

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]

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

Sec.

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

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

### § 302.1 Applicability.

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

### § 302.2 Abbreviations.

CASRN=Chemical Abstracts Service Registry Number

RCRA=Resource Conservation and Recovery Act of 1976, as amended

lb=pound

kg=kilogram

RQ=reportable quantity

### § 302.3 Definitions.

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

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

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

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

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

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

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

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

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

*Onshore facility* means any facility (including, but not limited to, motor vehicles and rolling stock) of any kind located in, on, or under, any land or

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non-navigable waters within the United States;

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

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

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

*United States* include the several States of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Commonwealth of the North-

ern Marianas, and any other territory or possession over which the United States has jurisdiction; and

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

§ 302.4 Designation of hazardous substances.

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

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

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

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Acenaphthene .....	83329	.....	1*	2		B	100 (45.4)
Acenaphthylene .....	208968	.....	1*	2		D	5000 (2270)
Acetaldehyde .....	75070	.....	1000	1,3,4	U001	C	1000 (454)
Acetaldehyde, chloro- .....	107200	.....	1*	4	P023	C	1000 (454)
Acetaldehyde, trichloro- .....	75876	.....	1*	4	U034	D	5000 (2270)
Acetamide .....	60355	.....	1*	3		B	100 (45.4)
Acetamide, N-(aminothioxomethyl)- .....	591082	.....	1*	4	P002	C	1000 (454)
Acetamide, N-(4-ethoxyphenyl)- .....	62442	.....	1*	4	U187	B	100 (45.4)
Acetamide, 2-fluoro- .....	640197	.....	1*	4	P057	B	100 (45.4)
Acetamide, N-9H-fluoren-2-yl- .....	53963	.....	1*	3,4	U005	X	1 (0.454)
Acetic acid .....	64197	.....	1000	1		D	5000 (2270)
Acetic acid (2,4-dichlorophenoxy)-, salts & esters .....	94757	.....	100	1,3,4	U240	B	100 (45.4)
Acetic acid, Lead(2+) salt .....	301042	.....	5000	1,4	U144	A	10 (4.54)
Acetic acid, thallium (1+) salt .....	563688	.....	1*	4	U214	B	100 (45.4)
Acetic acid, (2,4,5-trichlorophenoxy) .....	93765	.....	100	1,4	U232	C	1000 (454)
Acetic acid, ethyl ester .....	141786	.....	1*	4	U112	D	5000 (2270)
Acetic acid, fluoro-, sodium salt .....	62748	.....	1000	1	P058	A	10 (4.54)
Acetic anhydride .....	108247	.....	1000	1		D	5000 (2270)
Acetone .....	67641	.....	1*	4	U002	D	5000 (2270)
Acetone cyanohydrin .....	75865	.....	10	1,4	P069	A	10 (4.54)
Acetonitrile .....	75058	.....	1*	3,4	U003	D	5000 (2270)
Acetophenone .....	98862	.....	1*	3,4	U004	D	5000 (2270)
2-Acetylaminofluorene .....	53963	.....	1*	3,4	U005	X	1 (0.454)
Acetyl bromide .....	506967	.....	5000	1		D	5000 (2270)
Acetyl chloride .....	75365	.....	5000	1,4	U006	D	5000 (2270)
1-Acetyl-2-thiourea .....	591082	.....	1*	4	P002	C	1000 (454)
Acrolein .....	107028	.....	1	1,2,3,4	P003	X	1 (0.454)
Acrylamide .....	79061	.....	1*	3,4	U007	D	5000 (2270)
Acrylic acid .....	79107	.....	1*	3,4	U008	D	5000 (2270)
Acrylonitrile .....	107131	.....	100	1,2,3,4	U009	B	100 (45.4)
Adipic acid .....	124049	.....	5000	1		D	5000 (2270)
Aldicarb .....	116063	.....	1*	4	P070	X	1 (0.454)
Aldrin .....	309002	.....	1	1,2,4	P004	X	1 (0.454)
Allyl alcohol .....	107186	.....	100	1,4	P005	B	100 (45.4)

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ		
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Allyl chloride .....	107051	.....	1000	1,3		C	1000 (454)
Aluminum phosphide .....	20899738	.....	1*	4	P006	B	100 (45.4)
Aluminum sulfate .....	10043013	.....	5000	1		D	5000 (2270)
4-Aminobiphenyl .....	92671	.....	1*	3		X	1 (0.454)
5-(Aminomethyl)-3-isoxazolol .....	2763964	Muscimol 3(2H)-isoxazolone, 5-(aminomethyl)-	1*	4	P007	C	1000 (454)
4-Aminopyridine .....	504245	4-Pyridinamine	1*	4	P008	C	1000 (454)
Amitrole .....	61825	1H-1,2,4-Triazol-3-amine	1*	4	U011	A	10 (4.54)
Ammonia .....	7664417	.....	100	1		B	100 (45.4)
Ammonium acetate .....	631618	.....	5000	1		D	5000 (2270)
Ammonium benzoate .....	1863634	.....	5000	1		D	5000 (2270)
Ammonium bicarbonate .....	1066337	.....	5000	1		D	5000 (2270)
Ammonium bichromate .....	7789095	.....	1000	1		A	10 (4.54)
Ammonium bifluoride .....	1341497	.....	5000	1		B	100 (45.4)
Ammonium disulfite .....	10192300	.....	5000	1		D	5000 (2270)
Ammonium carbamate .....	1111780	.....	5000	1		D	5000 (2270)
Ammonium carbonate .....	506876	.....	5000	1		D	5000 (2270)
Ammonium chloride .....	12125029	.....	5000	1		D	5000 (2270)
Ammonium chromate .....	7789889	.....	1000	1		A	10 (4.54)
Ammonium citrate, dibasic .....	3012655	.....	5000	1		D	5000 (2270)
Ammonium fluoroborate .....	13828630	.....	5000	1		D	5000 (2270)
Ammonium fluoride .....	12125018	.....	5000	1		B	100 (45.4)
Ammonium hydroxide .....	1336216	.....	1000	1		C	1000 (454)
Ammonium oxalate .....	6009707	.....	5000	1		D	5000 (2270)
Ammonium picrate .....	14258492	Phenol, 2,4,6-trinitro-, ammonium salt	1*	4	P009	A	10 (4.54)
Ammonium silicofluoride .....	131748	.....	1000	1		C	1000 (454)
Ammonium sulfamate .....	16919190	.....	5000	1		D	5000 (2270)
Ammonium sulfide .....	7773060	.....	5000	1		B	100 (45.4)
Ammonium sulfite .....	12135761	.....	5000	1		D	5000 (2270)
Ammonium tartrate .....	10196040	.....	5000	1		D	5000 (2270)
Ammonium thiocyanate .....	14307438	.....	5000	1		D	5000 (2270)
Ammonium vanadate .....	3164292	.....	5000	1		D	5000 (2270)
Ammonium vanadate .....	1762954	.....	1*	4	P119	C	1000 (454)
Amyl acetate .....	7803556	Vanadic acid, ammonium salt	1000	1		D	5000 (2270)
iso-Amyl acetate .....	628637	.....					
sec-Amyl acetate .....	123922	.....					
tert-Amyl acetate .....	626380	.....					
Aniline .....	625161	.....					
o-Anisidine .....	62533	Benzenamine	1000	1,3,4	U012	D	5000 (2270)
Anthracene .....	90040	.....	1*	3		B	100 (45.4)
	120127	.....	1*	2		D	5000 (2270)

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Antimony <sup>††</sup> ANTIMONY AND COMPOUNDS	7440360 N.A. N.A. 647189 28300745 7789619 10025919 7783564 1309644 506816 12674112	Antimony compounds ANTIMONY AND COMPOUNDS	1* 1* 1000 1000 1000 1000 5000 1* 10	2 2,3 2,3 1 1 1 1 1 4 1,2,3	D	5000 (2270) ** ** 1000 (454) 100 (45.4) 1000 (454) 1000 (454) 1000 (454) 1000 (454) 1000 (454) 1 (0.454) 1 (0.454)
Antimony <sup>††</sup> ANTIMONY AND COMPOUNDS	7440360 N.A. N.A. 647189 28300745 7789619 10025919 7783564 1309644 506816 12674112	Antimony compounds ANTIMONY AND COMPOUNDS	1* 1* 1000 1000 1000 1000 5000 1* 10	2 2,3 2,3 1 1 1 1 1 4 1,2,3		5000 (2270) ** ** 1000 (454) 100 (45.4) 1000 (454) 1000 (454) 1000 (454) 1000 (454) 1 (0.454) 1 (0.454)
Argentate(1-), bis(cyano-C)-, potassium	11104282	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1016	11141165	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1221	53469219	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1232	12672296	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1242	11097691	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1248	11096825	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1254	1336363	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1260	12674112	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclors	11104282 11141165 53469219 12672296 11097691	POLYCHLORINATED BIPHENYLS PCBs PCBs PCBs PCBs	10 10 10 10 10	1,2,3 1,2,3 1,2,3 1,2,3 1,2,3	X X X X X	1 (0.454) 1 (0.454) 1 (0.454) 1 (0.454) 1 (0.454)
Atroclor 1016	1336363	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1221	12674112	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1232	11104282	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1242	11141165	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1248	53469219	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1254	12672296	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Atroclor 1260	11097691	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Arsenic <sup>††</sup>	11096825	POLYCHLORINATED BIPHENYLS	10	1,2,3	X	1 (0.454)
Arsenic acid	7440382 1327522 7778394 1327522 7778394	Arsenic acid H <sub>3</sub> AsO <sub>4</sub> Arsenic acid	1* 1* 1* 1* 1*	2,3 4 4 4 4	X X X X X	1 (0.454) 1 (0.454) 1 (0.454) 1 (0.454) 1 (0.454)
Arsenic acid H <sub>3</sub> AsO <sub>4</sub>	1327522 7778394	Arsenic acid	1* 1*	4 4	X X	1 (0.454) 1 (0.454)
ARSENIC AND COMPOUNDS	N.A.	Arsenic Compounds (inorganic including ar- sine)	1*	2,3		**
Arsenic Compounds (inorganic including arsine)	N.A.	ARSENIC AND COMPOUNDS	1*	2,3	X	**
Arsenic disulfide	1303328	ARSENIC AND COMPOUNDS	5000	1	X	1 (0.454)
Arsenic oxide As <sub>2</sub> O <sub>3</sub>	1327533	Arsenic trioxide	5000	1,4 P012	X	1 (0.454)

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ		
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Arsenic oxide As <sub>2</sub> O <sub>3</sub> .....	1303282	Arsenic pentoxide .....	5000	1,4	P011	X	1 (0.454)
Arsenic pentoxide .....	1303282	Arsenic oxide As <sub>2</sub> O <sub>3</sub> .....	5000	1,4	P011	X	1 (0.454)
Arsenic trichloride .....	7784341	.....	5000	1	P012	X	1 (0.454)
Arsenic trioxide .....	1327533	.....	5000	1,4	P012	X	1 (0.454)
Arsenic trisulfide .....	1303339	.....	5000	1	P012	X	1 (0.454)
Arsine, diethyl- .....	692422	Diethylarsine .....	1*	4	P038	X	1 (0.454)
Arsinic acid, dimethyl- .....	75605	Diethylarsine .....	1*	4	P038	X	1 (0.454)
Arsinous dichloride, phenyl- .....	696286	.....	1*	4	P036	X	1 (0.454)
Asbestos ††† .....	1332214	.....	1*	2,3	P036	X	1 (0.454)
Auramine .....	492808	Benzenamine, 4,4'-carbonyldiylbis (N,N-dimethyl)- .....	1*	4	U014	B	100 (45.4)
Azaserine .....	115026	L-Serine, diazoacetate (ester) .....	1*	4	U015	X	1 (0.454)
Azidine .....	151564	Ethyleneimine .....	1*	3,4	P054	X	1 (0.454)
Aziridine, 2-methyl- .....	75558	2-Methyl aziridine 1,2-Propyleneimine .....	1*	3,4	P067	X	1 (0.454)
Azrinol[2',3'-3,4]pyrrolo[1,2-a]indole-4,7-dione 6-amino-8-[[[amino-carbonyloxy]methyl]-1,1a,2,8,8a-hexahydro-8a-methoxy-5-methyl-11aS-(1aalpha,8beta,8alpha,8balpha)]- .....	50077	Mitomycin C .....	1*	4	U010	A	10 (4.54)
Barium cyanide .....	542621	.....	10	1,4	P013	A	10 (4.54)
Benz[j]aceanthrylene, 1,2-dihydro-3-methyl- .....	56495	.....	1*	4	U157	A	10 (4.54)
Benz[j]acridine .....	228514	3-Methylcholanthrene .....	1*	4	U016	B	100 (45.4)
Benzal chloride .....	98873	Benzeno, dichloromethyl- .....	1*	4	U017	D	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propenyl)- .....	23950585	Benzol[j]anthracene .....	1*	4	U192	D	5000 (2270)
Benz[aj]anthracene .....	56553	1,2-Benzanthracene .....	1*	2,4	U018	A	10 (4.54)
1,2-Benzanthracene .....	56553	Benz[aj]anthracene .....	1*	2,4	U018	A	10 (4.54)
Benz[aj]anthracene, 7,12-dimethyl- .....	57976	Benzol[k]anthracene .....	1*	4	U094	X	1 (0.454)
Benzenamine .....	62533	7,12-Dimethylbenz[aj]anthracene .....	1000	1,3,4	U012	D	5000 (2270)
Benzenamine, 4,4'-carbonyldiylbis (N,N-dimethyl)- .....	492808	Aniline .....	1*	4	U014	B	100 (45.4)
Benzenamine, 4-chloro- .....	106478	Auramine .....	1*	4	P024	C	1000 (45.4)
Benzenamine, 4-chloro-2-methyl-, hydrochloride .....	3165933	p-Chloroaniline .....	1*	4	U049	B	100 (45.4)
Benzenamine, N,N-dimethyl-4-(phenylazo)- .....	60117	4-Chloro-o-toluidine, hydrochloride .....	1*	4	U093	A	10 (4.54)
Benzenamine, 2-methyl- .....	95534	Dimethyl aminoazobenzene .....	1*	3,4	U038	B	100 (45.4)
Benzenamine, 4-methyl- .....	106490	p-Dimethylaminoazobenzene .....	1*	3,4	U328	B	100 (45.4)
Benzenamine, 4,4'-methylenebis(2-chloro- .....	101144	o-Toluidine .....	1*	4	U353	B	100 (45.4)
Benzenamine, 2-methyl-, hydrochloride .....	636215	4,4'-Methylenebis(2-chloroaniline) .....	1*	3,4	U158	A	10 (4.54)
Benzenamine, 2-methyl-5-nitro- .....	99558	o-Toluidine hydrochloride .....	1*	4	U222	B	100 (45.4)
Benzenamine, 4-nitro- .....	100016	5-Nitro-o-toluidine .....	1*	4	U181	B	100 (45.4)
Benzene <sup>a</sup> .....	71432	p-Nitroaniline .....	1000	1,2,3,4	U109	D	5000 (2270)
Benzeneacetic acid, 4-chloro- $\alpha$ -(4-chlorophenyl)- $\alpha$ -hydroxy-, ethyl ester .....	510156	Chlorobenzilate .....	1*	3,4	U038	A	10 (4.54)

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Benzene, 1-bromo-4-phenoxy-	101553	4-Bromophenyl phenyl ether	1*	2,4	U030	B	100 (45.4)
Benzenebutanoic acid, 4-bis(2-chloroethyl)amino]	305033	Chlorambucil	1*	4	U035	A	10 (4.54)
Benzene, chloro-	108907	Chlorobenzene	100	1,2,3,4	U037	B	100 (45.4)
Benzene, chloromethyl-	100447	Benzyl chloride	100	1,3,4	P028	B	100 (45.4)
Benzenediamine, ar-methyl-	95807	Toluenediamine	1*	3,4	U221	A	10 (4.54)
	496720	2,4-Toluene diamine					
	823405						
	25376458						
1,2-Benzenedicarboxylic acid, dioctyl ester	117840	Di-n-octyl phthalate	1*	2,4	U107	D	5000 (2270)
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	117817	Bis(2-ethylhexyl)phthalate	1*	2,3,4	U028	B	100 (45.4)
		DEHP					
1,2-Benzenedicarboxylic acid, dibutyl ester	84742	Diethylhexyl phthalate	100	1,2,3,4	U069	A	10 (4.54)
		n-Butyl phthalate					
		Dibutyl phthalate					
		D-n-butyl phthalate					
1,2-Benzenedicarboxylic acid, diethyl ester	84662	Diethyl phthalate	1*	2,4	U088	C	1000 (454)
1,2-Benzenedicarboxylic acid, dimethyl ester	131113	Dimethyl phthalate	1*	2,3,4	U102	D	5000 (2270)
Benzene, 1,2-dichloro-	95501	o-Dichlorobenzene	100	1,2,4	U070	B	100 (45.4)
		1,2-Dichlorobenzene					
Benzene, 1,3-dichloro-	541731	m-Dichlorobenzene	1*	2,4	U071	B	100 (45.4)
		1,3-Dichlorobenzene					
Benzene, 1,4-dichloro-	106467	p-Dichlorobenzene	100	1,2,3,4	U072	B	100 (45.4)
		1,4-Dichlorobenzene					
Benzene, 1,1'-(2,2-dichloroethyldiene)bis[4-chloro-	72548	DDD	1	1,2,4	U060	X	1 (0.454)
		1,4-Dichlorobenzene					
		TDE					
		4,4' DDD					
Benzene, dichloromethyl-	98873	Benzal chloride	1*	4	U017	D	5000 (2270)
Benzene, 1,3-diiisocyanatomethyl-	91087	Toluene diisocyanate	1*	3,4	U223	B	100 (45.4)
	584849	2,4-Toluene diisocyanate					
	26471625						
Benzene, dimethyl-	1330207	Xylene	1000	1,3,4	U239	B	100 (45.4)
		Xylene (mixed)					
Benzene, m-dimethyl-	108383	Xylenes (isomers and mixture)	1*	3		C	1000 (454)
Benzene, o-dimethyl-	95476	m-Xylene	1*	3		C	1000 (454)
Benzene, p-dimethyl-	106423	o-Xylene	1*	3		B	100 (45.4)
1,3-Benzenediol	108463	Resorcinol	1000	1,4	U201	D	5000 (2270)
1,2-Benzenediol,4-[1-hydroxy-2-(methylamino)ethyl]-	51434	Epinephrine	1*	4	P042	C	1000 (454)
Benzeneethanamine, alpha, alpha-dimethyl-	122098	alpha, alpha-Dimethylphenethylamine	1*	4	P046	D	5000 (2270)
Benzene, hexachloro-	118741	Hexachlorobenzene	1*	2,3,4	U127	A	10 (4.54)
Benzene, hexahydro-	110827	Cyclohexane	1000	1,4	U056	C	1000 (454)
Benzene, hydroxy-	108952	Phenol	1000	1,2,3,4	U188	C	1000 (454)
Benzene, methyl-	108883	Toluene	1000	1,2,3,4	U220	C	1000 (454)
Benzene, 2-methyl-1,3-dinitro-	606202	2,6-Dinitrotoluene	1000	1,2,4	U106	B	100 (45.4)
Benzene, 1-methyl-2,4-dinitro-	121142	2,4-Dinitrotoluene	1000	1,2,3,4	U105	A	10 (4.54)
Benzene, (1-methyl)ethyl-	98828	Cumene	1*	3,4	U055	D	5000 (2270)
Benzene, nitro-	98953	Nitrobenzene	1000	1,2,3,4	U169	C	1000 (454)
Benzene, pentachloro-	608935	Pentachlorobenzene	1*	4	U183	A	10 (4.54)

