
2,4,5-T .....	93-76-5	1,4	See F027	1000 (454)
2,4,5-T acid .....	93-76-5	1,4	See F027	1000 (454)
2,4,5-T amines .....	2008-46-0	1		5000 (2270)
	1319-72-8			
	3813-14-7			
	6369-96-6			
	6369-97-7			
2,4,5-T esters .....	93-79-8	1		1000 (454)
	1928-47-8			
	2545-59-7			
	25168-15-4			
	61792-07-2			
2,4,5-T salts .....	13560-99-1	1		1000 (454)
TCDD .....	1746-01-6	2,3		1 (0.454)
TDE .....	72-54-8	1,2,4	U060	1 (0.454)
1,2,4,5-Tetrachlorobenzene .....	95-94-3	4	U207	5000 (2270)
2,3,7,8-Tetrachlorodibenzo-p-dioxin .....	1746-01-6	2,3		1 (0.454)
1,1,1,2-Tetrachloroethane .....	630-20-6	4	U208	100 (45.4)
1,1,2,2-Tetrachloroethane .....	79-34-5	2,3,4	U209	100 (45.4)
Tetrachloroethylene .....	127-18-4	2,3,4	U210	100 (45.4)
2,3,4,6-Tetrachlorophenol .....	58-90-2	4	See F027	10 (4.54)
Tetraethyl pyrophosphate .....	107-49-3	1,4	P111	10 (4.54)
Tetraethyl lead .....	78-00-2	1,4	P110	10 (4.54)
Tetraethyldithiopyrophosphate .....	3689-24-5	4	P109	100 (45.4)
Tetrahydrofuran .....	109-99-9	4	U213	1000 (454)
Tetranitromethane .....	509-14-8	4	P112	10 (4.54)
Tetraphosphoric acid, hexaethyl ester .....	757-58-4	4	P062	100 (45.4)
Thallic oxide .....	1314-32-5	4	P113	100 (45.4)
Thallium †† .....	7440-28-0	2		1000 (454)
THALLIUM AND COMPOUNDS .....	N.A.	2		**
Thallium (I) acetate .....	563-68-8	4	U214	100 (45.4)
Thallium (I) carbonate .....	6533-73-9	4	U215	100 (45.4)
Thallium chloride TlCl .....	7791-12-0	4	U216	100 (45.4)
Thallium (I) nitrate .....	10102-45-1	4	U217	100 (45.4)
Thallium oxide Tl <sub>2</sub> O <sub>3</sub> .....	1314-32-5	4	P113	100 (45.4)
Thallium (I) selenite .....	12039-52-0	4	P114	1000 (454)
Thallium (I) sulfate .....	7446-18-6	1,4	P115	100 (45.4)
	10031-59-1			
Thioacetamide .....	62-55-5	4	U218	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Thiodicarb .....	59669260	4	U410	100 (45.4)
Thiodiphosphoric acid, tetraethyl ester .....	3689-24-5	4	P109	100 (45.4)
Thiofanox .....	39196-18-4	4	P045	100 (45.4)
Thioimidodicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> NH .....	541-53-7	4	P049	100 (45.4)
Thiomethanol .....	74-93-1	1,4	U153	100 (45.4)
Thioperoxydicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> S <sub>2</sub> , tetramethyl- .....	137-26-8	4	U244	10 (4.54)
Thiophanate-methyl .....	23564058	4	U409	10 (4.54)
Thiophenol .....	108-98-5	4	P014	100 (45.4)
Thiosemicarbazide .....	79-19-6	4	P116	100 (45.4)
Thiourea .....	62-56-6	4	U219	10 (4.54)
Thiourea, (2-chlorophenyl)- .....	5344-82-1	4	P026	100 (45.4)
Thiourea, 1-naphthalenyl- .....	86-88-4	4	P072	100 (45.4)
Thiourea, phenyl- .....	103-85-5	4	P093	100 (45.4)
Thiram .....	137-26-8	4	U244	10 (4.54)
Tirpate .....	26419738	4	P185	100 (45.4)
Titanium tetrachloride .....	7550-45-0	3		1,2,41000 (454)
Toluene .....	108-88-3	1,2,3,4	U220	1000 (454)
Toluenediamine .....	95-80-7	3,4	U221	10 (4.54)
	496-72-0			
	823-40-5			
	25376-45-8			
2,4-Toluene diamine .....	95-80-7	3,4	U221	10 (4.54)
	496-72-0			
	823-40-5			
	25376-45-8			
Toluene diisocyanate .....	91-08-7	3,4	U223	100 (45.4)
	584-84-9			
	26471-62-5			
2,4-Toluene diisocyanate .....	91-08-7	3,4	U223	100 (45.4)
	584-84-9			
	26471-62-5			
o-Toluidine .....	95-53-4	3,4	U328	100 (45.4)
p-Toluidine .....	106-49-0	4	U353	100 (45.4)
o-Toluidine hydrochloride .....	636-21-5	4	U222	100 (45.4)
Toxaphene .....	8001-35-2	1,2,3,4	P123	1 (0.454)
2,4,5-TP acid .....	93-72-1	1,4	See F027	100 (45.4)
2,4,5-TP esters .....	32534-95-5	1		100 (45.4)
Triallate .....	2303175	4	U389	100 (45.4)
1H-1,2,4-Triazol-3-amine .....	61-82-5	4	U011	10 (4.54)
Trichlorfon .....	52-68-6	1		100 (45.4)
1,2,4-Trichlorobenzene .....	120-82-1	2,3		100 (45.4)
1,1,1-Trichloroethane .....	71-55-6	2,3,4	U226	1000 (454)
1,1,2-Trichloroethane .....	79-00-5	2,3,4	U227	100 (45.4)
Trichloroethylene .....	79-01-6	1,2,3,4	U228	100 (45.4)
Trichloromethanesulfonyl chloride .....	594-42-3	4	P118	100 (45.4)
Trichloromonofluoromethane .....	75-69-4	4	U121	5000 (2270)
Trichlorophenol .....	25167-82-2	1		10 (4.54)
2,3,4-Trichlorophenol .....	15950-66-0			
2,3,5-Trichlorophenol .....	933-78-8			
2,3,6-Trichlorophenol .....	933-75-5			
3,4,5-Trichlorophenol .....	609-19-8			
2,4,5-Trichlorophenol .....	95-95-4	1,3,4	See F027	10 (4.54)
2,4,6-Trichlorophenol .....	88-06-2	1,2,3,4	See F027	10 (4.54)
Triethanolamine dodecylbenzenesulfonate .....	27323-41-7	1		1000 (454)
Triethylamine .....	121-44-8	1,3,4	U404	5000 (2270)
Trifluralin .....	1582-09-8	3		10 (4.54)
Trimethylamine .....	75-50-3	1		100 (45.4)
2,2,4-Trimethylpentane .....	540-84-1	3		1000 (454)
1,3,5-Trinitrobenzene .....	99-35-4	4	U234	10 (4.54)
1,3,5-Trioxane, 2,4,6-trimethyl- .....	123-63-7	4	U182	1000 (454)
Tris(2,3-dibromopropyl) phosphate .....	126-72-7	4	U235	10 (4.54)
Trypan blue .....	72-57-1	4	U236	10 (4.54)
Unlisted Hazardous Wastes Characteristic of Corrosivity ..	N.A.	4	D002	100 (45.4)
Unlisted Hazardous Wastes Characteristic of Ignitability ...	N.A.	4	D001	100 (45.4)
Unlisted Hazardous Wastes Characteristic of Reactivity ...	N.A.	4	D003	100 (45.4)
Unlisted Hazardous Wastes Characteristic of Toxicity: Arsenic (D004) .....	N.A.	4	D004	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Barium (D005)	N.A.	4	D005	1000 (454)
Benzene (D018)	N.A.	1,2,3,4	D018	10 (4.54)
Cadmium (D006)	N.A.	4	D006	10 (4.54)
Carbon tetrachloride (D019)	N.A.	1,2,4	D019	10 (4.54)
Chlordane (D020)	N.A.	1,2,4	D020	1 (0.454)
Chlorobenzene (D021)	N.A.	1,2,4	D021	100 (45.4)
Chloroform (D022)	N.A.	1,2,4	D022	10 (4.54)
Chromium (D007)	N.A.	4	D007	10 (4.54)
o-Cresol (D023)	N.A.	4	D023	100 (45.4)
m-Cresol (D024)	N.A.	4	D024	100 (45.4)
p-Cresol (D025)	N.A.	4	D025	100 (45.4)
Cresol (D026)	N.A.	4	D026	100 (45.4)
2,4-D (D016)	N.A.	1,4	D016	100 (45.4)
1,4-Dichlorobenzene (D027)	N.A.	1,2,4	D027	100 (45.4)
1,2-Dichloroethane (D028)	N.A.	1,2,4	D028	100 (45.4)
1,1-Dichloroethylene (D029)	N.A.	1,2,4	D029	100 (45.4)
2,4-Dinitrotoluene (D030)	N.A.	1,2,4	D030	10 (4.54)
Endrin (D012)	N.A.	1,4	D012	1 (0.454)
Heptachlor (and epoxide) (D031)	N.A.	1,2,4	D031	1 (0.454)
Hexachlorobenzene (D032)	N.A.	2,4	D032	10 (4.54)
Hexachlorobutadiene (D033)	N.A.	2,4	D033	1 (0.454)
Hexachloroethane (D034)	N.A.	2,4	D034	100 (45.4)
Lead (D008)	N.A.	4	D008	10 (4.54)
Lindane (D013)	N.A.	1,4	D013	1 (0.454)
Mercury (D009)	N.A.	4	D009	1 (0.454)
Methoxychlor (D014)	N.A.	1,4	D014	1 (0.454)
Methyl ethyl ketone (D035)	N.A.	4	D035	5000 (2270)
Nitrobenzene (D036)	N.A.	1,2,4	D036	1000 (454)
Pentachlorophenol (D037)	N.A.	1,2,4	D037	10 (4.54)
Pyridine (D038)	N.A.	4	D038	1000 (454)
Selenium (D010)	N.A.	4	D010	10 (4.54)
Silver (D011)	N.A.	4	D011	1 (0.454)
Tetrachloroethylene (D039)	N.A.	2,4	D039	100 (45.4)
Toxaphene (D015)	N.A.	1,4	D015	1 (0.454)
Trichloroethylene (D040)	N.A.	1,2,4	D040	100 (45.4)
2,4,5-Trichlorophenol (D041)	N.A.	1,4	D041	10 (4.54)
2,4,6-Trichlorophenol (D042)	N.A.	1,2,4	D042	10 (4.54)
2,4,5-TP (D017)	N.A.	1,4	D017	100 (45.4)
Vinyl chloride (D043)	N.A.	2,3,4	D043	1 (0.454)
Uracil mustard	66-75-1	4	U237	10 (4.54)
Uranyl acetate	541-09-3	1		100 (45.4)
Uranyl nitrate	10102-06-4	1		100 (45.4)
	36478-76-9			
Urea, N-ethyl-N-nitroso-	759-73-9	4	U176	1 (0.454)
Urea, N-methyl-N-nitroso-	684-93-5	3,4	U177	1 (0.454)
Urethane	51-79-6	3,4	U238	100 (45.4)
Vanadic acid, ammonium salt	7803-55-6	4	P119	1000 (454)
Vanadium oxide V2O5	1314-62-1	1,4	P120	1000 (454)
Vanadium pentoxide	1314-62-1	1,4	P120	1000 (454)
Vanadyl sulfate	27774-13-6	1		1000 (454)
Vinyl acetate	108-05-4	1,3		5000 (2270)
Vinyl acetate monomer	108-05-4	1,3		5000 (2270)
Vinylamine, N-methyl-N-nitroso-	4549-40-0	4	P084	10 (4.54)
Vinyl bromide	593-60-2	3		100 (45.4)
Vinyl chloride	75-01-4	2,3,4	U043	1 (0.454)
Vinylidene chloride	75-35-4	1,2,3,4	U078	100 (45.4)
Warfarin, & salts	81-81-2	4	P001, U248	100 (45.4)
Xylene	1330-20-7	1,3,4	U239	100 (45.4)
m-Xylene	108-38-3	3		1000 (454)
o-Xylene	95-47-6	3		1000 (454)
p-Xylene	106-42-3	3		100 (45.4)
Xylene (mixed)	1330-20-7	1,3,4	U239	100 (45.4)
Xylenes (isomers and mixture)	1330-20-7	1,3,4	U239	100 (45.4)
Xylenol	1300-71-6	1		1000 (454)
Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester (3beta,16beta,17alpha, 18beta,20alpha).	50-55-54	4	U200	5000 (2270)
Zinc††	7440-66-6	2		1000 (454)
ZINC AND COMPOUNDS	N.A.	2		**

