of this Commission decision is available for inspection and copying during normal business hours in the FCC Dockets Branch (room 230), 1919 M Street, NW., Washington, DC. The complete text of this decision may also be purchased from the Commission's copy contractor, International Transcription Service, (202) 857-3800, 2100 M Street NW., suite 140, Washington, DC 20037.

List of Subjects in 47 CFR Part 73

Radio broadcasting.

PART 73—[AMENDED]

1. The authority citation for part 73 continues to read as follows:

Authority: 47 U.S.C. 154, 303.

§ 73.202 [Amended]

2. Section 73.202(b), the FM Table of Allotments under Oregon, is amended by adding Channel 224C3 at Newport.

Federal Communications Commission.

Kathleen B. Levitz,

Deputy Chief, Policy and Rules Division, Mass Media Bureau.

[FR Doc. 90-26335 Filed 11-6-90; 8:45 am]

BILLING CODE 6712-01-M

---

47 CFR Part 73

[MM Docket No. 90-33; RM-7080]

Radio Broadcasting Services; Marion, SC

AGENCY: Federal Communications Commission.

ACTION: Final rule.

SUMMARY: The Commission, at the request of John W. Pittman, substitutes Channel 263C3 for Channel 263A at Marion, South Carolina, and modifies his construction permit for Station WQTI-FM to specify operation on the higher powered channel. See 55 FR 4886, February 12, 1990. Channel 263C3 can be allotted to Marion in compliance with the Commission's minimum distance separation requirements with a site restriction of 21 kilometers (13.1 miles) northwest to avoid a short-spacing to the requested allotments of Channel 265C2 at Fairmont, North Carolina, and Channel 264A at Andrews, South Carolina. See 55 FR 4885, February 12, 1990. The coordinates for Channel 263C3 at Marion are North Latitude 34-19-23 and West Longitude 79-52-32. With this action, this proceeding is terminated.

EFFECTIVE DATE: December 17, 1990.

FOR FURTHER INFORMATION CONTACT: Leslie K. Shapiro, Mass Media Bureau, (202) 634-6530.

SUPPLEMENTARY INFORMATION: This is a synopsis of the Commission's Report and Order, MM Docket No. 90-33, adopted September 28, 1990, and released November 2, 1990. The full text of this Commission decision is available for inspection and copying during normal business hours in the FCC Dockets Branch (room 230), 1919 M Street, NW., Washington, DC. The complete text of this decision may also be purchased from the Commission's copy contractor, International Transcription Service, (202) 857-3800, 2100 M Street, NW., suite 140, Washington, DC 20037.

List of Subjects in 47 CFR Part 73

Radio broadcasting.

PART 73—[AMENDED]

1. The authority citation for part 73 continues to read as follows:

Authority: 47 U.S.C. 154, 303.

§ 73.202 [Amended]

2. Section 73.202(b), the Table of FM Allotments under South Carolina, is amended by removing Channel 263A and adding Channel 263C3 at Marion.

Federal Communications Commission.

Kathleen B. Levitz,

Deputy Chief, Policy and Rules Division, Mass Media Bureau.

[FR Doc. 90-26336 Filed 11-6-90; 8:45 am]

BILLING CODE 6712-01-M

DEPARTMENT OF TRANSPORTATION

Research and Special Programs Administration

49 CFR Parts 171 and 172

[Docket No. HM-145I; Amdt Nos. 171-110, 172-122]

RIN 2137-AA68

Hazardous Substances

AGENCY: Research and Special Programs Administration (RSPA), Department of Transportation (DOT).

ACTION: Final rule.

SUMMARY: In this final rule, RSPA is amending the Hazardous Materials Regulations (HMR; 49 CFR parts 171-180) by revising the "List of Hazardous Substances and Reportable Quantities" which appears in the appendix to 49 CFR 172.101. This action is necessary to comply with a 1986 amendment (Pub. L. 99-499) to section 306(a) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980 (Pub. L. 96-510) mandating that RSPA regulate, under the HMR, all Environmental Protection Agency (EPA)-designated hazardous substances. The intended effect of this action is to enable shippers and carriers to identify CERCLA hazardous substances and thereby enable them to comply with all applicable HMR requirements and to make the required notifications if a discharge of a hazardous substance occurs. No notice of proposed rulemaking has preceded this final rule because, in light of RSPA's lack of discretion concerning the regulation of hazardous substances under the HMR, RSPA has determined under the Administrative Procedure Act, 5 U.S.C. 553(b)(3)(B), that such notice would serve no purpose and thus was unnecessary.

EFFECTIVE DATE: This amendment is effective December 31, 1990. However, immediate compliance with the regulations as amended herein is authorized. Because of the CERCLA mandate that RSPA regulate all EPA-designated hazardous substances under the HMR, RSPA has no discretion concerning which hazardous substances (or what quantities of them) to regulate under the HMR. Therefore, the provisions of 49 CFR 172.101(j), which allow up to one year after a change to the Hazardous Materials Table (HMT) to use up stocks of preprinted shipping papers and to ship packages that were marked prior to the change, do not apply to these amendments.

FOR FURTHER INFORMATION CONTACT: John A. Gale (202) 366-4488, Standards Division, or George Cushmac (202) 366-4545, Technical Division, Office of Hazardous Materials Transportation, RSPA, 400 7th Street, SW., Washington, DC 20590. Questions about hazardous substance designations or reportable quantities should be directed to the EPA. Call the RCRA/Superfund hotline at (800) 424-9346 or in Washington, DC (202) 382-3000.

SUPPLEMENTARY INFORMATION:

I. Background

Section 202 of the Superfund Amendments and Reauthorization Act (SARA; Pub. L. 99-499) of 1986 amended section 306(a) of CERCLA by requiring the Secretary of Transportation to list and regulate hazardous substances, listed or designated under section 101(14) of CERCLA, as hazardous materials under the Hazardous Materials Transportation Act (HMTA; 49 App. U.S.C. 1801 *et seq.*). RSPA carries out the rulemaking responsibilities of the Secretary of Transportation under the HMTA (49 CFR 1.53(b)). This final rule is necessary

to comply with section 306(a) of CERCLA as it is amended by section 202 of SARA.

In carrying out that statutory mandate, RSPA has no discretion to change the substances (or the quantities of them) designated by EPA. RSPA's role in regulating hazardous substances is directly tied to EPA's ongoing hazardous substances responsibility. RSPA has no role in determining what is or is not a hazardous substance or the appropriate reportable quantity (RQ) for materials designated as hazardous substances. This authority is vested in EPA. Therefore, under the CERCLA scheme EPA must issue final rules amending the list of CERCLA hazardous substances. In the preamble to the final rule on this subject issued under Docket HM-145F (51 FR 42174; November 21, 1986), RSPA included the following statement:

> It is RSPA's intention to make changes from time to time to the list of hazardous substances or their RQs in the Appendix as adjustments are made by EPA.

This document adjusts the "List of Hazardous Substances and Reportable Quantities", which appears in the appendix to § 172.101, based on seven final rules EPA has published since August 14, 1989. On August 14, 1989, EPA published a final rule in the **Federal Register** (54 FR 33426) which revised the reportable quantities of several hundred hazardous substances. In addition to the reportable quantity changes, however, EPA revised the names of numerous hazardous substances and added many new synonyms to the existing list of hazardous substances. On August 21, 1989, RSPA published a final rule under Docket HM-145G (54 FR 34666) which incorporated into the HMR the reportable quantity revisions that were promulgated under EPA's final rule. However, Docket HM-145G did not incorporate into the HMR those name changes or synonym additions that were also part of the EPA final rule of August 14, 1989. This rule dopts those name changes and synonym additions to the list of hazardous substances EPA promulgated under the final rule of August 14, 1989. On December 27, 1989, EPA published a technical correction (54 FR 53057) to its August 14, 1989, final rule which identifies and explains the reasons for those name changes and synonym additions.

EPA has published six additional rules which affect the "List of Hazardous Substances and Reportable Quantities". On October 6, 1989, EPA published a final rule (54 FR 41402) which added the waste streams K131 and K132 with RQ's of 100 and 1000 pounds, respectively. On December 11, 1989, EPA published a final rule (54 FR 50968) which added the waste stream F025 with an RQ of 1 pound. On February 14, 1990, EPA published a final rule (55 FR 5340) which revised the description for the waste stream F019. On March 29, 1990, EPA published a final rule (55 FR 11798) which added 26 new hazardous substances, D018–D043, and revised the name of "EP Toxicity" to read "Toxicity". On May 4, 1990, EPA published a final rule which added the waste streams K007, K008, K009 and K010 with RQ's of 1 pound each. Finally, on June 1, 1990, EPA published a final rule which added the waste stream F039 with an RQ of 1 pound.

To keep its "List of Hazardous Substances and Reportable Quantities" consistent with EPA's list of CERCLA hazardous substances and reportable quantities, RSPA is amending the HMR in accordance with the EPA final rules mentioned aboved. In addition, RSPA is making several non-substantive changes to its "List of Hazardous Substances and Reportable Quantities". The RQ for "Diethylamine" is corrected to read 1000 pounds. The RQ had been incorrectly listed at 100 pounds. The asterisk signifying that a material is a proper shipping name, which appeared with "Hexachlorobutadiene", is removed because "Hexachlorobutadiene" is not a proper shipping name. The entries "Copper chloride @" and "Phenyl dichloroarsine @" are added as synonyms for "Cupric chloride", and "Arsonous dichloride, phenyl-", respectively. The footnote "@" signifies that the entry is added by RSPA because it is a synonym for a listed hazardous substance and appears in the Hazardous Materials Table as a proper shipping name. The hazardous substance "Hydrogen chloride", which had been inadvertently left off previous lists of hazardous substances, is added with a reportable quantity of 5000 pounds. The term "EP Toxicity" is removed from the HMR and is replaced with the term "Toxicity". Finally, RSPA is rearranging its "List of Hazardous Substances and Reportable Quantities" by listing the characteristic wastes (*i.e.*, EPA hazardous wastes D001–D043) after the specific chemicals and before the "F" listed hazardous wastes.

This rulemaking will enable shippers and carriers to identify CERCLA hazardous substances and thereby enable them to comply with all applicable HMR requirements and to make the required notifications if a discharge of a hazardous substance occurs. In addition to the reporting requirements of the HMR found in §§ 171.15 and 171.16, a discharge of a hazardous substance is subject to the reporting requirements of EPA which are found in 40 CFR 302.6.

The regulatory action in this final rule is mandated by statute, and for this reason, RSPA is not affording persons affected by this rule the relief ordinarily afforded by § 172.101(j) which allows up to one year after a change to the HMT to use up stocks of preprinted shipping papers and to ship packages that were marked prior to the change unless specifically stated otherwise in an amendment or the "**EFFECTIVE DATE**" entry of its preamble.

Because this rulemaking makes numerous modifications to the "List of Hazardous Substances and Reportable Quantities" found in the appendix to § 172.101, RSPA is reprinting it in its entirety. The following listings identify those hazardous substances addressed in this final rule:

A. Hazardous Substances for Which New Synonyms Have Been Added

Name	New synonym
Aldrin	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-10-hexachloro-1,4,4a,5,8,8a-hexahydro, (1alpha, 4alpha, 4abeta, 5alpha, 8alpha, 8abeta)-.
5-(Aminomethyl)-3-isoxazolol.	Muscimol.
Arsenic acid	Arsenic acid H3As04.
1,2-Benzenedicarboxylic acid, [bis(2-ethyl-hexyl)]ester.	Diethylhexyl phthalate.
Benzene, dimethyl	Benzene, dimethyl.
m-	m-Xylene.
o-	o-Xylene.
p-	p-Xylene.
Bis(2-chloroethoxy) methane.	Dichloromethoxy ethane.
Calcium cyanide	Calcium cyanide Ca(CN)2.
Carbonochloridic acid, methyl ester.	Methyl chloroformate.
Chlordane, technical	Chlordane, alpha & gamma isomers.
Cresylic acid	Phenol, methyl-.
Copper cyanide	Copper cyanide CuCN.
Cyanogen	Ethanedinitrile.
1,2-Dichloropropane	Propane, 1,2-dichloro-.
Endrin	Endrin, & metabolites.
gamma-BHC	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha, 2alpha, 3beta, 4alpha, 5alpha, 6beta)-.
Hydrochloric acid	Hydrogen chloride.
Hydrogen sulfide	Hydrogen sulfide H2S.
Lasiocarpine	2-Butenoic acid, 2-methyl-, 7[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7(2S*, 3R*),7aalpha]]-.
Lead subacetate	Lead, bis(acetato-0-)tetra hydroxytri.
Methyl chloroform	Ethane, 1,1,1-trichloro-.
Nickel carbonyl	Nickel carbonyl Ni(CO)4, (T-4)-.

Name	New synonym
Nickel cyanide	Nickel cyanide Ni (CN)2.
Phenyl dichloroarsine	Arsonous dichloride, phenyl-
Potassium cyanide	Potassium cyanide K(CN).
Potassium silver cyanide.	Argentate(1-), bis(cyano-C)-, potassium.
2,4-D, salts and esters.	Acetic acid (2,4-dichlorophenoxy)-.
Selenium disulfide	Selenium sulfide SeS2.
Silver cyanide	Silver cyanide Ag(CN).
Sodium cyanide	Sodium cyanide Na(CN).
Streptozotocin	D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-.
Thallium(I) chloride	Thallium chloride T1C1.
Thallium(I) nitrate	Nitric acid, thallium(1+) salt.
Trichloroethene	Ethene, trichloro-.
Vinyl acetate	Vinyl acetate monomer.
Zinc cyanide	Zinc cyanide Zn(CN)2.
Zinc phosphide	Zinc phosphide Zn3P2, when present at concentrations greater than 10 percent.