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ		
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Benzene, pentachloronitro- .....	82688	PCNB Pentachloronitrobenzene	1*	3,4	U185	B	100 (45.4)
Benzenesulfonic acid chloride .....	98099	Quintobenzene	1*	4	U020	B	100 (45.4)
Benzenesulfonyl chloride .....	98099	Benzenesulfonyl chloride	1*	4	U020	B	100 (45.4)
Benzene, 1,2,4,5-tetrachloro- .....	95943	Benzenesulfonic acid chloride	1*	4	U020	B	5000 (2270)
Benzenethiol .....	108985	1,2,4,5-Tetrachlorobenzene	1*	4	P014	D	100 (45.4)
Benzene, 1,1-(2,2,2-tri- chloroethylidene)bis(4-chloro-4,4'-DDT .....	50293	Thiophenol	1	1,2,4	U061	X	1 (0.454)
Benzene, 1,1-(2,2,2-trichloroethylidene) bis(4-methoxy-4,4'-DDT .....	72435	4,4'-DDT	1	1,3,4	U247	X	1 (0.454)
Benzene, (trichloromethyl)- .....	98077	Methoxychlor	1*	3,4	U023	A	10 (4.54)
Benzene, 1,3,5-trinitro- .....	99354	Benzotrithloride	1*	4	U234	A	10 (4.54)
Benzidine .....	92875	1,3,5-Trinitrobenzene	1*	4	U234	A	10 (4.54)
1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide .....	81072	[1,1'-Biphenyl]-4,4'-diamine	1*	2,3,4	U021	X	1 (0.454)
Benz[a]anthracene .....	56553	Saccharin and salts	1*	4	U020	B	100 (45.4)
Benz[b]fluoranthene .....	205992	Benz[a]anthracene	1*	2,4	U018	A	10 (4.54)
Benz[k]fluoranthene .....	207089	1,2-Benzanthracene	1*	2		X	1 (0.454)
Benzofluorene .....	206440	Fluoranthene	1*	2,4	U120	D	5000 (2270)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, (Bendiocarb phenol) .....	22961826		1*	4	U364	B	100 (45.4)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate (Bendiocarb) .....	22781233		1*	4	U278	B	##
1,3-Benzodioxole, 5-(1-propenyl)- .....	120581	Isosafrole	1*	4	U141	B	100 (45.4)
1,3-Benzodioxole, 5-(2-propenyl)- .....	94597	Safrole	1*	4	U203	B	100 (45.4)
1,3-Benzodioxole, 5-propyl- .....	94586	Dihydrosafrole	1*	4	U090	A	10 (4.54)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, (Carbofuran phenol) .....	1563388		1*	4	U367	D	##
Benzoic acid .....	68850		5000	1			5000 (2270)
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) (Physosigimine salicylate) .....	57647		1*	4	P188		##
Benzonitrile .....	100470		1000	1			5000 (2270)
Benzo [s]pentaene .....	189559	Dibenz[a,h]pyrene	1*	4	U064	D	10 (4.54)
Benzofluorene .....	191242		1*	2		D	5000 (2270)
2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3% .....	81812	Warfarin, & salts, when present at concentrations greater than 0.3%.	1*	4	P001	B	100 (45.4)
Benzofuran .....	50328	3,4-Benzopyrene	1*	2,4	U022	X	1 (0.454)
Benzofuranol .....	50328	Benzofuran	1*	2,4	U022	X	1 (0.454)
3,4-Benzopyrene .....	106514	2,5-Cyclohexadiene-1,4-dione	1*	3,4	U197	A	10 (4.54)
p-Benzquinone .....		Quinone					
Benzotrithloride .....	98077	Benzene, (trichloromethyl)-	1*	3,4	U023	A	10 (4.54)
Benzoyl chloride .....	98884		1000	1		C	1000 (454)
1,2-Benzphenanthrene .....	218019	Chrysene	1*	2,4	U050	B	100 (45.4)



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Chemical Name	100	1,3,4	P028	B	100 (45.4)
Benzyl chloride	100447	1*			100 (45.4)
BERYLLIUM AND COMPOUNDS	N.A.	2,3			**
Beryllium Compounds	N.A.	2,3			**
Beryllium chloride	7787475	1		X	1 (0.454)
Beryllium fluoride	7787497	5000		X	1 (0.454)
Beryllium nitrate	13597994	5000		X	1 (0.454)
Beryllium powder††	7787555	1			
alpha-BHC	7440417	1*	P015	A	10 (4.54)
beta-BHC	319846	1*		A	10 (4.54)
delta-BHC	319857	1*		X	1 (0.454)
gamma-BHC	319868	1*		X	1 (0.454)
	58899	1	U129	X	1 (0.454)
Cyclohexane, 1,2,3,4,5,6-hexa chloro- (1α, 2α, 3β, 4α, 5α, 6β)-		1			
Hexachlorocyclohexane (gamma isomer)					
Lindane					
1,2,3,4-Diepoxybutane	1464535	1*	U085	A	10 (4.54)
Benzidine	92875	1*	U021	X	1 (0.454)
3,3'-Dichlorobenzidine	91941	1*	U073	X	1 (0.454)
3,3'-Dimethoxybenzidine	119904	1*	U091	B	100 (45.4)
3,3'-Dimethylbenzidine	119937	1*	U095	A	10 (4.54)
Biphenyl	92524	1*		B	100 (45.4)
Bis (2-chloroethyl) ether	111444	1*	U025	A	10 (4.54)
Ethane, 1,1'-oxybis[2-chloro-					
Dichloromethoxy ethane	111911	1*	U024	C	1000 (45.4)
Ethane, 1,1'-[methylenebis(oxy)]bis(2-chloro-					
Diethylhexyl phthalate	117817	1*	U028	B	100 (45.4)
1,2-Benzenedicarboxylic acid, [bis(2-ethylhexyl)] ester					
2-Propanone, 1-bromo-	598312	1*	P017	C	1000 (45.4)
Methane, trisbromo-	75252	1*	U225	B	100 (45.4)
Benzene, 1-bromo-4-phenoxy-	101553	1*	U030	B	100 (45.4)
Stychnidin-10-one, 2,3-dimethoxy-	357573	1*	P018	B	100 (45.4)
Hexachlorobutadiene	87683	1*	U128	X	1 (0.454)
1,3-Butadiene	106990	1*		A	10 (4.54)
1-Butanamine, N-butyl-N-nitroso-	924163	1*	U172	A	10 (4.54)
1-Butanol	71363	1*	U031	D	5000 (2270)
2-Butanone	78933	1*	U159	D	5000 (2270)
Methyl ethyl ketone					
Methyl ethyl ketone peroxide	1338234	1*	U160	A	10 (4.54)
Thiofanox	39196184	1*	P045	B	100 (45.4)
Crotonaldehyde	123739	100	U053	B	100 (45.4)
1,4-Dichloro-2-butene	4170303	1*	U074	X	1 (0.454)
Lasiocarpine	303344	1*	U143	A	10 (4.54)
sec-Butyl acetate	123864	5000		D	5000 (2270)
iso-Butyl acetate	110190				
sec-Butyl acetate	105464				

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		RCRA waste Number	Cat-egory	Final RQ Pounds (Kg)
			RQ	Code †			
tert-Butyl acetate .....	540885		1*	4	U031	D	5000 (2270)
n-Butyl alcohol .....	71363		1000	1		C	1000 (454)
Butylamine .....	109739						
iso-Butylamine .....	78819						
sec-Butylamine .....	513495						
	13952846						
tert-Butylamine .....	75649		1*	2		B	100 (45.4)
Butyl benzyl phthalate .....	85687	1,2-Benzenedicarboxylic acid, dibutyl ester .....	100	1,2,3,4	U069	A	10 (4.54)
n-Butyl phthalate .....	84742	Dibutyl phthalate					
		Di-n-butyl phthalate					
Butyric acid .....	107926		5000	1		D	5000 (2270)
iso-Butyric acid .....	79312		1*	4	U136	X	1 (0.454)
Cacodylic acid .....	75605	Arsinic acid, dimethyl- .....	1*	2		A	10 (4.54)
Cadmium †† .....	7440439		100	1		A	10 (4.54)
Cadmium acetate .....	543908						
CADMIUM AND COMPOUNDS .....	N.A.	Cadmium Compounds .....	1*	2,3		A	**
Cadmium Compounds .....	N.A.	CADMIUM AND COMPOUNDS .....	100	1		A	10 (4.54)
Cadmium bromide .....	7789426		100	1		A	10 (4.54)
Cadmium chloride .....	10108642		1000	1		X	1 (0.454)
Calcium arsenate .....	7778441		1000	1		X	1 (0.454)
Calcium arsenite .....	52740166		1000	1		X	1 (0.454)
Calcium carbide .....	75207		5000	1		A	10 (4.54)
Calcium chromate .....	13765190	Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt .....	1000	1,4	U032	C	1000 (454)
Calcium cyanamide .....	156627		1*	3		C	1000 (454)
Calcium cyanide .....	592018	Calcium cyanide Ca(CN) <sub>2</sub> .....	10	1,4	P021	A	10 (4.54)
Calcium cyanide Ca(CN) <sub>2</sub> .....	592018	Calcium cyanide .....	10	1,4	P021	A	10 (4.54)
Calcium dodecylbenzenesulfonate .....	26264062		1000	1		C	1000 (454)
Calcium hypochlorite .....	7778543		100	1		A	10 (4.54)
Camphene, octachloro- .....	8001352	Chlorinated camphene .....	1	1,2,3,4	P123	X	1 (0.454)
Capitan .....	133062	Toxaphene	10	1,3		A	10 (4.54)
Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl, methyl ester (Benomyl) .....	17804352		1*	4	U271	A	##
Carbamic acid, 1H-benzimidazol-2-yl, methyl ester (Carbendazim) .....	10605217		1*	4	U372	##	##
Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester (Barban) .....	101279		1*	4	U280	##	##
Carbamic acid, [(dibutylamino)thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzoluranyl ester (Carbosulfan) .....	55285148		1*	4	P189	##	##
Carbamic acid, dimethyl-, 1- [(dimethylamino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester (Dimetilan) .....	644644		1*	4	P191	##	##

Chemical Name	CAS No.	1*	4	3,4	U238	B	100 (45.4)
Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester (Isolan)	119380	1*	4	P192			
Carbamic acid, ethyl ester	51796	1*	3,4	U238	B		100 (45.4)
Carbamic acid, methylurethane		1*	4	U178	X		1 (0.454)
Carbamic acid, [1,2-phenylenebis(minothiothioyl)]bis-, dimethyl ester (Thiophanate-methyl)	615532	1*	4	P190			1 (0.454)
Carbamic acid, phenyl-, 1-methylethyl ester (Propham)	1129415	1*	4	U409			1 (0.454)
Carbamic chloride, dimethyl-	23564058	1*	4	U373	X		1 (0.454)
Carbamothioic acid, 1,2-ethanedithio-, salts & esters	122429	1*	3,4	U097	D		5000 (2270)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester	79447	1*	4	U062	B		100 (45.4)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester (Triallate)	111546	1*	4	U389			
Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester (Prosulfocarb)	2303164	1*	4	U387			
Carbonyl sulfide	52888809	100	1,3	U211	B		100 (45.4)
Carbonyl sulfide	63252	10	1		A		10 (4.54)
Carbonyl sulfide	1563662	5000	1,3,4	P022	B		100 (45.4)
Carbon disulfide	75150	1*	4	U033	C		1000 (45.4)
Carbon dioxide	353504	1*	4	U215	B		100 (45.4)
Carbonic acid, dithallium(1+) salt	6533739	1*	4	U035	A		10 (4.54)
Carbonic chloride	75445	5000	1,3,4	P095	A		100 (45.4)
Carbonic difluoride	353504	1*	4	U033	C		1000 (45.4)
Carbonochloridic acid, methyl ester	79221	1*	4	U156	C		1000 (45.4)
Carbon tetrachloride	56235	5000	1,2,3,4	U211	A		10 (4.54)
Carbonyl sulfide	463581	1*	3		B		100 (45.4)
Catechol	120809	1*	3		B		100 (45.4)
Chloral	75876	1*	4	U034	D		5000 (2270)
Chloramben	133904	1*	3		B		100 (45.4)
Chlorambucil	305033	1*	4	U035	A		10 (4.54)
Chlordane	57749	1	1,2,3,4	U036	X		1 (0.454)
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)	N.A.	1*	2				**
Chlordane, alpha & gamma isomers	57749	1	1,2,3,4	U036	X		1 (0.454)
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)	57749	1	1,2,3,4	U036	X		1 (0.454)
Chlorinated benzenes	N.A.	1*	2				**
Chlorinated camphene	8001352	1	1,2,3,4	P123	X		1 (0.454)

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

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

Chlorpyrifos .....	2921882	.....	1	1	X	1 (0.454)
Chromic acetate .....	1066304	.....	1000	1	C	1000 (454)
Chromic acid .....	11115745	.....	1000	1	A	10 (4.54)
Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt .....	7738945	.....	1000	1,4	A	10 (4.54)
Chromic sulfate .....	13765190	.....	1000	1	C	1000 (454)
Chromium†† .....	10101538	.....	1*	2	D	5000 (2270)
CHROMIUM AND COMPOUNDS .....	7440473	.....	1*	2,3		**
Chromium Compounds .....	N.A.	.....	1*	2,3		**
Chromium chloride .....	10049055	.....	1000	1	C	1000 (454)
Chrysene .....	218019	.....	1	2,4	B	100 (45.4)
Cobalt compounds .....	N.A.	.....	1*	3		**
Cobaltous bromide .....	7789437	.....	1000	1	C	1000 (454)
Cobaltous formate .....	544183	.....	1000	1	C	1000 (454)
Cobaltous sulfamate .....	14017415	.....	1000	1	C	1000 (454)
Coke Oven Emissions .....	N.A.	.....	1*	3	X	1 (0.454)
Copper†† .....	7440508	.....	1*	2	D	5000 (2270)
COPPER AND COMPOUNDS .....	N.A.	.....	1*	2		**
Copper cyanide .....	544923	.....	1*	4	A	10 (4.54)
Copper cyanide CuCN .....	544923	.....	1*	4	A	10 (4.54)
Copper cyanide .....	54724	.....	10	1	A	10 (4.54)
Coumaphos .....	8001589	.....	1*	4	X	1 (0.454)
Creosote .....	1319773	.....	1000	1,3,4	B	100 (45.4)
Cresols (isomers and mixture) .....	108394	.....	1*	3	B	100 (45.4)
m-Cresol .....	95487	.....	1*	3	B	100 (45.4)
o-Cresol .....	106445	.....	1*	3	B	100 (45.4)
p-Cresol .....	1319773	.....	1000	1,3,4	B	100 (45.4)
Cresylic acid (isomers and mixture) .....	108394	.....	1*	3	B	100 (45.4)
m-Cresylic acid .....	95487	.....	1*	3	B	100 (45.4)
o-Cresylic acid .....	106445	.....	1*	3	B	100 (45.4)
p-Cresylic acid .....	123739	.....	100	1,4	B	100 (45.4)
Crotonaldehyde .....	4170303	.....	100	1,4	B	100 (45.4)
Cumene .....	98628	.....	1*	3,4	D	5000 (2270)
Cupric acetate .....	142712	.....	100	1	B	100 (45.4)
Cupric acetoarsenite .....	12002038	.....	100	1	X	1 (0.454)
Cupric chloride .....	7447394	.....	10	1	A	10 (4.54)
Cupric nitrate .....	3251238	.....	100	1	B	100 (45.4)
Cupric oxalate .....	5893663	.....	100	1	B	100 (45.4)
Cupric sulfate .....	7758987	.....	10	1	A	10 (4.54)
Cupric sulfate, ammoniated .....	10380297	.....	100	1	B	100 (45.4)
Cupric tartrate .....	815827	.....	100	1	B	100 (45.4)
Cyanide Compounds .....	N.A.	.....	1*	2,3		**
CYANIDES .....	N.A.	.....	1*	2,3		**
Cyanides (soluble salts and complexes) not otherwise specified .....	57125	.....	1*	4	A	10 (4.54)
Cyanogen .....	460195	.....	1*	4	B	100 (45.4)
Cyanogen bromide .....	506683	.....	1*	4	C	1000 (454)
Cyanogen bromide (CN)Br .....	506683	.....	1*	4	C	1000 (454)
Cyanogen bromide (CN)Br .....	506774	.....	10	1,4	A	10 (4.54)
Cyanogen chloride .....	506774	.....	10	1,4	A	10 (4.54)

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

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

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

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ		
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
1,4-Dichloro-2-butene	764410	2-Butene, 1,4-dichloro-	1*	4	U074	X	1 (0.454)
Dichlorodifluoromethane	75718	Methane, dichlorodifluoro-	1*	4	U075	D	5000 (2270)
1,1-Dichloroethane	75343	Ethane, 1,1-dichloro-	1*	2,3,4	U076	C	1000 (454)
		Ethylidene dichloride					
1,2-Dichloroethane	107062	Ethane, 1,2-dichloro-	5000	1,2,3,4	U077	B	100 (45.4)
		Ethylene dichloride					
1,1-Dichloroethylene	75354	Ethene, 1,1-dichloro-	5000	1,2,3,4	U078	B	100 (45.4)
		Vinylidene chloride					
1,2-Dichloroethylene	156605	Ethene, 1,2-dichloro- (E)	1*	2,4	U079	C	1000 (454)
Dichloroethyl ether	111444	Bis(2-chloroethyl) ether	1*	2,3,4	U025	A	10 (4.54)
		Ethane, 1,1'-oxybis[2-chloro-					
Dichloroisopropyl ether	108601	Propane, 2,2'-oxybis[2-chloro-	1*	2,4	U027	C	1000 (454)
Dichloromethane	75092	Methane, dichloro-	1*	2,3,4	U080	C	1000 (454)
		Methylene chloride					
Dichloromethoxy ethane	111911	Bis(2-chloroethoxy) methane	1*	2,4	U024	C	1000 (454)
Dichloromethyl ether	542881	Ethane, 1,1'-[methylenebis(oxy)]bis(2-chloro-	1*	3,4	P016	A	10 (4.54)
		Methane, oxybis(chloro-					
2,4-Dichlorophenol	120832	Phenol, 2,4-dichloro-	1*	2,4	U081	B	100 (45.4)
2,6-Dichlorophenol	87650	Phenol, 2,6-dichloro-	1*	4	U082	B	100(45.4)
Dichlorophenylarsine	696286	Arsonous dichloride, phenyl-	1*	4	P036	X	1 (0.454)
Dichloropropane	26638197		5000	1		C	1000 (454)
1,1-Dichloropropane	78999						
1,3-Dichloropropane	142289						
1,2-Dichloropropane	78875	Propane, 1,2-dichloro-	5000	1,2,3,4,	U083	C	1000 (454)
		Propylene dichloride					
Dichloropropane—Dichloropropene (mixture)	8003198		50	00	1	B	100 (45.4)
Dichloropropene	26952238		5000	1		B	100 (45.4)
2,3-Dichloropropene	78886						
1,3-Dichloropropene	542756	1-Propene, 1,3-dichloro-	5000	1,2,3,4	U084	B	100 (45.4)
2,2-Dichloropropionic acid	75990		5000	1		D	5000 (2270)
Dichlorvos	62737		10	1,3		A	10 (4.54)
Dicofol	115322		5000	1		A	10 (4.54)
Dieldrin	60571	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-	1	1,2,4	P037	X	1 (0.454)
		(1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta, 7aalpha)-					
1,2:3,4-Diepoxybutane	1464535	2,2'-Bioxirane	1*	4	U085	A	10 (4.54)
Diethanolamine	111422		1*	3		B	100 (45.4)
Diethylamine	109897		1000	1		B	100 (454.4)