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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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Zinc acetate .....	557-34-6	1		1000 (454)
Zinc ammonium chloride .....	52628-25-8	1		1000 (454)
	14639-97-5			
	14639-98-6			
Zinc, bis(dimethylcarbomodithioato-S,S')- .....	137304	4	P205	10 (4.54)
Zinc borate .....	1332-07-6	1		1000 (454)
Zinc bromide .....	7699-45-8	1		1000 (454)
Zinc carbonate .....	3486-35-9	1		1000 (454)
Zinc chloride .....	7646-85-7	1		1000 (454)
Zinc cyanide Zn(CN)2 .....	557-21-1	1,4	P121	10 (4.54)
Zinc fluoride .....	7783-49-5	1		1000 (454)
Zinc formate .....	557-41-5	1		1000 (454)
Zinc hydrosulfite .....	7779-86-4	1		1000 (454)
Zinc nitrate .....	7779-88-6	1		1000 (454)
Zinc phenolsulfonate .....	127-82-2	1		5000 (2270)
Zinc phosphide Zn3P2 .....	1314-84-7	1,4	P122, U249	100 (45.4)
Zinc silicofluoride .....	16871-71-9	1		5000 (2270)
Zinc sulfate .....	7733-02-0	1		1000 (454)
Ziram .....	137304	4	P205	10 (4.54)
Zirconium nitrate .....	13746-89-9	1		5000 (2270)
Zirconium potassium fluoride .....	16923-95-8	1		1000 (454)
Zirconium sulfate .....	14644-61-2	1		5000 (2270)
Zirconium tetrachloride .....	10026-11-6	1		5000 (2270)
F001 .....		4	F001	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 halogenated solvents listed below 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 .....	127-18-4	2,3,4	U210	100 (45.4)
(b) Trichloroethylene .....	79-01-6	1,2,3,4	U228	100 (45.4)
(c) Methylene chloride .....	75-09-2	2,3,4	U080	1000 (454)
(d) 1,1,1-Trichloroethane .....	71-55-6	2,3,4	U226	1000 (454)
(e) Carbon tetrachloride .....	56-23-5	1,2,3,4	U211	10 (4.54)
(f) Chlorinated fluorocarbons .....	N.A.			5000 (2270)
F002 .....		4	F002	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 halogenated solvents listed below or those solvents listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.				
(a) Tetrachloroethylene .....	127-18-4	2,3,4	U210	100 (45.4)
(b) Methylene chloride .....	75-09-2	2,3,4	U080	1000 (454)
(c) Trichloroethylene .....	79-01-6	1,2,3,4	U228	100 (45.4)
(d) 1,1,1-Trichloroethane .....	71-55-6	2,3,4	U226	1000 (454)
(e) Chlorobenzene .....	108-90-7	1,2,3,4	U037	100 (45.4)
(f) 1,1,2-Trichloro-1,2,2-trifluoroethane .....	76-13-1			5000 (2270)
(g) o-Dichlorobenzene .....	95-50-1	1,2,4	U070	100 (45.4)
(h) Trichlorofluoromethane .....	75-69-4	4	U121	5000 (2270)
(i) 1,1,2-Trichloroethane .....	79-00-5	2,3,4	U227	100 (45.4)
F003 .....		4	F003	100 (45.4)
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents.				
(a) Xylene .....	1330-20-7			1000 (454)
(b) Acetone .....	67-64-1			5000 (2270)
(c) Ethyl acetate .....	141-78-6			5000 (2270)
(d) Ethylbenzene .....	100-41-4			1000 (454)
(e) Ethyl ether .....	60-29-7			100 (45.4)
(f) Methyl isobutyl ketone .....	108-10-1			5000 (2270)
(g) n-Butyl alcohol .....	71-36-3			5000 (2270)
(h) Cyclohexanone .....	108-94-1			5000 (2270)
(i) Methanol .....	67-56-1			5000 (2270)
F004 .....		4	F004	100 (45.4)
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:				
(a) Cresols/Cresylic acid .....	1319-77-3	1,3,4	U052	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
(b) Nitrobenzene .....	98-95-3	1,2,3,4	U169	1000 (454)
F005 .....		4	F005	100 (45.4)
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:				
(a) Toluene .....	108-88-3	1,2,3,4	U220	1000 (454)
(b) Methyl ethyl ketone .....	78-93-3	3,4	U159	5000 (2270)
(c) Carbon disulfide .....	75-15-0	1,3,4	P022	100 (45.4)
(d) Isobutanol .....	78-83-1	4	U140	5000 (2270)
(e) Pyridine .....	110-86-1	4	U196	1000 (454)
F006 .....		4	F006	10 (4.54)
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.				
F007 .....		4	F007	10 (4.54)
Spent cyanide plating bath solutions from electroplating operations.				
F008 .....		4	F008	10 (4.54)
Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.				
F009 .....		4	F009	10 (4.54)
Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.				
F010 .....		4	F010	10 (4.54)
Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.				
F011 .....		4	F011	10 (4.54)
Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.				
F012 .....		4	F012	10 (4.54)
Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process.				
F019 .....		4	F019	10 (4.54)
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. Wastewater treatment sludges from the manufacturing of motor vehicles using a zinc phosphating process will not be subject to this listing at the point of generation if the wastes are not placed outside on the land prior to shipment to a landfill for disposal and are either: disposed in a Subtitle D municipal or industrial landfill unit that is equipped with a single clay liner and is permitted, licensed or otherwise authorized by the state; or disposed in a landfill unit subject to, or otherwise meeting, the landfill requirements in § 258.40, § 264.301 or § 265.301. For the purposes of this listing, motor vehicle manufacturing is defined in § 261.31(b)(4)(i) and § 261.31(b)(4)(ii) describes the recordkeeping requirements for motor vehicle manufacturing facilities				
F020 .....		4	F020	1 (0.454)
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.)				
F021 .....		4	F021	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
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.				
F022 .....		4	F022	1 (0.454)
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.				
F023 .....		4	F023	1 (0.454)
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 a 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 hexachlorophene from highly purified 2,4,5-trichlorophenol.)				
F024 .....		4	F024	1 (0.454)
Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out 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. (This listing does not include wastewaters, wastewater treatment sludges, spent catalysts, and wastes listed in 40 CFR 261.31 or 261.32.)				
F025 .....		4	F025	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 .....		4	F026	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 .....		4	F027	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- trichlorophenol as the sole component.)				
F028 .....		4	F028	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 .....		4	F032	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
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.				
F034 .....		4	F034	1 (0.454)
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.				
F035 .....		4	F035	1 (0.454)
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.				
F037 .....		4	F037	1 (0.454)
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 and oily cooling 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. Sludges 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. This listing does include residuals generated from processing or recycling oil-bearing hazardous secondary materials excluded under §261.4(a)(12)(i), if those residuals are to be disposed of.				
F038 .....		4	F038	1 (0.454)