B. Hazardous Substances Whose Names Have Changed

Previous name	New name
Acetic acid, lead salt	Acetic acid, lead (2+) salt.
Acetic acid, thallium(1) salt.	Acetic acid, thallium(1+) salt.
Acetimidic acid, N-[[(methylcarbamoyl)-oxy]thio-methyl ester.	Ethanimidiothioic acid, N-[[(methylamino)carbonyl]oxy]-,methyl ester.
Alanine, 3[p-bis(2-chloroethyl)amino]pheny-, L-.	L-Phenylalanine, 4-[bis(2-chloroethyl)aminol].
3 (alpha-Acetonyl-benzyl)-4-hydroxycoumarin and salts.	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3 percent.
2-Amino-1-methyl benzene.	Benzenamine, 2-methyl-.
4-Amino-1-methyl benzene.	Benzenamine, 4-methyl-
Arsenic(III) oxide	Arsenic oxide As203.
Arsenic(V) oxide	Arsenic oxide As205.
Azirino(2'3':3,4)pyrrolo(1,2-a)indole-4,7-dione,6-amino-8-[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-	Azirino(2'3':3,4)pyrrolo[1,2-a] indole-4,7-dione, 6-amino-8-[[(aminocarbonyl)oxy] methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha, 8beta, 8aalpha, 8balpha)]-.
1,2 Benzanthracen, 7,12-dimethyl-.	Benz[a]anthracene, 7,12-dimethyl-.
1,2-Benzenedicarboxylic acid anhydride.	1,3-Isobenzofurandione.
1,2-Benzenedicarboxylic acid, di-n-octyl ester.	1,2-Benzenedicarboxylic acid, dioctyl ester.
Benzene,2,4-diisocyanatomethyl-	Benzene, 1,3-diisocyanatomethyl.
Benzene, 1-methyl-2,6-dinitro.	Benzene, 1-methyl-1,3-dinitro-.
Benzene, 1,2-methylene-dioxy-4-allyl-.	1,3-Benzodioxole, 5-(2-propenyl)-.
Benzene, 1,2-methylene-dioxy-4-propenyl-.	1,3-Benzodioxole, 5-(1-propenyl)-.
Benzene, 1,2-methylene-dioxy-4-propyl-.	1,3 Benzodioxole, 5-propyl-.
Benzene, trichloromethyl.	Benzene, (trichloromethyl).
1,2-Benzisothiazolin-3-one, 1,1-dioxide, and salts.	1,2-Benzisothiazol-3-(2H)-one, 1,1-dioxide.
Bis(2-chloroisopropyl) ether.	Propane, 2,2'-oxybis [2-chloro-.
Bis(chloromethyl)ether.	Dichloromethyl ether.
Bis(dimethylthiocarbamoyl)disulfide.	Thioperoxydicarbonic diamide [(H2N)C(S)]2S2, tetramethyl-.
Bromine cyanide	Cyanogen bromide (CN)Br.
Butanoic acid, 4-[bis(2-chloroethyl)amino] benzene.	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-
Carbamide, N-ethyl-N-nitroso-.	Urea, N-ethyl-N-nitroso-.
Carbamide, N-methyl-N-nitroso-.	Urea, N-methyl-N-nitroso-.
Carbamoyl chloride, dimethyl-.	Carbamic chloride, dimethyl-
Carbonic acid, dithallium(1) salt.	Carbonic acid, dithallium(1+) salt.
Carbonyl chloride	Carbonic dichloride.
Carbonyl fluoride	Carbonic difluoride.
Chromic acid, calcium salt.	Chromic acid H2Cr04, calcium salt.
Chlorine cyanide	Cyanogen chloride (CN)C1.
Cresol(s)	Cresol(s).
m-	m-Cresol.
o-	o-Cresol.
p-	p-Cresol.
Cyanides (soluble cyanide salts), not elsewhere specified.	Cyanides (soluble salts and complexes) not otherwise specified.
1,4-Cyclohexadiene-dione.	2,5-Cyclohexadiene-1,4-dione.
Decachloroctahydro-1,3,4-metheno-2H-cyclobuta[c,d]-pentalen-2-one.	1,3,4-Metheno-2H-cyclobutal [cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachloroc-tahydro-.
Diaminotoluene	Benzenediamine, ar-methyl-
1 2:7,8-Dibenzopyrene.	Benzo [rst]pentaphene.
S-(2,3-Dichloroallyl) diisopropylthiocarbamate.	Carbamothioic acid, bis (1-methylethyl)-, S-(2 3-dichloro-2-propenyl) ester.
Dichlorobenzene (mixed).	Dichlorobenzene.
Dichlorodiphenyl dichloroethane.	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro.
Dichlorodiphenyl trichloroethane.	Benzene, 1,1'-(2,2,2-trichloro-ethylidene)bis[4-chloro-.
1,2-trans-Dichloroethylene.	1,2-Dichlorcethylene.
3,5-Dichloro-N-(1,1-dimethyl-2-propynyl) benzamide.	Benzamide, 3.5-dichloro-N-(1,1-dimethyl-2-propynyl)-.
Dichloropropene(s) 2,3-Dichloropropene (isomer).	Dichloropropene 2,3-Dichloropropene.
1,4-Diethylene dioxide	1,4-Diethylenedioxide.
O,O-Diethyl S-[2-(ethylthio) ethyl] phosphorodithioate.	Phosphorodithioic acid, O-O-diethyl S-[2-(ethylthic) ethyl]ester.
1,2-Dihydro-3,6-pyndazinedione.	3,6-Pyridazinedione, 1,2-dihydro-.
Dimethylaminoazo-benzene.	p-Dimethylaminoazobenzene.
Dimethylnitrosamine	Methanamine, N-methyl-N-nitroso-.
3,3-Dimethyl-1-(methylthio-2-butanone, O-[(methyl-amino) carbonyl] oxime.	2-Butanone, 3,3-dimethyl-1-(methylthio)-, O[(methylamino) carbonyl] oxime.
O,C-Dimethyl O-p-nitrophenyl phosphorothioate.	Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl ester.
4,6-Dinitro-o-cyclo-hexylphenol.	2-Cyclohexyl-4,6-dinitrophenol.
2,4-Dithiobiuret	Dithiobiuret.
Dithiopyrophosphoric acid, tetraethyl ester.	Thiodiphosphoric acid, tetraethyl ester.
2,4-D Esters	2,4-D Ester.
Ethanamine, 1,1-dimethyl-2-2phenyl-.	Benzeneethanamine, alpha,alpha-dimethyl-.
1,2-Ethanediylbis-carbamo-dithioic acid.	Carbamodithioic acid, 1,2-ethanediylbis, salts & esters.
Ethane, 1,1,1,2,2,2-hexachloro-.	Ethane, hexachloro-.
Ethane, 1,1,1-trichloro-2,2-bis (p-methoxypheny!)-.	Benzene, 1,1'-(2,2,2-trichloro ethylidene)bis[4-methoxy-.
Ethenamine, N-methyl-N-nitroso-.	Vinylamine, N-methyl-N-nitroso-.
Ethene, 1,1,2,2-tetrachloro-.	Ethene, tetrachloro-.
Ethene, trans-1,2-dichloro.	Ethene, 1,2-dichloro- (E).
2-Ethoxyethanol	Ethanol, 2-ethoxy-.
Ethyl 4,4'-dichlorobenzilate.	Chlorobenzilate.
Ethylenebis(dithiocarbamic acid).	Ethylenebisdithiocarbamic acid, salts & esters.
Fulminic acid, mercury(II) salt.	Fulminic acid, mercury(2+) salt.
D-Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido).	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-
Guanidine, N-nitroso-N-methyl-N' -nitro.	Guanidine, N-methyl-N'-nitro-N-nitroso-.
1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octa-hydro-endo,endo-1,4:5,8-dimethanonaphthalene.	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-, (laalpha.2beta,2abeta,3alpl 6alpha.6abeta,7beta.7aalpl
1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,9a-octa-hydro-endo,exo-1,4:5,8-dimethanonaphthalene.	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,5be 6beta,6aalpa,7beta,7aalpha
1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro- 1,4,5,8-endo, endodimethanonaphthalene.	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)-.
Hexachlorohexahydro-endo, endodimethanonaphthalene.	Isodrin.
Hydroxydimethylarsine oxide.	Arsinic acid, dimethyl-.
Isocyanic acid, methyl ester.	Methane, isocynato-.

Previous name	New name
4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-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-.
2-Methylaziridine	Aziridine, 2-methyl-.
2,2' -Methylenebis(3,4,6-trichlorophenol).	Phenol, 2,2' -methylenebis[3,4,6-trichloro-.
Methyl ethyl ketone	Methyl ethy ketone (MEK).
N-Methyl-N' -nitro-N-nitrosoguanidine.	MNNG.
5,12-Naphthacenedione, (8S-cis)-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-.	5,12-Naphthacendione, 8-acetyl-10-[3-amino- 2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy- 1-methyoxy-, (8S-cis)-.
2-Naphthylamine, N,N-bis(2-chloroethyl)-.	Naphthalenamine, N,N'-bis(2-chloroethyl)-.
Nitrogen(II) oxide	Nitrogen oxide NO.
Nitrogen(IV) oxide	Nitrogen oxide NO_2.
N-Nitrosodi-n-propylamine.	1-Propanamine, N-nitroso-N-propyl-.
5-Norbornene-2,3-dime-thanol, 1,4,5,6,7,7-hexachloro, cyclic sulfite.	6,9-Methano-2,4,3-benzo-dioxathiepin, 6,7,8,9,20,20-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide.
Osmium oxide	Osmium oxide OsO4 (T-4)-.
2H-1,3,2-Oxazaphospho-rine,2-[bis(2-chloro-ethyl)amino[tetra-hydro-2-oxide.	2H-1,3,2-Oxazaphosphorin,2-amine, N,N-bis((2-chlor-oethyl) tetrahydro-, 2-oxide.
Oxirane, 2-(chloro-methyl)-.	Oxirane, (chloromethyl)-.
Pentachloronitroben-zene.	Pentachloronitrobenzene (PCNB).
Phenol,2,4-dinitro-6-methyl-, and salts.	Phenol, 2-methyl-4,6-dinitro-
Phenol,2,4-dinitro-6(1-methylpropyl)-.	Phenol, 2-(1-methylpropyl)-4,6-dinitro.
N-Phenylthiourea	Phenylthiourea.
Phosphoric acid, diethyl p-nitrophenyl ester.	Phosphoric acid, diethyl 4-nitrophenyl ester.
Phosphoric acid, lead salt.	Phosphoric acid, lead(2+) salt (2:3).
Phosphorodithioic acid, O,O-diethyl S-methyl ester.	Phosphorodithioic acid, O'O-diethyl S-methyl ester.
Phosphorothioic acid, O,O-diethyl O-(p-nitrophenyl) ester.	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester.
Phosphorothioic acid, O,O-dimethyl-O-[p-[(dimethylamino)-sulfonyl]phenyl] ester.	Phosphorothioic acid, O,[4-[(dimethylamino) sulfonyl]phenyl] O,O-dimethyl ester.
1-Propanal, 2,3,-epoxy.	Oxiranecarboxyaldehyde.
Propene, 1,3-dichloro-	1-Propene, 1,3-dichloro.
Pyridine,2-[2-(dimethylamino) ethyl-2-thenylamino]-.	1,2-Ethanediamine, N-N-dimethyl-N'-2-pyridinyl-N'-(2-thienyl-methyl)-.
Pyridine, hexahydro-N-nitroso-.	Piperidine, 1-nitroso-.
Pyridine, (S)-3-(1-methyl-2-pyrroli-dinyl)-, and salts.	Pyridine, 3-(1-methyl-2-pyrroli-dinyl)-, (S)-.
Pyrophosphoric acid, tetraethyl ester.	Diphosphoric acid, tetraethyl ester.
Pyrrole, tetrahydro-N-nitroso-.	Pyrrolidine, 1-nitroso-.
Selenium disulfide	Selenium sulfide.
Silvex	Silvex (2,4,5-TP).
4,4'-Stilbenediol, alpha,alpha' -diethyl-.	Phenol, 4,4' -(1,2-diethyl-1,2-ethenediyl)bis-, (E).
Strychnidin-10-one, and salts.	Strychnidin-10-one.
Sulfuric acid, thallium(1) salt.	Sulfuric acid, dithallium(1+) salt.
Thallium (III) oxide	Thallium oxide T1203.
Thallium(1) selenide	Selenious acid, dithallium(1+) salt.
Thallium(1) selenide	Thallium selenite.
Thioimidodicarbonic diamide.	Thioimidodicarbonic diamide [(H2N)C(S)]2NH.
2,4,5-Trichloro-phenoxy.	Acetic acid, (2,4,5-trichloro-acetic acid phenoxy).
sym-Trinitrobenzene	1,3,5-Trinitrobenzene.
Uracil, 5-[bis(2-chloroethyl) amino]-.	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-.
Vanadium(V) oxide	Vanadium oxide V205.
Warfarin	Warfarin, & salts, when present at concentrations greater than 0.3 percent.
Xylene (mixed)	Xylene (mixed).
m-	m-Benzene, dimethyl.
o-	o-Benzene, dimethyl.
p-	p-Benzene, dimethyl.
Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl) oxy]-,methyl ester.	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethioxybenzoyl)oxy]-, methyl ester (3beta,16beta,17alpha,-18beta,20alpha)-.

C. Those Hazardous Wastes Streams Whose Descriptions Have Changed

F001	F011
F002	F012
F006	F019
F009	K062
F010	

D. Those Hazardous Substances Which Have Been Added

Name	Reportable quantity
F025	1 (0.454)
F039	1 (0.454)
K107	1 (0.454)
K108	1 (0.454)
K109	1 (0.454)
K010	1 (0.454)
K131	100 (45.4)
K132	1000 (454)
D018 Benzene	10 (4.54)
D019 Carbon tetrachloride	10 (4.54)
D020 Chlordane	1 (0.454)
D021 Chlorobenzene	100 (45.4)
D022 Chloroform	10 (4.54)
D023 o-Cresol	1,000 (454)
D024 m-Cresol	1,000 (454)
D025 p-Cresol	1,000 (454)
D026 Cresol	1,000 (454)
D027 1,4-Dichlorobenzene	100 (45.4)
D028 1,2-Dichloroethane	100 (45.4)
D029 1,1-Dichloroethylene	100 (45.4)
D030 2,4-Dinitrotoluene	10 (4.54)
D031 Heptachlor (and hydroxide)	1 (0.454)
D032 Hexachlorobenzene	10 (4.54)
D033 Hexachlorobutadiene	1 (0.454)
D034 Hexachloroethane	100 (45.4)
D035 Methyl ethyl ketone	5,000 (2270)
D036 Nitrobenzene	1,000 (454)
D037 Pentachlorophenol	10 (45.4)
D038 Pyridine	1,000 (454)
D039 Tetrachloroethylene	100 (45.4)
D040 Trichloroethylene	100 (45.4)
D041 2,4,5-Trichloroethylene	10 (4.54)
D042 2,4,6-Trichlorophenol	10 (4.54)
D043 Vinyl Chloride	1 (0.454)

Administrative Notices

In accordance with the Administrative Procedure Act, 5 U.S.C. 553, RSPA has determined that a notice of proposed rulemaking and an opportunity for public comment and review are impracticable and unnecessary. SARA mandated that the Department of Transportation regulate, as hazardous materials under 49 CFR parts 171–180, those hazardous substances designated under CERCLA. EPA is the sole agency authorized to designate hazardous substances and their reportable quantities. Therefore, public comment and review are unnecessary because: (1) The public was afforded time to comment when EPA published its notice of proposed rulemaking concerning that agency's change in the subject RQs; and (2) RSPA does not have the authority to designate hazardous substances or determine their reportable quantities.

RSPA has determined that this rulemaking: (1) Is not a "major rule" under Executive Order 12291; (2) is not "significant" under DOT's regulatory policies and procedures (44 FR 11034); (3) will not affect not-for-profit enterprises or small governmental jurisdictions; (4) does not require an environmental impact statement under the National Environmental Policy Act (42 U.S.C. 4321 et seq); and (5) does not require the preparation of a regulatory evaluation.

Based on limited information concerning the size and nature of entities likely to be affected, I certify that this regulation will not have a significant impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act

This action has been analyzed in accordance with the principles and criteria contained in Executive Order 12612, and it has been determined that this final rule does not have sufficient federalism implications to warrant the preparation of a Federalism Assessment.

List of Subjects

49 CFR Part 171

Exports, Hazardous materials transportation, Definitions, Hazardous

waste. Imports, Report and recordkeeping requirements.

49 CFR Part 172

Hazardous materials transportation, Hazardous wastes, Labeling, Packaging and containers, Reporting and record keeping requirements, Shipping papers, Markings, and Emergency response information.

In consideration of the foregoing, parts 171 and 172 of title 49, Code of Federal Regulations, are amended as follows:

PART 171—GENERAL INFORMATION, REGULATIONS, AND DEFINITIONS

1. The authority citation for part 171 continues to read as follows:

Authority: 49 App. U.S.C. 1802, 1803, 1804, 1808; 49 CFR part 1, unless otherwise noted.

2. In. § 171.11(d)(1)(i)(C), remove the words "EP toxicity" and add, in their place, "Toxicity".

PART 172—HAZARDOUS MATERIALS TABLES AND HAZARDOUS MATERIALS COMMUNICATIONS REQUIREMENTS AND EMERGENCY RESPONSE INFORMATION REQUIREMENTS

3. The authority citation for part 172 continues to read as follows:

Authority: 49 U.S.C. App. 1803, 1804, and 1808; 49 CFR part 1.

4. The Appendix to § 172.101, entitled "List of Hazardous Substances and Reportable Quantities", is revised to read as follows:

Appendix to 172.101—List of Hazardous Substances and Reportable Quantities

1. This appendix lists materials and their corresponding reportable quantities (RQs) which are listed or designated as "hazardous substances" under section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA; Pub. L. 96-510). This appendix is divided into 2 tables which are entitled "Table 1—Hazardous Substances Other Than Radionuclides" and "Table 2—Radionuclides". A material listed in this appendix is regulated as a hazardous material and a hazardous substance under this subchapter if it meets the definition of a hazardous substance in § 171.8 of this subchapter.

2. The procedure for selecting a proper shipping name for a hazardous substance is set forth in § 172.101(c)(9).

3. Column 1 of Table 1, entitled "Hazardous substance", contains the names of those elements and compounds which are hazardous substances. Following the listing of elements and compounds is a listing of waste streams. These waste streams appear on the list in numerical sequence and are referenced by the appropriate "F" and "K" numbers. Column 2 of Table 1, entitled "Synonyms", contains the names of synonyms for certain elements and compounds listed in Column 1. No synonyms are listed for waste streams. Synonyms are useful in identifying hazardous substances and in identifying proper shipping names. Column 3 of Table 1, entitled "Reportable quantity (RQ)", contains the reportable quantity (RQ), in pounds and kilograms, for each hazardous substance listed in Column 1 of Table 1.

4. A series of notes are used throughout Table 1 and Table 2 to provide additional information concerning certain hazardous substances. These notes are explained at the end of each Table.

5. Table 2 lists radionuclides which are hazardous substances and their corresponding RQs. The RQs in Table 2 for radionuclides are expressed in units of curies and terabecquerels, whereas those in Table 1 are expressed in units of pounds. If a material is listed in both Table 1 and Table 2, the lower RQ shall apply. Radionuclides are listed in alphabetical order. The RQs for radionuclides are given in the radiological unit of measure of curie, abbreviated "Ci", followed, in parentheses, by an equivalent unit measured in terabecquerels, abbreviated "TBq".

6. For mixtures of radionuclides, the following determinations shall be used in determining if a package contains an RQ of a hazardous substance:

(i) If the identity and quantity (in curies or terabecquerels) of each radionuclide in a mixture or solution is known, the ratio between the quantity per package (in curies or terabecquerels) and the RQ for the radionuclide must be determined for each radionuclide. A package contains an RQ of a hazardous substance when the sum of the ratios for the radionuclides in the mixture or solution is equal to or greater than one;

(ii) If the identity of each radionuclide in a mixture or solution is known but the quantity per package (in curies or terabecquerels) of one or more of the radionuclides is unknown, an RQ of a hazardous substance is present in a package when the total quantity (in curies or terabecquerels) of the mixture or solution is equal to or greater than the lowest RQ of any individual radionuclide in the mixture or solution; and

(iii) If the identity of one or more radionuclides in a mixture or solution is unknown (or if the identity of a radionuclide by itself is unknown), an RQ of a hazardous substance is present when the total quantity (in curies or terabecquerels) in a package 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.