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N,N-Diethylaniline	91667	.....	1*	3		C	1000 (454)
Diethylarsine	692422	Arsine, diethyl-	1*	4	P038	X	1 (0,454)
1,4-Diethylenedioxiide	123911	1,4-Dioxane	1*	3,4	U108	B	100 (45,4)
1,4-Diethyleneoxide	123911	1,4-Diethyleneoxide	1*	3,4	U108	B	100 (45,4)
Diethylhexyl phthalate	117817	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester.	1*	2,3,4	U028	B	100 (45,4)
N,N'-Diethylhydrazine	1615801	Bis(2-ethylhexyl)phthalate DEHP	1*	4	U086	A	10 (4,54)
O,O-Diethyl S-methyl dithiophosphate	3288582	Hydrazine, 1,2-diethyl-	1*	4	U087	D	5000 (2270)
Diethyl-p-nitrophenyl phosphate	311455	Phosphorothioic acid, O,O-diethyl S-methyl ester.	1*	4	P041	B	100 (45,4)
Diethyl phthalate	84662	1,2-Benzenedicarboxylic acid, diethyl ester	1*	2,4	U088	C	1000 (454)
O,O-Diethyl O-pyrazinyl phosphorothioate	297972	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester.	1*	4	P040	B	100 (45,4)
Diethylstilbestrol	56531	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)	1*	4	U089	X	1 (0,454)
Diethyl sulfate	64675	1,3-Benzodioxole, 5-propyl-	1*	3	U090	A	10 (4,54)
Dihydrosofrole	94586	Phosphorofluoridic acid, bis(1-methyl)ethyl ester.	1*	4	P043	B	100 (45,4)
Diisopropylfluorophosphate	55914	Aldrin	1	1,2,4	P004	X	1 (0,454)
1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)-	465736	Isodrin	1*	4	P060	X	1 (0,454)
1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5beta,8beta,8abeta)-	60571	Dieldrin	1	1,2,4	P037	X	1 (0,454)
1a,2,2a,3,6,6a,7,7a-octahydro-, (1alpha,2beta,2alpha,3beta,6beta,6alpha,7beta,7alpha)-	72208	Endrin	1	1,2,4	P051	X	1 (0,454)
3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7b-octa-hydro-, (1alpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7alpha)-	60515	Phosphorothioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester.	1*	4	P044	A	10 (4,54)
3,3'-Dimethoxybenzidine	119904	[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy-	1*	3,4	U091	B	100 (45,4)
Dimethylamine	124403	Methanamine, N-methyl-	1000	1,4	U092	C	1000 (454)
Dimethyl aminoazobenzene	60117	Benzenamine, N,N-dimethyl-4-(phenylazo)-	1*	3,4	U093	A	10 (4,54)
p-Dimethylaminoazobenzene	60117	P-Dimethylaminoazobenzene	1*	3,4	U093	A	10 (4,54)
N,N-Dimethylaniline	121697	Dimethyl aminoazobenzene	1*	3,4	U093	A	10 (4,54)
7,12-Dimethylbenz[anthracene]	57976	Benz[anthracene, 7,12-dimethyl-	1*	3	U094	B	100 (45,4)
3,3'-Dimethylbenzidine	119937	[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethyl-	1*	3,4	U095	A	1 (0,454)
alpha, alpha-Dimethylbenzylhydroperoxide	80159	Hydroperoxide, 1-methyl-1-phenylethyl-	1*	4	U096	A	10 (4,54)
Dimethylcarbonyl chloride	79447	Carbamic chloride, dimethyl-	1*	3,4	U097	X	1 (0,454)
Dimethylformamide	68122	Hydrazine, 1,1-dimethyl-	1*	3	U098	B	100 (45,4)
1,1-Dimethylhydrazine	57147	Hydrazine, 1,2-dimethyl-	1*	3,4	U099	A	10 (4,54)
1,2-Dimethylhydrazine	540738	Benzenethanamine, alpha, alpha-dimethyl-	1*	4	U099	X	1 (0,454)
alpha, alpha-Dimethylphenethylamine	122098	Phenol, 2,4-dimethyl-	1*	4	P046	D	5000 (2270)
2,4-Dimethylphenol	105679		1*	2,4	U101	B	100 (45,4)

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Dimethyl phthalate .....	131113	1,2-Benzenedicarboxylic acid, dimethyl ester .....	1*	2,3,4	U102	D	5000 (2270)
Dimethyl sulfate .....	77781	Sulfuric acid, dimethyl ester .....	1*	3,4	U103	B	100 (45.4)
Dinitrobenzene (mixed) .....	25154545	.....	1000	1		B	100 (45.4)
m-Dinitrobenzene .....	99650	.....					
o-Dinitrobenzene .....	528290	.....					
p-Dinitrobenzene .....	100294	.....					
4,6-Dinitro-o-cresol, and salts .....	534521	Phenol, 2-methyl-4,6-dinitro-, & salts .....	1*	2,3,4	P047	A	10 (4.54)
Dinitrophenol .....	25550587	.....	1000	1		A	10 (4.54)
2,5-Dinitrophenol .....	329715	.....					
2,6-Dinitrophenol .....	573568	.....					
2,4-Dinitrophenol .....	51285	Phenol, 2,4-dinitro- .....	1000	1,2,3,4,	P048	A	10 (4.54)
Dinitrotoluene .....	25321146	.....	1000	1,2		A	10 (4.54)
3,4-Dinitrotoluene .....	610399	.....					
2,4-Dinitrotoluene .....	121142	Benzene, 1-methyl-2,4-dinitro- .....	1000	1,2,3,4	U105	A	10 (4.54)
2,6-Dinitrotoluene .....	606202	Benzene, 2-methyl-1,3-dinitro- .....	1000	1,2,4	U106	B	100 (45.4)
Dinoseb .....	88857	Phenol, 2-(1-methylpropyl)-4,6-dinitro .....	1*	4	P020	C	1000 (454)
Di-n-octyl phthalate .....	117840	1,2-Benzenedicarboxylic acid, dioctyl ester .....	1*	2,4	U107	D	5000 (2270)
1,4-Dioxane .....	123911	1,4-Diethylenedioxi- 1,4-Diethylenedioxi- Hydrazine, 1,2-diphenyl- .....	1*	3,4	U108	B	100 (45.4)
DIPHENYLHYDRAZINE .....	N.A.	.....	1*	2		**	
1,2-Diphenyl- hydrazine .....	122667	.....	1*	2,3,4	U109	A	10(4.54)
Diphosphoramide, octamethyl- Diphosphoric acid, tetraethyl ester .....	152169	Octamethylpyrophosphoramide .....	1*	4	P085	B	100 (45.4)
Dipropylamine .....	107493	Tetraethyl pyrophosphate .....	100	1,4	P111	A	10 (4.54)
Di-n-propylnitrosamine .....	142847	1-Propanamine, N-propyl- .....	1*	4	U110	D	5000 (2270)
Diquat .....	621647	1-Propanamine, N-nitroso-N-propyl- .....	1*	2,4	U111	A	10 (4.54)
.....	85007	.....	1000	1		C	1000 (454)
.....	2764729	.....					
Disulfoton .....	298044	Phosphorodithioic acid, o,o-diethyl S-[2- (ethylthio)ethyl]ester. .....	1	1,4	P039	X	1 (0.454)
Dithioburet .....	541537	Thiomidocarbonic diamide [(HG2KN) C(S)2NH .....	1*	4	P049	B	100 (45.4)
1,3-Dithiolane-2-carboxaldehyde, [(methylamino)carbonyl]oxime (Tirpate), 2,4-dimethyl-, O- .....	26419738	.....	1*	4	P185	##	##
Diuron .....	330541	.....	100	1		B	100 (45.4)
Dodecylbenzenesulfonic acid .....	27176870	.....	1000	1		C	1000 (454)
Endosulfan .....	115297	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a- hexahydro-, 3-oxide. .....	1	1,2,4	P050	X	1 (0.454)

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alpha - Endosulfan	959988	.....	1*	2	X	1 (0.454)
beta - Endosulfan	33213659	.....	1*	2	X	1 (0.454)
ENDOSULFAN AND METABOLITES	N.A.	.....	1*	2	X	1 (0.454)
Endosulfan sulfate	1031078	.....	1*	2	X	1000 (454)
Endothall	145733	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	1*	4	C	1000 (454)
Endrin	72208	Endrin, & metabolites	1	1,2,4	X	1 (0.454)
		2,7:3,6-Dimethanonaphth[2,3-b]poxirene, 3,4:5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octa-hydro-, (1aalpha, 2beta,2beta,3alpha,6alpha,6alpha,7beta,7beta,7aalpha)-	1*	2	X	1 (0.454)
Endrin aldehyde	7421934	.....	1*	2	X	1 (0.454)
ENDRIN AND METABOLITES	N.A.	.....	1*	2	X	1 (0.454)
Endrin, & metabolites	72208	Endrin	1	1,2,4	X	1 (0.454)
Epichlorohydrin	106898	2,7:3,6-Dimethanonaphth[2,3-b]poxirene, 3,4:5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octa-hydro-, (1aalpha, 2beta,2beta,3alpha,6alpha,6alpha,7beta,7beta,7aalpha)-	1000	1,3,4	B	100(45.4)
Epinephrine	51434	1-Chloro-2,3-epoxypropane Oxirane, (chloromethyl)-	1*	4	C	1000 (454)
		1,2-Benzenediol,4-[1-hydroxy-2-(methylamino)ethyl]-	1*	3	B	100 (45.4)
1,2-Epoxybutane	106887	.....	1000	1,3,4	C	1000(454)
Ethanal	75070	Acetaldehyde	1*	3	B	100 (45.4)
Ethanimine, N-ethyl-N-nitroso-	55185	N-Nitrosodiethylamine	1*	4	X	1 (0.454)
1,2-Ethanediamine, N,N-dimethyl-N-(2-thienylmethyl)-	91805	Methapyrene	1*	4	D	5000 (2270)
Ethane, 1,2-dibromo	106934	Dibromoethane	1000	1,3,4	X	1(0.454)
Ethane, 1,1-dichloro	75343	Ethylene dibromide	1*	2,3,4	C	1000(454)
Ethane, 1,2-dichloro	107062	1,1-Dichloroethane	5000	1,2,3,4	B	100(45.4)
		Ethylidene dichloride	1*	4	B	100 (45.4)
Ethanedinitrile	460195	Cyanogen	1*	2,3,4	B	100(45.4)
Ethane, hexachloro-	67721	Hexachloroethane	1*	2,3,4	B	100(45.4)
Ethane, 1,1'-(methylenebis(oxy))bis(2-chloro-	111911	Bis(2-chloroethoxy) methane	1*	2,4	C	1000 (454)
Ethane, 1,1'-oxybis-	60297	Dichloromethoxy ethane	1*	4	B	100 (45.4)
Ethane, 1,1'-oxybis[2-chloro-	111444	Bis(2-chloroethyl) ether	1*	2,3,4	A	10(4.54)
Ethane, pentachloro-	76017	Dichloroethyl ether	1*	4	A	10 (4.54)
Ethane, 1,1,1,2-tetrachloro-	630206	Pentachloroethane	1*	4	B	100 (45.4)
Ethane, 1,1,2,2-tetrachloro-	79345	1,1,1,2-Tetrachloroethane	1*	2,3,4	B	100(45.4)
		1,1,2,2-Tetra-chloroethane	1*	2,3,4	B	100(45.4)
Ethanethioamide	62555	Thioacetamide	1*	4	A	10 (4.54)
Ethane, 1,1,1-trichloro-	71556	Methyl chloroform	1*	2,3,4	C	1000(454)
Ethane, 1,1,2-trichloro-	79005	1,1,1-Trichloroethane	1*	2,3,4	B	100(45.4)
		1,1,2-Trichloroethane	1*	2,3,4	B	100(45.4)

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ	
			RQ	Code †	RCRA waste Number	Category
Ethanimidithioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester (AZ213).	30558431	.....	1*	4	U394	##
Ethanimidithioic acid, 2-(dimethylamino)-N-[[[methylamino]carbonyloxy]-2-oxo-, methyl ester (Oxamyl).	23135220	.....	1*	4	P194	##
Ethanimidithioic acid, N-[[[methyl- amino]carbonyloxy]-, methyl ester	16752775	Methylol .....	1*	4	P066	100 (45.4)
Ethanimidithioic acid, N,N'- [thio]bis[[methylamino]carbonyloxy]bis- ,dimethyl ester (Thiodicarb).	59669260	.....	1*	4	U410	##
Ethanol, 2-ethoxy- .....	110805	Ethylene glycol monoethyl ether .....	1*	4	U359	1000 (454)
Ethanol, 2,2-(nitrosoimino)bis- .....	1116547	N-Nitrosodiethanolamine .....	1*	4	U173	1 (0.454)
Ethanol, 2,2'-oxybis-, dicarbamate (Diethylene glycol, dicarbamate)	5952261	.....	1*	4	U395	##
Ethanone, 1-phenyl- .....	98862	Acetophenone .....	1*	3,4	U004	5000(2270)
Ethane, chloro- .....	75014	Vinyl chloride .....	1*	3,4	U043	1 (0.454)
Ethene, 2-chloroethoxy- .....	110758	2-Chloroethyl vinyl ether .....	1*	2,4	U042	1000 (454)
Ethene, 1,1-dichloro- .....	75354	1,1-Dichloroethylene .....	5000	1,2,3,4	U078	100(45.4)
Ethene, 1,2-dichloro- (E) .....	156605	Vinylidene chloride .....	1*	2,4	U079	1000 (454)
Ethene, tetrachloro- .....	127184	1,2-Dichloroethylene .....	1*	2,3,4	U210	100(45.4)
Ethene, trichloro- .....	79016	Tetrachloroethylene .....	1000	1,2,3,4	U228	100(45.4)
Ethion .....	563122	Trichloroethene .....	10	1		10 (4.54)
Ethyl acetate .....	141786	Trichloroethylene .....	1*	4	U112	5000 (2270)
Ethyl acrylate .....	140885	Acetic acid, ethyl ester .....	1*	3,4	U113	1000(454)
Ethylbenzene .....	100414	2-Propenoic acid, ethyl ester .....	1000	1,2,3	U238	1000(454)
Ethyl carbamate .....	51796	Carbamic acid, ethyl ester .....	1*	3,4		100(45.4)
Ethyl chloride .....	75003	Urethane .....	1*	2,3	P101	100(45.4)
Ethyl cyanide .....	107120	Chloroethane .....	1*	4	U114	10 (4.54)
Ethylenebis(dithiocarbamic acid, salts & esters)	111546	Propanenitrile .....	1*	4		5000 (2270)
Ethylenediamine .....	107153	Carbamodithioic acid, 1,2-ethanediylobis, salts & esters.	1000	1		5000 (2270)
Ethylenediamine-tetraacetic acid (EDTA) .....	60004	1,2-Dichloroethane .....	5000	1	U067	5000 (2270)
Ethylene dibromide .....	106934	Ethane, 1,2-dibromo- .....	1000	1,3,4		1(0.454)
Ethylene dichloride .....	107062	1,2-Dichloroethane .....	5000	1,2,3,4	U077	100(45.4)
Ethylene glycol .....	107211	Ethane, 1,2-dichloro- .....	1*	3		5000 (2270)
Ethylene glycol monoethyl ether .....	110805	Ethanol, 2-ethoxy- .....	1*	4	U359	1000 (454)
Ethylenimine .....	151564	Aziridine .....	1*	3,4	P054	1(0.454)
Ethylene oxide .....	75218	Oxirane .....	1*	3,4	U115	10(4.54)

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

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ		
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Hexachlorobenzene	118741	Benzene, hexachloro-	1*	2,3,4	U127	A	10 (4.54)
Hexachlorobutadiene	87683	1,3-Butadiene 1,1,2,3,4,4-hexachloro-	1*	2,3,4	U128	X	1 (0.454)
HEXACHLOROXYCLOHEXANE (all isomers)	608731	γ-BHC	1*	2			**
Hexachlorocyclohexane (gamma isomer)	58899	Cyclohexane, 1,2,3,4,5,6- hexachloro- (1α,2α,3β,4α,5α,6β)-	1	1,2,3,4	U129	X	1 (0.454)
Hexachlorocyclopentadiene	77474	Lindane (all isomers)	1	1,2,3,4	U130	A	10 (4.54)
Hexachloroethane	67721	1,3-Cyclopentadiene, 1,2,3,4,5-hexachloro-	1*	2,3,4	U131	B	100 (45.4)
Hexachlorophene	70304	Ethane, hexachloro-	1*	4	U132	B	100 (45.4)
Hexachloropropene	1888717	Phenol, 2,2'-methylenebis[3,4,6-trichloro-1-Propene, 1,1,2,3,3,3-hexachloro-	1*	4	U243	C	1000 (454)
Hexaethyl tetraphosphate	757584	Tetraphosphoric acid, hexaethyl ester	1*	4	P062	B	100 (45.4)
Hexamethylene-1,6-diisocyanate	822060		1*	3		B	100 (45.4)
Hexamethylphosphoramide	680319		1*	3		X	1 (0.454)
Hexane	110543		1*	3		D	5000 (2270)
Hexone	108101	Methyl isobutyl ketone	1*	3,4	U161	D	5000 (2270)
Hydrazine	302012	4-Methyl-2-pentanone	1*	3,4	U133	X	1 (0.454)
Hydrazine, 1,2-diethyl-	1615801	N,N-Diethylhydrazine	1*	4	U088	A	10 (4.54)
Hydrazine, 1,1-dimethyl-	57147	1,1-Dimethylhydrazine	1*	3,4	U098	A	10 (4.54)
Hydrazine, 1,2-dimethyl-	540738	1,2-Dimethylhydrazine	1*	4	U099	X	1 (0.454)
Hydrazine, 1,2-diphenyl-	122667	1,2-Diphenylhydrazine	1*	2,3,4	U109	A	10 (4.54)
Hydrazine, methyl-	60344	Methyl hydrazine	1*	3,4	P068	A	10 (4.54)
Hydrazinecarbohydrazide	79196	Thiosemicarbazide	1*	4	P116	B	100 (45.4)
Hydrochloric acid	7647010	Hydrogen chloride	5000	1,3		D	5000 (2270)
Hydrocyanic acid	74908	Hydrogen cyanide	10	1,4	P063	A	10 (4.54)
Hydrofluoric acid	7664393	Hydrogen fluoride	5000	1,3,4	U134	B	100 (45.4)
Hydrogen chloride	7647010	Hydrochloric acid	5000	1,3		D	5000 (2270)
Hydrogen cyanide	74908	Hydrocyanic acid	10	1,4	P063	A	10 (4.54)
Hydrogen fluoride	7664393	Hydrofluoric acid	5000	1,3,4	U134	B	100 (45.4)
Hydrogen phosphide	7803512	Phosphine	1*	3,4	P096	B	100 (45.4)
Hydrogen sulfide	7783064	Hydrogen sulfide H <sub>2</sub> S	100	1,4	U135	B	100 (45.4)
Hydrogen sulfide H <sub>2</sub> S	7783064	Hydrogen sulfide	100	1,4	U135	B	100 (45.4)
Hydroperoxide, 1-methyl-1-phenylethyl-	80159	alpha, alpha-Dimethylbenzylhydroperoxide	1*	4	U096	B	10 (4.54)
Hydroquinone	123319		1*	3		A	100 (45.4)
2-Imidazolidinethione	96457	Ethylenethiourea	1*	3,4	U116	A	10 (4.54)
Indeno(1,2,3-c)pyrene	193395	1,10-(1,2-Phenylene)pyrene	1*	2,4	U137	B	100 (45.4)
Iodomethane	74884	Methane, iodo-	1*	3,4	U138	B	100 (45.4)
1,3-Isobenzofurandione	85449	Phthalic anhydride	1*	3,4	U190	D	5000 (2270)