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

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ 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 non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, 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.				
F039 .....		4	F039	1 (0.454)
Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of 40 CFR part 261. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other hazardous wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.)				
K001 .....		4	K001	1 (0.454)
Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.				
K002 .....		4	K002	10 (4.54)
Wastewater treatment sludge from the production of chrome yellow and orange pigments.				
K003 .....		4	K003	10 (4.54)
Wastewater treatment sludge from the production of molybdate orange pigments.				
K004 .....		4	K004	10 (4.54)
Wastewater treatment sludge from the production of zinc yellow pigments.				
K005 .....		4	K005	10 (4.54)
Wastewater treatment sludge from the production of chrome green pigments.				
K006 .....		4	K006	10 (4.54)
Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).				
K007 .....		4	K007	10 (4.54)
Wastewater treatment sludge from the production of iron blue pigments.				
K008 .....		4	K008	10 (4.54)
Oven residue from the production of chrome oxide green pigments.				
K009 .....		4	K009	10 (4.54)
Distillation bottoms from the production of acetaldehyde from ethylene.				
K010 .....		4	K010	10 (4.54)
Distillation side cuts from the production of acetaldehyde from ethylene.				
K011 .....		4	K011	10 (4.54)
Bottom stream from the wastewater stripper in the production of acrylonitrile.				
K013 .....		4	K013	10 (4.54)
Bottom stream from the acetonitrile column in the production of acrylonitrile.				
K014 .....		4	K014	5000 (2270)
Bottoms from the acetonitrile purification column in the production of acrylonitrile.				
K015 .....		4	K015	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Still bottoms from the distillation of benzyl chloride.				
K016 ..... Heavy ends or distillation residues from the production of carbon tetrachloride.		4	K016	1 (0.454)
K017 ..... Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.		4	K017	10 (4.54)
K018 ..... Heavy ends from the fractionation column in ethyl chloride production.		4	K018	1 (0.454)
K019 ..... Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.		4	K019	1 (0.454)
K020 ..... Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.		4	K020	1 (0.454)
K021 ..... Aqueous spent antimony catalyst waste from fluoromethanes production.		4	K021	10 (4.54)
K022 ..... Distillation bottom tars from the production of phenol/acetone from cumene.		4	K022	1 (0.454)
K023 ..... Distillation light ends from the production of phthalic anhydride from naphthalene.		4	K023	5000 (2270)
K024 ..... Distillation bottoms from the production of phthalic anhydride from naphthalene.		4	K024	5000 (2270)
K025 ..... Distillation bottoms from the production of nitrobenzene by the nitration of benzene.		4	K025	10 (4.54)
K026 ..... Stripping still tails from the production of methyl ethyl pyridines.		4	K026	1000 (454)
K027 ..... Centrifuge and distillation residues from toluene diisocyanate production.		4	K027	10 (4.54)
K028 ..... Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.		4	K028	1 (0.454)
K029 ..... Waste from the product steam stripper in the production of 1,1,1-trichloroethane.		4	K029	1 (0.454)
K030 ..... Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.		4	K030	1 (0.454)
K031 ..... By-product salts generated in the production of MSMA and cacodylic acid.		4	K031	1 (0.454)
K032 ..... Wastewater treatment sludge from the production of chlordane.		4	K032	10 (4.54)
K033 ..... Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.		4	K033	10 (4.54)
K034 ..... Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.		4	K034	10 (4.54)
K035 ..... Wastewater treatment sludges generated in the production of creosote.		4	K035	1 (0.454)
K036 ..... Still bottoms from toluene reclamation distillation in the production of disulfoton.		4	K036	1 (0.454)
K037 ..... Wastewater treatment sludges from the production of disulfoton.		4	K037	1 (0.454)
K038 .....		4	K038	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Wastewater from the washing and stripping of phorate production.				
K039 .....		4	K039	10 (4.54)
Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.				
K040 .....		4	K040	10 (4.54)
Wastewater treatment sludge from the production of phorate.				
K041 .....		4	K041	1 (0.454)
Wastewater treatment sludge from the production of toxaphene.				
K042 .....		4	K042	10 (4.54)
Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.				
K043 .....		4	K043	10 (4.54)
2,6-Dichlorophenol waste from the production of 2,4-D.				
K044 .....		4	K044	10 (4.54)
Wastewater treatment sludges from the manufacturing and processing of explosives.				
K045 .....		4	K045	10 (4.54)
Spent carbon from the treatment of wastewater containing explosives.				
K046 .....		4	K046	10 (4.54)
Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.				
K047 .....		4	K047	10 (4.54)
Pink/red water from TNT operations.				
K048 .....		4	K048	10 (4.54)
Dissolved air flotation (DAF) float from the petroleum refining industry.				
K049 .....		4	K049	10 (4.54)
Slop oil emulsion solids from the petroleum refining industry.				
K050 .....		4	K050	10 (4.54)
Heat exchanger bundle cleaning sludge from the petroleum refining industry.				
K051 .....		4	K051	10 (4.54)
API separator sludge from the petroleum refining industry.				
K052 .....		4	K052	10 (4.54)
Tank bottoms (leaded) from the petroleum refining industry.				
K060 .....		4	K060	1 (0.454)
Ammonia still lime sludge from coking operations.				
K061 .....		4	K061	10 (4.54)
Emission control dust/sludge from the primary production of steel in electric furnaces.				
K062 .....		4	K062	10 (4.54)
Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332).				
K064 .....		4	K064	10 (4.54)
Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production.				
K065 .....		4	K065	10 (4.54)
Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.				
K066 .....		4	K066	10 (4.54)
Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.				
K069 .....		4	K069	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Emission control dust/sludge from secondary lead smelting. (Note: This listing is stayed administratively for sludge generated from secondary acid scrubber systems. The stay will remain in effect until further administrative action is taken. If EPA takes further action effecting the stay, EPA will publish a notice of the action in the FEDERAL REGISTER.)				
K071 .....		4	K071	1 (0.454)
Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.				
K073 .....		4	K073	10 (4.54)
Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.				
K083 .....		4	K083	100 (45.4)
Distillation bottoms from aniline production.				
K084 .....		4	K084	1 (0.454)
Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.				
K085 .....		4	K085	10 (4.54)
Distillation or fractionation column bottoms from the production of chlorobenzenes.				
K086 .....		4	K086	10 (4.54)
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.				
K087 .....		4	K087	100 (45.4)
Decanter tank tar sludge from coking operations.				
K088 .....		4	K088	10 (4.54)
Spent potliners from primary aluminum reduction.				
K090 .....		4	K090	10 (4.54)
Emission control dust or sludge from ferrochromium-silicon production.				
K091 .....		4	K091	10 (4.54)
Emission control dust or sludge from ferrochromium production.				
K093 .....		4	K093	5000 (2270)
Distillation light ends from the production of phthalic anhydride from ortho-xylene.				
K094 .....		4	K094	5000 (2270)
Distillation bottoms from the production of phthalic anhydride from ortho-xylene.				
K095 .....		4	K095	100 (45.4)
Distillation bottoms from the production of 1,1,1-trichloroethane.				
K096 .....		4	K096	100 (45.4)
Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.				
K097 .....		4	K097	1 (0.454)
Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.				
K098 .....		4	K098	1 (0.454)
Untreated process wastewater from the production of toxaphene.				
K099 .....		4	K099	10 (4.54)
Untreated wastewater from the production of 2,4-D.				
K100 .....		4	K100	10 (4.54)
Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.				
K101 .....		4	K101	1 (0.454)
Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.				
K102 .....		4	K102	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.				
K103 .....		4	K103	100 (45.4)
Process residues from aniline extraction from the production of aniline.				
K104 .....		4	K104	10 (4.54)
Combined wastewater streams generated from nitrobenzene/aniline production.				
K105 .....		4	K105	10 (4.54)
Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.				
K106 .....		4	K106	1 (0.454)
Wastewater treatment sludge from the mercury cell process in chlorine production.				
K107 .....		4	K107	10 (4.54)
Column bottoms from product separation from the production of 1,1- dimethylhydrazine (UDMH) from carboxylic acid hydrazines.				
K108 .....		4	K108	10 (4.54)
Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1- dimethylhydrazine (UDMH) from carboxylic acid hydrazides.				
K109 .....		4	K109	10 (4.54)
Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.				
K110 .....		4	K110	10 (4.54)
Condensed column overheads from intermediate separation from the production of 1,1- dimethylhydrazine (UDMH) from carboxylic acid hydrazides.				
K111 .....		4	K111	10 (4.54)
Product washwaters from the production of dinitrotoluene via nitration of toluene.				
K112 .....		4	K112	10 (4.54)
Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.				
K113 .....		4	K113	10 (4.54)
Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.				
K114 .....		4	K114	10 (4.54)
Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.				
K115 .....		4	K115	10 (4.54)
Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.				
K116 .....		4	K116	10 (4.54)
Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.				
K117 .....		4	K117	1 (0.454)
Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.				
K118 .....		4	K118	1 (0.454)
Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.				
K123 .....		4	K123	10 (4.54)
Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.				
K124 .....		4	K124	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Reactor vent scrubber water from the production of ethylenedisithiocarbamic acid and its salts. K125 .....	.....	4	K125	10 (4.54)
Filtration, evaporation, and centrifugation solids from the production of ethylenedisithiocarbamic acid and its salts. K126 .....	.....	4	K126	10 (4.54)
Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenedisithiocarbamic acid and its salts. K131 .....	.....	4	K131	100 (45.4)
Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide. K132 .....	.....	4	K132	1000 (454)
Spent absorbent and wastewater separator solids from the production of methyl bromide. K136 .....	.....	4	K136	1 (0.454)
Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene. K141 .....	.....	4	K141	1 (0.454)
Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludges from coking operations). K142 .....	.....	4	K142	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 .....	.....	4	K143	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 .....	.....	4	K144	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 .....	.....	4	K145	1 (0.454)
Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal. K147 .....	.....	4	K147	1 (0.454)
Tar storage tank residues from coal tar refining. K148 .....	.....	4	K148	1 (0.454)
Residues from coal tar distillation, including, but not limited to, still bottoms. K149 .....	.....	4	K149	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 .....	.....	4	K150	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. K151 .....	.....	4	K151	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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of waste-waters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.				
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.)		4	K156	10 (4.54)
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.)		4	K157	10 (4.54)
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.)		4	K158	10 (4.54)
K159 ..... Organics from the treatment of thiocarbamate wastes.		4	K159	10 (4.54)
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).		4	K161	1 (0.454)
K169 <sup>1</sup> ..... Crude oil storage tank sediment from petroleum refining operations.		4	K169	10 (4.54)
K170 <sup>1</sup> ..... Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.		4	K170	1 (0.454)
K171 <sup>1</sup> ..... Spent hydrotreating catalyst from petroleum refining operations. (This listing does not include inert support media.)		4	K171	1 (0.454)
K172 <sup>1</sup> ..... Spent hydrorefining catalyst from petroleum refining operations. (This listing does not include inert support media.)		4	K172	1 (0.454)
K174 <sup>1</sup> .....		4	K174	1 (0.454)
K175 <sup>1</sup> .....		4	K175	1 (0.454)
K176 ..... Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g., antimony metal or crude antimony oxide)		4	K176	1 (0.454)
K177 ..... Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates (e.g., antimony metal or crude antimony oxide)		4	K177	5,000 (2270)
K178 ..... Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process.		4	K178	1000 (454)
K181 .....		4	K181	##