Table 1—Hazardous Substances Other Than Radionuclides

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Acenaphthene		100 (45.4)
Acenaphthylene		5000 (2270)
Acetaldehyde *	Ethanal	1000 (454)
Acetaldehyde, chloro-	Chloroacetaldehyde	1000 (454)
Acetaldehyde, trichloro-	Chloral	5000 (2270)
Acetamide, N-(aminothioxomethyl)-	1-Acetyl-2-thiourea	1000 (454)
Acetamide, N-(4-ethoxyphenyl)-	Phenacetin	100 (45.4)
Acetamide, N-fluoren-2-yl-	2-Acetylaminofluorene	1 (0.454)
Acetamide, 2-fluoro-	Fluoroacetamide	100 (45.4)
Acetic acid *		5000 (2270)
Acetic acid (2,4-dichlorophenoxy)-	2,4-D, salts and esters	100 (45.4)
	2,4-D acid	
Acetic acid, ethyl ester	Ethyl acetate *	5000 (2270)
Acetic acid, fluoro-, sodium salt	Fluoroacetic acid, sodium salt	10 (4.54)
Acetic acid, lead (2+) salt	Lead acetate	5000 (2270)
Acetic acid, thallium(I+) salt	Thallium(I) acetate	100 (45.4)
Acetic acid, (2,4,5-trichlorophenoxy)	2,4,5-T *	1000 (454)
	2,4,5-T acid	
Acetic anhydride *		5000 (2270)
Acetone *	2-Propanone	5000 (2270)
Acetone cyanohydrin *	Propanenitrile, 2-hydroxy-2-methyl-	10 (4.54)
	2-Methyllactonitrile	

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Acetonitrile *	Ethanenitrile	5000 (2270)
Acetophenone	Ethanone, 1-phenyl-	5000 (2270)
2-Acetylaminofluorene	Acetamide, N-fluoren-2-yl-	1 (0.454)
Acetyl bromide *		5000 (2270)
Acetyl chloride *	Ethanoyl chloride	5000 (2270)
1-Acetyl-2-thiourea	Acetamide, N-(aminothioxomethyl)-	1000 (454)
Acrolein *	2-Propenal	1 (0.454)
Acrylamide	2-Propenamide	5000 (2270)
Acrylic acid *	2-Propenoic acid	5000 (2270)
Acrylonitrile *	2-Propenenitrile	100 (45.4)
Adipic acid		5000 (2270)
Aldicarb	Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime	1 (0.454)
Aldrin *	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo,exo-dimethanonaphthalene	1 (0.454)
	1,4,5,8-Dimethanonaphthalene,1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-,(1alpha,4alpha,4abeta,5alpha,8a.	
Allyl alcohol *	2-Propen-1-ol	100 (45.4)
Allyl chloride *		1000 (454)
Aluminum phosphide *		100 (45.4)
Aluminum sulfate *		5000 (2270)
5-(Aminomethyl)-3-isoxazolol	3(2H)-Isoxazolone, 5-(aminomethyl)- Muscimol	1000 (454)
4-Aminopyridine	4-Pyridinamine	1000 (454)
Amitrole	1H-1,2,4-Triazol-3-amine	10 (4.54)
Ammonia *		100 (45.4)
Ammonium acetate		5000 (2270)
Ammonium benzoate		5000 (2270)
Ammonium bicarbonate		5000 (2270)
Ammonium bichromate	Ammonium dichromate @	10 (4.54)
Ammonium bifluoride *		100 (45.4)
Ammonium bisulfite *		5000 (2270)
Ammonium carbamate *		5000 (2270)
Ammonium carbonate *		5000 (2270)
Ammonium chloride		5000 (2270)
Ammonium chromate		10 (4.54)
Ammonium citrate, dibasic		5000 (2270)
Ammonium dichromate @	Ammonium bichromate	10 (4.54)
Ammonium fluoborate *		5000 (2270)
Ammonium fluoride *		100 (45.4)
Ammonium hydroxide *		1000 (454)
Ammonium oxalate *		5000 (2270)
Ammonium picrate *	Phenol, 2,4,6-trinitro-, ammonium salt	10 (4.54)
Ammonium silicofluoride *		1000 (454)
Ammonium sulfamate		5000 (2270)
Ammonium sulfide *		100 (45.4)
Ammonium sulfite		5000 (2270)
Ammonium tartrate		5000 (2270)
Ammonium thiocyanate		5000 (2270)
Ammonium vanadate	Vanadic acid, ammonium salt	1000 (454)
Amyl acetate *		5000 (2270)
iso-Amyl acetate		
sec-Amyl acetate		
tert-Amyl acetate		
Aniline *	Benzenamine	5000 (2270)
Anthracene		5000 (2270)
Antimony ¢		5000 (2270)
Antimony pentachloride *		1000 (454)
Antimony potassium tartrate *		100 (45.4)
Antimony tribromide *		1000 (454)
Antimony trichloride *		1000 (454)
Antimony trifluoride *		1000 (454)
Antimony trioxide		1000 (454)
Argentate(1-), bis(cyano-C)-, potassium	Potassium silver cyanide	1 (0.454)
Aroclor 1016	POLYCHLORINATED BIPHENYLS (PCBs)	1 (0.454)
Aroclor 1221	POLYCHLORINATED BIPHENYLS (PCBs)	1 (0.454)
Aroclor 1232	POLYCHLORINATED BIPHENYLS (PCBs)	1 (0.454)
Aroclor 1242	POLYCHLORINATED BIPHENYLS (PCBs)	1 (0.454)
Aroclor 1248	POLYCHLORINATED BIPHENYLS (PCBs)	1 (0.454)
Aroclor 1254	POLYCHLORINATED BIPHENYLS (PCBs)	1 (0.454)
Aroclor 1260	POLYCHLORINATED BIPHENYLS (PCBs)	1 (0.454)
Arsenic * ¢		1 (0.454)
Arsenic acid *	Arsenic acid H3AsO4	1 (0.454)
Arsenic acid H3AsO4	Arsenic acid *	1 (0.454)
Arsenic disulfide *		1 (0.454)
Arsenic oxide As2O3	Arsenic trioxide *	1 (0.454)
Arsenic oxide As2O5	Arsenic pentoxide *	1 (0.454)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Arsenic pentoxide *	Arsenic oxide As205	1 (0.454)
Arsenic trichloride *		1 (0.454)
Arsenic trioxide *	Arsenic oxide As203	1 (0.454)
Arsenic trisulfide *		1 (0.454)
Arsine, diethyl-	Diethylarsine	1 (0.454)
Arsinic acid, dimethyl-	Cacodylic acid	1 (0.454)
Arsonous dichloride, phenyl-	Dichlorophenylarsine	1 (0.454)
	Phenyl dichloroarsine @	
Asbestos * ¢¢		1 (0.454)
Auramine	Benzenamine, 4,4'-carbonimidoylbis (N,N-dimethyl-	100 (45.4)
Azaserine	L-Serine, diazoacetate (ester)	1 (0.454)
Azinphos methyl @	Guthion *	1 (0.454)
Aziridine	Ethylenimine—	1 (0.454)
	Ethylene imine@	
Aziridine, 2-methyl-	1,2-Propylenimine	1 (0.454)
Azirino[2',3':3,4]pyrrolo(1,2-a)indole-4,7-dione,6-amino-8-[[(aminocarbonyl)oxy] methyl]-1,1a,2,8,8a, 8b-hexahydro-8a-methoxy-5-methyl-, [1aS-[1aalpha,8beta,8aalpha,8balpha]]-	Mitomycin C	10 (4.54)
Barium cyanide *		10 (4.54)
Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	3-Methylcholanthrene	100 (45.4)
Benz[c]acridine	3,4-Benzacridine	100 (45.4)
3,4-Benzacridine	Benz[c]acridine	5000 (2270)
Benzal chloride	Benzene, dichloromethyl-	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)	Pronamide	10 (4.54)
Benz[a]anthracene	Benzo[a]anthracene	
	1,2-Benzanthracene	10 (4.54)
1,2-Benzanthracene	Benz[a]anthracene	
	Benzo[a]anthracene	1 (0.454)
Benz[a]anthracene, 7,12-dimethyl-	7,12-Dimethylbenz[a]anthracene	5000 (2270)
Benzenamine	Aniline *	100 (45.4)
Benzenamine, 4,4'-carbonimidoylbis (N,N-dimethyl-	Auramine	1000 (454)
Benzenamine, 4-chloro-	p-Chloroaniline	100 (45.4)
Benzenamine, 4-chloro-2-methyl-, hydrochloride	4-Chloro-o-toluidine, hydrochloride	10 (4.54)
Benzenamine, N,N-dimethyl-4-(phenylazo)-	p-Dimethylaminoazobenzene	100 (45.4)
Benzenamine, 2-methyl-	o-Toluidine	100 (45.4)
Benzenamine, 4-methyl-	p-Toluidine	10 (4.54)
Benzenamine, 4,4'-methylenebis(2-chloro-	4,4'-Methylenebis(2-chloroaniline)	100 (45.4)
Benzenamine, 2-methyl-, hydrochloride	o-Toluidine hydrochloride	100 (45.4)
Benzenamine, 2-methyl-5-nitro-	5-Nitro-o-toluidine	5000 (2270)
Benzenamine, 4-nitro-	p-Nitroaniline *	10 (4.54)
Benzene *		100 (45.4)
Benzene, 1-bromo-4-phenoxy-	4-Bromophenyl phenyl ether	100 (45.4)
Benzene, chloro-	Chlorobenzene *	100 (45.4)
Benzene, chloromethyl-	Benzyl chloride *	100 (45.4)
Benzene, 1,2-dichloro-	o-Dichlorobenzene *	
	1,2-Dichlorobenzene	
Benzene, 1,3-dichloro-	m-Dichlorobenzene	100 (45.4)
	1,3-Dichlorobenzene	
Benzene, 1,4-dichloro-	p-Dichlorobenzene *	100 (45.4)
	1,4-Dichlorobenzene	
Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro	DDD	1 (0.454)
	TDE *	
	4,4'-DDD	
Benzene, dichloromethyl-	Benzal chloride	5000 (2270)
Benzene, 1,3-diisocyanatomethyl	Toluene diisocyanate *	100 (45.4)
Benzene, dimethyl	Xylene * (mixed)	1000 (454)
m-Benzene, dimethyl	m-Xylene	
o-Benzene, dimethyl	o-Xylene	
p-Benzene, dimethyl	p-Xylene	
Benzene, hexachloro-	Hexachlorobenzene	10 (4.54)
Benzene, hexahydro-	Cyclohexane *	1000 (454)
Benzene, hydroxy-	Phenol *	1000 (454)
Benzene, methyl-	Toluene *	1000 (454)
Benzene, 1-methyl-2,4-dinitro-	2,4-Dinitrotoluene	10 (4.54)
Benzene, 2-methyl-1,3-dinitro-	2,6-Dinitrotoluene	100 (45.4)
Benzene, 1-methylethyl-	Cumene	5000 (2270)
Benzene, nitro-	Nitrobenzene *	1000 (454)
Benzene, pentachloro-	Pentachlorobenzene	10 (4.54)
Benzene, pentachloronitro-	Pentachloronitrobenzene (PCNB)	100 (45.4)
Benzene, 1,2,4,5-tetrachloro-	1,2,4,5-Tetrachlorobenzene	5000 (2270)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-	DDT *	1 (0.454)
	4,4'-DDT	
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy]-	Methoxychlor	1 (0.454)
Benzene, (trichloromethyl)	Benzotrichloride	10 (4.54)
Benzene, 1,3,5-trinitro-	1,3,5-Trinitrobenzene	10 (4.54)
Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester.	Chlorobenzilate	10 (4.54)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	Chlorambucil	10 (4.54)
Benzenediamine, ar-methyl-	Toluenediamine *	10 (4.54)
1,2-Benzenedicarboxylic acid, [bis(2-ethylhexyl)] ester	Bis(2-ethylhexyl)phthalate—	100 (45.4)
	Diethylhexyl phthalate	
1,2-Benzenedicarboxylic acid, dibutyl ester	Di-n-butyl phthalate	10 (4.54)
	Dibutyl phthalate	
	n-Butyl phthalate	
1,2-Benzenedicarboxylic acid, diethyl ester	Diethyl phthalate	1000 (454)
1,2-Benzenedicarboxylic acid, dimethyl ester	Dimethyl phthalate	5000 (2270)
1,2-Benzenedicarboxylic acid, dioctyl ester	Di-n-octyl phthalate	5000 (2270)
1,3-Benzenediol	Resorcinol	5000 (2270)
1,2-Benzenediol,4-[1-hydroxy-2-(methylamino)ethyl]-	Epinephrine	1000 (454)
Benzeneethanamine, alpha,alpha-dimethyl-	alpha,alpha-Dimethylphenethylamine	5000 (2270)
Benzeneethanamine, alpha,alpha-dimethyl-	alpha,alpha-Dimethylphenethylamine	5000 (2270)
Benzenesulfonic acid chloride	Benzenesulfonyl chloride	100 (45.4)
Benzenesulfonyl chloride	Benzenesulfonic acid chloride	100 (45.4)
Benzenethiol	Phenyl mercaptan @	100 (45.4)
	Thiophenol	
Benzidine *	(1,1'-Biphenyl)-4,4'diamine	1 (0.454)
1,2-Benzisothiazol-3(2H)-one,1,1-dioxide	Saccharin and salts	100 (45.4)
Benzo[a]anthracene	Benz[a]anthracene	10 (4.54)
	1,2-Benzanthracene	
1,3-Benzodioxole, 5-(2-propenyl)-	Safrole	100 (45.4)
1,3-Benzodioxole, 5-(1-propenyl)-	Isosafrole	100 (45.4)
1,3-Benzodioxole, 5-propyl-	Dihydrosafrole	10 (4.54)
Benzo[b]fluoranthene		1 (0.454)
Benzo[k]fluoranthene		5000 (2270)
Benzo[j,k]fluorene	Fluoranthene	100 (45.4)
Benzoic acid		5000 (2270)
Benzonitrile *		5000 (2270)
Benzo[g,h,i]perylene		5000 (2270)
2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3%.	Warfarin, & salts, when present at concentrations greater than 0.3%	100 (45.4)
Benzo[a]pyrene	3,4-Benzopyrene	1 (0.454)
3,4-Benzopyrene	Benzo[a]pyrene	1 (0.454)
p-Benzoquinone	2,5-Cyclohexadiene-1,4-dione	10 (4.54)
Benzo [rst]pentaphene	Dibenz[a,i]pyrene	10 (4.54)
Benzotrichloride	Benzene, (trichloromethyl)	10 (4.54)
Benzoyl chloride *		1000 (454)
1,2-Benzphenanthrene	Chrysene	100 (45.4)
Benzyl chloride *	Benzene, chloromethyl-	100 (45.4)
Beryllium ¢	Beryllium dust ¢	10 (4.54)
Beryllium chloride *		1 (0.454)
Beryllium dust ¢	Beryllium ¢	10 (4.54)
Beryllium fluoride *		1 (0.454)
Beryllium nitrate *		1 (0.454)
alpha - BHC		10 (4.54)
beta - BHC		1 (0.454)
delta - BHC		1 (0.454)
gamma - BHC	Hexachlorocyclohexane (gamma isomer)	1 (0.454)
	Lindane *	
	Cyclohexane,1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-.	
2,2'-Bioxirane	1,2:3,4-Diepoxybutane	10 (4.54)
(1,1'-Biphenyl)-4,4'-diamine	Benzidine *	1 (0.454)
(1,1'-Biphenyl)-4,4'-diamine,3,3'-dichloro-	3,3'-Dichlorobenzidine	1 (0.454)
(1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethoxy-	3,3'-Dimethoxybenzidine	10 (4.54)
(1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethyl-	3,3'-Dimethylbenzidine	10 (4.54)
Bis(2-chloroethoxy) methane	Ethane, 1,1'-[methylenebis(oxy)]bis(2-chloro-	1000 (454)
	Dichloromethoxy ethane	
Bis(2-chloroethyl) ether	Dichloroethyl ether	10 (4.54)
	Ethane, 1,1'-oxybis(2-chloro-	
Bis(2-ethylhexyl)phthalate	1,2-Benzenedicarboxylic acid, [bis(2-ethylhexyl)]ester	100 (45.4)
	Diethylhexyl phthalate	
Bromoacetone *	2-Propanone, 1-bromo-	1000 (454)
Bromoform	Methane, tribromo-	100 (45.4)
4-Bromophenyl phenyl ether	Benzene, 1-bromo-4-phenoxy-	100 (45.4)
Brucine	Strychnidin-10-one, 2,3-dimethoxy-	100 (45.4)
1,3-Butadiene, 1,1,2,3,4,4-hexachloro-	Hexachlorobutadiene	1 (0.454)
1-Butanamine, N-butyl-N-nitroso-	N-Nitrosodi-n-butylamine	10 (4.54)
1-Butanol	n-Butyl alcohol *	5000 (2270)
2-Butanone	Ethyl methyl ketone @	5000 (2270)
	Methyl ethyl ketone (MEK) *	
2-Butanone, 3,3-dimethyl-1-(methylthio)-,O-[(methylamino)carbonyl] oxime.	Thiofanox	100 (45.4)
2-Butanone peroxide	Methyl ethyl ketone peroxide *	10 (4.54)
2-Butenal	Crotonaldehyde *	100 (45.4)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
2-Butene, 1,4-dichloro-	1,4-Dichloro-2-butene	1 (0.454)
2-Butenoic acid, 2-methyl-,7[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7(2S*, 3R*), 7aalpha]]-	Lasiocarpine	10 (4.54)
Butyl acetate *		5000 (2270)
iso-Butyl acetate		
sec-Butyl acetate		
tert-Butyl acetate		
n-Butyl alcohol *	1-Butanol	5000 (2270)
Butylamine *		1000 (454)
iso-Butylamine		
sec-Butylamine		
tert-Butylamine		
Butyl benzyl phthalate		100 (45.4)
n-Butyl phthalate	Di-n-butyl phthalate	10 (4.54)
	Dibutyl phthalate	
	1,2-Benzenedicarboxylic acid, dibutyl ester	
Butyric acid *		5000 (2270)
iso-Butyric acid		
Cacodylic acid	Arsenic acid, dimethyl-	1 (0.454)
Cadmium ¢		10 (4.54)
Cadmium acetate		10 (4.54)
Cadmium bromide		10 (4.54)
Cadmium chloride		10 (4.54)
Calcium arsenate *		1 (0.454)
Calcium arsenite *		1 (0.454)
Calcium carbide *		10 (4.54)
Calcium chromate	Chromic acid H2CrO4, calcium salt	10 (4.54)
Calcium cyanide *	Calcium cyanide Ca(CN)2	10 (4.54)
Calcium cyanide Ca(CN)2	Calcium cyanide	10 (4.54)
Calcium dodecylbenzene sulfonate		1000 (454)
Calcium hypochlorite *		10 (4.54)
Camphene, octachloro-	Toxaphene *	1 (0.454)
Captan		10 (4.54)
Carbamic acid, ethyl ester	Ethyl carbamate (Urethan)	100 (45.4)
Carbamic acid, methylnitroso-, ethyl ester	N-Nitroso-N-methylurethane	1 (0.454)
Carbamic chloride, dimethyl-	Dimethylcarbamoyl chloride	1 (0.454)
Carbamide, thio-	Thiourea	10 (4.54)
Carbamimidoselenoic acid	Selenourea	1000 (454)
Carbamothioic acid, bis (1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester.	Diallate	100 (45.4)
Carbaryl *		100 (45.4)
Carbofuran *		10 (4.54)
Carbon bisulfide *	Carbon disulfide *	100 (45.4)
Carbon disulfide *	Carbon bisulfide *	100 (45.4)
Carbonic acid, dithallium (1+)	Thallium(I) carbonate	100 (45.4)
Carbonic dichloride	Phosgene *	10 (4.54)
Carbonic difluoride	Carbon oxyfluoride	1000 (454)
Carbonochloridic acid, methyl ester	Methyl chlorocarbonate *	1000 (454)
	Methyl chloroformate *	
Carbon oxyfluoride	Carbonic difluoride	1000 (454)
Carbon tetrachloride *	Methane, tetrachloro-	10 (4.54)
Chloral	Acetaldehyde, trichloro-	5000(2270)
Chlorambucil	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	10 (4.54)
Chlordane *	Chlordane, technical *	1 (0.454)
	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-.	
	Chlordane, alpha & gamma isomers	
Chlordane, alpha & gamma isomers	Chlordane, technical	1 (0.454)
	Chlordane *	
	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8 octachloro-2,3,3a,4,7,7a-hexahydro-.	
Chlordane, technical *	Chlordane *	1 (0.454)
	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-.	
	Chlordane, alpha & gamma isomers	
Chlorine *		10 (4.54)
Chlornaphazine	Naphthylamine, N,N'-bis(2-chloroethyl)-	100 (45.4)
Chloroacetaldehyde	Acetaldehyde, chloro-	1000 (454)
p-Chloroaniline	Benzenamine, 4-chloro-	1000 (454)
Chlorobenzene *	Benzene, chloro-	100 (45.4)
Chlorobenzilate	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester.	10 (4.54)
4-Chloro-m-cresol	p-Chloro-m-cresol	5000 (2270)
	Phenol, 4-chloro-3-methyl-	
p-Chloro-m-cresol	Phenol, 4-chloro-3-methyl-	5000 (2270)
	4-Chloro-m-cresol	