isobutyl alcohol	78831	1-Propanol, 2-methyl-	1*	4	U140	D	5000 (2270)
isodrin	465736	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5beta,8beta,8abeta)-	1*	4	P060	X	1 (0.454)
isophorone	78591	.....	1*	2,3		D	5000 (2270)
isoprene	78795	.....	1000	1		B	100 (45.4)
isopropanolamine dodecylbenzenesulfonate	42504461	.....	1000	1		C	1000 (454)
isosalifrole	120581	1,3-Benzodioxole, 5-(1-propenyl)-	1*	4	U141	B	100 (45.4)
3(2H)-Isoxazolone, 5-(aminomethyl)-	2763964	Muscimol	1*	4	P007	C	1000 (454)
Kepone	143500	5-(Aminomethyl)-3-isoxazololone, 1,3,4-Metheno-2H-cyclobutal[c]pentalen-2-, 1,1a,3,3a,4,5,5a,5b,6,6-decachlorocyclo-	1	1,4	U142	X	1 (0.454)
Lasiocarpine	303344	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-[1(alpha)(Z),7(2S*,3R*)7aalpha]]-	1*	4	U143	A	10 (4.54)
Lead††	7439921	.....	1*	2		A	10 (4.54)
Lead acetate	301042	Acetic acid, lead(2+) salt	5000	1,4	U144	A	10 (4.54)
LEAD AND COMPOUNDS	N.A.	Lead Compounds	1*	2,3		A	**
Lead Compounds	N.A.	LEAD AND COMPOUNDS	1*	2,3		X	**
Lead arsenate	7784409	.....	5000	1			1 (0.454)
Lead, bis(acetato-O)tetrahydroxytri-	10102484	Lead subacetate	1*	4	U146	A	10 (4.54)
Lead chloride	1335326	.....	5000	1		A	10 (4.54)
Lead fluoroborate	7758954	.....	5000	1		A	10 (4.54)
Lead fluoride	13814965	.....	5000	1		A	10 (4.54)
Lead iodide	7783462	.....	1000	1		A	10 (4.54)
Lead iodide	10101630	.....	5000	1		A	10 (4.54)
Lead nitrate	10099748	.....	5000	1		A	10 (4.54)
Lead phosphate	7446277	Phosphoric acid, lead(2+) salt (2:3)	1*	4	U145	A	10 (4.54)
Lead stearate	7428480	.....	5000	1		A	10 (4.54)
Lead subacetate	52652592	.....	1*	4	U146	A	10 (4.54)
Lead sulfate	56189094	Lead, bis(acetato-O)tetrahydroxytri-	5000	1		A	10 (4.54)
Lead sulfide	1335326	.....	5000	1		A	10 (4.54)
Lead thiocyanate	7446142	.....	5000	1		A	10 (4.54)
Lindane	15739807	γ-BHC	1	1,2,3,4	U129	X	1 (0.454)
	1314870	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1α,2α,3β,4α,5α,6β)-	5000	1		A	10 (4.54)
	592870	Hexachlorocyclohexane (gamma isomer)	5000	1		A	10 (4.54)
	58899	Lindane (all isomers)	1	1,2,3,4		X	1 (0.454)

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ		
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Lindane (all isomers)	58899	γ-BHC Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1α,2α,3β,4α,5α,6β)-, Hexachlorocyclohexane (gamma isomer) Lindane	1	1,2,3,4	U129	X	1 (0.454)
Lithium chromate	14307358		1000	1		A	10 (4.54)
Malathion	121755		10	1		B	100 (45.4)
Maleic acid	110167		5000	1		D	5000 (2270)
Maleic anhydride	108316		5000	1,3,4	U147	D	5000 (2270)
Maleic hydrazide	123331		1*	4	U148	D	5000 (2270)
Malononitrile	109773		1*	4	U149	C	1000 (454)
Manganese, bis(dimethylcarbamodithioato-S,S)-(Manganese dimethylthiocarbamate)	15339363		1*	4	P196		##
Manganese Compounds	N.A.		1*	3			**
MDI	101688	Methylene diphenyl diisocyanate	1*	3		D	5000 (2270)
Meiphtalan	148623	L-Phenylalanine, 4-[bis(2-chloroethyl) amino]	1*	4	U150	X	1 (0.454)
MEK	78933	2-Butanone Methyl ethyl ketone	1*	3,4	U159	D	5000 (2270)
Mercaptodimethur	2032657		100	1		A	10 (4.54)
Mercuric cyanide	592041		1	1		X	1 (0.454)
Mercuric nitrate	10045940		10	1		A	10 (4.54)
Mercuric sulfate	7783359		10	1		A	10 (4.54)
Mercuric thiocyanate	592858		10	1		A	10 (4.54)
Mercurous nitrate	10415755		10	1		A	10 (4.54)
	7782867		10	1		A	10 (4.54)
Mercury	7439976		1*	2,3,4	U151	X	1 (0.454)
MERCURY AND COMPOUNDS	N.A.	Mercury Compounds	1*	2,3			**
Mercury Compounds	N.A.	MERCURY AND COMPOUNDS	1*	2,3			**
Mercury, (acetate-O)phenyl-	62384	Phenylmercury acetate	1*	4	P092	B	100 (45.4)
Mercury fulminate	628864	Fulminic acid, mercury(2+)-salt	1*	4	P065	A	10 (4.54)
Methacrylonitrile	126987	2-Propenenitrile, 2-methyl-	1*	4	U152	C	1000 (454)
Methanamine, N-methyl-	124403	Dimethylamine	1000	1,4	U092	C	1000 (454)
Methanamine, N-methyl-N-nitroso-	62759	N-Nitrosodimethylamine	1*	2,3,4	P082	A	10 (4.54)
Methane, bromo-	74839	Bromomethane	1*	2,3,4	U029	C	1000 (454)
Methane, chloro-	74873	Methyl bromide Chloromethane	1*	2,3,4	U045	B	100 (45.4)
Methane, chloromethoxy-	107302	Methyl chloride Chloromethyl methyl ether	1*	3,4	U046	A	10 (4.54)
Methane, dibromo-	74953	Methylene bromide	1*	4	U068	C	1000 (454)



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Methane, dichloro- .....	75092	Methylene chloride .....	1*	2,3,4	U080	C	1000 (454)
Methane, dichlorodifluoro- .....	75718	Dichloromethane .....	1*	4	U075	D	5000 (2270)
Methane, iodo- .....	74884	Dichlorodifluoromethane .....	1*	3,4	U138	B	100 (45.4)
Methane, isocyanato- .....	624839	Iodomethane .....	1*	3,4	P064	A	10 (4.54)
Methane, oxybis(chloro)- .....	542881	Methyl iodide .....	1*	3,4	P016	A	10 (4.54)
Methanesulfonyl chloride, trichloro- .....	594423	Bis(chloromethyl)ether .....	1*	4	P118	B	100 (45.4)
Methanesulfonic acid, ethyl ester .....	62500	Trichloromethanesulfonyl chloride .....	1*	4	U119	X	1 (0.454)
Methane, tetrachloro- .....	56235	Ethyl methanesulfonate .....	5000	1,2,3,4	U211	A	10 (4.54)
Methane, tetranitro- .....	509148	Carbon tetrachloride .....	1*	4	P112	A	10 (4.54)
Methane, tribromo- .....	75252	Tetra-nitromethane .....	1*	2,3,4	U225	B	100 (45.4)
Methane, trichloro- .....	67663	Bromoform .....	5000	1,2,3,4	U044	A	10 (4.54)
Methane, trichlorofluoro- .....	75694	Chloroform .....	1*	4	U121	D	5000 (2270)
Methanethiol .....	74931	Trichloromonofluoromethane .....	100	1,4	U153	B	100 (45.4)
Methanimidamide, N,N-dimethyl-N'-[3- [[[methylamino]carbonyloxy]phenyl]-, (Formetanate hydrochloride). .....	23422539	Methylmercaptan .....	1*	4	P198		##
Methanimidamide, N,N-dimethyl-N'-[2-methyl-4- [[[methylamino]carbonyloxy]phenyl]- (Formparanate), 6,7,8,9,10,10-hexachloro- 1,5,5a,6,9,9a-hexahydro-, 3-oxide 1,3,4-Metheno-2H-cyclobutal[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6,6- decalochlorohydro- 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro- 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a- hexahydro- .....	17702577	Thiomethanol .....	1*	4	P197		##
Methanimidamide, N,N-dimethyl-N'-[2-methyl-4- [[[methylamino]carbonyloxy]phenyl]- (Formparanate), 6,7,8,9,10,10-hexachloro- 1,5,5a,6,9,9a-hexahydro-, 3-oxide 1,3,4-Metheno-2H-cyclobutal[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6,6- decalochlorohydro- 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro- 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a- hexahydro- .....	115297	Endosulfan .....	1	1,2,4	P050	X	1 (0.454)
Methanimidamide, N,N-dimethyl-N'-[2-methyl-4- [[[methylamino]carbonyloxy]phenyl]- (Formparanate), 6,7,8,9,10,10-hexachloro- 1,5,5a,6,9,9a-hexahydro-, 3-oxide 1,3,4-Metheno-2H-cyclobutal[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6,6- decalochlorohydro- 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro- 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a- hexahydro- .....	143500	Kepone .....	1	1,4	U142	X	1 (0.454)
Methanol .....	67561	Heptachlor .....	1*	1,2,3,4	P059	X	1 (0.454)
Methapyrillene .....	91805	Chlordane .....	1	1,2,3,4	U036	X	1 (0.454)
Methomyl .....	16752775	Chlordane, alpha & gamma isomers CHLORDANE (TECHNICAL MIXTURE AND METABOLITES) Methyl alcohol .....	1*	3,4	U154	D	5000 (2270)
Methoxychlor .....	72435	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl- N'-(2-thienylmethyl)- Ethanimidothioic acid, N-[[[methyl- amino]carbonyloxy]-, methyl ester. Benzene, 1,1'-(2,2,2-trichloroethyl- idene)bis[4- methoxy- Methanol .....	1*	4	U155	D	5000 (2270)
Methyl alcohol .....	67561	Methanol .....	1*	3,4	U154	D	5000 (2270)
2-Methyl aziridine .....	75558	Aziridine, 2-methyl- .....	1*	3,4	P067	X	1 (0.454)
Methyl bromide .....	74839	1,2-Propylenimine Bromomethane .....	1*	2,3,4	U029	C	1000 (45.4)
1-Methylbutadiene .....	504609	Methane, bromo- 1,3-Pentadiene .....	1*	4	U186	B	100 (45.4)
Methyl chloride .....	74873	Chloromethane .....	1*	2,3,4	U045	B	100 (45.4)
Methyl chlorocarbonate .....	79221	Methane, chloro- Carbonochloridic acid, methyl ester Methyl chloroformate .....	1*	4	U156	C	1000 (45.4)

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

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

Monomethylamine	74895		100	1					100 (45.4)
Multi Source Leachate			1*	4	F039				1 (0.454)
Muscimol	2763964	3(2H)-isoxazolone, 5-(aminomethyl)-	1*	4	P007				1000 (454)
Naled	300765	(Aminomethyl)-3-isoxazolol.	10	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)-	20830813	Daunomycin	1*	4	U059				10 (4.54)
1-Naphthalenamine	134327	alpha-Naphthylamine	1*	4	U167				100 (45.4)
2-Naphthalenamine	91598	beta-Naphthylamine	1*	4	U168				10 (4.54)
Naphthalenamine, N,N'-bis(2-chloroethyl)-	494031	Chlorophazine	1*	4	U026				100 (45.4)
Naphthalene	91203		5000	1,2,3,4	U165				100 (45.4)
Naphthalene, 2-chloro-	91587	beta-Chloronaphthalene	1*	2,4	U047				5000 (2270)
1,4-Naphthalenedione	130154	1,4-Naphthoquinone	1*	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.	72571	Trypan blue	1*	4	U236				10 (4.54)
Naphthelic acid	1338245		100	1					100 (45.4)
1,4-Naphthoquinone	130154	1,4-Naphthalenedione	1*	4	U166				5000 (2270)
alpha-Naphthylamine	134327	1-Naphthalenamine	1*	4	U167				100 (45.4)
beta-Naphthylamine	91598	2-Naphthalenamine	1*	4	U168				10 (4.54)
alpha-Naphthylthiourea	86884	Thiourea, 1-naphthalenyl-	1*	4	P072				100 (45.4)
Nickel <sup>++</sup>	7440020		1*	2					100 (45.4)
Nickel ammonium sulfate	15689180		5000	1					100 (45.4)
NICKEL AND COMPOUNDS	N.A.	Nickel Compounds	1*	2,3					**
Nickel Compounds	N.A.	NICKEL AND COMPOUNDS	1*	2,3					**
Nickel carbonyl	13463393	Nickel carbonyl Ni(CO) <sub>4</sub> , (T-4)-	1*	4	P073				10 (4.54)
Nickel carbonyl Ni(CO) <sub>4</sub> , (T-4)-	13463393	Nickel carbonyl	1*	4	P073				10 (4.54)
Nickel chloride	7718549		5000	1					100 (45.4)
Nickel cyanide	37211055	Nickel cyanide Ni(CN) <sub>2</sub>	1*	4	P074				10 (4.54)
Nickel cyanide Ni(CN) <sub>2</sub>	557197	Nickel cyanide	1*	4	P074				10 (4.54)
Nickel hydroxide	12054487		1000	1					10 (4.54)
Nickel nitrate	14216752		5000	1					100 (45.4)
Nickel sulfate	7786814		5000	1					100 (45.4)
Nicotine, & salts	54115	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-	1*	4	P075				100 (45.4)
Nitric acid	7697372		1000	1					1000 (454)
Nitric acid, thallium (1+) salt	10102451	Thallium (I) nitrate	1*	4	U217				100 (45.4)
Nitric oxide	10102439	Nitrogen oxide NO	1*	4	P076				10 (4.54)
p-Nitroaniline	100016	Benzenamine, 4-nitro-	1*	4	P077				5000 (2270)
Nitrobenzene	98953	Benzene, nitro-	1000	1,2,3,4	U169				1000 (454)
4-Nitrophenyl	10102440	Nitrogen oxide NO <sub>2</sub>	1*	3					10 (4.54)
Nitrogen dioxide	92933		1000	1,4	P078				10 (4.54)
Nitrogen oxide NO	10544726	Nitric oxide	1*	4	P076				10 (4.54)
Nitrogen oxide NO <sub>2</sub>	10102439	Nitrogen dioxide	1000	1,4	P078				10 (4.54)
Nitroglycerine	10544726	1,2,3-Propanetriol, trinitrate-	1*	4	P081				10 (4.54)
Nitrophenol (mixed)	55630		1000	1					100 (45.4)
m-Nitrophenol	25154556		1000	1					100 (45.4)
o-Nitrophenol	554847		1000	1					100 (45.4)
	88755	2-Nitrophenol	1000	1					100 (45.4)

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ		
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
p-Nitrophenol .....	100027	4-Nitrophenol .....	1000	1,2,3,4	U170	B	100 (45.4)
o-Nitrophenol .....	88755	Phenol, 4-nitro- .....	1000	1,2		B	100 (45.4)
p-Nitrophenol .....	100027	2-Nitrophenol .....	1000	1,2,4	U170	B	100 (45.4)
2-Nitrophenol .....	88755	4-Nitrophenol .....	1000	1,2		B	100 (45.4)
4-Nitrophenol .....	100027	o-Nitrophenol .....	1000	1,2,3,4	U170	B	100 (45.4)
NITROPHENOLS .....	N.A.	p-Nitrophenol .....	1*				**
2-Nitropropane .....	79469	Propane, 2-nitro .....	1*	3,4	U171	A	10 (4.54)
NITROSAMINES .....	N.A.		1*	2			**
N-Nitrosodi-n-butylamine .....	924163	1-Butanamine, N-butyl-N-nitroso- .....	1*	4	U172	A	10 (4.54)
N-Nitrosodietanolamine .....	1116547	Ethanol, 2,2-(nitrosoimino)bis- .....	1*	4	U173	X	1 (0.454)
N-Nitrosodimethylamine .....	55185	Ethanolamine, N-ethyl-N-nitroso- .....	1*	4	U174	X	1 (0.454)
N-Nitrosodiphenylamine .....	62759	Methanamine, N-methyl-N-nitroso- .....	1*	2,3,4	P082	A	10 (4.54)
N-Nitroso-N-ethylurea .....	86306	Urea, N-ethyl-N-nitroso- .....	1*	2		B	100 (45.4)
N-Nitroso-N-methylurea .....	759739	Urea, N-methyl-N-nitroso .....	1*	4	U176	X	1 (0.454)
N-Nitroso-N-methylurethane .....	694935	Carbamic acid, methyl(nitroso-, ethyl ester) .....	1*	3,4	U177	X	1 (0.454)
N-Nitrosomethylvinylamine .....	615532	Vinylamine, N-methyl-N-nitroso- .....	1*	4	U178	X	1 (0.454)
N-Nitrosomorpholine .....	4549400	Piperidine, 1-nitroso- .....	1*	4	P084	A	10 (4.54)
N-Nitrosopiperidine .....	59892	Pyrolidine, 1-nitroso- .....	1*	3		X	1 (0.454)
N-Nitrosopyrrolidine .....	100754	Cyclophosphamide .....	1*	4	U179	A	10 (4.54)
Nitrotoluene .....	930552	Ethylene oxide .....	1*	4	U180	X	1 (0.454)
m-Nitrotoluene .....	1321126	Glycidylaldehyde .....	1000	1		C	1000 (454)
o-Nitrotoluene .....	99081	1-Chloro-2,3-epoxypropane .....					
p-Nitrotoluene .....	88722	Epichlorohydrin .....					
5-Nitro-o-toluidine .....	99990	1,3,5-Trioxane, 2,4,6-trimethyl- .....					
Octamethylpyrophosphoramide .....	99558						
Osmium oxide OsO <sub>4</sub> (T-4) .....	152169						
Osmium tetroxide .....	20816120						
Osmium tetroxide .....	20816120						
7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid .....	145733						
1,2-Oxathiolane, 2,2-dioxide .....	1120714						
2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide .....	50180						
Oxirane .....	75218						
Oxirane-carboxaldehyde .....	765344						
Oxirane, (chloromethyl)- .....	106898						
Paraldehyde .....	30525894						
Paraldehyde .....	123637						