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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	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Nonwastewaters from the production of dyes and/or pigments (including nonwastewaters commingled at the point of generation with nonwastewaters from other processes) that, at the point of generation, contain mass loadings of any of the constituents identified in paragraph (c) of section 261.32 that are equal to or greater than the corresponding paragraph (c) levels, as determined on a calendar year basis				

† Indicates the statutory source defined by 1, 2, 3, and 4, as described in the note preceding Table 302.4.  
 ‡ Indicates the statutory source defined by 1,2,3, and 4, as described in the note preceding Table 302.4.  
 †† No reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is larger than 100 micrometers (0.004 inches).  
 ††† The RQ for asbestos is limited to friable forms only.  
 ## The Agency may adjust the statutory RQ for this hazardous substance in a future rulemaking; until then the statutory one-pound 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.  
 a 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 C7 or less; or  
 R = phenyl or alkyl substituted phenyl;  
 R' = H or alkyl C7 or less; or  
 OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.  
 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.

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

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

CASRN	Hazardous substance
50000	Formaldehyde.
50077	Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione,6-amino-8-[[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a, 8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8aalpha,8balpha)]-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-trimethoxybenzoyl)oxy]-, 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.

CASRN	Hazardous substance
52686	Trichlorfon.
52857	Famphur. Phosphorothioic acid, O-[4-[(dimethylamino)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)-, & salts.
55185	Ethanamine, N-ethyl-N-nitroso-. N-Nitrosodiethylamine.
55630	Nitroglycerine. 1,2,3-Propanetriol, trinitrate.
55914	Diisopropylfluorophosphate (DFP). Phosphorofluoridic acid, bis(1-methylethyl) ester.
56042	Methylthiouracil. 4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-.
56235	Carbon tetrachloride. Methane, tetrachloro-.
56382	Parathion. Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester.
56495	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-3-Methylcholanthrene.

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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
56531	Diethylstilbestrol.
56553	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E). Benzo[a]anthracene.
56724	Benzo[a]anthracene. 1,2-Benzanthracene.
57147	Coumaphos. Hydrazine, 1,1-dimethyl-.
57249	1,1-Dimethylhydrazine. Strychnidin-10-one, & salts. Strychnine, & salts.
57476	Physostigmine. Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)-.
57578	beta-Propiolactone.
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	Benzo[a]anthracene, 7,12-dimethyl-. 7,12-Dimethylbenzo[a]anthracene.
58899	γ-BHC. Cyclohexane, 1,2,3,4,5,6-hexachloro-(1α,2α,3β,4α,5α,6β)-. Lindane.
58902	Lindane (all isomers). Phenol, 2,3,4,6-tetrachloro-.
59507	2,3,4,6-Tetrachlorophenol. p-Chloro-m-cresol. Phenol, 4-chloro-3-methyl-.
59892	N-Nitrosomorpholine.
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-.
60355	Methyl hydrazine.
60515	Acetamide. 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,2alpha,3beta,6beta, 6aalpha,7beta, 7aalpha)-.
61825	Amitrole. 1H-1,2,4-Triazol-3-amine.
62384	Mercury, (acetato-O)phenyl-.
62442	Phenylmercury acetate. Acetamide, N-(4-ethoxyphenyl)-. Phenacetin.
62500	Ethyl methanesulfonate. Methanesulfonic acid, ethyl ester.
62533	Aniline. Benzenamine.
62555	Ethanethioamide. Thioacetamide.
62566	Thiourea.
62737	Dichlorvos.

CASRN	Hazardous substance
62748	Acetic acid, fluoro-, sodium salt. Fluoroacetic acid, sodium salt.
62759	Methanamine, N-methyl-N-nitroso-.
63252	N-Nitrosodimethylamine. Carbaryl.
64006	1-Naphthalenol, methylcarbamate. m-Cumenyl methylcarbamate. 3-Isopropylphenyl N-methylcarbamate.
64006	Phenol, 3-(1-methylethyl)-, methyl carbamate. Phenol, 3-(1-methylethyl)-, methyl carbamate (m-Cumenyl methylcarbamate).
64186	Formic acid.
64197	Acetic acid.
64675	Diethyl sulfate.
65850	Benzoic acid.
66751	Uracil mustard. 2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl) amino]-.
67561	Methanol.
67641	Methyl alcohol. Acetone.
67663	2-Propanone. Chloroform.
67721	Methane, trichloro-.
68122	Ethane, hexachloro-.
70257	Hexachloroethane. Dimethylformamide. Guanidine, N-methyl-N'-nitro-N-nitroso-MNNG.
70304	Hexachlorophene. Phenol, 2,2'-methylenebis[3,4,6-tri-chloro-.
71363	n-Butyl alcohol. 1-Butanol.
71432	Benzene.
71556	Ethane, 1,1,1-trichloro-.
72208	Methyl chloroform. 1,1,1-Trichloroethane. 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-octahydro-, (1aalpha,2beta,2alpha,3alpha, 6alpha,6beta,7beta,7aalpha)-, & metabolites.
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.
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-.
74873	Methyl bromide. Chloromethane. Methane, chloro-.
74884	Methyl chloride. Iodomethane. Methane, iodo-.
74895	Methyl iodide.
74908	Monomethylamine. Hydrocyanic acid. Hydrogen cyanide.