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Chlorodibromomethane		100 (45.4)
Chloroethane	Ethyl chloride @	100 (45.4)
2-Chloroethyl vinyl ether	Ethene, 2-chloroethoxy-	1000 (454)
Chloroform *	Methane, trichloro-	10 (4.54)
Chloromethane	Methane, chloro-	100 (45.4)
	Methyl chloride *	
Chloromethyl methyl ether	Methane, chloromethoxy-	1 (0.454)
	Methylchloromethyl ether @	
beta-Chloronaphthalene	Naphthalene, 2-chloro-	5000 (2270)
	2-Chloronaphthalene	
2-Chloronaphthalene	beta-Chloronaphthalene	5000 (2270)
	Naphthalene, 2-chloro-	
2-Chlorophenol	o-Chlorophenol	100 (45.4)
	Phenol, 2-chloro-	
o-Chlorophenol	Phenol, 2-chloro-	100 (45.4)
	2-Chlorophenol	
4-Chlorophenyl phenyl ether		5000 (2270)
1-(o-Chlorophenyl)thiourea	Thiourea, (2-chlorophenyl)-	100 (45.4)
3-Chloropropionitrile	Propanenitrile, 3-chloro-	1000 (454)
Chlorosulfonic acid *		1000 (454)
4-Chloro-o-toluidine, hydrochloride	Benzenamine, 4-chloro-2-methyl-, hydrochloride	100 (45.4)
Chlorpyrifos *		1 (0.454)
Chromic acetate		1000 (454)
Chromic acid *		10 (4.54)
Chromic acid H2CrO4, calcium salt	Calcium chromate	10 (4.54)
Chromic sulfate		1000 (454)
Chromium ¢		5000 (2270)
Chromous chloride		1000 (454)
Chrysene	1,2-Benzphenanthrene	100 (45.4)
Cobaltous bromide		1000 (454)
Cobaltous formate		1000 (454)
Cobaltous sulfamate		1000 (454)
Coke Oven Emissions		1 (0.454)
Copper ¢		5000 (2270)
Copper chloride @	Cupric chloride	10 (4.54)
Copper cyanide *	Copper cyanide CuCN	10 (4.54)
Copper cyanide CuCN	Copper cyanide *	10 (4.54)
Coumaphos *		10 (4.54)
Creosote		1 (0.454)
Cresol(s) *	Cresylic acid	1000 (454)
	Phenol, methyl-	
m-Cresol	m-Cresylic acid	
o-Cresol	o-Cresylic acid	
p-Cresol	p-Cresylic acid	
Cresylic acid	Cresols *	1000 (454)
	Phenol, methyl-	
m-Cresol	m-Cresylic acid	
o-Cresol	o-Cresylic acid	
p-Cresol	p-Cresylic acid	
Crotonaldehyde *	2-Butenal	100 (45.4)
Cumene	Benzene, 1-methylethyl-	5000 (2270)
Cumene hydroperoxide @	alpha,alpha-Dimethylbenzylhydroperoxide	10 (4.54)
	Hydroperoxide, 1-methyl-1-phenylethyl-	
Cupric acetate		100 (45.4)
Cupric acetoarsenite *		1 (0.454)
Cupric chloride	Copper chloride @	10 (4.54)
Cupric nitrate *		100 (45.4)
Cupric oxalate		100 (45.4)
Cupric sulfate		10 (4.54)
Cupric sulfate ammoniated		100 (45.4)
Cupric tartrate		100 (45.4)
Cyanides (soluble salts and complexes) not otherwise specified *		10 (4.54)
Cyanogen *	Ethanedinitrile	100 (45.4)
Cyanogen bromide *	Cyanogen bromide (CN)Br	1000 (454)
Cyanogen bromide (CN)Br	Cyanogen bromide *	1000 (454)
Cyanogen chloride *	Cyanogen chloride (CN)Cl	10 (4.54)
Cyanogen chloride (CN)Cl	Cyanogen chloride *	10 (4.54)
2,5-Cyclohexadiene-1,4-dione	p-Benzoquinone	10 (4.54)
Cyclohexane *	Benzene, hexahydro-	1000 (454)
Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-	gamma-BHC	1 (0.454)
	Hexachlorocyclohexane (gamma isomer)	
	Lindane *	
Cyclohexanone		5000 (2270)
2-Cyclohexyl-4,6-dinitrophenol	Phenol, 2-cyclohexyl-4,6-dinitro-	100 (45.4)
1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	Hexachlorocyclopentadiene *	10 (4.54)
Cyclophosphamide	2H-1,3,2-Oxazaphosphorin,2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide.	10 (4.54)

Table 1—Hazardous Substances Other Than Radionuclides--Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
2,4-D Acid	2,4-D *, salts and esters	100 (45.4)
2,4-D Ester	Acetic acid (2,4-dichlorophenoxy)-	100 (45.4)
2,4-D *, salts and esters	2,4-D Acid	100 (45.4)
Dactinomycin	Acetic acid (2,4-dichloro-phenoxy)-	10 (4.54)
DDD	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)-.	1 (0.454)
4,4'-DDD	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro	1 (0.454)
DDE	TDE *	1 (0.454)
4,4'-DDE	4,4'-DDD	1 (0.454)
DDT *	DDD	1 (0.454)
4,4'-DDT	Dichlorodiphenyl dichloroethane	1 (0.454)
Diallate	TDE *	1 (0.454)
Diamine	4,4'-DDE	100 (45.4)
Diazinon *	DDE	1 (0.454)
Dibenz[a,h]anthracene	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-	1 (0.454)
1,2:5,6-Dibenzanthracene	4,4'-DDT	1 (0.454)
Dibenzo[a,h]anthracene	DDT *	1 (0.454)
Dibenz[a,i]pyrene	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-	1 (0.454)
1,2-Dibromo-3-chloropropane	Carbamothioic acid, bis (1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester.	100 (45.4)
Dibutyl phthalate	Hydrazine *	1 (0.454)
Di n-butyl phthalate	Dibenzo[a,h]anthracene	1 (0.454)
Dicamba	1,2:5,6-Dibenzanthracene	1 (0.454)
Dichlobenil	Dibenz[a,h]anthracene	1 (0.454)
Dichlone	Dibenzo[a,h]anthracene	1 (0.454)
Dichlorobenzene	Dibenz[a,h]anthracene	1 (0.454)
1,2-Dichlorobenzene	1,2:5,6-Dibenzanthracene	1 (0.454)
1,3-Dichlorobenzene	Bezo [rst]pentaphene	10 (4.54)
1,4-Dichlorobenzene	Propane, 1,2-dibromo-3-chloro-	1 (0.454)
m-Dichlorobenzene	Di-n-butyl phthalate	10 (4.54)
o-Dichlorobenzene *	n-Butyl phthalate *	1000 (454)
p-Dichlorobenzene *	1,2-Benzenedicarboxylic acid, dibutyl ester	100 (45.4)
3,3'-Dichlorobenzidine	Dibutyl phthalate	1 (0.454)
Dichlorobromomethane	n-Butyl phthalate *	100 (45.4)
1,4 Dichloro-2-butene	1,2-Benzenedicarboxylic acid, dibutyl ester	100 (45.4)
Dichlorodifluoromethane *		100 (45.4)
1,1 Dichloroethane		100 (45.4)
1,2 Dichloroethane	Benzene, 1,2-dichloro-	100 (45.4)
1,1-Dichloroethylene	o-Dichlorobenzene *	100 (45.4)
1,2-Dichloroethylene	Benzene, 1,3-dichloro-	100 (45.4)
1,3-Dichloropropene	m-Dichlorobenzene	100 (45.4)
Dichloroethyl ether	Benzene, 1,4-dichloro-	100 (45.4)
Dichloroisopropyl—ether	p-Dichlorobenzene *	100 (45.4)
Dichloromethane @	Benzene, 1,3-dichloro-	100 (45.4)
Dichloromethoxy ethane	1,3-Dichlorobenzene	100 (45.4)
Dichloromethyl ether	Benzene, 1,2-dichloro-	100 (45.4)
2,4-Dichlorophenol	1,2-Dichlorobenzene	100 (45.4)
2,6-Dichlorophenol	Benzene, 1,4-dichloro-	100 (45.4)
	1,4-Dichlorobenzene	100 (45.4)
	(1,1'-Biphenyl)-4,4'-diamine,3,3'-dichloro	1 (0.454)
	2-Butene, 1,4-dichloro-	5000 (2270)
	Methane, dichlorodifluoro-	1 (0.454)
	Ethane, 1,1-dichloro-	5000 (2270)
	Ethylidene dichloride	1000 (454)
	Ethane, 1,2-dichloro-	100 (45.4)
	Ethylene dichloride *	100 (45.4)
	Ethene, 1,1-dichloro-	100 (45.4)
	Vinylidene chloride *	100 (45.4)
	Ethene, 1,2-dichloro- (E)	1000 (454)
	1-Propene, 1,3-dichloro-	100 (45.4)
	Bis (2-chloroethyl) ether	10 (4.54)
	Ethane, 1,1'-oxybis(2-chloro-	1000 (454)
	Propane, 2,2'-oxybis [2-chloro-	1000 (454)
	Methane, dichloro-	1000 (454)
	Methylene chloride *	1000 (454)
	Bis(2-chloroethoxy) methane	1000 (454)
	Ethane, 1,1'-[methylenebis (oxy)]bis(2-chloro-	1 (0.454)
	Methane, oxybis(chloro-	100 (45.4)
	Phenol, 2,4-dichloro-	100 (45.4)
	Phenol, 2,6-dichloro-	