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Parathion	56382	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester.	1	1,3,4	P089	A	10 (4.54)
PCBs	1336363	Aroclors	10	1,2,3		X	1 (0.454)
	12674112	POLYCHLORINATED BIPHENYLS	10	1,2,3		X	1 (0.454)
Aroclor 1016	11104282		10	1,2,3		X	1 (0.454)
Aroclor 1221	11141165		10	1,2,3		X	1 (0.454)
Aroclor 1232	53469219		10	1,2,3		X	1 (0.454)
Aroclor 1242	12672296		10	1,2,3		X	1 (0.454)
Aroclor 1248	11097691		10	1,2,3		X	1 (0.454)
Aroclor 1254	11096825		10	1,2,3		X	1 (0.454)
Aroclor 1260	82688	Benzene, pentachloronitro-Pentachloronitro-benzene	1*	3,4	U185	X	100 (45.4)
PCNB	608935	Quintobenzene	1*	4	U183	A	10 (4.54)
Pentachlorobenzene	76017	Benzene, pentachloro-	1*	4	U184	A	10 (4.54)
Pentachloroethane	82688	Ethane, pentachloro-	1*	3,4	U185	B	100 (45.4)
Pentachloronitrobenzene		Benzene, pentachloronitro-PCNB	1*			B	
Pentachlorophenol	87865	Quintobenzene	10	1,2,3,4	U242	A	10 (4.54)
1,3-Pentadiene	504609	Phenol, pentachloro-	1*	4	U186	B	100 (45.4)
Perchloroethylene	127184	1-Methylbutadiene	1*	2,3,4	U210	B	100 (45.4)
		Ethene, tetrachloro-Tetrachloroethene	1*			B	
Phenacetin	62442	Tetrachloroethylene	1*	4	U187	B	100 (45.4)
Phenanthrene	85018	Acetamide, N-(4-ethoxyphenyl)-	1*	2		D	5000 (2270)
Phenol	108952	Benzene, hydroxy-	1000	1,2,3,4	U188	C	1000 (45.4)
Phenol, 2-chloro-	95578	o-Chlorophenol 2-Chlorophenol	1*	2,4	U048	B	100 (45.4)
Phenol, 4-chloro-3-methyl-	59507	p-Chloro-m-cresol	1*	2,4	U039	D	5000 (2270)
Phenol, 2-cyclohexyl-4,6-dinitro-	131895	4-Chloro-m-cresol	1*	4	P034	B	100 (45.4)
Phenol, 2,4-dichloro-	120832	2-Cyclohexyl-4,6-dinitrophenol	1*	2,4	U081	B	100 (45.4)
Phenol, 2,6-dichloro-	87650	2,4-Dichlorophenol	1*	4	U082	B	100 (45.4)
Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)	56531	2,6-Dichlorophenol	1*	4	U089	X	1 (0.454)
Phenol, 2,4-dimethyl-	105679	Diethylstilbestrol	1*	2,4	U101	B	100(45.4)
Phenol, 2,4-dinitro-	51285	2,4-Dimethylphenol	1000	1,2,3,4	P048	A	10 (4.54)
Phenol, methyl-	1319773	2,4-Dinitrophenol	1000	1,3,4	U052	B	100 (45.4)
Phenol, 2-methyl-4,6-dinitro-, & salts	534521	Cresols (isomers and mixture)	1*	2,3,4	P047	A	10 (4.54)
Phenol, 2,2-methylenebis[3,4,6-trichloro-	70304	Cresylic acid (isomers and mixture)	1*	4	U132	B	100 (45.4)
Phenol, 3-(1-methylethyl)-, methyl carbamate (m-Cumenyl methylcarbamate)	64006	4,6-Dinitro-o-cresol, and salts	1*	4	P202	B	100 (45.4)
Phenol, 2-(1-methylpropyl)-4,6-dinitro	88857	Hexachlorophene	1*	4		C	1000 (45.4)
Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate (Promecarb)	2631370	Dinoseb	1*	4	P201	C	1000 (45.4)
Phenol, 4-nitro-	100027	p-Nitrophenol	1000	1,2,3,4	U170	B	100 (45.4)
Phenol, pentachloro	87865	4-Nitrophenol	10	1,2,3,4	U242	A	10 (4.54)
Phenol, 2,3,4,6-tetrachloro-	58902	Pentachlorophenol	1*	4	U212	A	10 (4.54)
Phenol, 2,4,5-trichloro-	95954	2,3,4,6-Tetrachlorophenol	10	1,3,4	U230	A	10 (4.54)
		2,4,5-Trichlorophenol	10			A	

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ		
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Phenol, 2,4,6-trichloro-.....	88062	2,4,6-Trichlorophenol .....	10	1,2,3,4	U231	A	10 (4.54)
Phenol, 2,4,6-trinitro-, ammonium salt .....	131748	Ammonium picrate .....	1*	4	P009	A	10 (4.54)
L-Phenylalanine, 4-bis(2-chloroethyl) amino[] .....	148823	Mephalan .....	1*	4	U150	X	1 (0.454)
p-Phenylenediamine .....	106503	.....	1*	3	.....	D	5000 (2270)
1,10-(1,2-Phenylene)pyrene .....	193395	Indeno(1,2,3-cd)pyrene .....	1*	2,4	U137	B	100 (45.4)
Phenylmercury acetate .....	62384	Mercury, (acetato-O)phenyl- .....	1*	4	P092	B	100 (45.4)
Phenylthiourea .....	103855	Thiourea, phenyl- .....	1*	4	P093	B	100 (45.4)
Phorate .....	298022	Phosphorodithioic acid, O,O-diethyl S- (ethylthio), methyl ester. .....	1*	4	P094	A	10 (4.54)
Phosgene .....	75445	Carbonic dichloride .....	5000	1,3,4	P095	A	10 (4.54)
Phosphine .....	7803512	Hydrogen phosphide .....	1*	3,4	P096	B	100 (45.4)
Phosphoric acid .....	7664382	.....	5000	1	.....	D	5000 (2270)
Phosphoric acid, diethyl 4-nitrophenyl ester .....	311455	Diethyl-p-nitrophenyl phosphite .....	1*	4	P041	B	100 (45.4)
Phosphoric acid, lead(2+) salt (2:3) .....	7446277	Lead phosphite .....	1*	4	U145	A	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester .....	298044	Disulfoton .....	1	1,4	P039	X	1 (0.454)
Phosphorodithioic acid, O,O-diethyl S-(ethylthio), methyl ester .....	298022	Phorate .....	1*	4	P094	A	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-methyl ester .....	3288582	O,O-Diethyl S-methyl dithiophosphate .....	1*	4	U087	D	5000 (2270)
Phosphorodithioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester .....	60515	Dimethoate .....	1*	4	P044	A	10 (4.54)
Phosphorofluoridic acid, bis(1-methyl)ethyl ester .....	55914	Disopropylfluorophosphate .....	1*	4	P043	B	100 (45.4)
Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester .....	56382	Parathion .....	1	1,3,4	P089	A	10 (4.54)
Phosphorothioic acid, O-[4-(dimethylamino) sulfonyl]phenyl]O,O-di-methyl ester .....	52857	Famphur .....	1*	4	P097	C	1000 (454)
Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester .....	298000	Methyl parathion .....	100	1,4	P071	B	100 (45.4)
Phosphorothioic acid, O,O-diethyl O-pyrazinyl phosphorothioate .....	297972	O,O-Diethyl O-pyrazinyl phosphorothioate .....	1*	4	P040	B	100 (45.4)
Phosphorus .....	7723140	.....	1	1,3	.....	X	1 (0.454)
Phosphorus oxide .....	10025873	Phosphorus sulfide .....	5000	1	.....	C	1000 (454)
Phosphorus pentasulfide .....	1314803	Phosphorus sulfide Sulfur phosphide .....	100	1,4	U189	B	100 (45.4)
Phosphorus sulfide .....	1314803	Phosphorus pentasulfide Sulfur phosphide .....	100	1,4	U189	B	100 (45.4)
Phosphorus trichloride .....	7719122	.....	5000	1	.....	C	1000 (454)
PHTHALATE ESTERS .....	N.A.	.....	1*	2	.....	**	.....
Phthalic anhydride .....	85449	1,3-isobenzofurandione .....	1*	3,4	U190	D	5000 (2270)
2-Picoline .....	109068	Pyridine, 2-methyl- .....	1*	4	U191	D	5000 (2270)
Piperidine, 1-nitroso- .....	100754	N-Nitrosopiperidine .....	1*	4	U179	A	10 (4.54)
Plumbane, tetraethyl- .....	78002	Tetraethyl lead .....	100	1,4	P110	A	10 (4.54)
POLYCHLORINATED BIPHENYLS .....	1336363	Aroclors .....	10	1,2,3	.....	X	1 (0.454)
Aroclor 1016 .....	12674112	PCBs .....	10	1,2,3	.....	X	1 (0.454)
Aroclor 1221 .....	11104282	.....	10	1,2,3	.....	X	1 (0.454)
Aroclor 1232 .....	11141165	.....	10	1,2,3	.....	X	1 (0.454)
Aroclor 1242 .....	53469219	.....	10	1,2,3	.....	X	1 (0.454)

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Atroclor 1248	12672296	.....	10	1,2,3	X	1 (0.454)
Atroclor 1254	11097691	.....	10	1,2,3	X	1 (0.454)
Atroclor 1260	11096825	.....	10	1,2,3	X	1 (0.454)
Polycyclic Organic Matter <sup>e</sup>	N.A.	.....	1*	3		**
POLYNUCLEAR AROMATIC HYDROCARBONS	N.A.	.....	1*	2		**
Potassium arsenate	7784410	.....	1000	1	X	1 (0.454)
Potassium arsenite	10124502	.....	1000	1	X	1 (0.454)
Potassium bichromate	7778509	.....	1000	1	A	10 (4.54)
Potassium chromate	7789006	.....	1000	1	A	10 (4.54)
Potassium cyanide	151508	.....	10	1,4	A	10 (4.54)
Potassium cyanide K(CN)	151508	.....	10	1,4	A	10 (4.54)
Potassium hydroxide	1310583	.....	1000	1	C	1000 (454)
Potassium permanganate	7722647	.....	100	1	B	100 (45.4)
Potassium silver cyanide	506616	.....	1*	4	X	1 (0.454)
Pronamide	23950585	.....	1*	4	D	5000 (2270)
Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime	116063	.....	1*	4	X	1 (0.454)
1-Propanamine	107108	.....	1*	4	P070	5000 (2270)
1-Propanamine, N-propyl-	142847	.....	1*	4	D	5000 (2270)
1-Propanamine, N-nitroso-N-propyl-	621647	.....	1*	2,4	D	10 (4.54)
Propane, 2-nitro	79469	.....	1*	3,4	A	10 (4.54)
1,3-Propane sulfone	1120714	.....	1*	3,4	A	10 (4.54)
Propane, 1,2-dibromo-3-chloro	96128	.....	1*	3,4	X	1 (0.454)
Propane, 1,2-dichloro-	78875	.....	5000	1,2,3,4	C	1000 (454)
Propanedinitrile	109773	.....	1*	4	C	1000 (454)
Propanenitrile	107120	.....	1*	4	A	10 (4.54)
Propanenitrile, 3-chloro-	542767	.....	1*	4	C	1000 (454)
Propanenitrile, 2-hydroxy-2-methyl-	75865	.....	10	1,4	A	10 (4.54)
Propane, 2,2'-oxybis[2-chloro-	108601	.....	1*	2,4	C	1000 (454)
1,2,3-Propanetriol, trinitrate-	55630	.....	1*	4	A	10 (4.54)
1-Propanol, 2,3-dibromo-, phosphate (3:1)	126727	.....	1*	4	A	10 (4.54)
1-Propanol, 2-methyl-	78831	.....	1*	4	D	5000 (2270)
Propanal, 2-methyl-2-(methylsulfonyl)-, O-[(methylamino)carbonyl] oxime (Aldicarb sulfone)	1646884	.....	1*	4	D	#
2-Propanone	67641	.....	1*	4	D	5000 (2270)
2-Propanone, 1-bromo-	598312	.....	1*	4	C	1000 (454)
Propargile	2312358	.....	10	1	A	10 (4.54)
Propargyl alcohol	107197	.....	1*	4	C	1000 (454)
2-Propanal	107028	.....	1	1,2,3,4	X	1 (0.454)
2-Propanamide	79061	.....	1*	3,4	P003	5000 (2270)
1-Propene, 1,1,2,3,3,3-hexachloro-	1888717	.....	1*	4	D	1000 (454)
1-Propene, 1,3-dichloro-	542756	.....	5000	1,2,3,4	C	100 (45.4)
2-Propenenitrile	107131	.....	100	1,2,3,4	B	100 (45.4)
2-Propenenitrile, 2-methyl-	126987	.....	1*	4	C	1000 (454)
2-Propenoic acid	79107	.....	1*	3,4	D	5000 (2270)
2-Propenoic acid, ethyl ester	140885	.....	1*	3,4	C	1000 (454)
2-Propenoic acid, 2-methyl-, ethyl ester	97632	.....	1*	4	C	1000 (454)
2-Propenoic acid, 2-methyl-, methyl ester	80626	.....	5000	1,3,4	C	1000 (454)

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

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



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Reserpine	50555	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester, (3beta,16beta,17alpha,18beta,20alpha)-	1*	4	U200	D	5000 (2270)
Resorcinol	108463	1,3-Benzenediol	1000	1,4	U201	D	5000 (2270)
Saccharin and salts	81072	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide	1*	4	U202	B	100 (45.4)
Safrole	94597	1,3-Benzodioxole, 5-(2-propenyl)-	1*	4	U203	B	100 (45.4)
Selenous acid	7763008	Thallium selenite	1*	4	U204	A	10 (4.54)
Selenous acid, dithallium (1+) salt	12039520	Selenium Compounds	1*	4	P114	C	1000 (454)
Selenium <sup>++</sup>	7782492	SELENIUM COMPOUNDS	1*	2		B	100 (45.4)
SELENIUM AND COMPOUNDS	N.A.	Selenium dioxide	1*	2,3		**	**
Selenium Compounds	N.A.	Selenium oxide	1*	2,3		**	**
Selenium dioxide	7446084	Selenium sulfide	1000	1,4	U204	A	10 (4.54)
Selenium oxide	7446084	Selenium sulfide Se <sub>2</sub>	1000	1,4	U204	A	10 (4.54)
Selenium sulfide	7488564	Selenium sulfide	1*	4	U205	A	10 (4.54)
Selenium sulfide Se <sub>2</sub>	7488564	Selenium sulfide	1*	4	U205	A	10 (4.54)
Selenourea	630104	Azaserine	1*	4	P103	C	1000 (454)
L-Serine, diazoacetate (ester)	115026	Silver	1*	4	U015	X	1 (0.454)
Silver <sup>++</sup>	7440224	Silver cyanide Ag (CN)	1*	2		C	1000 (454)
SILVER AND COMPOUNDS	N.A.	Silver cyanide	1*	2		**	**
Silver cyanide	506649	Propionic acid, 2-(2,4,5-trichlorophenoxy)-2,4,5-TP acid	1*	4	P104	X	1 (0.454)
Silver cyanide Ag (CN)	506649		1*	4	P104	X	1 (0.454)
Silver nitrate	7761888		1	1		X	1 (0.454)
Silvex (2,4,5-TP)	93721		100	1,4	U233	B	100 (45.4)
Sodium	7440235		1000	1		A	10 (4.54)
Sodium arsenate	7631892		1000	1		X	1 (0.454)
Sodium arsenite	7784465		1000	1		X	1 (0.454)
Sodium azide	26628228		1*	4	P105	C	1000 (454)
Sodium bichromate	10588019		1000	1		A	10 (4.54)
Sodium bifluoride	1333831		5000	1		B	100 (45.4)
Sodium bisulfite	7631905		5000	1		D	5000 (2270)
Sodium chromate	7775113		1000	1		A	10 (4.54)
Sodium cyanide	143339	Sodium cyanide Na(CN)	10	1,4	P106	A	10 (4.54)
Sodium cyanide Na(CN)	143339	Sodium cyanide	10	1,4	P106	A	10 (4.54)
Sodium dodecylbenzenesulfonate	25155300		1000	1		C	1000 (454)
Sodium fluoride	7681494		5000	1		C	1000 (454)
Sodium hydrosulfide	16721805		5000	1		D	5000 (2270)
Sodium hydroxide	1310732		1000	1		C	1000 (454)
Sodium hypochlorite	7681529		100	1		B	100 (45.4)
	10022705						
Sodium methylate	124414		1000	1		C	1000 (454)
Sodium nitrite	7632000		100	1		B	100 (45.4)
Sodium phosphate, dibasic	7558794		5000	1		D	5000 (2270)
	10039324						
	10140655						

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ		
			RQ	Code †	RCRA waste Number	Category	Pounds (Kg)
Sodium phosphate, tribasic	7601549 7758294 7785844 10101890 10124568 10361894 10102188 7782823 18883664		5000	1		D	5000 (2270)
Sodium selenite			1000	1		B	100 (45.4)
Streptozotocin		D-Glucose, 2-deoxy-2-[[methyl(nitrosoamino)-carboxylamino]-, 2-deoxy-2-(3-methyl-3-nitrosoirido)-	1*	4	U206	X	1 (0.454)
Strontium chromate	7789062		1000	1		A	10 (4.54)
Strychnidin-10-one	57249	Strychnine, & salts	10	1,4	P108	A	10 (4.54)
Strychnidin-10-one, 2,3-dimethoxy-	357573	Brucine	1*	4	P018	B	100 (45.4)
Strychnine, & salts	57249	Strychnidin-10-one	10	1,4	P108	A	10 (4.54)
Styrene	100425		1000	1,3		C	1000(454)
Styrene oxide	96093		1*	3		B	100 (45.4)
Sulfur monochloride	12771083		1000	1		C	1000 (454)
Sulfur phosphide	1314803	Phosphorus pentasulfide	100	1,4	U189	B	100 (45.4)
Sulfuric acid	7664839 8014957 7446186	Phosphorus sulfide	1000	1		C	1000 (454)
Sulfuric acid, dithallium (1+) salt	10031591	Thallium (I) sulfate	1000	1,4	P115	B	100 (45.4)
Sulfuric acid, dimethyl ester	77781		1*	3,4	U103	B	100(45.4)
2,4,5-T acid	93765	Acetic acid, (2,4,5-trichlorophenoxy)	100	1,4	U232	C	1000 (454)
2,4,5-T amines	2008460 1319728 3813147 6369966 6369977 93798 1928478 2545597 25168154 61792072 13560991 93765		100	1		D	5000 (2270)
2,4,5-T esters			100	1		C	1000 (454)
2,4,5-T salts		Acetic acid, (2,4,5-trichlorophenoxy)	100	1		C	1000 (454)
2,4,5-T		2,4,5-T acid	100	1,4	U232	C	1000 (454)