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

CASRN	Hazardous substance
74931	Methanethiol. Methyl mercaptan. Thiomethanol.
74953	Methane, dibromo-.
75003	Methylene bromide. Chloroethane.
75014	Ethyl chloride. Ethene, chloro-.
75047	Vinyl chloride.
75058	Monoethylamine.
75058	Acetonitrile.
75070	Acetaldehyde. Ethanal.
75092	Dichloromethane. Methane, dichloro-.
75150	Methylene chloride.
75207	Carbon disulfide.
75207	Calcium carbide.
75218	Ethylene oxide. Oxirane.
75252	Bromoform. Methane, tribromo-.
75274	Dichlorobromomethane.
75343	Ethane, 1,1-dichloro-.
75343	Ethylidene dichloride. 1,1-Dichloroethane.
75354	Ethene, 1,1-dichloro-.
75354	Vinylidene chloride. 1,1-Dichloroethylene.
75365	Acetyl chloride.
75445	Carbonic dichloride. Phosgene.
75503	Trimethylamine.
75558	Aziridine, 2-methyl-.
75558	2-Methyl aziridine. 1,2-Propylenimine.
75569	Propylene oxide.
75605	Arsinic acid, dimethyl-.
75605	Cacodylic acid.
75649	tert-Butylamine.
75694	Methane, trichlorofluoro-.
75694	Trichloromonofluoromethane.
75718	Dichlorodifluoromethane. Methane, dichlorodifluoro-.
75865	Acetone cyanohydrin. Propanenitrile, 2-hydroxy-2-methyl-.
75865	2-Methyl lactonitrile.
75876	Acetaldehyde, trichloro-.
75990	Chloral.
75990	2,2-Dichloropropionic acid.
76017	Ethane, pentachloro-.
76017	Pentachloroethane.
76448	Heptachlor. 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-.
78002	Tetraethyl lead.
78591	Isophorone.
78795	Isoprene.
78819	iso-Butylamine.
78831	Isobutyl alcohol. 1-Propanol, 2-methyl-.
78875	Propane, 1,2-dichloro-.
78875	Propylene dichloride. 1,2-Dichloropropane.
78886	2,3-Dichloropropene.

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

CASRN	Hazardous substance
78933	2-Butanone. MEK. Methyl ethyl ketone.
78999	1,1-Dichloropropane.
79005	Ethane, 1,1,2-trichloro-.
79005	1,1,2-Trichloroethane.
79016	Ethene, trichloro-.
79016	Trichloroethylene.
79061	Acrylamide. 2-Propenamide.
79094	Propionic acid.
79107	Acrylic acid. 2-Propenoic acid.
79118	Chloroacetic acid.
79196	Hydrazinecarbothioamide. Thiosemicarbazide.
79221	Carbonochloridic acid, methyl ester. Methyl chlorocarbonate.
79312	iso-Butyric acid.
79345	Ethane, 1,1,2,2-tetrachloro-.
79345	1,1,2,2-Tetrachloroethane.
79447	Carbamic chloride, dimethyl-.
79447	Dimethylcarbamoyl chloride.
79469	Propane, 2-nitro-.
79469	2-Nitropropane.
80159	alpha, alpha-Dimethylbenzylhydroperoxide. Hydroperoxide, 1-methyl-1-phenylethyl-.
80626	Methyl methacrylate. 2-Propenoic acid, 2-methyl-, methyl ester.
81812	Warfarin, & salts. 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1- phenylbutyl)-, & salts.
82688	Benzene, pentachloronitro-.
82688	PCNB. Pentachloronitrobenzene. Quintobenzene.
83329	Acenaphthene.
84662	Diethyl phthalate. 1,2-Benzenedicarboxylic acid, diethyl ester.
84742	Di-n-butyl phthalate. Dibutyl phthalate. n-Butyl phthalate. 1,2-Benzenedicarboxylic acid, dibutyl ester.
85007	Diquat.
85018	Phenanthrene.
85449	Phthalic anhydride. 1,3-Isobenzofurandione.
85687	Butyl benzyl phthalate.
86306	N-Nitrosodiphenylamine.
86500	Guthion.
86737	Fluorene.
86884	alpha-Naphthylthiourea. Thiourea, 1-naphthalenyl-.
87650	Phenol, 2,6-dichloro-.
87650	2,6-Dichlorophenol.
87683	Hexachlorobutadiene. 1,3-Butadiene, 1,1,2,3,4,4-hexachloro-.
87865	Pentachlorophenol. Phenol, pentachloro-.
88062	Phenol, 2,4,6-trichloro-.
88062	2,4,6-Trichlorophenol.
88722	o-Nitrotoluene.
88755	o-Nitrophenol. 2-Nitrophenol.
88857	Dinoseb. Phenol, 2-(1-methylpropyl)-4,6-dinitro-.
90040	o-Anisidine.
91087	Benzene, 1,3-diisocyanatomethyl-.
91087	Toluene diisocyanate. 2,4-Toluene diisocyanate.

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ARDOUS SUBSTANCES—Continued

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

CASRN	Hazardous substance
91203	Naphthalene.
91225	Quinoline.
91587	beta-Chloronaphthalene. Naphthalene, 2-chloro-.
91598	2-Chloronaphthalene. beta-Naphthylamine. 2-Naphthalenamine.
91667	N,N-Diethylaniline.
91805	Methapyriene. 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.
92524	Biphenyl.
92671	4-Aminobiphenyl.
92875	Benzidine. [1,1'-Biphenyl]-4,4'-diamine.
92933	4-Nitrobiphenyl. Propanoic acid, 2-(2,4,5-trichlorophenoxy)-. Silvex (2,4,5-TP). 2,4,5-TP acid.
93765	Acetic acid, (2,4,5-trichlorophenoxy)-.
93721	2,4,5-T. 2,4,5-T acid.
93798	2,4,5-T esters.
94111	2,4-D Ester.
94586	Dihydro safrole. 1,3-Benzodioxole, 5-propyl-.
94597	Safrole. 1,3-Benzodioxole, 5-(2-propenyl)-.
94791	2,4-D Ester.
94804	2,4-D Ester.
95476	o-Xylene.
95487	o-Cresol.
95501	Benzene, 1,2-dichloro- o-Dichlorobenzene. 1,2-Dichlorobenzene.
95534	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.
96093	Styrene oxide.
96128	Propane, 1,2-dibromo-3-chloro- 1,2-Dibromo-3-chloropropane.
96457	Ethylenethiourea. 2-Imidazolidinethione.
97632	Ethyl methacrylate. 2-Propenoic acid, 2-methyl-, ethyl ester.
98011	Furfural.
98077	2-Furancarboxaldehyde. Benzene, (trichloromethyl)-. Benzotrichloride.
98099	Benzenesulfonic acid chloride. Benzenesulfonyl chloride.
98828	Benzene, (1-methylethyl)- Cumene.
98862	Acetophenone. Ethanone, 1-phenyl-.
98873	Benzal chloride. Benzene, (dichloromethyl)-.
98884	Benzoyl chloride.
98953	Benzene, nitro-.

CASRN	Hazardous substance
	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. 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	Barban. Carbamic acid, (3-chlorophenyl)-, 4-chloro-2- butynyl ester.
101553	Benzene, 1-bromo-4-phenoxy- 4-Bromophenyl phenyl ether.
101688	MDI. Methylene diphenyl diisocyanate. 4,4'-Methylenedianiline.
101779	Phenylthiourea.
103855	Thiourea, phenyl- sec-Butyl acetate.
105464	Phenol, 2,4-dimethyl- 2,4-Dimethylphenol.
105679	p-Xylene. p-Cresol.
106423	Benzene, 1,4-dichloro- p-Dichlorobenzene.
106445	1,4-Dichlorobenzene.
106467	Benzenamine, 4-chloro- p-Chloroaniline.
106478	Benzenamine, 4-methyl- p-Toluidine.
106490	p-Phenylenediamine.
106503	p-Benzoquinone.
106514	2,5-Cyclohexadiene-1,4-dione. Quinone.
106887	1,2-Epoxybutane.
106898	1-Chloro-2,3-epoxypropane. Epichlorohydrin.
106934	Oxirane, (chloromethyl)- Dibromoethane. Ethane, 1,2-dibromo- Ethylene dibromide.
106990	1,3-Butadiene.
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.