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Dichlorophenylarsine	Phenyl dichloroarsine @	1 (0.454)
	Arsonous dichloride, phenyl-	
Dichloropropane *		1000 (454)
1,1-Dichloropropane		
1,3-Dichloropropane		
1,2-Dichloropropane	Propylene dichloride *	1000 (454)
	Propane, 1,2-dichloro-	
Dichloropropane - Dichloropropene (mixture)		100 (45.4)
Dichloropropene *		100 (45.4)
2,3-Dichloropropene		
2,2-Dichloropropionic acid *		5000 (2270)
Dichlorvos *		10 (4.54)
Dicofol		10 (4.54)
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-,(1alpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)-.	1 (0.454)
1,2:3,4-Diepoxybutane	2,2'-Bioxirane	10 (4.54)
Diethylamine *		1000 (454)
Diethylarsine	Arsine, diethyl-	1 (0.454)
1,4-Diethylenedioxide	1,4-Dioxane	100 (45.4)
Diethylhexyl phthalate	1,2-Benzenedicarbolic acid, [bis(2-ethylhexyl)]ester	
	Bis(2-ethylhexyl)phthalate	
N,N'-Diethylhydrazine	Hydrazine, 1,2-diethyl-	10 (4.54)
O,O-Diethyl S-methyl dithiophosphate	Phosphorodithioic acid, O'O>-diethylS-methyl ester	5000 (2270)
Diethyl-p-nitrophenyl phosphate	Phosphoric acid, diethyl 4-nitrophenyl ester	100 (45.4)
Diethyl phthalate	1,2-Benzenedicarboxylic acid, diethyl ester	1000(454)
O,O-Diethyl O-pyrazinyl phosphorothioate	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	100 (45.4)
Diethylstilbestrol	Phenol, 4,4'-(1,2-diethyl-1,2 ethenediyl)bis-, (E)	1 (0.454)
Dihydrosafrole	Benzene, 1,2-methylenedioxy-4-propyl-	10 (4.54)
Diisopropyl fluorophosphate	Phosphorofluoridic acid, bis(1-methylethyl) ester	100 (45.4)
1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro, (1alpha,4alpha,4abeta,5abeta,8beta,8abeta)-.	Isodrin	1 (0.454)
1,4,5,8-Dimethanonaphthalene,1,2,3,4,10,10-10-hexachloro-1,4,4a,5,8,8a-hexahydro-,(1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)-.	Aldrin *	1 (0.454)
	1,2,3,4,10-10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo,exo-dimethanonapthalene.	
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,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)-.	Endrin *	1 (0.454)
	Endrin, and metabolites	
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-,(1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)-.	Dieldrin *	1 (0.454)
Dimethoate	Phosphorodithioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester.	10 (4.54)
3,3'-Dimethoxybenzidine	(1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethoxy-	10 (4.54)
Dimethylamine *	Methanamine, N-methyl-	1000 (454)
p-Dimethylaminoazobenzene	Benzenamine, N,N-dimethyl-4-(phenylazo)-	10 (4.54)
7,12-Dimethylbenz[a]anthracene	Benz[a]anthracene, 7,12-dimethyl-	1 (0.454)
3,3'-Dimethylbenzidine	(1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethyl-	10 (4.54)
alpha,alpha-Dimethylbenzylhydroperoxide	Hydroperoxide, 1-methyl-1-phenylethyl-	10 (4.54)
	Cumene hydroperoxide @	
Dimethylcarbamoyl chloride	Carbamic chloride, dimethyl-	1 (0.454)
1,1-Dimethylhydrazine	Dimethylhydrazine, unsymmetrical @	10 (4.54)
	Hydrazine, 1,1-dimethyl-	
1,2-Dimethylhydrazine	Hydrazine, 1,2-dimethyl-	1 (0.454)
Dimethylhydrazine, unsymmetrical @	1,1-Dimethylhydrazine	10 (4.54)
	Hydrazine, 1,1-dimethyl-	
alpha,alpha-Dimethylphenethylamine	Benzeneethanamine, alpha,alpha-dimethyl-	5000 (2270)
2,4-Dimethylphenol	Phenol, 2,4-dimethyl-	100 (45.4)
Dimethyl phthalate	1,2-Benzenedicarboxylic acid, dimethyl ester	5000 (2270)
Dimethyl sulfate *	Sulfuric acid, dimethyl ester	100 (45.4)
Dinitrobenzene * (mixed)		100 (45.4)
m-Dinitrobenzene		
o-Dinitrobenzene		
p-Dinitrobenzene		
4,6-Dinitro-o-cresol and salts	Phenol, 2-methyl-4,6-dinitro-	10 (4.54)
Dinitrophenol		10 (4.54)
2,5-Dinitrophenol		
2,6-Dinitrophenol		
2,4-Dinitrophenol	Phenol, 2,4-dinitro-	10 (4.54)
Dinitrotoluene		10 (4.54)
3,4-Dinitrotoluene		
2,4-Dinitrotoluene	Benzene, 1-methyl-2,4-dinitro-	10 (4.54)
2,6-Dinitrotoluene	Benzene, 2-methyl-1,3-dinitro-	100 (45.4)
Dinoseb	Phenol, 2-(1-methylpropyl)-4,6-dinitro	1000 (454)
Di-n-octyl phthalate	1,2-Benzenedicarboxylic acid, dioctyl ester	5000 (2270)
1,4-Dioxane	1,4-Diethylene dioxide	100 (45.4)
1,2-Diphenylhydrazine	Hydrazine, 1,2-diphenyl-	10 (4.54)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Diphosphoramide, octamethyl-	Octamethylpyrophosphoramide	100 (45.4)
Diphosphoric acid, tetraethyl ester	Tetraethyl pyrophosphate *	10 (4.54)
Dipropylamine	1-Propanamine, N-propyl-	5000 (2270)
Di-n-propylnitrosamine	1-Propanamine, N-nitroso-N-propyl-	10 (4.54)
Diquat		1000 (454)
Disulfoton *	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester	1 (0.454)
Dithiobiuret	Thioimidodicarbonic diamide [(H2N)C(S)]2NH	100 (45.4)
Diuron		100 (45.4)
Dodecylbenzenesulfonic acid *		1000 (454)
Endosulfan *	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide.	1 (0.454)
alpha - Endosulfan		1 (0.454)
beta - Endosulfan		1 (0.454)
Endosulfan sulfate		1 (0.454)
Endothall	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	1000 (454)
Endrin *	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1,a,2,2a,3,6,6a,7,7a-octa-hydro-,(1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)-.	1 (0.454)
Endrin, & metabolites	Endrin, & metabolites	
	Endrin	1 (0.454)
	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octa-hydro-,(1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)-.	
Endrin aldehyde		1 (0.454)
Epichlorohydrin *	Oxirane, (chloromethyl)-	100 (45.4)
Epinephrine	1,2-Benzenediol,4-[1-hydroxy-2-(methylamino)ethyl]	1000 (454)
Ethanal	Acetaldehyde *	1000 (454)
Ethanamine, N-ethyl-N-nitroso-	N-Nitrosodiethylamine	1 (0.454)
Ethane, 1,2-dibromo-	Ethylene dibromide *	1 (0.454)
Ethane, 1,1-dichloro-	Ethylidene dichloride	1000 (454)
	1,1-Dichloroethane	
Ethane, 1,2-dichloro-	Ethylene dichloride *	100 (45.4)
	1,2-Dichloroethane	
Ethane, hexachloro-	Hexachloroethane *	100 (45.4)
Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-	Bis(2-chloroethoxy)methane	1000 (454)
	Dichloromethoxy ethane	
Ethane, 1,1'-oxybis-	Ethyl ether *	100 (45.4)
Ethane, 1,1'-oxybis(2-chloro-	Bis (2-chloroethyl) ether	10 (4.54)
	Dichloroethyl ether	
Ethane, pentachloro-	Pentachloroethane	10 (4.54)
Ethane, 1,1,1,2-tetrachloro-	1,1,1,2-Tetrachloroethane—	100 (45.4)
	Tetrachloroethane @	
Ethane, 1,1,2,2 tetrachloro-	1,1,2,2-Tetrachloroethane—	100 (45.4)
	Tetrachloroethane @	
Ethane, 1,1,2-trichloro-	1,1,2-Trichloroethane	100 (45.4)
Ethane, 1,1,1-trichloro-	Methyl chloroform	1000 (454)
	1,1,1-Trichloroethane *	
1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienyl-methyl)-	Methapyrilene	5000 (2270)
Ethanedinitrile	Cyanogen *	100 (45.4)
Ethanenitrile	Acetonitrile *	5000 (2270)
Ethanethioamide	Thioacetamide	10 (4.54)
Ethanimidothicic acid, N-[[(methylamino)carbonyl] oxy] , methyl ester	Methomyl	100 (45.4)
Ethanol, 2-ethoxy-	Ethylene glycol monoethyl ether *	1000 (454)
Ethanol, 2,2'-(nitrosoimino)bis-	N-Nitrosodiethanolamine	1 (0.454)
Ethanone, 1-phenyl-	Acetophenone	5000 (2270)
Ethanoyl chloride	Acetyl chloride *	5000 (2270)
Ethene, chloro-	Vinyl chloride *	1 (0.454)
Ethene, 2-chloroethoxy-	2-Chloroethyl vinyl ether	1000 (454)
Ethene, 1,1-dichloro-	Vinylidene chloride *	100 (45.4)
	1,1-Dichloroethylene	
Ethene, 1,2-dichloro- (E)	1,2-Dichloroethylene	1000 (454)
Ethene, tetrachloro-	Perchloroethylene	100 (45.4)
	Tetrachloroethane	
	Tetrachloroethylene	
Ethene, trichloro-	Trichloroethene	100 (45.4)
	Trichloroethylene	
Ethion *		10 (4.54)
Ethyl acetate *	Acetic acid, ethyl ester	5000 (2270)
Ethyl acrylate *	2-Propenoic acid, ethyl ester	1000 (454)
Ethylbenzene *		1000 (454)
Ethyl carbamate (Urethan)	Carbamic acid, ethyl ester	100 (45.4)
Ethyl chloride @	Chloroethane	100 (45.4)
Ethyl cyanide	Propanenitrile	10 (4.54)
Ethylene dibromide *	Ethane, 1,2-dibromo-	1 (0.454)
Ethylene dichloride *	1,2-Dichloroethane	100 (45.4)
	Ethane, 1,2-dichloro-	
Ethylene glycol monoethyl ether *	Ethanol, 2-ethoxy	1000 (454)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Ethylene imine @	Aziridine	1 (0.454)
	Ethylenimine	
Ethylene oxide *	Oxirane	10 (4.54)
Ethylenebisdithiocarbamic acid	Ethylenebisdithiocarbamic acid, salts and esters	5000 (2270)
Ethylenebisdithiocarbamic acid, salts and esters	Ethylenebisdithiocarbamic acid	5000 (2270)
Ethylenediamine *		5000 (2270)
Ethylenediamine tetraacetic acid (EDTA)		5000 (2270)
Ethylenethiourea	2-Imidazolidinethione	10 (4.54)
Ethylenimine	Aziridine—	1 (0.454)
	Ethylene imine@	
Ethyl ether *	Ethane, 1,1'-oxybis-	100 (45.4)
Ethylidene dichloride	Ethane, 1,1-dichloro-	1000 (454)
	1,1-Dichloroethane	
Ethyl methacrylate	2-Propenoic acid, 2-methyl-, ethyl ester	1000 (454)
Ethyl methanesulfonate	Methanesulfonic acid, ethyl ester	1 (0.454)
Ethyl methyl ketone @	2-Butanone	5000 (2270)
	Methyl ethyl ketone (MEK) *	
Famphur	Phosphorothioic acid, O,[4-[(dimethylamino)-sulfonyl] phenyl] O,O-dimethylester.	1000 (454)
Ferric ammonium citrate		1000 (454)
Ferric ammonium oxalate		1000 (454)
Ferric chloride		1000 (454)
Ferric fluoride		100 (45.4)
Ferric nitrate *		1000 (454)
Ferric sulfate		1000 (454)
Ferrous ammonium sulfate		1000 (454)
Ferrous chloride *		100 (45.4)
Ferrous sulfate		1000 (454)
Fluoranthene	Benzo[j,k]fluorene	100 (45.4)
Fluorene		5000 (2270)
Fluorine *		10 (4.54)
Fluoroacetamide	Acetamide, 2-fluoro-	100 (45.4)
Fluoroacetic acid, sodium salt	Acetic acid, fluoro-, sodium salt	10 (4.54)
Formaldehyde *	Methylene oxide	100 (45.4)
Formic acid *	Methanoic acid	5000 (2270)
Fulminic acid, mercury(2+)salt	Mercury fulminate	10 (4.54)
Fumaric acid		5000 (2270)
Furan *	Furfuran	100 (45.4)
Furan, tetrahydro-	Tetrahydrofuran *	1000 (454)
2-Furancarboxaldehyde	Furfural *	5000 (2270)
2,5-Furandione	Maleic anhydride *	5000 (2270)
Furfural *	2-Furancarboxaldehyde	5000 (2270)
Furfuran	Furan *	100 (45.4)
Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-	Streptozotocin	1 (0.454)
	D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-	
D-Glucose, 2-deoxy-2-[[methylnitrosoamino)-carbonyl]amino]-	Streptozotocin	1 (0.454)
	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-	
Glycidylaldehyde	Oxiranecarboxyaldehyde	10 (4.54)
Guanidine, N-methyl-N'-nitro-N-nitroso-	MNNG	10 (4.54)
Guthion *	Azinphos methyl @	1 (0.454)
Heptachlor	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-	1 (0.454)
Heptachlor epoxide		1 (0.454)
Hexachlorobenzene	Benzene, hexachloro-	10 (4.54)
Hexachlorobutadiene	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-	1 (0.454)
Hexachlorocyclohexane (gamma isomer)	gamma - BHC	1 (0.454)
	Lindane *—	
	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-.	
Hexachlorocyclopentadiene *	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	10 (4.54)
Hexachloroethane *	Ethane, hexachloro-	100 (45.4)
1,2,3,4,10-10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo,exo-dimethanonaphthalene.	Aldrin *	1 (0.454)
	1,4,5,8-Dimethanonaphthalene,1,2,3,4,10,10-1Ohexachloro-1,4,4a,5,8,8a-hexahydro-,(1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)-.	
Hexachlorophene	Phenol, 2,2'-methylenebis[3,4,6-trichloro	100 (45.4)
Hexachloropropene	1-Propene, 1,1,2,3,3,3-hexachloro-	1000 (454)
Hexaethyl tetraphosphate *	Tetraphosphoric acid, hexaethyl ester	100 (45.4)
2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	Uracil mustard	10 (4.54)
Hydrazine *	Diamine	1 (0.454)
Hydrazine, 1,2-diethyl-	N,N'-Diethylhydrazine	10 (4.54)
Hydrazine, 1,1-dimethyl-	1,1-Dimethylhydrazine	10 (4.54)
	Dimethylhydrazine, unsymmetrical @	
Hydrazine, 1,2-dimethyl-	1,2-Dimethylhydrazine	1 (0.454)
Hydrazine, 1,2-diphenyl-	1,2-Diphenylhydrazine	10 (4.54)
Hydrazine, methyl-	Methyl hydrazine *	10 (4.54)
Hydrazinecarbothioamide	Thiosemicarbazide	100 (45.4)
Hydrochloric acid *	Hydrogen chloride *	5000 (2270)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Hydrocyanic acid *	Hydrogen cyanide	10 (4.5
Hydrofluoric acid *	Hydrogen fluoride *	100 (45.
Hydrogen chloride *	Hydrochloric acid *	5000 (227
Hydrogen cyanide	Hydrocyanic acid *	10 (4.5
Hydrogen fluoride *	Hydrofluoric acid *	100 (45.
Hydrogen phosphide	Phosphine *	100 (45.
Hydrogen sulfide *	Hydrogen sulfide H2S	100 (45.
Hydrogen sulfide H2S	Hydrogen sulfide	100 (45.
Hydroperoxide, 1-methyl-1-phenylethyl-	alpha,alpha-Dimethylbenzyl hydroperoxide	10 (4.5
	Cumene hydroperoxide @	
2-Imidazolidinethione	Ethylenethiourea	10 (4.5
Indeno(1,2,3-cd)pyrene	1,10-(1,2-Phenylene)pyrene	100 (45.
1,3-Isobenzofurandione	Phthalic anhydride	5000 (227
Isobutyl alcohol	1-Propanol, 2-methyl-	5000 (227
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)-	1 (0.45
Isophorone		5000 (227
Isoprene *		100 (45.
Isopropanolamine dodecylbenzene sulfonate		1000 (45
Isosafrole	1,3-Benzodioxole, 5-(1-propenyl)-	100 (45.
3(2H)-Isoxazolone, 5-(aminomethyl)-	5-(Aminomethyl)-3-isoxazolol	1000 (45
	Muscimol	
Kepone	1,3,4-Metheno-2H-cyclobuta[cd]-pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-	1 (0.45
Lasiocarpine	2-Butenoic acid, 2-methyl-,7[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7(2S*, 3R*),7aalpha]]-	10 (4.5
Lead &		1 (0.45
Lead acetate	Acetic acid, lead (2+) salt	5000 (227
Lead arsenate *		1 (0.45
Lead, bis(acetato-O)tetrahydroxytri	Lead subacetate	100 (45.
Lead chloride *		100 (45.
Lead fluoborate *		100 (45.
Lead fluoride *		100 (45.
Lead iodide		100 (45.
Lead nitrate *		100 (45.
Lead phosphate	Phosphoric acid, lead(2+) salt (2:3)	1 (0.45
Lead stearate		5000 (227
Lead subacetate	Lead, bis(acetato-O)tetrahydroxytri	100 (45.
Lead sulfate *		100 (45.
Lead sulfide		5000 (227
Lead thiocyanate		100 (45.
Lindane *	gamma - BHC	1 (0.45
	Hexachlorocyclohexane (gamma isomer)	
	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-	
Lithium chromate		10 (4.5
Malathion *		100 (45.
Maleic acid *		5000 (227
Maleic anhydride *	2,5-Furandione	5000 (227
Maleic hydrazide	3,6-Pyridazinedione, 1,2-dihydro-	5000 (227
Malononitrile	Propanedinitrile	1000 (45
Melphalan	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-	1 (0.45
Mercaptodimethur		10 (4.5
Mercuric cyanide *		1 (0.45
Mercuric nitrate *		10 (4.5
Mercuric sulfate *		10 (4.5
Mercuric thiocyanate		10 (4.5
Mercurous nitrate *		10 (4.5
Mercury *		1 (0.45
Mercury, (acetato-O)phenyl-	Phenylmercuric acetate	100 (45.
Mercury fulminate	Fulminic acid, mercury(2+) salt	10 (4.5
Methacrylonitrile	2-Propenenitrile, 2-methyl-	1000 (45
Methanamine, N-methyl-	Dimethylamine *	1000 (45
Methanamine, N-methyl-N-nitroso	N-Nitrosodimethylamine	10 (4.5
Methane, bromo-	Methyl bromide *	1000 (45
Methane, chloro-	Chloromethane	100 (45.
	Methyl chloride *	
Methane, chloromethoxy-	Chloromethyl methyl ether	1 (0.45
	Methylchloromethyl ether @	
Methane, dibromo-	Methylene bromide	1000 (45
Methane, dichloro-	Methylene chloride *	1000 (45
	Dichloromethane @	
Methane, dichlorodifluoro-	Dichlorodifluoromethane *	5000 (227
Methane, iodo-	Methyl iodide	100 (45
Methane, isocyanato-	Methyl isocyanate *	1 (0.4
Methane, oxybis(chloro-	Dichloromethyl ether	1 (0.45