TCDD	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746016	1*	2,3	X	1 (0.454)
TDE	Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro-3,3-dimethyl-5-penteno-2-one)	72548	1*	1,2,4	X	1 (0.454)
1,2,4,5-Tetrachlorobenzene	Benzene, 1,2,4,5-tetrachloro-	95943	1*	4	D	5000 (2270)
2,3,7,8-Tetrachlorodibenzo-p-dioxin	TCDD	1746016	1*	2,3	X	1 (0.454)
1,1,1,2-Tetrachloroethane	Ethane, 1,1,1,2-tetrachloro-	630206	1*	4	B	100 (45.4)
1,1,1,2,2-Tetrachloroethane	Ethane, 1,1,2,2-tetrachloro-	79345	1*	2,3,4	B	100(45.4)
Tetrachloroethene	Ethene, tetrachloro-	127184	1*	2,3,4	B	100(45.4)
Tetrachloroethylene	Perchloroethylene	127184	1*	2,3,4	B	100(45.4)
	Ethene, tetrachloro		1*	2,3,4	B	100(45.4)
	Perchloroethylene		1*	2,3,4	B	100(45.4)
2,3,4,6-Tetrachlorophenol	Tetrachloroethene	58902	1*	4	A	10 (4.54)
Tetraethyl lead	Phenol, 2,3,4,6-tetrachloro-	78002	100	1,4	A	10 (4.54)
Tetraethyl pyrophosphate	Plumbane, tetraethyl-	107493	100	1,4	A	10 (4.54)
Tetraethylthiopyrophosphate	Diphosphoric acid, tetraethyl ester	3689245	1*	4	B	100 (45.4)
Tetrahydrofuran	Thiodiphosphoric acid, tetraethyl ester	109999	1*	4	C	1000 (45.4)
Tetranitromethane	Furan, tetrahydro-	509148	1*	4	A	10 (4.54)
Tetraphosphoric acid, hexaethyl ester	Methane, tetranitro-	757584	1*	4	B	100 (45.4)
Thalic oxide	Hexaethyl tetraphosphate	1314325	1*	4	B	100 (45.4)
Thallium <sup>††</sup>	Thallium oxide Tl <sub>2</sub> O <sub>3</sub>	7440280	1*	2	C	1000 (45.4)
Thallium and compounds	N.A.		1*	2		
Thallium (I) acetate	Acetic acid, thallium(1+) salt	563688	1*	4	B	100 (45.4)
Thallium (I) carbonate	Carbonic acid, dithallium(1+) salt	6533739	1*	4	B	100 (45.4)
Thallium (I) chloride	Thallium chloride TlCl	7791120	1*	4	B	100 (45.4)
Thallium (I) nitrate	Thallium(I) chloride	7791120	1*	4	B	100 (45.4)
Thallium oxide Tl <sub>2</sub> O <sub>3</sub>	Nitric acid, thallium(1+) salt	10102451	1*	4	B	100 (45.4)
Thallium (I) sulfate	Thalic oxide	1314325	1*	4	B	100 (45.4)
Thioacetamide	Selenious acid, dithallium(1+) salt	12039520	1*	4	C	1000 (45.4)
Thiodiphosphoric acid, tetraethyl ester	Sulfuric acid, dithallium(1+) salt	7446186	1000	1,4	B	100 (45.4)
Thioanox	Ethanethioamide	10031591	1*	4	A	10 (4.54)
Thiomethanol	Tetraethylthiopyrophosphate	62555	1*	4	B	100 (45.4)
Thiosemicarbazide	2-Butanone, 3,3-dimethyl-1-(methylthio)-	3689245	1*	4	B	100 (45.4)
Thiourea	Dithioburet	39196184	1*	4	B	100 (45.4)
Thiourea, (2-chlorophenyl)-	Methanethiol	541537	100	1,4	B	100 (45.4)
Thiourea, 1-naphthalenyl-	Methylmercaptan	74931	1*	4	B	100 (45.4)
Thiourea, phenyl-	Thiram	137268	1*	4	A	10 (4.54)
Thiram	Benzenethiol	108985	1*	4	B	100 (45.4)
Titanium tetrachloride	Hydrazinecarbothioamide	79196	1*	4	B	100 (45.4)
Toluene	Thiourea	62566	1*	4	A	10 (4.54)
	Thiourea, (2-chlorophenyl)-	5344821	1*	4	B	100 (45.4)
	Thiourea, 1-naphthalenyl-	86884	1*	4	B	100 (45.4)
	Thiourea, phenyl-	103855	1*	4	B	100 (45.4)
	Thiram	137268	1*	4	A	10 (4.54)
	Thioperoxydicarbonic diamide		1*	4	B	100 (45.4)
	[(H2N)(S)] 2S2, tetramethyl-		1*	4	A	10 (4.54)
	Benzene, methyl	7550450	1*	3	C	1000 (45.4)
		108883	1000	1,2,3,4	C	1000(45.4)

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ		
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Toluenediamine	95807 496720 823405 25376458	Benzenediamine, ar-methyl- 2,4-Toluene diamine	1*	3,4	U221	A	10(4.54)
2,4-Toluene diamine	95807 496720 823405 25376458	Benzenediamine, ar-methyl- Toluenediamine	1*	3,4	U221	A	10(4.54)
Toluene diisocyanate	91087 584849 26471625	Benzene, 1,3-diisocyanatomethyl- 2,4-Toluene diisocyanate-	1*	3,4	U223	B	100 (45.4)
2,4-Toluene diisocyanate	91087 584849 26471625	Benzene, 1,3-diisocya-natomethyl- Toluene diisocyanate	1*	3,4	U223	B	100 (45.4)
o-Toluidine	95534	Benzenamine, 2-methyl-	1*	3,4	U328	B	100(45.4)
p-Toluidine	106490	Benzenamine, 4-methyl-	1*	4	U353	B	100 (45.4)
o-Toluidine hydrochloride	636215	Benzenamine, 2-methyl-, hydrochloride	1*	4	U222	B	100 (45.4)
Toxaphene	8001352	Camphene, octachloro-	1*	1,2,3,4	P123	X	1 (0.454)
2,4,5-TP acid	93721	Chlorinated camphene	100	1,4	U233	B	100 (45.4)
2,4,5-TP esters	32534955	Propionic acid, 2-(2,4,5-trichlorophenoxy)- Silvex (2,4,5-TP)	100	1		B	100 (45.4)
1H-1,2,4-Triazol-3-amine	61825	Amitrole	1*	4	U011	A	10 (4.54)
Trichlorfon	52686		1000	1		B	100 (45.4)
1,2,4-Trichlorobenzene	120821		1*	2,3		B	100 (45.4)
1,1,1-Trichloroethane	71556	Ethane, 1,1,1-trichloro-	1*	2,3,4	U226	C	1000 (454)
1,1,2-Trichloroethane	79005	Methyl chloroform	1*	2,3,4	U227	B	100 (45.4)
Trichloroethane	79016	Ethane, trichloro-	1000	1,2,3,4	U228	B	100 (45.4)
Trichloroethylene	79016	Trichloroethylene	1000	1,2,3,4	U228	B	100 (45.4)
Trichloromethanesulfonyl chloride	594423	Trichloroethene	1*	4	P118	B	100 (45.4)
Trichloromonofluoromethane	75694	Methanesulfonyl chloride, trichloro-	1*	4	U121	D	5000 (2270)
Trichlorophenol	25167822	Methane, trichlorofluoro-	10	1		A	10 (4.54)
2,3,4-Trichlorophenol	15950660						
2,3,5-Trichlorophenol	933788						
2,3,6-Trichlorophenol	933755						
2,4,5-Trichlorophenol	95954		10	1,3,4	U230	A	10 (4.54)
2,4,6-Trichlorophenol	88062		10	1,2,3,4	U231	A	10 (4.54)
3,4,5-Trichlorophenol	609198						

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2,4,5-Trichlorophenol	95954	Phenol, 2,4,5-trichloro-	10*	1,4	U230	A	10 (4.54)
2,4,6-Trichlorophenol	88062	Phenol, 2,4,6-trichloro-	10	1,2,4	U231	A	10 (4.54)
Triethanolamine dodecylbenzenesulfonate	27323417		1000	1		C	1000 (454)
Triethylaniline	121448		5000	1,3		D	5000 (2270)
Trifluorallin	1582098		1*	3		A	10 (4.54)
Trimethylamine	75503		1000	1		D	1000 (45.4)
2,2,4-Trimethylpentane	540841		1*	3		B	1000 (45.4)
1,3,5-Trinitrobenzene	99354	Benzene, 1,3,5-trinitro-	1*	4	U234	A	10 (4.54)
1,3,5-Trioxane, 2,4,6-trimethyl-	123637	Paraldehyde	1*	4	U182	C	1000 (454)
Tris(2,3-dibromopropyl) phosphate	126727	1-Propanol, 2,3-dibromo-, phosphate [(3:1).....	1*	4	U235	A	10 (4.54)
Trypan blue	72571	2,7-Naphthalenedisulfonic acid, 3,3'-3,3'-di-methyl-(1,1'-biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-tetrasodium salt.	1*	4	U236	A	10 (4.54)
Unlisted Hazardous Wastes Characteristic of Corrosivity	N.A.		1*	4	D002	B	100 (45.4)
Unlisted Hazardous Wastes Characteristics:	N.A.						
Characteristic of Toxicity:							
Arsenic (D004)	N.A.		1*	4	D004	X	1 (0.454)
Barium (D005)	N.A.		1*	4	D005	C	1,000 (454)
Benzene (D018)	N.A.		1000	1, 2, 3, 4	D018	A	10 (4.54)
Cadmium (D006)	N.A.		1*	4	D006	A	10 (4.54)
Carbon tetrachloride (D019)	N.A.		5,000	1, 2, 4	D019	X	10 (4.54)
Chloroethane (D020)	N.A.		1	1, 2, 4	D020	X	1 (0.454)
Chlorobenzene (D021)	N.A.		100	1, 2, 4	D021	B	100 (45.4)
Chloroform (D022)	N.A.		5,000	1, 2, 4	D022	A	10 (4.54)
Chromium (D007)	N.A.		1*	4	D007	A	10 (4.54)
o-Cresol (D023)	N.A.		1*	4	D023	B	100 (45.4)
m-Cresol (D024)	N.A.		1*	4	D024	B	100 (45.4)
p-Cresol (D025)	N.A.		1*	4	D025	B	100 (45.4)
Cresol (D026)	N.A.		1*	4	D026	B	100 (45.4)
2,4-D (D016)	N.A.		100	1, 4	D016	B	100 (45.4)
1,4-Dichlorobenzene (D027)	N.A.		100	1, 2, 4	D027	B	100 (45.4)
1,2-Dichloroethane (D028)	N.A.		5,000	1, 2, 4	D028	B	100 (45.4)
1,1-Dichloroethylene (D029)	N.A.		5,000	1, 2, 4	D029	B	100 (45.4)
2,4-Dinitrotoluene (D030)	N.A.		1,000	1, 2, 4	D030	A	10 (4.54)
Endrin (D012)	N.A.		1	1, 4	D012	X	1 (0.454)
Heptachlor (and epoxide) (D031)	N.A.		1	1, 2, 4	D031	X	1 (0.454)
Hexachlorobenzene (D032)	N.A.		1*	2, 4	D032	X	10 (4.54)
Hexachlorobutadiene (D033)	N.A.		1*	2, 4	D033	X	1 (0.454)
Hexachloroethane (D034)	N.A.		1*	2, 4	D034	B	100 (45.4)
Lead (D008)	N.A.		1*	4	D008	B	10 (4.54)
Lindane (D013)	N.A.		1	1, 4	D013	X	1 (0.454)
Mercury (D009)	N.A.		1*	4	D009	X	1 (0.454)
Methoxychlor (D014)	N.A.		1	1, 4	D014	X	1 (0.454)
Methyl ethyl ketone (D035)	N.A.		1*	4	D035	D	5,000 (2270)
Nitrobenzene (D036)	N.A.		1,000	1, 2, 4	D036	C	1,000 (454)
Pentachlorophenol (D037)	N.A.		10	1, 2, 4	D037	A	10 (4.54)
Pyridine (D038)	N.A.		1*	4	D038	C	1,000 (454)
Selenium (D010)	N.A.		1*	4	D010	A	10 (4.54)

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ		
			RQ	Code †	RCRA waste Number	Cat-egory	Pounds (Kg)
Silver (D011)	N.A.	.....	*1	4	D011	X	1 (0.454)
Tetrachloroethylene (D039)	N.A.	.....	*1	2, 4	D039	B	100 (45.4)
Toxaphene (D015)	N.A.	.....	1	1, 4	D015	X	1 (0.454)
Trichloroethylene (D040)	N.A.	.....	1000	1, 2, 4	D040	B	100 (45.4)
2,4,5-Trichlorophenol (D041)	N.A.	.....	10	1, 4	D041	A	10 (4.54)
2,4,6-Trichlorophenol (D042)	N.A.	.....	10	1, 2, 4	D042	A	10 (4.54)
2,4,5-TP (D017)	N.A.	.....	100	1, 4	D017	B	100 (45.4)
Vinyl chloride (D043)	N.A.	.....	*1	2, 3, 4	D043	X	1 (0.454)
Unlisted Hazardous Wastes Characteristic of Ignitability	N.A.	.....	*1	4	D001	B	100 (45.4)
Unlisted Hazardous Wastes Characteristic of Reactivity	N.A.	.....	*1	4	D003	B	100 (45.4)
Uracil mustard	66751	2,4-(1H,3H)-Pyrimidinone, 5-[bis(2-chloroethyl)amino]-	*1	4	U237	A	10 (4.54)
Uranyl acetate	541093	.....	5000	1		B	100 (45.4)
Uranyl nitrate	10102064 36478769	.....	5000	1		B	100 (45.4)
Urea, N-ethyl-N-nitroso-	759739	N-Nitroso-N-ethylurea	*1	4	U176	X	1 (0.454)
Urea, N-methyl-N-nitroso	684935	N-Nitroso-N-methylurea	*1	3, 4	U177	X	1 (0.454)
Urethane	51796	Carbamic acid, ethyl ester	*1	3, 4	U238	B	100 (45.4)
Vanadic acid, ammonium salt	7803556	Ethyl carbamate					
Vanadium oxide V <sub>2</sub> O <sub>5</sub>	1314621	Ammonium vanadate	*1	4	P119	C	1000 (454)
Vanadium pentoxide	1314621	Vanadium pentoxide	1000	1, 4	P120	C	1000 (454)
Vanadyi sulfate	27774136	Vanadium oxide V <sub>2</sub> O <sub>5</sub>	1000	1, 4	P120	C	1000 (454)
Vinyl acetate	108054	Vinyl acetate monomer	1000	1, 3		D	5000 (2270)
Vinylamine, N-methyl-N-nitroso-	4549400	N-Nitrosomethylvinylamine	1000	1, 3		D	5000 (2270)
Vinyl bromide	593602	.....	*1	4	P084	A	10 (4.54)
Vinyl chloride	75014	Ethene, chloro-	*1	3		B	100 (45.4)
Vinylidene chloride	75354	1,1-Dichloroethylene	5000	1, 2, 3, 4	U043	X	1 (0.454)
Warfarin, & salts, when present at concentrations greater than 0.3%	81812	Ethene, 1,1-dichloro- 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3%	*1	4	U078	B	100 (45.4)
Xylene	1330207	Xylenes (mixed)	1000	1, 3, 4	U239	B	100 (45.4)
m-Xylene	108383	Xylenes (isomers and mixture)					
o-Xylene	95476	Benzene, m-dimethyl-	*1	3		C	1000 (454)
p-Xylene	106423	Benzene, o-dimethyl- Benzene, p-dimethyl-	*1	3		C	1000 (454)
			*1	3		B	100 (45.4)

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Xylene (mixed) .....	1330207	Benzene, dimethyl- .....	1000	1,3,4	U239	B	100 (45.4)
Xylenes (isomers and mixture) .....	1330207	Xylene (isomers and mixture) .....	1000	1,3,4	U239	B	100 (45.4)
Xylenol .....	1300716	Xylene (mixed) .....	1000	1	U200	C	1000 (454)
Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyloxy)-, methyl ester (3beta,16beta,17alpha,18beta,20alpha)-	50555	Reserpine .....	1*	4		D	5000 (2270)
Zinc .....	7440666	.....	1*	2		C	1000 (454)
Zinc .....	557346	.....	1*	2		C	**
ZINC AND COMPOUNDS .....	52628258	.....	1000	1		C	1000 (454)
Zinc acetate .....	14639975	.....	5000	1		C	1000 (454)
Zinc ammonium chloride .....	14639986	.....					
Zinc, bis(dimethylcarbamodithioato-S,S')-, (Ziram) .....	137304	.....	1*	4	P205	C	#
Zinc borate .....	1332076	.....	1000	1		C	1000 (454)
Zinc bromide .....	7699458	.....	5000	1		C	1000 (454)
Zinc carbonate .....	3486359	.....	1000	1		C	1000 (454)
Zinc chloride .....	7646857	.....	5000	1		C	1000 (454)
Zinc cyanide .....	557211	Zinc cyanide Zn(CN)2 .....	10	1,4	P121	A	10 (4.54)
Zinc cyanide Zn(CN)2 .....	557211	Zinc cyanide .....	10	1,4	P121	A	10 (4.54)
Zinc fluoride .....	7783495	.....	1000	1		C	1000 (454)
Zinc formate .....	557415	.....	1000	1		C	1000 (454)
Zinc hydrosulfite .....	7779864	.....	1000	1		C	1000 (454)
Zinc nitrate .....	7779886	.....	5000	1		C	1000 (454)
Zinc phenosulfonate .....	127822	.....	5000	1		D	5000 (2270)
Zinc phosphide .....	1314847	Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations greater than 10% .....	1000	1,4	P122	B	100 (45.4)
Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations greater than 10% .....	1314847	Zinc phosphide .....	1000	1,4	P122	B	100 (45.4)
Zinc silicofluoride .....	16871719	.....	5000	1		D	5000 (2270)
Zinc sulfate .....	7733020	.....	1000	1		C	1000 (454)
Zirconium nitrate .....	13746899	.....	5000	1		D	5000 (2270)
Zirconium potassium fluoride .....	16923958	.....	5000	1		C	1000 (454)
Zirconium sulfate .....	14644612	.....	5000	1		D	5000 (2270)
Zirconium tetrachloride .....	10026116	.....	5000	1		D	5000 (2270)
F001 .....		.....	1*	4	F001	A	10 (4.54)
The following spent halogenated solvents used in degreasing, all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures							
(a) Tetrachloroethylene .....	127184	.....	1*	2,4	U210	B	100 (45.4)
(b) Trichloroethylene .....	79016	.....	1000	1,2,4	U228	B	100 (45.4)
(c) Methylene chloride .....	75092	.....	1*	2,4	U080	C	1000 (454)
(d) 1,1,1-Trichloroethane .....	71556	.....	1*	2,4	U226	C	1000 (454)
(e) Carbon tetrachloride .....	56235	.....	5000	1,2,4	U211	A	10 (4.54)

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ
			RQ	Code †	
(f) Chlorinated fluorocarbons	N.A.		1*	4	D 5000 (2270) A 10 (4.54)
F002 The following spent halogenated solvents: all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures					
(a) Tetrachloroethylene	127184		1*	2,4	B 100 (45.4)
(b) Methylenedichloride	75092		1*	2,4	C 1000 (454)
(c) Trichloroethylene	79016		1000	1,2,4	B 100 (45.4)
(d) 1,1,1-Trichloroethane	71556		1*	2,4	C 1000 (454)
(e) Chlorobenzene	108907		100	1,2,4	B 100 (45.4)
(f) 1,1,2-Trichloro-1,2,2-trifluoroethane	76131		100	1,2,4	D 5000 (2270)
(g) o-Dichlorobenzene	95501		1*	4	B 100 (45.4)
(h) Trichlorofluoromethane	75694		1*	2,4	D 5000 (2270)
(i) 1,1,2-Trichloroethane	79005		1*	4	B 100 (45.4)
F003 The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:					
(a) Xylene	1330207				C 1000 (454)
(b) Acetone	67641				D 5000 (2270)
(c) Ethyl acetate	141786				D 5000 (2270)
(d) Ethylbenzene	100414				C 1000 (454)
(e) Ethyl ether	60297				B 100 (45.4)
(f) Methyl isobutyl ketone	108101				D 5000 (2270)
(g) n-Butyl alcohol	71363				D 5000 (2270)
(h) Cyclohexanone	108941				D 5000 (2270)
(i) Methanol	67561				D 5000 (2270)
F004 The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:					
(a) Cresols/Cresylic acid	1319773		1000	1,3,4	B 100(45.4)
(b) Nitrobenzene	98953		1000	1,2,4	C 1000 (454)
F005 The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:					
(a) Toluene	108883		1000	1,2,4	B 100 (45.4)
(b) Methyl ethyl ketone	78933		1*	4	C 1000 (454)
(c) Carbon disulfide	75150		5000	1,4	D 5000 (2270)
(d) Isobutanol	78831		1*	4	D 5000 (2270)
(e) Pyridine	110861		1*	4	C 1000 (454)