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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  
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ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
107186	Allyl alcohol.
107197	2-Propen-1-ol. Propargyl alcohol.
107200	2-Propyn-1-ol. Acetaldehyde, chloro-. Chloroacetaldehyde.
107211	Ethylene glycol.
107302	Chloromethyl methyl ether. Methane, chloromethoxy-.
107493	Diphosphoric acid, tetraethyl ester. Tetraethyl pyrophosphate.
107926	Butyric acid.
108054	Vinyl acetate. Vinyl acetate monomer.
108101	Hexone. Methyl isobutyl ketone. 4-Methyl-2-pentanone.
108247	Acetic anhydride.
108316	Maleic anhydride. 2,5-Furandione.
108383	m-Xylene.
108394	m-Cresol.
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	Phenol.
108985	Benzenethiol.
109068	Thiophenol. 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.
110543	Hexane.
110758	Ethene, (2-chloroethoxy)-. 2-Chloroethyl vinyl ether.
110805	Ethanol, 2-ethoxy-. Ethylene glycol monoethyl ether.
110827	Benzene, hexahydro-. Cyclohexane.
110861	Pyridine.
111422	Diethanolamine.
111444	Bis(2-chloroethyl) ether. Dichloroethyl ether. Ethane, 1,1'-oxybis[2-chloro-.
111546	Carbamodithioic acid, 1,2-ethanediylbis-, salts & esters. Ethylenebisdithiocarbamic acid, salts & esters.
111911	Bis(2-chloroethoxy) methane. Dichloromethoxyethane. Ethane, 1,1'-[methylenebis(oxy)]bis(2-chloro-.
114261	Phenol, 2-(1-methylethoxy)-, methylcarbamate. Propoxur (Baygon).
115026	Azaserine.
115297	L-Serine, diazoacetate (ester). Endosulfan.

CASRN	Hazardous substance
115322	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a- hexahydro-, 3-oxide.
116063	Dicofol. Aldicarb. Propanal, 2-methyl-2-(methylthio)-, O- [(methylamino)carbonyl]oxime.
117806	Dichlone.
117817	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester. Bis(2-ethylhexyl)phthalate. DEHP. Diethylhexyl phthalate.
117840	Di-n-octyl phthalate.
118741	1,2-Benzenedicarboxylic acid, dioctyl ester. Benzene, hexachloro-. Hexachlorobenzene.
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. 1,3-Benzodioxole, 5-(1-propenyl)-.
120809	Catechol.
120821	1,2,4-Trichlorobenzene.
120832	Phenol, 2,4-dichloro-. 2,4-Dichlorophenol.
121142	Benzene, 1-methyl-2,4-dinitro-. 2,4-Dinitrotoluene.
121211	Pyrethrins.
121299	Pyrethrins.
121448	Ethanamine, N,N-diethyl-. Triethylamine.
121697	N,N-Dimethylaniline.
121755	Malathion.
122098	alpha, alpha-Dimethylphenethylamine. Benzeneethanamine, alpha, alpha-dimethyl-.
122429	Carbamic acid, phenyl-, 1-methylethyl ester. Propham.
122667	Hydrazine, 1,2-diphenyl-. 1,2-Diphenylhydrazine.
123319	Hydroquinone.
123331	Maleic hydrazide. 3,6-Pyridazinedione, 1,2-dihydro-.
123386	Propionaldehyde.
123626	Propionic anhydride.
123637	Paraldehyde. 1,3,5-Trioxane, 2,4,6-trimethyl-.
123739	Crotonaldehyde. 2-Butenal.
123864	Butyl acetate.
123911	1,4-Diethyleneoxide. 1,4-Dioxane.
123922	iso-Amyl acetate.
124049	Adipic acid.
124403	Dimethylamine. Methanamine, N-methyl-.
124414	Sodium methylate.
124481	Chlorodibromomethane.
126727	Tris(2,3-dibromopropyl) phosphate. 1-Propanol, 2,3-dibromo-, phosphate (3:1).
126987	Methacrylonitrile. 2-Propenenitrile, 2-methyl-.
126998	Chloroprene.
127184	Ethene, tetrachloro-. Perchloroethylene.

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ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
	Tetrachloroethylene.
127822	Zinc phenolsulfonate.
129000	Pyrene.
130154	1,4-Naphthalenedione. 1,4-Naphthoquinone.
131113	Dimethyl phthalate. 1,2-Benzenedicarboxylic acid, dimethyl ester.
131748	Ammonium picrate. Phenol, 2,4,6-trinitro-, ammonium salt.
131895	Phenol, 2-cyclohexyl-4,6-dinitro-. 2-Cyclohexyl-4,6-dinitrophenol.
132649	Dibenzofuran.
133062	Captan.
133904	Chloramben.
134327	alpha-Naphthylamine. 1-Naphthalenamine.
137268	Thioperoxydicarbonic diamide ([H2N]C(S))2S2, tetramethyl- Thiram.
137304	Zinc, bis(dimethylcarbomodithioato-S,S')-. Ziram.
140885	Ethyl acrylate. 2-Propenoic acid, ethyl ester.
141786	Acetic acid, ethyl ester. Ethyl acetate.
142289	1,3-Dichloropropane.
142712	Cupric acetate.
142847	Dipropylamine. 1-Propanamine, N-propyl-.
143339	Sodium cyanide Na(CN).
143500	Kepone. 1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2- one,1,1a,3,3a,4,5,5a,5b,6- decachlorooctahydro-.
145733	Endothall. 7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid.
148823	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-. Melphalan.
151508	Potassium cyanide K(CN).
151564	Azirdine. Ethylenimine.
152169	Diphosphoramidate, octamethyl-. Octamethylpyrophosphoramidate.
156605	Ethene, 1,2-dichloro- (E). 1,2-Dichloroethylene.
156627	Calcium cyanamide.
189559	Benzo[rs]pentaphene. Dibenzo[a,i]pyrene.
191242	Benzo[ghi]perylene.
193395	Indeno(1,2,3-cd)pyrene.
205992	Benzo[b]fluoranthene.
206440	Fluoranthene.
207089	Benzo(k)fluoranthene.
208968	Acenaphthylene.
218019	Chrysene.
225514	Benzo[a]acridine.
297972	O,O-Diethyl O-pyrazinyl phosphoro- thioate. Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester.
298000	Methyl parathion. Phosphorothioic acid, O,O-dimethyl O-(4- nitrophenyl) ester.
298022	Phorate. Phosphorodithioic acid, O,O-diethyl S- [(ethylthio) methyl] ester.
298044	Disulfoton. Phosphorodithioic acid, O,O-diethyl S-[2- (ethylthio)ethyl] ester.

CASRN	Hazardous substance
300765	Naled.
301042	Acetic acid, lead(2 + ) salt. Lead acetate.
302012	Hydrazine.
303344	Lasiocarpine. 2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2- (1-methoxyethyl)-3-methyl-1- oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H- pyrrolizin-1-yl ester, [1S- [1alpha(Z),7(2S*,3R*),7aalpha]]-.
305033	Benzenebutanoic acid, 4-[bis(2- chloroethyl)amino]-. Chlorambucil.
309002	Aldrin. 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)-.
311455	Diethyl-p-nitrophenyl phosphate. Phosphoric acid, diethyl 4-nitrophenyl ester.
315184	Mexacarbate. Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester).
319846	alpha—BHC.
319857	beta—BHC.
319868	delta—BHC.
329715	2,5-Dinitrophenol.
330541	Diuron.
333415	Diazinon.
334883	Diazomethane.
353504	Carbon oxyfluoride. Carbonic difluoride.
357573	Brucine. Strychnidin-10-one, 2,3-dimethoxy-.
460195	Cyanogen. Ethanedinitrile.
463581	Carbonyl sulfide.
465736	Isodrin. 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)-.
492808	Auramine. Benzenamine, 4,4'-carbonimidoylbis[N,N-di- methyl-.
494031	Chlornaphazine. Naphthalenamine, N,N'-bis(2-chloro- ethyl)-.
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. Silver cyanide Ag(CN).
506649	Cyanogen bromide (CN)Br.
506683	Cyanogen chloride (CN)Cl.
506774	Ammonium carbonate.
506876	Acetyl bromide.
506967	Methane, tetranitro-.
509148	Tetranitromethane.
510156	Benzenoacetic acid, 4-chloro- $\alpha$ - (4- chlorophenyl)- $\alpha$ -hydroxy-, ethyl ester. Chlorobenzilate. sec-Butylamine.
513495	o-Dinitrobenzene.
528290	2-Chloroacetophenone.
532274	4,6-Dinitro-o-cresol, and salts.
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APPENDIX A TO § 302.4—SEQUENTIAL CAS  
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ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
540738	Phenol, 2-methyl-4,6-dinitro-, & salts. Hydrazine, 1,2-dimethyl-.
540841	1,2-Dimethylhydrazine.
540885	2,2,4-Trimethylpentane.
541093	tert-Butyl acetate.
541537	Uranyl acetate. Dithiobiuret. Thioimidodicarbonic diamide [(H2N)C(S)]2NH.
541731	Benzene, 1,3-dichloro-.
542621	m-Dichlorobenzene.
542756	1,3-Dichlorobenzene. Barium cyanide.
542767	1-Propene, 1,3-dichloro-.
542881	1,3-Dichloropropene. Propanenitrile, 3-chloro-.
543908	3-Chloropropionitrile.
544183	Bis(chloromethyl)ether.
544923	Dichloromethyl ether.
545487	Methane, oxybis(chloro-).
557197	Cadmium acetate.
557211	Cobaltous formate.
557346	Copper cyanide Cu(CN).
557415	m-Nitrophenol.
563122	Nickel cyanide Ni(CN)2.
563688	Zinc cyanide Zn(CN)2.
573568	Zinc cyanide Zn(CN)2.
584849	Zinc acetate. Zinc formate. Ethion. Acetic acid, thallium(1 + ) salt. Thallium(I) acetate.
591082	2,6-Dinitrophenol.
592018	Benzene, 1,3-diisocyanatomethyl-.
592041	Toluene diisocyanate.
592858	2,4-Toluene diisocyanate.
592870	Acetamide, N-(aminothioxomethyl)-.
593602	1-Acetyl-2-thiourea.
594423	Calcium cyanide Ca(CN)2.
598312	Mercuric cyanide.
606202	Mercuric thiocyanate.
608731	Lead thiocyanate.
608935	Vinyl bromide.
609198	Methanesulfonyl chloride, trichloro-.
610399	Trichloromethanesulfonyl chloride.
615532	Bromoacetone.
621647	2-Propanone, 1-bromo-.
624839	Benzene, 2-methyl-1,3-dinitro-.
625161	2,6-Dinitrotoluene.
626380	HEXACHLOROXYCLOHEXANE (all isomers).
628637	Benzene, pentachloro-.
630104	Pentachlorobenzene.
630206	3,4,5-Trichlorophenol.
631618	3,4-Dinitrotoluene.
636215	Carbamic acid, methylnitroso-, ethyl ester. N-Nitroso-N-methylurethane. Di-n-propylnitrosamine. 1-Propanamine, N-nitroso-N-propyl-.