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Methane, tetrachloro-	Carbon tetrachloride *	10 (4.54)
Methane, tetranitro-	Tetranitromethane *	10 (4.54)
Methane, tribromo-	Bromoform	100 (45.4)
Methane, trichloro-	Chloroform *	10 (4.54)
Methane, trichlorofluoro-	Trichloromonofluoromethane	5000 (2270)
Methanesulfenyl chloride, trichloro-	Perchloromethyl mercaptan @	100 (45.4)
	Trichloromethanesulfenyl chloride	
Methanesulfonic acid, ethyl ester	Ethyl methanesulfonate	1 (0.454)
Methanethiol	Methyl mercaptan *	100 (45.4)
	Thiomethanol	
6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide.	Endosulfan *	1 (0.454)
Methanoic acid	Formic acid *	5000 (2270)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-a,4,7,7a-tetrahydro-	Heptachlor	1 (0.454)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-.	Chlordane *	1 (0.454)
	Chlordane, technical *	
	Chlordane, alpha & gamma isomers	
Methanol *	Methyl alcohol *	5000 (2270)
Methapyrilene	1,2-Ethanediamine, N-N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-	5000 (2270)
1,3,4-Metheno-2H-cyclobuta[cd]-pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachloroctahydro-.	Kepone *	1 (0.454)
Methomyl	Ethanimidothioic acid, N-[[(methylamino)carbonyl] oxy]-, methyl ester	100 (45.4)
Methoxychlor	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-	1 (0.454)
Methyl alcohol *	Methanol *	5000 (2270)
Methylamine @	Monomethylamine	100 (45.4)
Methyl bromide *	Methane, bromo-	1000 (454)
1-Methylbutadiene	1,3-Pentadiene	100 (45.4)
Methyl chloride *	Chloromethane	100 (45.4)
	Methane, chloro-	
Methyl chlorocarbonate *	Carbonochloridic acid, methyl ester	1000 (454)
	Methyl chloroformate *	
Methyl chloroform *	1,1,1-Trichloroethane *	1000 (454)
	Ethane, 1,1,1-trichloro-	
Methyl chloroformate *	Carbonochloridic acid, methyl ester	1000 (454)
	Methyl chlorocarbonate *	
Methylchloromethyl ether @	Chloromethyl methyl ether	1 (0.454)
	Methane, chloromethoxy-	
3-Methylcholanthrene	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	10 (4.54)
4,4'-Methylenebis(2-chloroaniline)	Benzenamine, 4,4'-methylenebis(2-chloro-	10 (4.54)
Methylene bromide	Methane, dibromo-	1000 (454)
Methylene chloride *	Methane, dichloro—	1000 (454)
	Dichloromethane @	
Methylene oxide	Formaldehyde *	100 (45.4)
Methyl ethyl ketone (MEK) *	2-Butanone	5000 (2270)
	Ethyl methyl ketone @	
Methyl ethyl ketone peroxide *	2-Butanone peroxide	10 (4.54)
Methyl hydrazine *	Hydrazine, methyl-	10 (4.54)
Methyl iodide	Methane, iodo-	100 (45.4)
Methyl isobutyl ketone	4-Methyl-2-pentanone	5000 (2270)
Methyl isocyanate *	Methane, isocynato-	1 (0.454)
2-Methyllactonitrile	Acetone cyanohydrin *	10 (4.54)
	Propanenitrile, 2-hydroxy-2-methyl-	
Methyl mercaptan *	Methanethiol	100 (45.4)
	Thiomethanol	
Methyl methacrylate *	2-Propenoic acid, 2-methyl-, methyl ester	1000 (454)
Methyl parathion *	Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester	100 (45.4)
4-Methyl-2-pentanone	Methyl isobutyl ketone	5000 (2270)
Methylthiouracil	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	10 (4.54)
Mevinphos *		10 (4.54)
Mexacarbate *		1000 (454)
Mitomycin C	Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione,6-amino-8-[[(aminocarbonyl)oxy] methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8aalpha,8balpha)]-.	10 (4.54)
MNNG	Guanidine, N-methyl-N'-nitro-N-nitroso-	10 (4.54)
Monoethylamine *		100 (45.4)
Monomethylamine	Methylamine @	100 (45.4)
Muscimol	5-(Aminomethyl)-3-isoxazolol	1000 (454)
	3(2H)-isoxazolone, 5-(aminomethyl)-	
Naled		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)-	Daunomycin	10 (4.54)
Naphthalenamine, N,N-bis(2-chloroethyl)-	Chlornaphazine	100 (45.4)
Naphthalene *		100 (45.4)
Naphthalene, 2-chloro-	beta-Chloronaphthalene	5000 (2270)
	2-Chloronaphthalene	
1,4-Naphthalenedione	1,4-Naphthoquinone	5000 (2270)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'- dimethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-tetrasodium salt.	Trypan blue	10 (4.54)
Naphthenic acid		100 (45.4)
1,4-Naphthoquinone	1,4-Naphthalenedione	5000 (2270)
alpha-Naphthylamine	1-Naphthylamine	100 (45.4)
beta-Naphthylamine	2-Naphthylamine	1 (0.454)
1-Naphthylamine	alpha-Naphthylamine	100 (45.4)
2-Naphthylamine	beta-Naphthylamine	1 (0.454)
alpha-Naphthylthiourea	Thiourea, 1-naphthalenyl-	100 (45.4)
Nickel ¢		100 (45.4)
Nickel ammonium sulfate		100 (45.4)
Nickel carbonyl *	Nickel carbonyl Ni(CO)4, (T-4)	10 (4.54)
Nickel carbonyl Ni(CO)4,(T-4)-	Nickel carbonyl *	10 (4.54)
Nickel chloride		100 (45.4)
Nickel cyanide *	Nickel cyanide Ni(CN)2	10 (4.54)
Nickel cyanide Ni(CN)2	Nickel cyanide *	10 (4.54)
Nickel hydroxide		10 (4.54)
Nickel nitrate *		100 (45.4)
Nickel sulfate		100 (45.4)
Nicotine * and salts *	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-	100 (45.4)
Nitric acid *		1000 (454)
Nitric acid, thallium(1+) salt	Thallium(I) nitrate	100 (45.4)
Nitric oxide *	Nitrogen oxide NO	10 (4.54)
p-Nitroaniline *	Benzenamine, 4-nitro-	5000 (2270)
Nitrobenzene *	Benzene, nitro-	1000 (454)
Nitrogen dioxide *	Nitrogen oxide NO2	10 (4.54)
	Nitrogen peroxide @	
	Nitrogen tetroxide @	
Nitrogen oxide NO	Nitric oxide *	10 (4.54)
Nitrogen oxide NO2	Nitrogen dioxide *	10 (4.54)
	Nitrogen peroxide @	
	Nitrogen tetroxide @	
Nitrogen peroxide @	Nitrogen dioxide *	10 (4.54)
	Nitrogen oxide NO2	
	Nitrogen tetroxide @	
Nitrogen tetroxide @	Nitrogen dioxide *	10 (4.54)
	Nitrogen oxide NO2	
	Nitrogen peroxide	
Nitroglycerine *	1,2,3-Propanetriol, trinitrate-	10 (4.54)
Nitrophenol (mixed)		100 (45.4)
m-		
o-	2-Nitrophenol	
p-	4-Nitrophenol	
	Phenol, 4-nitro-	
o-Nitrophenol	2-Nitrophenol	100 (45.4)
p-Nitrophenol	Phenol, 4-nitro-	100 (45.4)
	4-Nitrophenol	
2-Nitrophenol	o-Nitrophenol	100 (45.4)
4-Nitrophenol	p-Nitrophenol	100 (45.4)
	Phenol, 4-nitro-	
2-Nitropropane	Propane, 2-nitro-	10 (4.54)
N-Nitrosodi-n-butylamine	1-Butanamine, N-butyl-N-nitroso-	10 (4.54)
N-Nitrosodiethanolamine	Ethanol, 2,2'-(nitrosoimino)bis-	1 (0.454)
N-Nitrosodiethylamine	Ethanamine, N-ethyl-N-nitroso-	1 (0.454)
N-Nitrosodimethylamine	Methanamine, N-methyl-N-nitroso-	10 (4.54)
N-Nitrosodiphenylamine		100 (45.4)
N-Nitroso-N-ethylurea	Urea, N-ethyl-N-nitroso-	1 (0.454)
N-Nitroso-N-methylurea	Urea, N-methyl-N-nitroso-	1 (0.454)
N-Nitroso-N-methylurethane	Carbamic acid, methylnitroso-, ethyl ester	1 (0.454)
N-Nitrosomethylvinylamine	Vinylamine, N-methyl-N-nitroso-	10 (4.54)
N-Nitrosopiperidine	Piperidine, 1-nitroso-	10 (4.54)
N-Nitrosopyrrolidine	Pyrrolidine, 1-nitroso-	1 (0.454)
Nitrotoluene		1000 (454)
m-Nitrotoluene		
o-Nitrotoluene		
p-Nitrotoluene		
5-Nitro-o-toluidine	Benzenamine, 2-methyl-5-nitro-	100 (45.4)
Octamethylpyrophosphoramide	Diphosphoramide, octamethyl-	100 (45.4)
Osmium oxide OsO4 (T-4)-	Osmium tetroxide	1000 (454)
Osmium tetroxide	Osmium oxide OsO4 (T-4)-	1000 (454)
7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	Endothall	1000 (454)
1,2-Oxathiolane, 2,2-dioxide	1,3-Propane sultone	10 (4.54)
2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide.	Cyclophosphamide	10 (4.54)
Oxirane	Ethylene oxide *	10 (4.54)
Oxiranecarboxyaldehyde	Glycidylaldehyde	10 (4.54)
Oxirane, (chloromethyl)-	Epichlorohydrin *	100 (45.4)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Paraformaldehyde *		1000 (454)
Paraldehyde *	1,3,5-Trioxane, 2,4,6-trimethyl-	1000 (454)
Parathion *	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl)ester	10 (4.54)
Pentachlorobenzene	Benzene, pentachloro-	10 (4.54)
Pentachloroethane	Ethane, pentachloro-	10 (4.54)
Pentachloronitrobenzene (PCNB)	Benzene, pentachloronitro-	100 (45.4)
Pentachlorophenol	Phenol, pentachloro-	10 (4.54)
1,3-Pentadiene	1-Methylbutadiene	100 (45.4)
Perchloroethylene *	Ethene, tetrachloro-	100 (45.4)
	Tetrachloroethene	
	Tetrachloroethylene *	
Perchloromethyl mercaptan @	Methanesulfenyl chloride, trichloro-	100 (45.4)
	Trichloromethanesulfenyl chloride	
Phenacetin	Acetamide, N-(4-ethoxyphenyl)-	100 (45.4)
Phenanthrene		5000 (2270)
Phenol *	Benzene, hydroxy-	1000 (454)
Phenol, 2-chloro-	o-Chlorophenol	100 (45.4)
	2-Chlorophenol	
Phenol, 4-chloro-3-methyl-	p-Chloro-m-cresol	5000 (2270)
	4-Chloro-m-cresol	
Phenol, 2-cyclohexyl-4,6-dinitro-	2-Cyclohexyl-4,6-dinitrophenol	100 (45.4)
Phenol, 2,4-dichloro-	2,4-Dichlorophenol	100 (45.4)
Phenol, 2,6-dichloro-	2,6-Dichlorophenol	100 (45.4)
Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)	Diethylstilbestrol	1 (0.454)
Phenol, 2,4-dimethyl-	2,4-Dimethylphenol	100 (45.4)
Phenol, 2,4-dinitro-	2,4-Dinitrophenol	10 (4.54)
Phenol, methyl-	Cresol(s) *	1000 (454)
	Cresylic acid	
m-Cresol	m-Cresylic acid	
o-Cresol	o-Cresylic acid	
p-Cresol	p-Cresylic acid	
Phenol, 2-methyl-4,6-dinitro-	4,6-Dinitro-o-cresol and salts	10 (4.54)
Phenol, 2,2'-methylenebis[3,4,6-trichloro-	Hexachlorophene	100 (45.4)
Phenol, 2-(1-methylpropyl)-4,6-dinitro	Dinoseb	1000 (454)
Phenol, 4-nitro-	p-Nitrophenol	100 (45.4)
	4-Nitrophenol	
Phenol, pentachloro-	Pentachlorophenol	10 (4.54)
Phenol, 2,3,4,6-tetrachloro-	2,3,4,6-Tetrachlorophenol	10 (4.54)
Phenol, 2,4,5-trichloro-	2,4,5-Trichlorophenol	10 (4.54)
Phenol, 2,4,6-trichloro-	2,4,6-Trichlorophenol	10 (4.54)
Phenol, 2,4,6-trinitro-, ammonium salt	Ammonium picrate *	10 (4.54)
L-Phenylalanine, 4-[bis(2-chloroethyl)aminol]	Melphalan	1 (0.454)
Phenyl dichloroarsine @	Dichlorophenylarsine—	1 (0.454)
	Arsonous dichloride, phenyl-	
1,10-(1,2-Phenylene)pyrene	Indeno(1,2,3-cd)pyrene	100 (45.4)
Phenyl mercaptan @	Benzenethiol	100 (45.4)
	Thiophenol *	
Phenylmercuric acetate	Mercury, (acetato-O)phenyl-	100 (45.4)
Phenylthiourea	Thiourea, phenyl-	100 (45.4)
Phorate	Phosphorodithioic acid, O,O-diethyl S-(ethylthio), methylester	10 (4.54)
Phosgene *	Carbonic dichloride	10 (4.54)
Phosphine *	Hydrogen phosphide	100 (45.4)
Phosphoric acid *		5000 (2270)
Phosphoric acid, diethyl 4-nitrophenyl ester	Diethyl-p-nitrophenyl phosphate	100 (45.4)
Phosphoric acid, lead(2+) salt (2:3)	Lead phosphate	1 (0.454)
Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester	Disulfoton *	1 (0.454)
Phosphorodithioic acid, O,O-diethyl S-(ethylthio), methyl ester	Phorate	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-methyl ester	O,O-Diethyl S-methyl dithiophosphate	5000 (2270)
Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester.	Dimethoate	10 (4.54)
Phosphorofluoridic acid, bis(1-methylethyl) ester	Diisopropyl fluorophosphate	100 (45.4)
Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester	Parathion *	10 (4.54)
Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	O,O-Diethyl O-pyrazinyl phosphorothioate	100 (45.4)
Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester	Methyl parathion *	100 (45.4)
Phosphorothioic acid, O,[4-[(dimethylamino)sulfonyl] phenyl] O,O-dimethyl ester.	Famphur	1000 (454)
Phosphorus *		1 (0.454)
Phosphorus oxychloride *		1000 (454)
Phosphorus pentasulfide *	Phosphorus sulfide	100 (45.4)
	Sulfur phosphide	
Phosphorus sulfide	Phosphorus pentasulfide *	100 (45.4)
	Sulfur phosphide	
Phosphorus trichloride *		1000 (454)
Phthalic anhydride	1,3-Isobenzofurandione	5000 (2270)
Picoline	Pyridine, 2-methyl-	5000 (2270)
Piperidine, 1-nitroso-	N-Nitrosopiperidine	10 (4.54)
Plumbane, tetraethyl-	Tetraethyl lead *	10 (4.54)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
POLYCHLORINATED BIPHENYLS (PCBs)	Aroclor 1016	1 (0.454)
	Aroclor 1221	
	Aroclor 1232	
	Aroclor 1242	
	Aroclor 1248	
	Aroclor 1254	
	Aroclor 1260	
Potassium arsenate *		1 (0.454)
Potassium arsenite *		1 (0.454)
Potassium bichromate	Potassium dichromate @	10 (4.54)
Potassium chromate		10 (4.54)
Potassium cyanide *	Potassium cyanide K(CN)	10 (4.54)
Potassium cyanide K(CN)	Potassium cyanide	10 (4.54)
Potassium dichromate @	Potassium bichromate	10 (4.54)
Potassium hydroxide *		1000 (454)
Potassium permanganate *		100 (45.4)
Potassium silver cyanide	Argentate(1-), bis(cyano-C)-, potassium	1 (0.454)
Pronamide	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	5000 (2270)
Propanal, 2-methyl-2-(methylthio)-,O-[(methylamino)carbonyl]oxime	Aldicarb	1 (0.454)
1-Propanamine	n-Propylamine *	5000 (2270)
1-Propanamine, N-nitroso-N-propyl-	Di-n-propylnitrosamine	10 (4.54)
1-Propanamine, N-propyl-	Dipropylamine	5000 (2270)
Propane, 1,2-dibromo-3-chloro-	1,2-Dibromo-3-chloropropane	1 (0.454)
Propane, 1,2-dichloro-	1,2-Dichloropropane	1000 (454)
	Propylene dichloride *	
Propane, 2-nitro-	2-Nitropropane	10 (4.54)
Propane, 2,2'-oxybis [2-chloro-	Dichloroisopropyl ether	1000 (454)
1,3-Propane sultone	1,2-Oxathiolane, 2,2-dioxide	10 (4.54)
Propanedinitrile	Malononitrile	1000 (454)
Propanenitrile	Ethyl cyanide	10 (4.54)
Propanenitrile, 3-chloro-	3-Chloropropionitrile	1000 (454)
Propanenitrile, 2-hydroxy-2-methyl-	Acetone cyanohydrin *	10 (4.54)
	2-Methyllactonitrile	
1,2,3-Propanetriol, trinitrate-	Nitroglycerine *	10 (4.54)
1-Propanol, 2,3-dibromo-, phosphate (3:1)	Tris(2,3-dibromopropyl)phosphate	10 (4.54)
1-Propanol, 2-methyl-	Isobutyl alcohol	5000 (227(
2-Propanone	Acetone *	5000 (227(
2-Propanone, 1-bromo-	Bromoacetone *	1000 (454)
Propargite		10 (4.54)
Propargyl alcohol *	2-Propyn-1-ol	1000 (454)
2-Propenal	Acrolein *	1 (0.454)
2-Propenamide	Acrylamide	5000 (2270)
1-Propene, 1,3-dichloro-	1,3-Dichloropropene	100 (45.4)
1-Propene, 1,1,2,3,3,3-hexachloro-	Hexachloropropene	1000 (454)
2-Propenenitrile	Acrylonitrile *	100 (45.4)
2-Propenenitrile, 2-methyl-	Methacrylonitrile	1000 (454)
2-Propenoic acid	Acrylic acid *	5000 (2270)
2-Propenoic acid, ethyl ester	Ethyl acrylate *	1000 (454)
2-Propenoic acid, 2-methyl-, ethyl ester	Ethyl methacrylate	1000 (454)
2-Propenoic acid, 2-methyl-, methyl ester	Methyl methacrylate *	1000 (454)
2-Propen-1-ol	Allyl alcohol *	100 (45.4)
Propionic acid *		5000 (2270)
Propionic acid, 2-(2,4,5-trichlorophenoxy)-	Silvex (2,4,5-TP)	100 (45.4)
	2,4,5-TP @	
	2,4,5-TP acid	
Propionic anhydride		5000 (2270)
n-Propylamine *	1-Propanamine	5000 (2270)
Propylene dichloride *	1,2-Dichloropropane	1000 (454)
	Propane, 1,2-dichloro-	
Propylene oxide *		100 (45.4)
1,2-Propylenimine *	Aziridine, 2-methyl-	1 (0.454)
2-Propyn-1-ol	Propargyl alcohol *	1000 (454)
Pyrene		5000 (2270)
Pyrethrins		1 (0.454)
3,6-Pyridazinedione, 1,2-dihydro-	Maleic hydrazide	5000 (2270)
4-Pyridinamine	4-Aminopyridine	1000 (454)
Pyridine *		1000 (454)
Pyridine, 2-methyl-	2-Picoline	5000 (2270)
Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)	Nicotine * and salts *	100 (45.4)
4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	Methylthiouracil	10 (4.54)
Pyrrolidine, 1-nitroso-	N-Nitrosopyrrolidine	1 (0.454)
Quinoline		5000 (2270)
RADIONUCLIDES		See Table 2
Reserpine	Yohimban-16-carboxylic acid,11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy-, methyl ester—(3beta,16beta,17alpha,18beta,20alpha)-.	5000 (2270)
Resorcinol	1,3-Benzenediol	5000 (2270)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
Saccharin and salts	1,2-Benzisothiazol-3(2H)-one,1,1-dioxide	100 (45.4)
Safrole	1,3-Benzodioxole, 5-(2-propenyl)-	100 (45.4)
Selenious acid		10 (4.54)
Selenious acid, dithallium(1+) salt	Thallium selenite	1000 (454)
Selenium ¢		100 (45.4)
Selenium dioxide	Selenium oxide *	10 (4.54)
Selenium oxide *	Selenium dioxide	10 (4.54)
Selenium sulfide	Selenium sulfide SeS2	10 (4.54)
Selenium sulfide SeS2	Selenium sulfide	10 (4.54)
Selenourea	Carbamimidoselenoic acid	10 (4.54)
L-Serine, diazoacetate (ester)	Azaserine	1000 (454)
Silver ¢		1 (0.454)
Silver cyanide *	Silver cyanide Ag(CN)	1000 (454)
Silver cyanide Ag(CN)	Silver cyanide	1 (0.454)
Silver nitrate *		1 (0.454)
Silvex(2,4,5-TP)	Propionic acid, 2-(2,4,5-trichlorophenoxy)-	1 (0.454)
	2,4,5-TP @	100 (45.4)
	2,4,5-TP acid	
Sodium *		
Sodium arsenate *		10 (4.54)
Sodium arsenite *		1 (0.454)
Sodium azide *		1 (0.454)
Sodium bichromate	Sodium dichromate @	1000 (454)
Sodium bifluoride *		10 (4.54)
Sodium bisulfite *		100 (45.4)
Sodium chromate		5000 (2270)
Sodium cyanide *		10 (4.54)
Sodium cyanide Na(CN)	Sodium cyanide	10 (4.54)
Sodium dichromate @	Sodium bichromate	10 (4.54)
Sodium dodecylbenzene sulfonate		10 (4.54)
Sodium fluoride *		1000 (454)
Sodium hydrosulfide *		1000 (454)
Sodium hydroxide *		5000 (2270)
Sodium hypochlorite *		1000 (454)
Sodium methylate *		100 (45.4)
Sodium nitrite *		1000 (454)
Sodium phosphate, dibasic		100 (45.4)
Sodium phosphate, tribasic		5000 (2270)
Sodium selenite *		5000 (2270)
Streptozotocin	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)—	100 (45.4)
	D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-	1 (0.454)
Strontium chromate		
Strychnidin-10-one	Strychnine * and salts *	10 (4.54)
Strychnidin-10-one, 2,3-dimethoxy-	Brucine	10 (4.54)
Strychnine * and salts *	Strychnidin-10-one	100 (45.4)
Styrene		10 (4.54)
Sulfur chloride @	Sulfur monochloride	1000 (454)
Sulfur monochloride	Sulfur chloride @	1000 (454)
Sulfur phosphide	Phosphorus pentasulfide *	1000 (454)
	Phosphorus sulfide	100 (45.4)
Sulfuric acid *		
Sulfuric acid, dimethyl ester	Dimethyl sulfate *	1000 (454)
Sulfuric acid, dithallium(I+) salt	Thallium(I) sulfate *	100 (45.4)
2,4,5-T *	2,4,5-T acid	100 (45.4)
	Acetic acid, (2,4,5-trichlorophenoxy)	1000 (454)
2,4,5-T acid	2,4,5-T *	
	Acetic acid, (2,4,5-trichlorophenoxy)	1000 (454)
2,4,5-T amines		
2,4,5-T esters		5000 (2270)
2,4,5-T salts		1000 (454)
TDE *		1000 (454)
	DDD	1 (0.454)
	Benzene, 1,1'-(2,2-dichlorcethylidene)bis[4-chloro-	
1,2,4,5-Tetrachlorobenzene	4,4'-DDD	
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	Benzene, 1,2,4,5-tetrachloro-	5000 (2270)
1,1,1,2-Tetrachloroethane		1 (0.454)
	Ethane, 1,1,1,2-tetrachloro—	100 (45.4)
1,1,2,2-Tetrachloroethane	Tetrachloroethane @	
	Ethane, 1,1,2,2-tetrachloro-	100 (45.4)
Tetrachlorcethane @	Tetrachloroethane @	
	Ethane, 1,1,1,2-tetrachloro-	100 (45.4)
	Ethane, 1,1,2,2-tetrachloro-	
	1,1,1,2-Tetrachloroethane	
	1,1,2,-Tetrachloroethane	
Tetrachloroethene	Ethene, tetrachloro-	100 (45.4)
	Perchloroethylene *	
	Tetrachlorcethylene *	