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

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

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

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

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

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

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

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

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

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

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

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





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

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

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Wastewater from the reactor and spent sulfuric acid from the acid dryer in the production of methyl bromide.	1000	4	K132	X	1000 (454)
K132 Spent absorbent and wastewater solids from the production of methyl bromide.	1*	4	K136	X	1 (0.454)
K136 Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	1*	4	K141	X	1 (0.454)
K141 Process related from the recovery of coal tar, including, but not limited to, tar collecting sump residues from the production of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludge from coking operations.).	1*	4	K142	X	1 (0.454)
K142 Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.	1*	4	K143	X	1 (0.454)
K143 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.	1*	4	K144	X	1 (0.454)
K144 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.	1*	4	K145	X	1 (0.454)
K145 Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.	1*	4	K147	X	1 (0.454)
K147 Tar storage tank residues from coal tar refining.	1*	4	K148	X	1 (0.454)
K148 Residues from coal tar distillation, including, but not limited to, still bottoms.	1*	4	K149	A	10 (4.54)
K149 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].	1*	4	K150	A	10 (4.54)
K150 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.	1*	4	K151	A	10 (4.54)

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

Hazardous substance	CASRN	Regulatory synonyms	Statutory		Final RQ	
			RQ	Code †	RCA Waste Number	Category
Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.						
K156			*1	4	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.)						
K157			*1	4	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.)						
K158			*1	4	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.)						
K159			1*	4	K159	##
Organics from the treatment of thiocarbamate wastes.						
K161			1*	4	K161	##
Purification solids (including filtration, evaporation, and centrifugation solids), bag house dust, and floor sweepings from the production of dihydrocarbamate acids and their salts (This listing does not include K125 or K126.)						
K169			1*	4	K169	A 10(4.54)
Crude oil storage tank sediment from petroleum refining operations.						
K170			1*	4	K170	X 1 (0.454)
Clarified slurry, oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.						
K171			1*	4	K171	X 1 (0.454)
Spent hydrotreating catalyst from petroleum refining operations. (This listing does not include inert support media.)						
K172			1*	4	K172	X 1 (0.454)

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

- † Indicates the statutory source as defined by 1, 2, 3, and 4 below.
- †† No reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is equal to or exceeds 100 micrometers (0.004 inches).
- ††† The RQ for asbestos is limited to friable forms only.
- 1—Indicates that the statutory source for designation of this hazardous substance under CERCLA is CWA Section 311(b)(4).
- 2—Indicates that the statutory source for designation of this hazardous substance under CERCLA is CWA Section 307(a).
- 3—Indicates that the statutory source for designation of this hazardous substance under CERCLA is CAA Section 112.
- 4—Indicates that the statutory source for designation of this hazardous substance under CERCLA is RCRA Section 3001.
- 1\*—Indicates that the 1-pound RQ is a CERCLA statutory RQ.
- # Indicates that the RQ is subject to change when the assessment of potential carcinogenicity is completed.
- ## The Agency may adjust the statutory RQ for this hazardous substance in a future rulemaking; until then the statutory RQ applies.
- §—The adjusted RQs for radionuclides may be found in appendix B to this table.
- \*\*—Indicates that no RQ is being assigned to the generic or broad class.
- <sup>a</sup> 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.
- <sup>b</sup> 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.
- <sup>c</sup> 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.
- <sup>d</sup> Includes mono- and di-ethers of ethylene glycol, diethylene glycol, and triethylene glycol R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR' where n=1, 2, or 3
- R=alkyl or aryl groups
- R'=R, H, or groups which, when removed, yield glycol ethers with the structure: R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OH. Polymers are excluded from the glycol category.
- <sup>e</sup> Includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to 100 °C.
- <sup>f</sup> See 40 CFR 302.6(b)(1) for application of the mixture rule to this hazardous waste.

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APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA 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-[[[(aminocarbonyloxy)methyl]-1,1a,2,8,8a, 8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha, 8beta,8aalp,8balp)]- 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.
52686	Trichlorfon.
52857	Famphur. Phosphorothioic acid, O,[4-[(dimethyl- amino) sulfonyl]phenyl]O,O-dimethyl ester.
53703	Dibenz[a,h]anthracene. Dibenzo[a,h]anthracene. 1,2:5,6-Dibenzanthracene.
53963	Acetamide, N-9H-fluoren-2-yl-. 2-Acetylaminofluorene.
54115	Nicotine, & salts. Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-.
55185	Ethanamine, N-ethyl-N-nitroso-. N-Nitrosodiethylamine.
55630	Nitroglycerine. 1,2,3-Propanetriol, trinitrate.
55914	Diisopropylfluorophosphate. Phosphorofluoric acid, bis(1-methyl- ethyl) ester.
56042	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[ <i>j</i> ]aceanthrylene, 1,2-dihydro-3-methyl-3-Methylcholanthrene.
56531	Diethylstilbestrol. Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E).
56553	Benz[ <i>a</i> ]anthracene. Benzo[ <i>a</i> ]anthracene. 1,2-Benzanthracene.
56724	Coumaphos.
57125	Cyanides (soluble salts and complexes) not otherwise specified.
57147	Hydrazine, 1,1-dimethyl-. 1,1-Dimethylhydrazine.
57249	Strychnidin-10-one. Strychnine, & salts.

CASRN	Hazardous substance
57476	Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)- (Physostigmine).
57647	Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1) (Physostigmine salicylate).
57749	Chlordane. Chlordane, alpha & gamma isomers. CHLORDANE (TECHNICAL MIXTURE AND METABOLITES). 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-.
57976	1,2-Benzanthracene, 7,12-dimethyl-. 7,12-Dimethylbenz[ <i>a</i> ]anthracene.
58899	γ-BHC. Cyclohexane, 1,2,3,4,5,6-hexachloro (1α,2α,3β,4α,5α,6β)-. Hexachlorocyclohexane (gamma isomer). Lindane. Lindane (all isomers).
58902	Phenol, 2,3,4,6-tetrachloro-. 2,3,4,6-Tetrachlorophenol.
59507	p-Chloro-m-cresol. Phenol, 4-chloro-3-methyl-. 4-Chloro-m-cresol.
60004	Ethylenediamine-tetraacetic acid (EDTA).
60117	Benzenamine, N,N-dimethyl-4-(phenylazo)-. Dimethyl aminoazobenzene. p-Dimethylaminoazobenzene.
60297	Ethane, 1,1'-oxybis-. Ethyl ether.
60344	Hydrazine, methyl-. Methyl hydrazine.
60515	Dimethoate. Phosphorodithioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester.
60571	Dieldrin. 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2, 2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalp,3beta,6beta, 6aalp,7beta, 7aalp)-.
61825	Amitrole. 1H-1,2,4-Triazol-3-amine.
62384	Mercury, (acetato-O)phenyl-. Phenylmercury acetate.
62442	Acetamide, N-(4-ethoxyphenyl)-. Phenacetin.
62500	Ethyl methanesulfonate. Methanesulfonic acid, ethyl ester.
62533	Aniline. Benzenamine.
62555	Ethanethioamide. Thioacetamide.
62566	Thiourea.
62737	Dichlorvos.
62748	Acetic acid, fluoro-, sodium salt. Fluoroacetic acid, sodium salt.
62759	Methanamine, N-methyl-N-nitroso-. N-Nitrosodimethylamine.
63252	Carbaryl.
64006	Phenol, 3-(1-methylethyl)-, methyl carbamate (m-Cumenyl methylcarbamate).
64186	Formic acid.
64197	Acetic acid.
65850	Benzoic acid.
66751	Uracil mustard.

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

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

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

CASRN	Hazardous substance
75207	Calcium carbide.
75218	Ethylene oxide.
	Oxirane.
75252	Bromoform.
	Methane, tribromo-.
75274	Dichlorobromomethane.
75343	Ethane, 1,1-dichloro-.
	Ethylidene dichloride.
	1,1-Dichloroethane.
75354	Ethene, 1,1-dichloro-.
	Vinylidene chloride.
	1,1-Dichloroethylene.
75365	Acetyl chloride.
75445	Carbonic dichloride.
	Phosgene.
75503	Trimethylamine.
75558	Aziridine, 2-methyl-.
	2-Methyl aziridine.
	1,2-Propylenimine.
75569	Propylene oxide.
75605	Arsinic acid, dimethyl-.
	Cacodylic acid.
75649	tert-Butylamine.
75694	Methane, trichlorofluoro-.
	Trichloromonofluoromethane.
75718	Dichlorodifluoromethane.
	Methane, dichlorodifluoro-.
75865	Acetone cyanohydrin.
	Propanenitrile, 2-hydroxy-2-methyl-.
	2-Methylacetonitrile.
75876	Acetaldehyde, trichloro-.
	Chloral.
75990	2,2-Dichloropropionic acid.
76017	Ethane, pentachloro-.
	Pentachloroethane.
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-.
	Tetraethyl lead.
78591	Isophorone.
78795	Isoprene.
78819	iso-Butylamine.
78831	Isobutyl alcohol.
	1-Propanol, 2-methyl-.
78875	Propane, 1,2-dichloro-.
	Propylene dichloride.
	1,2-Dichloropropane.
78886	2,3-Dichloropropene.
78933	2-Butanone.
	MEK.
	Methyl ethyl ketone.
78999	1,1-Dichloropropane.
79005	Ethane, 1,1,2-trichloro-.
	1,1,2-Trichloroethane.
79016	Ethene, trichloro-.
	Trichloroethene.
	Trichloroethylene-.
79061	Acrylamide.
	2-Propenamide.
79094	Propionic acid.
79107	Acrylic acid.
	2-Propenoic acid.
79196	Hydrazinecarbothioamide.
	Thiosemicarbazide.
79221	Carbonochloridic acid, methyl ester.

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

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

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

CASRN	Hazardous substance
	[1,1'-Biphenyl]-4,4'-diamine.
93721	Propionic acid, 2-(2,4,5-trichlorophenoxy)-.
	Silvex (2,4,5-TP).
	2,4,5-TP acid.
93765	Acetic acid, (2,4,5-trichlorophenoxy).
	2,4,5-T.
	2,4,5-T acid.
93798	2,4,5-T esters.
94111	2,4-D Ester.
94586	Dihydrosafrole.
	1,3-Benzodioxole, 5-propyl-.
94597	Safrole.
	1,3-Benzodioxole, 5-(2-propenyl)-.
94757	Acetic acid (2,4-dichlorophenoxy)-, salts & esters.
	2,4-D Acid.
	2,4-D, salts and esters.
94791	2,4-D Ester.
94804	2,4-D Ester.
95476	o-Benzene, dimethyl.
	o-Xylene.
95487	o-Cresol.
	o-Cresylic acid.
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.
96128	Propane, 1,2-dibromo-3-chloro-.
	1,2-Dibromo-3-chloropropane.
96184	1,2,3-Trichloropropane.
96457	Ethylenethiourea.
	2-Imidazolidinethione.
97632	Ethyl methacrylate.
	2-Propenoic acid, 2-methyl-, ethyl ester.
98011	Furfural.
	2-Furancarboxaldehyde.
98077	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-.
	Nitrobenzene.
99081	m-Nitrotoluene.
99354	Benzene, 1,3,5-trinitro-.
	1,3,5-Trinitrobenzene.
99558	Benzenamine, 2-methyl-5-nitro-.
	5-Nitro-o-toluidine.
99650	m-Dinitrobenzene.
99990	p-Nitrotoluene.
100016	Benzenamine, 4-nitro-.
	p-Nitroaniline.
100027	p-Nitrophenol.



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

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

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

CASRN	Hazardous substance
108247	Acetic anhydride.
108316	Maleic anhydride.
	2,5-Furandione.
108383	m-Benzene, dimethyl.
	m-Xylene.
108394	m-Cresol.
	m-Cresylic acid.
108463	Resorcinol.
	1,3-Benzenediol.
108601	Dichloroisopropyl ether.
	Propane, 2,2''-oxybis[2-chloro-.
108883	Benzene, methyl-.
	Toluene.
108907	Benzene, chloro-.
	Chlorobenzene.
108941	Cyclohexanone.
108952	Benzene, hydroxy-.
	Phenol.
108985	Benzenethiol.
	Thiophenol.
109068	Pyridine, 2-methyl-.
	2-Picoline.
109739	Butylamine.
109773	Malononitrile.
	Propanedinitrile.
109897	Diethylamine.
109999	Furan, tetrahydro-.
	Tetrahydrofuran.
110009	Furan.
	Furfuran.
110167	Maleic acid.
110178	Fumaric acid.
110190	iso-Butyl acetate.
110758	Ethene, 2-chloroethoxy-.
	2-Chloroethyl vinyl ether.
110805	Ethanol, 2-ethoxy-.
	Ethylene glycol monoethyl ether.
110827	Benzene, hexahydro-.
	Cyclohexane.
110861	Pyridine.
111444	Bis (2-chloroethyl) ether.
	Dichloroethyl ether.
	Ethane, 1,1'-oxybis[2-chloro-.
111546	Carbamodithioic acid, 1,2-ethanediybis, salts & esters.
	Ethylenedisithiocarbamic acid, salts & esters.
111911	Bis(2-chloroethoxy) methane.
	Dichloromethoxy ethane.
115026	Ethane, 1,1'-[methylenebis(oxy)]bis(2-chloro-.
	Azaserine.
115297	L-Serine, diazoacetate (ester).
	Endosulfan.
	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a- hexahydro-, 3-oxide.
115322	Dicofol.
116063	Aldicarb.
	Propanal, 2-methyl-2-(methylthio)-, 0- [(methylamino)carbonyl]oxime.
117806	Dichlone.
117817	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester.
	Bis(2-ethylhexyl)phthalate.
	DEHP.
	Diethylhexyl phthalate.
117840	Di-n-octyl phthalate.
	1,2-Benzenedicarboxylic acid, dioctyl ester.
118741	Benzene, hexachloro-.
	Hexachlorobenzene.

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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
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.
120821	1,3-Benzodioxole, 5-(1-propenyl)-.
120832	1,2,4-Trichlorobenzene.
121142	Phenol, 2,4-dichloro-, 2,4-Dichlorophenol.
121211	Benzene, 1-methyl-2,4-dinitro-, 2,4-Dinitrotoluene.
121299	Pyrethrins.
121448	Pyrethrins.
121755	Triethylamine.
122098	Malathion.
122394	alpha, alpha-Dimethylphenethylamine.
122429	Benzeneethanamine, alpha, alpha-dimethyl-, Diphenylamine.
122667	Carbamic acid, phenyl-, 1-methylethyl ester (Propham).
123331	Hydrazine, 1,2-diphenyl-, 1,2-Diphenylhydrazine.
123626	Maleic hydrazide.
123637	3,6-Pyridazinedione, 1,2-dihydro-, Propionic anhydride.
123739	Paraldehyde.
123864	1,3,5-Trioxane, 2,4,6-trimethyl-, Crotonaldehyde.
123911	2-Butenal.
123922	Butyl acetate.
124049	1,4-Diethyleneoxide.
124403	1,4-Diethylenedioxiide.
124414	1,4-Dioxane.
124481	iso-Amyl acetate.
126727	Adipic acid.
126987	Dimethylamine.
126998	Methanamine, N-methyl-, Sodium methylate.
127184	Chlorodibromomethane.
127822	Tris(2,3-dibromopropyl) phosphate.
129000	1-Propanol, 2,3-dibromo-, phosphate (3:1).
130154	Methacrylonitrile.
131113	2-Propenenitrile, 2-methyl-, 2-Chloro-1,3-butadiene.
131748	Ethene, tetrachloro-, Perchloroethylene.
131895	Tetrachloroethene.
133062	Tetrachloroethylene.
134327	Zinc phenolsulfonate.
137268	Pyrene.
137304	1,4-Naphthalenedione.
140885	1,4-Naphthoquinone.
	Dimethyl phthalate.
	1,2-Benzenedicarboxylic acid, dimethyl ester.
	Ammonium picrate.
	Phenol, 2,4,6-trinitro-, ammonium salt.
	Phenol, 2-cyclohexyl-4,6-dinitro-, 2-Cyclohexyl-4,6-dinitrophenol.
	Captan.
	alpha-Naphthylamine.
	1-Naphthalenamine.
	Thioperoxydicarbonic diamide ((H2N)C(S))2S2, tetramethyl-, Thiram.
	Zinc, bis(dimethylcarbomodithioato-S,S')-, (Ziram).
	Ethyl acrylate.

CASRN	Hazardous substance
141786	2-Propenoic acid, ethyl ester.
142289	Acetic acid, ethyl ester.
142712	Ethyl acetate.
142847	1,3-Dichloropropane.
143339	Cupric acetate.
143500	Dipropylamine.
145733	1-Propanamine, N-propyl-, Sodium cyanide.
148823	Sodium cyanide Na(CN).
151508	Kepone.
151564	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-, Endothall.
152169	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid.
156605	L-Phenylalanine, 4-[bis(2-chloroethyl) amino].
189559	Melphalan.
191242	Potassium cyanide.
193395	Potassium cyanide K(CN).
205992	Aziridine.
206440	Ethyleneimine.
207089	Diphosphoramidate, octamethyl-, Octamethylpyrophosphoramidate.
208968	Ethene, 1,2-dichloro- (E).
218019	1,2-Dichloroethylene.
225514	Benzo [rst]pentaphene.
297972	Dibenz[a,i]pyrene.
298000	Benzo[ghi]perylene.
298022	Indeno(1,2,3-cd)pyrene.
298044	1,10-(1,2-Phenylene)pyrene.
300765	Benzo[b]fluoranthene.
301042	Benzo[j,k]fluorene.
302012	Fluoranthene.
303344	Benzo(k)fluoranthene.
305033	Acenaphthylene.
309002	Chrysene.
311455	1,2-Benzphenanthrene.
	Benz[c]acridine.
	O,O-Diethyl O-pyrazinyl phosphorothioate.
	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester.
	Methyl parathion.
	Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester.
	Phorate.
	Phosphorodithioic acid, O,O-diethyl S-(ethylthio), methyl ester.
	Disulfoton.
	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester.
	Naled.
	Acetic acid, lead(2+) salt.
	Lead acetate.
	Hydrazine.
	Lasiocarpine.
	2-Butenoic acid, 2-methyl-, 7[[2,3-dihydroxy-2-(1-methoxyethyl)-3-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7(2S*,3R*),7aalpha]]-.
	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-.
	Chlorambucil.
	Aldrin.
	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1, 4,4a,5,8,8a-hexahydro-(1alpha,4 alpha,4beta,5alpha,8alpha,8beta)-.
	Diethyl-p-nitrophenyl phosphate.