CASRN	Hazardous substance
640197	o-Toluidine hydrochloride. Acetamide, 2-fluoro-.
644644	Fluoroacetamide. Carbamic acid, dimethyl-, 1-[(dimethyl- amino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester. Dimetilan.
680319	Hexamethylphosphoramide.
684935	N-Nitroso-N-methylurea.
692422	Urea, N-methyl-N-nitroso-.
696286	Arsine, diethyl-.
757584	Diethylarsine. Arsonous dichloride, phenyl-.
759739	Dichlorophenylarsine. Hexaethyl tetraphosphate.
764410	Tetraphosphoric acid, hexaethyl ester. N-Nitroso-N-ethylurea.
765344	Urea, N-ethyl-N-nitroso-.
815827	1,4-Dichloro-2-butene.
822060	2-Butene, 1,4-dichloro-.
823405	Glycidylaldehyde. Oxiranecarboxyaldehyde. Cupric tartrate.
924163	Hexamethylene-1,6-diisocyanate.
930552	Benzenediamine, ar-methyl-.
933755	Toluenediamine.
933788	2,4-Toluene diamine.
959988	N-Nitrosodi-n-butylamine.
1024573	1-Butanamine, N-butyl-N-nitroso-.
1031078	N-Nitrosopyrrolidine.
1066304	Pyrrolidine, 1-nitroso-.
1066337	2,3,6-Trichlorophenol.
1072351	2,3,5-Trichlorophenol.
1111780	alpha-Endosulfan.
1116547	Heptachlor epoxide.
1120714	Endosulfan sulfate.
1129415	Chromic acetate.
1185575	Ammonium bicarbonate.
1194656	Lead stearate.
1300716	Ammonium carbamate.
1303282	Ethanol, 2,2'-(nitrosoimino)bis-.
1303328	N-Nitrosodiethanolamine.
1303339	1,2-Oxathiolane, 2,2-dioxide.
1309644	1,3-Propane sultone.
1310583	Carbamic acid, methyl-, 3-methylphenyl ester.
1310732	Metolcarb.
1314325	Ferric ammonium citrate.
1314803	Dichlobenil.
1314847	Xylenol.
1314870	Arsenic oxide As2O5.
1319728	Arsenic pentoxide.
1319773	Arsenic disulfide.
	Arsenic trisulfide.
	Antimony trioxide.
	Potassium hydroxide.
	Sodium hydroxide.
	Thallic oxide.
	Thallium oxide Tl2O3.
	Vanadium oxide V2O5.
	Vanadium pentoxide.
	Phosphorus pentasulfide.
	Phosphorus sulfide.
	Sulfur phosphide.
	Zinc phosphide Zn3P2.
	Lead sulfide.
	2,4,5-T amines.
	Cresol (cresylic acid).
	Cresols (isomers and mixture).
	Cresylic acid (isomers and mixture).
	Phenol, methyl-.

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ARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
1320189	2,4-D Ester.
1321126	Nitrotoluene.
1327533	Arsenic oxide As <sub>2</sub> O <sub>3</sub> .
1330207	Arsenic trioxide.
	Benzene, dimethyl-.
	Xylene.
	Xylene (mixed).
	Xylenes (isomers and mixture).
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.
1464535	1,2:3,4-Diepoxybutane.
	2,2'-Bioxirane.
1563388	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-.
	Carbofuran phenol.
1563662	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate.
	Carbofuran.
1582098	Trifluralin.
1615801	Hydrazine, 1,2-diethyl-.
	N,N'-Diethylhydrazine.
1634044	Methyl tert-butyl ether.
1646884	Aldicarb sulfone.
	Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-[(methylamino)carbonyl] oxime.
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.
1928387	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.
	Methiocarb.
	Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate.
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 carbamate.
	Promecarb.
2763964	3(2H)-Isloxazolone, 5-(aminomethyl)-.
	5-(Aminomethyl)-3-isoxazolol.
2764729	Diquat
2921882	Chlorpyrifos.
2944674	Ferric ammonium oxalate.
2971382	2,4-D Ester.
3012655	Ammonium citrate, dibasic.
3164292	Ammonium tartrate.

CASRN	Hazardous substance
3165933	Benzenamine, 4-chloro-2-methyl-, hydrochloride.
	4-Chloro-o-toluidine, hydrochloride.
3251238	Cupric nitrate.
3288582	O,O-Diethyl S-methyl dithiophosphate.
	Phosphorodithioic acid, O,O-diethyl S-methyl ester.
3486359	Zinc carbonate.
3547044	DDE.
3689245	Tetraethyldithiopyrophosphate.
	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.
7439921	Lead.
7439976	Mercury.
7440020	Nickel.
7440224	Silver.
7440235	Sodium.
7440280	Thallium.
7440360	Antimony.
7440382	Arsenic.
7440417	Beryllium.
	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 SeS <sub>2</sub> .
7550450	Titanium tetrachloride.
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.



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APPENDIX A TO § 302.4—SEQUENTIAL CAS  
REGISTRY NUMBER LIST OF CERCLA HAZ-  
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CASRN	Hazardous substance
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.
7758943	Ferrous chloride.
7758954	Lead chloride.
7758987	Cupric sulfate.
7761888	Silver nitrate.
7773060	Ammonium sulfamate.
7775113	Sodium chromate.
7778394	Arsenic acid H <sub>3</sub> AsO <sub>4</sub> .
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.
7783008	Selenious acid.
7783064	Hydrogen sulfide H <sub>2</sub> 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.
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.
7803512	Hydrogen phosphide. Phosphine.
7803556	Ammonium vanadate. Vanadic acid, ammonium salt.
8001352	Chlorinated camphene. Toxaphene.
8003198	Dichloropropane—Dichloropropene (mixture).
8003347	Pyrethrins.
8014957	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.

CASRN	Hazardous substance
10039324	Sodium phosphate, dibasic.
10043013	Aluminum sulfate.
10045893	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 <sub>2</sub> .
10102440	Nitric acid, thallium(1 + ) salt. Thallium(I) nitrate.
10102451	Lead arsenate. Cadmium chloride. Potassium arsenite. Sodium phosphate, dibasic. Ammonium bisulfite. Ammonium sulfite.
10102484	Sodium phosphate, tribasic.
10108642	Cupric sulfate, ammoniated.
10124502	Mercurous nitrate.
10140655	Ferric nitrate.
10192300	Nitrogen dioxide. Nitrogen oxide NO <sub>2</sub> .
10196040	Sodium bichromate.
10361894	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester. Carbendazim.
10380297	Aroclor 1260.
10415755	Aroclor 1254.
10421484	Aroclor 1221.
10544726	Chromic acid. Aroclor 1232. Cupric acetoarsenite. Selenious acid, dithallium(1 + ) salt. Thallium (I) selenite. Nickel hydroxide.
10588019	Ammonium fluoride.
10605217	Ammonium chloride. Ammonium sulfide.
11096825	Aroclor 1248.
11097691	Aroclor 1016.
11104282	Sulfur monochloride.
11115745	Nickel carbonyl Ni(CO) <sub>4</sub> , (T-4)- 2,4,5-T salts.
11141165	Beryllium nitrate.
12002038	Zirconium nitrate.
12039520	Calcium chromate. Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt. Lead fluoborate.
12054487	Ammonium fluoborate.
12125018	sec-Butylamine.
12125029	Cobaltous sulfamate.
12135761	Nickel nitrate.
12672296	Ammonium oxalate.
12674112	Lithium chromate.
12771083	Ammonium tartrate.
13463393	Zinc ammonium chloride.
13560991	Zinc ammonium chloride.
13597994	Zirconium sulfate.
13746899	Manganese, bis(dimethylcarbamodithioato-S,S')
13765190	Manganese dimethyldithiocarbamate.
13814965	Nickel ammonium sulfate.
13826830	Lead sulfate.
13952846	
14017415	
14216752	
14258492	
14307358	
14307438	
14639975	
14639986	
14644612	
15339363	
15699180	
15739807	