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
D025 p-Cresol		1000 (454)
D026 Cresol		1000 (454)
D027 1,4-Dichlorobenzene		100 (45.4)
D028 1,2-Dichloroethane		100 (45.4)
D029 1,1-Dichloroethylene		100 (45.4)
D030 2,4-Dinitrotoluene		10 (4.54)
D031 Heptachlor (and hydroxide)		1 (0.454)
D032 Hexachlorobenzene		10 (4.54)
D033 Hexachlorobutadiene		1 (0.454)
D034 Hexachloroethane		100 (45.4)
D035 Methyl ethyl ketone		5000 (2270)
D036 Nitrobenzene		1000 (454)
D037 Pentachlorophenol		10 (4.54)
D038 Pyridine		1000 (454)
D039 Tetrachloroethylene		100 (45.4)
D040 Tricholorethylene		100 (45.4)
D041 2,4,5-Trichlorophenol		10 (4.54)
D042 2,4,6-Trichlorophenol		10 (4.54)
D043 Vinyl chloride		1 (0.454)
F001		10 (4.54)
The following spent halogenated solvents used in degreasing: all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the below listed 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		100 (45.4)
(b) Trichloroethylene		100 (45.4)
(c) Methylene chloride		1000 (454)
(d) 1,1,1-Trichloroethane		1000 (454)
(e) Carbon tetrachloride		10 (4.54)
(f) Chlorinated fluorocarbons		5000 (2270)
F002		10 (4.54)
The following spent halogenated solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the below listed halogenated solvents or those listed in F001, F004, F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures..		
(a) Tetrachloroethylene		100 (45.4)
(b) Methylene chloride		1000 (454)
(c) Trichloroethylene		100 (45.4)
(d) 1,1,1-Trichloroethane		1000 (454)
(e) Chlorobenzene		100 (45.4)
(f) 1,1,2-Trichloro-1,2,2-trifluoroethane		5000 (2270)
(g) o-Dichlorobenzene		100 (45.4)
(h) Trichlorofluoromethane		5000 (2270)
(i) 1,1,2 Trichloroethane		100 (45.4)
F003		100 (45.4)
The following spent non-halogenated solvents and solvents:		
(a) Xylene		1000 (454)
(b) Acetone		5000 (2270)
(c) Etnyl acetate		5000 (2270)
(d) Ethylbenzene		1000 (454)
(e) Ethyl ether		100 (45.4)
(f) Methyl isobutyl ketone		5000 (2270)
(g) n-Butyl alcohol		5000 (2270)
(h) Cyclohexanone		5000 (2270)
(i) Methanol		5000 (2270)
F004		1000 (454)
The following spent non-halogenated solvents and the stillbottoms from the recovery of these solvents:.		
(a) Cresols/Cresylic acid		1000 (454)
(b) Nitrobenzene		1000 (454)
F005		100 (45.4)
The following spent non-halogenated solvents and the stillbottoms from the recovery of these solvents:.		
(a) Toluene		1000 (454)
(b) Methyl ethyl ketone		5000 (2270)
(c) Carbon disulfide		100 (45.4)
(d) Isobutanol		5000 (2270)
(e) Pyridine		1000 (454)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
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 carbonsteel, (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 etchingand milling of aluminum.		10 (4.54)
F007 Spent cyanide plating bath solutions from electroplating operations		10 (4.54)
F008 Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process		10 (4.54)
F009 Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.		10 (4.54)
F010 Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.		10 (4.54)
F011 Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations (except for precious metals heat treating spent cyanide solutions from salt bath pot cleaning).		10 (4.54)
F012 Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process.		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.		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 (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 (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 (0.454)
F023 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 productionor use of hexachlorophene from highly purified 2,4,5-trichlorophenol.).		1 (0.454)
F024 Wastes, including but not limited to distillation residues, heavy ends, tars, and reactor cleanout wastes, from the production of chlorinated aliphatichydrocarbons, 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 dessicants(sic), wastewater, wastewater treatment sludges,spent catalysts, and wastes listed in 40 CFR 261.32.).		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 (0.454)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
K060		
Ammonia still lime sludge from coking operations		1 (0.454)
K061		
Emission control dust/sludge from the primary production of steel in electric furnaces.		1 (0.454)
K062		
Spent pickle liquor generated by steel finishing operatins of facilities within the iron and steel industry.		1 (0.454)
K064		
Acid plant blowdown slurry/sludge resulting from thickening of blowdoen slurry from primary copper production..		1 (0.454)
K065		
Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities..		1 (0.454)
K066		
Sludge from treatment of process wastewater and /or acid plant blowdown from primary zinc production..		1 (0.454)
K069		
Emission control dust/sludge from secondary lead smelting		1 (0.454)
K071		
Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.		1 (0.454)
K073		
Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production..		10 (4.54)
K083		
Distillation bottoms from aniline extraction		100 (45.4)
K084		
Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.		1 (0.454)
K085		
Distillation or fractionation column bottoms from the production of chlorobenzenes.		10 (4.54)
K086		
Solvent washes and sludges, caustic washes and sludges, orwater 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 (0.454)
K087		
Decanter tank tar sludge from coking operations		100 (45.4)
K088		
Spent potliners from primary aluminum reduction		1 (0.454)
K090		
Emission control dust or sludge from ferrochromiumsilicon production		1 (0.454)
K091		
Emission control dust or sludge from ferrochromium production.		1 (0.454)
K093		
Distillation light ends from the production of phthalic anhydride from ortho-xylene.		5000 (2270)
K094		
Distillation bottoms from the production of phthalic anhydride from ortho-xylene.		5000 (2270)
K095		
Distillation bottoms from the production of 1,1,1-trichloroethane		100 (45.4)
K096		
Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane..		100 (45.4)
K097		
Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.		1 (0.454)
K098		
Untreated process wastewater from the production of toxaphene		1 (0.454)
K099		
Untreated wastewater from the production of 2,4-D		10 (4.54)
K100		
Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.		1 (0.454)
K101		
Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.		1 (0.454)
K102		
Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.		1 (0.454)

Table 1—Hazardous Substances Other Than Radionuclides—Continued

Hazardous Substance	Synonyms	Reportable Quantity (RQ) Pounds (Kilograms)
K103		
Process residues from aniline extraction from the production of aniline		100 (45.4)
K104		
Combined wastewater streams generated from nitrobenzene/aniline chlorobenzenes.		10 (4.54)
K105		
Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.		10 (4.54)
K106		
Wastewater treatment sludge from the mercury cell process in chlorine production.		1 (0.454)
K107		
Column bottoms from product seperation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazines.		10 (4.54)
K108		
Condensed column overheads from product seperation and condensed reator vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.		10 (4.54)
K109		
Spent filter cartidges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydazides.		10 (4.54)
K110		
Condensed column overheads from intermediate seperation from the production of 1,1-dimethylhydrazines (UDMH) from carboxylic acid hydrazides.		10 (4.54)
K111		
Product washwaters from the production of dinitrotoluene via nitration of toluene..		10 (4.54)
K112		
Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene..		10 (4.54)
K113		
Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene..		10 (4.54)
K114		
Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene..		10 (4.54)
K115		
Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene..		10 (4.54)
K116		
Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine..		10 (4.54)
K117		
Wastewater from the reaction vent gas scrubber in the production of ethylene bromide via bromination of ethene..		1 (0.454)
K118		
Spent absorbent solids from purification of ethylene dibromide in the production of ethylene dibromide..		1 (0.454)
K123		
Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts..		10 (4.54)
K124		
Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts..		10 (4.54)
K125		
Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts..		10 (4.54)
K126		
Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts..		10 (4.54)
K131		
Waste water from the reactor and spent sulfuric acid from the acid dryer in the production of methyl bromide.		100 (45.4)
K132		
Spent absorbent and wastewater solids from the production of methyl bromide.		1000 (454)
K136		
Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene..		1 (0.454)

Footnotes:
¢ The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches)
¢¢ The RQ for asbestos is limited to friable forms only
@ Indicates that the name was added by HSPA because (1) the name is a synonym for a specific hazardous substance and (2) the name appears in the Hazardous Materials Table as a proper shipping name.
* Indicates that this material appears by name in the Hazardous Materials Table