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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
	Phosphoric acid, diethyl 4-nitrophenyl ester.
315184	Mexacarbate.
319846	alpha—BHC.
319857	beta—BHC.
319868	delta—BHC.
329715	2,5-Dinitrophenol.
330541	Diuron.
333415	Diazinon.
353504	Carbon oxyfluoride.
	Carbonic difluoride.
357573	Brucine.
	Strychnidin-10-one, 2,3-dimethoxy-.
460195	Cyanogen.
	Ethanedinitrile.
465736	Isodrin.
	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro (1alpha,4alpha,4abeta,5beta,8beta,8abeta)-.
492808	Auramine.
	Benzenamine, 4,4'-carbonimidoylbis (N,N-dimethyl(N,N-D,methyl)-).
494031	Chlornaphazine.
	Naphthalenamine, N,N'-bis(2-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.
506649	Silver cyanide.
	Silver cyanide Ag(CN).
506683	Cyanogen bromide.
	Cyanogen bromide (CN)Br.
506774	Cyanogen chloride.
	Cyanogen chloride (CN)Cl.
506876	Ammonium carbonate.
506967	Acetyl bromide.
509148	Methane, tetranitro-.
	Tetranitromethane.
510156	Benzenoacetic acid, 4-chloro- $\alpha$ -chlorophenyl)- $\alpha$ -hydroxy-, ethyl ester. Chlorobenzilate. (4-
513495	sec-Butylamine.
528290	o-Dinitrobenzene.
534521	4,6-Dinitro-o-cresol, and salts.
	Phenol, 2-methyl-4,6-dinitro-, & salts.
540738	Hydrazine, 1,2-dimethyl-.
	1,2-Dimethylhydrazine.
540885	tert-Butyl acetate.
541093	Uranyl acetate.
541537	Dithiobiuret.
	Thioimidodicarbonic diamide [(H2N)C(S)2]2NH.
541731	Benzene, 1,3-dichloro-.
	m-Dichlorobenzene.
	1,3-Dichlorobenzene.
542621	Barium cyanide.
542756	1-Propene, 1,3-dichloro-.
	1,3-Dichloropropene.
542767	Propanenitrile, 3-chloro-.
	3-Chloropropionitrile.
542881	Bis(chloromethyl)ether.
	Dichloromethyl ether.
	Methane, oxybis(chloro)-.
543908	Cadmium acetate.
544183	Cobaltous formate.

CASRN	Hazardous substance
544923	Copper cyanide CuCN.
	Copper cyanide.
554847	m-Nitrophenol.
557197	Nickel cyanide.
	Nickel cyanide Ni(CN)2.
557211	Zinc cyanide.
	Zinc cyanide Zn(CN)2.
557346	Zinc acetate.
557415	Zinc formate.
563122	Ethion.
563688	Acetic acid, thallium(1+) salt.
	Thallium(I) acetate.
573568	2,6-Dinitrophenol.
584849	Benzene, 1,3-diisocyanatomethyl-.
	Toluene diisocyanate.
	2,4-Toluene diisocyanate.
591082	Acetamide, N-(aminothioxomethyl)-.
	1-Acetyl-2-thiourea.
592018	Calcium cyanide.
	Calcium cyanide Ca(CN)2.
592041	Mercuric cyanide.
592858	Mercuric thiocyanate.
592870	Lead thiocyanate.
594423	Methanesulfonyl chloride, trichloro-.
	Trichloromethanesulfonyl chloride.
598312	Bromoacetone.
	2-Propanone, 1-bromo-.
606202	Benzene, 1-methyl-1,3-dinitro-.
	2,6-Dinitrotoluene.
608731	HEXACHLOROCYCLOHEXANE (all isomers).
608935	Benzene, pentachloro-.
	Pentachlorobenzene.
609198	3,4,5-Trichlorophenol.
610399	3,4-Dinitrotoluene.
615532	Carbamic acid, methylnitroso-, ethyl ester.
	N-Nitroso-N-methylurethane.
616239	n-,2,3 Dichloropropanol.
621647	Di-n-propylnitrosamine.
	1-Propanamine, N-nitroso-N-propyl-.
624839	Methane, isocyanato-.
	Methyl isocyanate.
625161	tert-Amyl acetate.
626380	sec-Amyl acetate.
628637	Amyl acetate.
628864	Fulminic acid, mercury(2+)salt.
	Mercury fulminate.
630104	Selenourea.
630206	Ethane, 1,1,1,2-tetrachloro-.
	1,1,1,2-Tetrachloroethane.
631618	Ammonium acetate.
636215	Benzenamine, 2-methyl-, hydrochloride.
	o-Toluidine hydrochloride.
640197	Acetamide, 2-fluoro-.
	Fluoroacetamide.
644644	Carbamic acid, dimethyl-, 1-[[dimethylamino]carbonyl]-5-methyl-1H-pyrazol-3-yl ester (Dimetilan).
684935	N-Nitroso-N-methylurea.
	Urea, N-methyl-N-nitroso.
692422	Arsine, diethyl-.
	Diethylarsine.
696286	Arsonous dichloride, phenyl-.
	Dichlorophenylarsine.
757584	Hexaethyl tetraphosphate.
	Tetraphosphoric acid, hexaethyl ester.
759739	N-Nitroso-N-ethylurea.
	Urea, N-ethyl-N-nitroso-.
764410	1,4-Dichloro-2-butene.
	2-Butene, 1,4-dichloro-.
765344	Glycidylaldehyde.

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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
	Oxiranecarboxyaldehyde.
815827	Cupric tartrate.
823405	Benzenediamine, ar-methyl- Toluenediamine.
	2,4-Toluene diamine.
924163	N-Nitrosodi-n-butylamine.
	1-Butanamine, N-butyl-N-nitroso-.
930552	N-Nitrosopyrrolidine.
	Pyrrolidine, 1-nitroso-.
933755	2,3,6-Trichlorophenol.
933788	2,3,5-Trichlorophenol.
959988	alpha-Endosulfan.
1024573	Heptachlor epoxide.
1031078	Endosulfan sulfate.
1066304	Chromic acetate.
1066337	Ammonium bicarbonate.
1072351	Lead stearate.
1111780	Ammonium carbamate.
1116547	Ethanol, 2,2'-(nitrosoimino)bis- N-Nitrosodiethanolamine.
1120714	1,2-Oxathiolane, 2,2-dioxide. 1,3-Propane sultone.
1129415	Carbamic acid, methyl-, 3-methylphenyl ester (Metolcarb).
1185575	Ferric ammonium citrate.
1194656	Dichlobenil.
1300716	Xylenol.
1303282	Arsenic oxide As2O5. Arsenic pentoxide.
1303328	Arsenic disulfide.
1303339	Arsenic trisulfide.
1309644	Antimony trioxide.
1310583	Potassium hydroxide.
1310732	Sodium hydroxide.
1314325	Thallic oxide. Thallium oxide Tl2O3.
1314621	Vanadium oxide V2O5. Vanadium pentoxide.
1314803	Phosphorus pentasulfide. Phosphorus sulfide. Sulfur phosphide.
1314847	Zinc phosphide. Zinc phosphide Zn3P2, when present at concentrations greater than 10%.
1314870	Lead sulfide.
1319728	2,4,5-T amines.
1319773	Cresol(s). Cresylic acid. Phenol, methyl-.
1320189	2,4-D Ester.
1321126	Nitrotoluene.
1327522	Arsenic acid. Arsenic acid H3AsO4.
1327533	Arsenic oxide As2O3. Arsenic trioxide.
1330207	Benzene, dimethyl. Xylene (mixed).
1332076	Zinc borate.
1332214	Asbestos.
1333831	Sodium bifluoride.
1335326	Lead subacetate. Lead, bis(acetato-O)tetrahydroxytri.
1336216	Ammonium hydroxide.
1336363	Aroclors. PCBs. POLYCHLORINATED BIPHENYLS.
1338234	Methyl ethyl ketone peroxide. 2-Butanone peroxide.
1338245	Naphthenic acid.
1341497	Ammonium bifluoride.

CASRN	Hazardous substance
1464535	1,2:3,4-Diepoxybutane.
	2,2'-Bioxirane.
1563388	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl- (Carbofuran phenol).
1563662	Carbofuran.
1615801	Hydrazine, 1,2-diethyl- N,N'-Diethylhydrazine.
1646884	Propanal, 2-methyl-2-(methylsulfonyl)-, O- [(methylamino)carbonyl] oxime (Aldicarb sulfone).
1746016	TCDD. 2,3,7,8-Tetrachlorodibenzo-p-dioxin.
1762954	Ammonium thiocyanate.
1863634	Ammonium benzoate.
1888717	Hexachloropropene. 1-Propene, 1,1,2,3,3,3-hexachloro-.
1918009	Dicamba.
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.
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	Muscimol. 3(2H)-Isoxazolone, 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.
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.
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.

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

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CASRN	Hazardous substance
7439921	Lead.
7439976	Mercury.
7440020	Nickel.
7440224	Silver.
7440235	Sodium.
7440280	Thallium.
7440360	Antimony.
7440382	Arsenic.
7440417	Beryllium powder.
7440439	Cadmium.
7440473	Chromium.
7440508	Copper.
7440666	Zinc.
7446084	Selenium dioxide.
	Selenium oxide.
7446142	Lead sulfate.
7446186	Sulfuric acid, dithallium(1+) salt.
	Thallium(I) sulfate.
7446277	Lead phosphate.
	Phosphoric acid, lead(2+) salt (2:3).
7447394	Cupric chloride.
7488564	Selenium sulfide.
	Selenium sulfide SeS2.
7558794	Sodium phosphate, dibasic.
7601549	Sodium phosphate, tribasic.
7631892	Sodium arsenate.
7631905	Sodium bisulfite.
7632000	Sodium nitrite.
7645252	Lead arsenate.
7646857	Zinc chloride.
7647010	Hydrochloric acid.
	Hydrogen chloride.
7647189	Antimony pentachloride.
7664382	Phosphoric acid.
7664393	Hydrofluoric acid.
	Hydrogen fluoride.
7664417	Ammonia.
7664939	Sulfuric acid.
7681494	Sodium fluoride.
7681529	Sodium hypochlorite.
7697372	Nitric acid.
7699458	Zinc bromide.
7705080	Ferric chloride.
7718549	Nickel chloride.
7719122	Phosphorus trichloride.
7720787	Ferrous sulfate.
7722647	Potassium permanganate.
7723140	Phosphorus.
7733020	Zinc sulfate.
7738945	Chromic acid.
7758294	Sodium phosphate, tribasic.
7758943	Ferrous chloride.
7758954	Lead chloride.
7758987	Cupric sulfate.
7761888	Silver nitrate.
7773060	Ammonium sulfamate.
7775113	Sodium chromate.
7778394	Arsenic acid.
	Arsenic acid H3AsO4.
7778441	Calcium arsenate.
7778509	Potassium bichromate.
7778543	Calcium hypochlorite.
7779864	Zinc hydrosulfite.
7779886	Zinc nitrate.
7782414	Fluorine.
7782492	Selenium.
7782505	Chlorine.
7782630	Ferrous sulfate.
7782823	Sodium selenite.
7782867	Mercurous nitrate.

CASRN	Hazardous substance
7783008	Selenious acid.
7783064	Hydrogen sulfide.
	Hydrogen sulfide H2S.
7783359	Mercuric sulfate.
7783462	Lead fluoride.
7783495	Zinc fluoride.
7783508	Ferric fluoride.
7783564	Antimony trifluoride.
7784341	Arsenic trichloride.
7784409	Lead arsenate.
7784410	Potassium arsenate.
7784465	Sodium arsenite.
7785844	Sodium phosphate, tribasic.
7786347	Meviphos.
7786814	Nickel sulfate.
7787475	Beryllium chloride.
7787497	Beryllium fluoride.
7787555	Beryllium nitrate.
7788989	Ammonium chromate.
7789006	Potassium chromate.
7789062	Strontium chromate.
7789095	Ammonium bichromate.
7789426	Cadmium bromide.
7789437	Cobaltous bromide.
7789619	Antimony tribromide.
7790945	Chlorosulfonic acid.
7791120	Thallium chloride TlCl.
	Thallium(I) chloride.
7803512	Hydrogen phosphide.
	Phosphine.
7803556	Ammonium vanadate.
	Vanadic acid, ammonium salt.
8001352	Camphene, octachloro-.
	Chlorinated camphene.
	Toxaphene.
8001589	Creosote.
8003198	Dichloropropane—Dichloropropene (mixture).
8003347	Pyrethrins.
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.
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.
10102440	Nitrogen dioxide.
	Nitrogen oxide NO2.
10102451	Nitric acid, thallium(1+) salt.
	Thallium(I) nitrate.
10102484	Lead arsenate.
10108642	Cadmium chloride.
10124502	Potassium arsenite.
10124568	Sodium phosphate, tribasic.
10140655	Sodium phosphate, dibasic.
10192300	Ammonium bisulfite.
10196040	Ammonium sulfite.

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

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

CASRN	Hazardous substance
16871719	Zinc silicofluoride.
16919190	Ammonium silicofluoride.
16923958	Zirconium potassium fluoride.
17702577	Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[[(methylamino)carbonyl]oxy]phenyl]- (Formparanate).
17804352	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl, methyl ester (Benomyl).
18883664	D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)carbonyl]amino]-, 2-deoxy-2-(3-methyl-3-nitrosoureido)-. Streptozotocin.
20816120	Osmium oxide OsO4 (T-4). Osmium tetroxide.
20830813	Daunomycin. 5,12-Naphthacenedione, 8-acetyl-10-[3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-.
20859738	Aluminum phosphide.
22781233	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate (Bendiocarb).
22961826	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, (Bendiocarb phenol).
23135220	Ethanimidothioic acid, 2-(dimethylamino)-N-[[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester (Oxamyl).
23422539	Methanimidamide, N,N-dimethyl-N'-[3-[[[(methylamino)carbonyl]oxy]phenyl]-, monohydrochloride (Formetanate hydrochloride).
23564058	Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester (Thiophanate-methyl).
23950585	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-. Pronamide.
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. Dinitrophenol. Calcium dodecylbenzenesulfonate.
25550587	1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[[[(methylamino)carbonyl]oxime (Tirpate).
26264062	Benzene, 1,3-diisocyanatomethyl-. Toluene diisocyanate. 2,4-Toluene diisocyanate.
26419738	Sodium azide. Dichloropropane. Dichloropropene. Dodecylbenzenesulfonic acid. Triethanolamine dodecylbenzene sulfonate.
26628228	Vanadyl sulfate.
26638197	Antimony potassium tartrate.
26952238	Paraformaldehyde.
27176870	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester (A2213).
27323417	2,4,5-TP esters.
27774136	beta - Endosulfan.
28300745	Uranyl nitrate.
30525894	
30558431	
32534955	
33213659	
36478769	

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

CASRN	Hazardous substance
37211055	Nickel chloride.
39196184	Thiofanox 2-Butanone, 3,3-dimethyl-1-(methylthio)-, O[(methylamino)carbonyl] oxime.
42504461	Isopropanolamine dodecylbenzenesulfonate.
52628258	Zinc ammonium chloride.
52652592	Lead stearate.
52740166	Calcium arsenite.
52888809	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester (Prosulfocarb).
53467111	2,4-D Ester.
53469219	Aroclor 1242 Aroclors. PCBs. POLYCHLORINATED BIPHENYLS.
55285148	Carbamic acid, [(dibutylamino)thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (Carbosulfan).
55488874	Ferric ammonium oxalate.
56189094	Lead stearate.
59669260	Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]bis-, di-methyl ester (Thiodicarb).
61792072	2,4,5-T esters.

**APPENDIX B TO § 302.4—RADIONUCLIDES**

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Radionuclides®		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)
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)

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

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

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

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



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

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Krypton-87	36	10 (3.7E 11)
Krypton-88	36	10 (3.7E 11)
Lanthanum-131	57	1000 (3.7E 13)
Lanthanum-132	57	100 (3.7E 12)
Lanthanum-135	57	1000 (3.7E 13)
Lanthanum-137	57	10 (3.7E 11)
Lanthanum-138	57	1 (3.7E 10)
Lanthanum-140	57	10 (3.7E 11)
Lanthanum-141	57	1000 (3.7E 13)
Lanthanum-142	57	100 (3.7E 12)
Lanthanum-143	57	1000 (3.7E 13)
Lead-195m	82	1000 (3.7E 13)
Lead-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)
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)

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Radionuclide	Atomic Number	Final RQ Ci (Bq)
Neptunium-232	93	1000 (3.7E 13)
Neptunium-233	93	1000 (3.7E 13)
Neptunium-234	93	10 (3.7E 11)
Neptunium-235	93	1000 (3.7E 13)
Neptunium-236 (1.2 E 5 yr)	93	0.1 (3.7E 9)
Neptunium-236 (22.5 hr)	93	100 (3.7E 12)
Neptunium-237	93	0.01 (3.7E 8)
Neptunium-238	93	10 (3.7E 11)
Neptunium-239	93	100 (3.7E 12)
Neptunium-240	93	100 (3.7E 12)
Nickel-56	28	10 (3.7E 11)
Nickel-57	28	10 (3.7E 11)
Nickel-59	28	100 (3.7E 12)
Nickel-63	28	100 (3.7E 12)
Nickel-65	28	100 (3.7E 12)
Nickel-66	28	10 (3.7E 11)
Niobium-88	41	100 (3.7E 12)
Niobium-89 (66 min)	41	100 (3.7E 12)
Niobium-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)
Plutonium-242	94	0.01 (3.7E 8)
Plutonium-243	94	1000 (3.7E 13)
Plutonium-244	94	0.01 (3.7E 8)
Plutonium-245	94	100 (3.7E 12)
Polonium-203	84	100 (3.7E 12)
Polonium-205	84	100 (3.7E 12)
Polonium-207	84	10 (3.7E 11)
Polonium-210	84	0.01 (3.7E 8)

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

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APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued

APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued

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

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

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APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued

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

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APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued

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

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

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

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

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

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

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

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

[54 FR 33449, Aug. 14, 1989]

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

**§ 302.5 Determination of reportable quantities.**

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

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

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

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

**§ 302.6 Notification requirements.**

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

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

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

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

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

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

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

Waste	Constituent	Max ppm
K169	Benzene .....	220.0
	K170 Benzene .....	1.2
K170	Benzo (a) pyrene .....	230.0
	Dibenz (a,h) anthracene .....	49.0
	Benzo (a) anthracene .....	390.0
	Benzo (b) fluoranthene .....	110.0
	Benzo (k) fluoranthene .....	110.0
	3-Methylcholanthrene .....	27.0
	7,12-Dimethylbenz (a) anthracene ....	1,200.0
K171	Benzene .....	500.0
	Arsenic .....	1,600.0
K172	Benzene .....	100.0
	Arsenic .....	730.0

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

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

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

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

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

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

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

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

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

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

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

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

### § 302.7 Penalties.

(a) Any person—

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

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

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

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

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

### § 302.8 Continuous releases.

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

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

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

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

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

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

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

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

- (1) Initial telephone notification;
- (2) Initial written notification within 30 days of the initial telephone notification;
- (3) Follow-up notification within 30 days of the first anniversary date of the initial written notification;
- (4) Notification of a change in the composition or source(s) of the release or in the other information submitted in the initial written notification of the release under paragraph (c)(2) of this section or the follow-up notification under paragraph (c)(3) of this section; and
- (5) Notification at such times as an increase in the quantity of the hazardous substance being released during any 24-hour period represents a statistically significant increase as defined in paragraph (b) of this section.

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

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

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

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

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

- (i) The name and location of the facility or vessel; and
- (ii) The name(s) and identity(ies) of the hazardous substance(s) being released.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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