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

CASRN	Hazardous substance
15950660	2,3,4-Trichlorophenol.
16721805	Sodium hydrosulfide.
16752775	Ethanimidothioic acid, N-[[[(methylamino)carbonyl]oxy]-, methyl ester. Methomyl.
16871719	Zinc silicofluoride.
16919190	Ammonium silicofluoride.
16923958	Zirconium potassium fluoride.
17702577	Formparanate.
17804352	Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[[(methylamino)carbonyl]oxy]phenyl]-. Benomyl.
18883664	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester.
18883664	D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)carbonyl]amino]-. Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-. Streptozotocin.
20816120	Osmium oxide OsO <sub>4</sub> , (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	Bendiocarb. 1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate.
22961826	Bendiocarb phenol. 1,3-Benzodioxol-4-ol, 2,2-dimethyl-.
23135220	Ethanimidothioic acid, 2-(dimethylamino)-N-[[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester. Oxamyl.
23422539	Methanimidamide, N,N-dimethyl-N'-[3-[[[(methylamino)carbonyl]oxy]phenyl]-, monohydrochloride.
23564058	Formetanate hydrochloride. Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester. Thiophanate-methyl.
23950585	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-. Pronamide.
25154545	Dinitrobenzene (mixed).
25154556	Nitrophenol (mixed).
25155300	Sodium dodecylbenzenesulfonate.
25167822	Trichlorophenol.
25168154	2,4,5-T esters.
25168267	2,4-D Ester.
25321146	Dinitrotoluene.
25321226	Dichlorobenzene.
25376458	Benzenediamine, ar-methyl-. Toluenediamine. 2,4-Toluene diamine.
25550587	Dinitrophenol.
26264062	Calcium dodecylbenzenesulfonate.
26419738	1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[[[(methylamino)carbonyl]oxime. Tirpate.
26471625	Benzene, 1,3-diisocyanatomethyl-. Toluene diisocyanate. 2,4-Toluene diisocyanate.
26628228	Sodium azide.
26638197	Dichloropropane.
26952238	Dichloropropene.
27176870	Dodecylbenzenesulfonic acid.

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

CASRN	Hazardous substance
27323417	Triethanolamine dodecylbenzene sulfonate.
27774136	Vanadyl sulfate.
28300745	Antimony potassium tartrate.
30525894	Paraformaldehyde.
30558431	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester. A2213.
32534955	2,4,5-TP esters.
33213659	beta - Endosulfan.
36478769	Uranyl nitrate.
37211055	Nickel chloride.
39196184	Thiofanox. 2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[[[(methylamino)carbonyl]oxime. Isopropanolamine dodecylbenzenesulfonate.
42504461	Zinc ammonium chloride.
52628258	Lead stearate.
52652592	Calcium arsenite.
52740166	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester. Prosulfocarb.
52888809	2,4-D Ester. Aroclor 1242.
53467111	Carbamic acid, [[(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester. Carbosulfan.
53469219	Ferric ammonium oxalate.
55285148	Lead stearate.
55488874	Ethanimidothioic acid, N,N'-[[thiois((methylimino)carbonyloxy)]bis-, dimethyl ester. Thiodicarb.
56189094	2,4,5-T esters.
59669260	
61792072	

APPENDIX B TO § 302.4—RADIONUCLIDES

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Radionuclides@		1&(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)

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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)
Antimony-124	51	10 (3.7E 11)
Antimony-125	51	10 (3.7E 11)
Antimony-126m	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)
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)

Radionuclide	Atomic Number	Final RQ Ci (Bq)
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-244	98	1000 (3.7E 13)
Californium-246	98	10 (3.7E 11)
Californium-248	98	0.1 (3.7E 9)
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)

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Radionuclide	Atomic Number	Final RQ Ci (Bq)
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)
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)
Francium-222	87	100 (3.7E 12)
Francium-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 (3.7E7)
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)

Radionuclide	Atomic Number	Final RQ Ci (Bq)
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)
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)

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APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued

APPENDIX B TO § 302.4—RADIONUCLIDES—  
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Radionuclide	Atomic Number	Final RQ Ci (Bq)
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)
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-198	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-202m	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)

Radionuclide	Atomic Number	Final RQ Ci (Bq)
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)
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-89 (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)

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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)
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)
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-226 <sup>Φ</sup>	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)
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)

Radionuclide	Atomic Number	Final RQ Ci (Bq)
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)
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)

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APPENDIX B TO § 302.4—RADIONUCLIDES—  
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APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued

Radionuclide	Atomic Number	Final RQ Ci (Bq)
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)
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)

Radionuclide	Atomic Number	Final RQ Ci (Bq)
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 $\phi$	90	0.001 (3.7E 7)
Thorium-234	90	100 (3.7E 12)
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 $\phi$	92	0.1 (3.7E 9)
Uranium-235 $\phi$	92	0.1 (3.7E 9)
Uranium-236	92	0.1 (3.7E 9)
Uranium-237	92	100 (3.7E 12)
Uranium-238 $\phi$	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)

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APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued

Radionuclide	Atomic Number	Final RQ Ci (Bq)
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)
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.

φ—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, which appears in the Finding Aids section of the printed volume and at [www.govinfo.gov](http://www.govinfo.gov).

§ 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 toxicity identified in 40 CFR 261.24. Unlisted hazardous wastes which exhibit toxicity have the reportable quantities listed in Table 302.4 for the contaminant on which the characteristic of toxicity is based. The reportable quantity applies to the waste itself, not merely to the toxic contaminant. If an unlisted hazardous waste exhibits 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 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, 1986, as amended at 54 FR 22538, May 24, 1989; 67 FR 45356, July 9, 2002]

§ 302.6 Notification requirements.

(a) Any person in charge of a vessel or an offshore or an onshore facility shall, as soon as he or she 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 (1–800–424–8802; in Washington, DC 202–267–2675; the facsimile number is 202–267–1322).

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



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(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, K172, K174, and K175, 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
K170 .....	Benzene .....	1.2
	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 .....	1,600.0
K172 .....	Benzene .....	100.0
	Arsenic .....	730.0
K174 .....	2,3,7,8-TCDD .....	0.000039
	1,2,3,7,8-PeCDD .....	0.0000108
	1,2,3,4,7,8-HxCDD .....	0.0000241
	1,2,3,6,7,8-HxCDD .....	0.000083
	1,2,3,7,8,9-HxCDD .....	0.000062
	1,2,3,4,6,7,8-HpCDD .....	0.00123
	OCDD .....	0.0129
	2,3,7,8-TCDF .....	0.000145
	1,2,3,7,8-PeCDF .....	0.0000777
	2,3,4,7,8-PeCDF .....	0.000127
	1,2,3,4,7,8-HxCDF .....	0.001425
	1,2,3,6,7,8-HxCDF .....	0.000281
	1,2,3,7,8,9-HxCDF .....	0.00014
	2,3,4,6,7,8-HxCDF .....	0.000648
	1,2,3,4,6,7,8-HpCDF .....	0.0207
	1,2,3,4,7,8,9-HpCDF .....	0.0135
	OCDF .....	0.212
K175 .....	Mercury .....	9200

(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

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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).

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

(1) Releases in amounts less than 1,000 pounds per 24 hours of nitrogen oxide to the air which are the result of combustion and combustion-related activities.

(2) Releases in amounts less than 1,000 pounds per 24 hours of nitrogen dioxide to the air which are the result of combustion and combustion-related activities.

(3) Air emissions from animal waste (including decomposing animal waste) at a farm.

[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; 65 FR 67132, Nov. 8, 2000; 67 FR 45356, July 9, 2002; 71 FR 58533, Oct. 4, 2006; 73 FR 76959, Dec. 18, 2008; 76 FR 9666, Feb. 22, 2011; 77 FR 10390, Feb. 22, 2012; 83 FR 37446, Aug. 1, 2018]

### § 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 or she has knowledge of such release or who submits in such a notification any information which he knows to be false or misleading shall be subject to all of the sanctions, including criminal penalties, set forth in section 103(b) of the Act.

(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.

[50 FR 13474, Apr. 4, 1985, as amended at 67 FR 45356, July 9, 2002]

### § 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

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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 qualifying 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 (b) 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 ves-

sel 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).

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(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 (b) 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 increase 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 Re-

gional 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 berth-

ing, 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.

(1) *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, as amended at 67 FR 45357, July 9, 2002]

## PART 303—CITIZEN AWARDS FOR INFORMATION ON CRIMINAL VIOLATIONS UNDER SUPERFUND

### Subpart A—General

Sec.  
303.10 Purpose.  
303.11 Definitions.