List of Hazardous Substances and Reportable Quantities

Table2— Radionuclides

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Actinium-224	89	100 (3.7)
Actinium-225	89	1 (.037)
Actinium-226	89	10 (.37)
Actinium-227	89	0.001 (.000037)
Actinium-228	89	10 (.37)
Aluminum-26	13	10 (.37)
Americium-237	95	1000 (37)
Americium-238	95	100 (3.7)
Americium-239	95	100 (3.7)
Americium-240	95	10 (.37)
Americium-241	95	0.01 (.00037)
Americium-242	95	100 (3.7)
Americium-242m	95	0.01 (.00037)
Americium-243	95	0.01 (.00037)
Americium-244	95	10 (.37)
Americium-244m	95	1000 (37)
Americium-245	95	1000 (37)
Americium-246	95	1000 (37)
Americium-246m	95	1000 (37)
Antimony-115	51	1000 (37)
Antimony-116	51	1000 (37)
Antimony-116m	51	100 (3.7)
Antimony-117	51	1000 (37)
Antimony-118m	51	10 (.37)
Antimony-119	51	1000 (37)
Antimony-120 (16 min)	51	1000 (37)
Antimony-120 (5.76 day)	51	10 (.37)
Antimony-122	51	10 (.37)
Antimony-124	51	10 (.37)
Antimony-124m	51	1000 (37)
Antimony-125	51	10 (.37)
Antimony-126	51	10 (.37)
Antimony-126m	51	1000 (37)
Antimony-127	51	10 (.37)
Antimony-128 (10.4 min)	51	1000 (37)
Antimony-128 (9.01 hr)	51	10 (.37)
Antimony-129	51	100 (3.7)
Antimony-130	51	100 (3.7)
Antimony-131	51	1000 (37)
Argon-39	18	1000 (37)
Argon-41	18	10 (.37)
Arsenic-69	33	1000 (37)
Arsenic-70	33	100 (3.7)
Arsenic-71	33	100 (3.7)
Arsenic-72	33	10 (.37)
Arsenic-73	33	100 (3.7)
Arsenic-74	33	10 (.37)
Arsenic-76	33	100 (3.7)
Arsenic-77	33	1000 (37)
Arsenic-78	33	100 (3.7)
Astatine-207	85	100 (3.7)
Astatine-211	85	100 (3.7)
Barium-126	56	1000 (37)
Barium-128	56	10 (.37)
Barium-131	56	10 (.37)
Barium-131m	56	1000 (37)
Barium-133	56	10 (.37)
Barium-133m	56	100 (3.7)
Barium-135m	56	1000 (37)
Barium-139	56	1000 (37)
Barium-140	56	10 (.37)
Barium-141	56	1000 (37)
Barium-142	56	1000 (37)
Berkelium-245	97	100 (3.7)
Berkelium-246	97	10 (.37)
Berkelium-247	97	0.01 (.00037)
Berkelium-249	97	1 (.037)
Berkelium-250	97	100 (3.7)
Beryllium-10	4	1 (.037)
Beryllium-7	4	100 (3.7)
Bismuth-200	83	100 (3.7)
Bismuth-201	83	100 (3.7)
Bismuth-202	83	1000 (37)
Bismuth-203	83	10 (.37)
Bismuth-205	83	10 (.37)
Bismuth-206	83	10 (.37)
Bismuth-207	83	10 (.37)
Bismuth-210	83	10 (.37)
Bismuth-210m	83	0.1 (.0037)
Bismuth-212	83	100 (3.7)
Bismuth-213	83	100 (3.7)
Bismuth-214	83	100 (3.7)
Bromine-74	35	100 (3.7)
Bromine-74m	35	100 (3.7)
Bromine-75	35	100 (3.7)
Bromine-76	35	10 (.37)
Bromine-77	35	100 (3.7)
Bromine-80	35	1000 (37)
Bromine-80m	35	1000 (37)
Bromine-82	35	10 (.37)
Bromine-83	35	1000 (37)
Bromine-84	35	100 (3.7)
Cadmium-104	48	1000 (37)
Cadmium-107	48	1000 (37)
Cadmium-109	48	1 (.037)
Cadmium-113	48	0.1 (.0037)
Cadmium-113m	48	0.1 (.0037)
Cadmium-115	48	100 (3.7)
Cadmium-115m	48	10 (.37)
Cadmium-117	48	100 (3.7)
Cadmium-117m	48	10 (.37)
Calcium-41	20	10 (.37)
Calcium-45	20	10 (.37)
Calcium-47	20	10 (.37)
Californium-244	98	1000 (37)
Californium-246	98	10 (.37)
Californium-248	98	0.1 (.0037)
Californium-249	98	0.01 (.00037)
Californium-250	98	0.01 (.00037)
Californium-251	98	0.01 (.00037)
Californium-252	98	0.1 (.0037)
Californium-253	98	10 (.37)
Californium-254	98	0.1 (.0037)
Carbon-11	6	1000 (37)
Carbon-14	6	10 (.37)
Cerium-134	58	10 (.37)
Cerium-135	58	10 (.37)
Cerium-137	58	1000 (37)
Cerium-137m	58	100 (3.7)
Cerium-139	58	100 (3.7)
Cerium-141	58	10 (.37)
Cerium-143	58	100 (3.7)
Cerium-144	58	1 (.037)
Cesium-125	55	1000 (37)
Cesium-127	55	100 (3.7)
Cesium-129	55	100 (3.7)
Cesium-130	55	1000 (37)
Cesium-131	55	1000 (37)
Cesium-132	55	10 (.37)
Cesium-134	55	1 (.037)
Cesium-134m	55	1000 (37)
Cesium-135	55	10 (.37)
Cesium-135m	55	100 (3.7)
Cesium-136	55	10 (.37)
Cesium-137	55	1 (.037)
Cesium-138	55	100 (3.7)
Chlorine-36	17	10 (.37)
Chlorine-38	17	100 (3.7)
Chlorine-39	17	100 (3.7)
Chromium-48	24	100 (3.7)
Chromium-49	24	1000 (37)
Chromium-51	24	1000 (37)
Cobalt-55	27	10 (.37)
Cobalt-56	27	10 (.37)
Cobalt-57	27	100 (3.7)
Cobalt-58	27	10 (.37)
Cobalt-58m	27	1000 (37)
Cobalt-60	27	10 (.37)
Cobalt-60m	27	1000 (37)
Cobalt-61	27	1000 (37)
Cobalt-62m	27	1000 (37)
Copper-60	29	100 (3.7)
Copper-61	29	100 (3.7)
Copper-64	29	1000 (37)
Copper-67	29	100 (3.7)
Curium-238	96	1000 (37)
Curium-240	96	1 (.037)
Curium-241	96	10 (.37)
Curium-242	96	1 (.037)
Curium-243	96	0.01 (.00037)
Curium-244	96	0.01 (.00037)
Curium-245	96	0.01 (.00037)
Curium-246	96	0.01 (.00037)
Curium-247	96	0.01 (.00037)
Curium-248	96	0.001 (.000037)
Curium-249	96	1000 (37)
Dysprosium-155	66	100 (3.7)
Dysprosium-157	66	100 (3.7)
Dysprosium-159	66	100 (3.7)
Dysprosium-165	66	1000 (37)
Dysprosium-166	66	10 (.37)
Einsteinium-250	99	10 (.37)
Einsteinium-251	99	1000 (37)
Einsteinium-253	99	10 (.37)
Einsteinium-254	99	0.1 (.0037)
Einsteinium-254m	99	1 (.037)
Erbium-161	68	100 (3.7)
Erbium-165	68	1000 (37)
Erbium-169	68	100 (3.7)
Erbium-171	68	100 (3.7)
Erbium-172	68	10 (.37)
Europium-145	63	10 (.37)
Europium-146	63	10 (.37)
Europium-147	63	10 (.37)
Europium-148	63	10 (.37)
Europium-149	63	100 (3.7)
Europium-150 (12.6 hr)	63	1000 (37)
Europium-150 (34.2 yr)	63	10 (.37)
Europium-152	63	10 (.37)
Europium-152m	63	100 (3.7)
Europium-154	63	10 (.37)
Europium-155	63	10 (.37)
Europium-156	63	10 (.37)
Europium-157	63	10 (.37)
Europium-158	63	1000 (37)
Fermium-252	100	10 (.37)
Fermium-253	100	10 (.37)
Fermium-254	100	100 (3.7)
Fermium-255	100	100 (3.7)
Fermium-257	100	1 (.037)
Fluorine-18	9	1000 (37)
Francium-222	87	100 (3.7)
Francium-223	87	100 (3.7)
Gadolinium-145	64	100 (3.7)
Gadolinium-146	64	10 (.37)
Gadolinium-147	64	10 (.37)
Gadolinium-148	64	0.001 (.000037)
Gadolinium-149	64	100 (3.7)
Gadolinium-151	64	100 (3.7)
Gadolinium-152	64	0.001 (.000037)
Gadolinium-153	64	10 (.37)
Gadolinium-159	64	1000 (37)
Gallium-65	31	1000 (37)
Gallium-66	31	10 (.37)
Gallium-67	31	100 (3.7)
Gallium-68	31	1000 (37)
Gallium-70	31	1000 (37)
Gallium-72	31	10 (.37)
Gallium-73	31	100 (3.7)
Germanium-66	32	100 (3.7)
Germanium-67	32	1000 (37)
Germanium-68	32	10 (.37)
Germanium-69	32	10 (.37)
Germanium-71	32	1000 (37)
Germanium-75	32	1000 (37)
Germanium-77	32	10 (.37)

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Germanium-78	32	1000 (37)
Gold-193	79	100 (3.7)
Gold-194	79	10 (.37)
Gold-195	79	100 (3.7)
Gold-198	79	100 (3.7)
Gold-198m	79	10 (.37)
Gold-199	79	100 (3.7)
Gold-200	79	100 (3.7)
Gold-200m	79	10 (.37)
Gold-201	79	1000 (37)
Hafnium-170	72	100 (3.7)
Hafnium-172	72	1 (.037)
Hafnium-173	72	100 (3.7)
Hafnium-175	72	100 (3.7)
Hafnium-177m	72	1000 (37)
Hafnium-178m	72	0.1 (.0037)
Hafnium-179m	72	100 (3.7)
Hafnium-180m	72	100 (3.7)
Hafnium-181	72	10 (.37)
Hafnium-182	72	0.1 (.0037)
Hafnium-182m	72	100 (3.7)
Hafnium-183	72	100 (3.7)
Hafnium-184	72	100 (3.7)
Holmium-155	67	1000 (37)
Holmium-157	67	1000 (37)
Holmium-159	67	1000 (37)
Holmium-161	67	1000 (37)
Holmium-162	67	1000 (37)
Holmium-162m	67	1000 (37)
Holmium-164	67	1000 (37)
Holmium-164m	67	1000 (37)
Holmium-166	67	100 (3.7)
Holmium-166m	67	1 (.037)
Holmium-167	67	100 (3.7)
Hydrogen-3	1	100 (3.7)
Iridium-109	49	100 (3.7)
Iridium-110 (4.9 hr)	49	10 (.37)
Iridium-110 (69.1 min)	49	100 (3.7)
Iridium-111	49	100 (3.7)
Iridium-112	49	1000 (37)
Iridium-113m	49	1000 (37)
Iridium-114m	49	10 (.37)
Iridium-115	49	0.1 (.0037)
Iridium-115m	49	100 (3.7)
Iridium-116m	49	100 (3.7)
Iridium-117	49	1000 (37)
Iridium-117m	49	100 (3.7)
Iridium-119m	49	1000 (37)
Iodine-120	53	10 (.37)
Iodine-120m	53	100 (3.7)
Iodine-121	53	100 (3.7)
Iodine-123	53	10 (.37)
Iodine-124	53	0.1 (.0037)
Iodine-125	53	0.01 (.00037)
Iodine-126	53	0.01 (.00037)
Iodine-128	53	1000 (37)
Iodine-129	53	0.001 (.000037)
Iodine-130	53	1 (.037)
Iodine-131	53	0.01 (.00037)
Iodine-132	53	10 (.37)
Iodine-132m	53	10 (.37)
Iodine-133	53	0.1 (.0037)
Iodine-134	53	100 (3.7)
Iodine-135	53	10 (.37)
Iridium-182	77	1000 (37)
Iridium-184	77	100 (3.7)
Iridium-185	77	100 (3.7)
Iridium-186	77	10 (.37)
Iridium-187	77	100 (3.7)
Iridium-188	77	10 (.37)
Iridium-189	77	100 (3.7)
Iridium-190	77	10 (.37)
Iridium-190m	77	1000 (37)
Iridium-192	77	10 (.37)
Iridium-192m	77	100 (3.7)
Iridium-194	77	100 (3.7)
Iridium-194m	77	10 (.37)
Iridium-195	77	1000 (37)
Iridium-195m	77	100 (3.7)
Iron-52	26	100 (3.7)
Iron-55	26	100 (3.7)
Iron-59	26	10 (.37)
Iron-60	26	0.1 (.0037)
Krypton-74	36	10 (.37)
Krypton-76	36	10 (.37)
Krypton-77	36	10 (.37)
Krypton-79	36	100 (3.7)
Krypton-81	36	1000 (37)
Krypton-83m	36	1000 (37)
Krypton-85	36	1000 (37)
Krypton-85m	36	100 (3.7)
Krypton-87	36	10 (.37)
Krypton-88	36	10 (.37)
Lanthanum-131	57	1000 (37)
Lanthanum-132	57	100 (3.7)
Lanthanum-135	57	1000 (37)
Lanthanum-137	57	10 (.37)
Lanthanum-138	57	1 (.037)
Lanthanum-140	57	10 (.37)
Lanthanum-141	57	1000 (37)
Lanthanum-142	57	100 (3.7)
Lanthanum-143	57	1000 (37)
Lead-195m	82	1000 (37)
Lead-198	82	100 (3.7)
Lead-199	82	100 (3.7)
Lead-200	82	100 (3.7)
Lead-201	82	100 (3.7)
Lead-202	82	1 (.037)
Lead-202m	82	10 (.37)
Lead-203	82	100 (3.7)
Lead-205	82	100 (3.7)
Lead-209	82	1000 (37)
Lead-210	82	0.01 (.00037)
Lead 211	82	100 (3.7)
Lead-212	82	10 (.37)
Lead-214	82	100 (3.7)
Lutetium-169	71	10 (.37)
Lutetium-170	71	10 (.37)
Lutetium-171	71	10 (.37)
Lutetium-172	71	10 (.37)
Lutetium-173	71	100 (3.7)
Lutetium-174	71	10 (.37)
Lutetium-174m	71	10 (.37)
Lutetium-176	71	1 (.037)
Lutetium-176m	71	1000 (37)
Lutetium-177	71	100 (3.7)
Lutetium-177m	71	10 (.37)
Lutetium-178	71	1000 (37)
Lutetium-178m	71	1000 (37)
Lutetium-179	71	1000 (37)
Magnesium-28	12	10 (.37)
Manganese-51	25	1000 (37)
Manganese-52	25	10 (.37)
Manganese-52m	25	1000 (37)
Manganese-53	25	1000 (37)
Manganese-54	25	10 (.37)
Manganese-56	25	100 (3.7)
Mendelevium-257	101	100 (3.7)
Mendelevium-258	101	1 (.037)
Mercury-193	80	100 (3.7)
Mercury-193m	80	10 (.37)
Mercury-194	80	0.1 (.0037)
Mercury-195	80	100 (3.7)
Mercury-195m	80	100 (3.7)
Mercury-197	80	1000 (37)
Mercury-197m	80	1000 (37)
Mercury-199m	80	1000 (37)
Mercury-203	80	10 (.37)
Molybdenum-101	42	1000 (37)
Molybdenum-90	42	100 (3.7)
Molybdenum-93	42	100 (3.7)
Molybdenum-93m	42	10 (.37)
Molybdenum-99	42	100 (3.7)
Neodymium-136	60	1000 (37)
Neodymium-138	60	1000 (37)
Neodymium-139	60	1000 (37)
Neodymium-139m	60	100 (3.7)
Neodymium-141	60	1000 (37)
Neodymium-147	60	10 (.37)
Neodymium-149	60	100 (3.7)
Neodymium-151	60	1000 (37)
Neptunium-232	93	1000 (37)
Neptunium-233	93	1000 (37)
Neptunium-234	93	10 (.37)
Neptunium-235	93	1000 (37)
Neptunium-236 (1.2 E 5 yr)	93	0.1 (.0037)
Neptunium-236 (22.5 hr)	93	100 (3.7)
Neptunium-237	93	0.01 (.00037)
Neptunium-238	93	10 (.37)
Neptunium-239	93	100 (3.7)
Neptunium-240	93	100 (3.7)
Nickel-56	28	10 (.37)
Nickel-57	28	10 (.37)
Nickel-59	28	100 (3.7)
Nickel-63	28	100 (3.7)
Nickel-65	28	100 (3.7)
Nickel-66	28	10 (.37)
Niobium-88	41	100 (3.7)
Niobium-89 (122 min)	41	100 (3.7)
Niobium-89 (66 min)	41	100 (3.7)
Niobium-90	41	10 (.37)
Niobium-93m	41	100 (3.7)
Niobium-94	41	10 (.37)
Niobium-95	41	10 (.37)
Niobium-95m	41	100 (3.7)
Niobium-96	41	10 (.37)
Niobium-97	41	100 (3.7)
Niobium-98	41	1000 (37)
Osmium-180	76	1000 (37)
Osmium-181	76	100 (3.7)
Osmium-182	76	100 (3.7)
Osmium-185	76	10 (.37)
Osmium-189m	76	1000 (37)
Osmium-191	76	100 (3.7)
Osmium-191m	76	1000 (37)
Osmium-193	76	100 (3.7)
Osmium-194	76	1 (.037)
Palladium-100	46	100 (3.7)
Palladium-101	46	100 (3.7)
Palladium-103	46	100 (3.7)
Palladium-107	46	100 (3.7)
Palladium-109	46	1000 (37)
Phosphorus-32	15	0.1 (.0037)
Phosphorus-33	15	1 (.037)
Platinum-186	78	100 (3.7)
Platinum-188	78	100 (3.7)
Platinum-189	78	100 (3.7)
Platinum-191	78	100 (3.7)
Platinum-193	78	1000 (37)
Platinum-193m	78	100 (3.7)
Platinum-195m	78	100 (3.7)
Platinum-197	78	1000 (37)
Platinum-197m	78	1000 (37)
Platinum-198	78	1000 (37)
Platinum-200	78	100 (3.7)
Plutonium-234	94	1000 (37)
Plutonium-235	94	1000 (37)
Plutonium-236	94	0.1 (.0037)
Plutonium-237	94	1000 (37)
Plutonium-238	94	0.01 (.00037)
Plutonium-239	94	0.01 (.00037)
Plutonium-240	94	0.01 (.00037)
Plutonium-241	94	1 (.037)
Plutonium-242	94	0.01 (.00037)
Plutonium-243	94	1000 (37)
Plutonium-244	94	0.01 (.00037)
Plutonium-245	94	100 (3.7)
Polonium-203	84	100 (3.7)
Polonium-205	84	100 (3.7)
Polonium-207	84	10 (.37)
Polonium-210	84	0.01 (.00037)
Potassium-40	19	1 (.037)
Potassium-42	19	100 (3.7)
Potassium-43	19	10 (.37)
Potassium-44	19	100 (3.7)

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Potassium-45	19	1000 (37)
Praseodymium-136	59	1000 (37)
Praseodymium-137	59	1000 (37)
Praseodymium-139m	59	100 (3.7)
Praseodymium-139	59	1000 (37)
Praseodymium-142	59	100 (3.7)
Praseodymium-142m	59	1000 (37)
Praseodymium-143	59	10 (.37)
Praseodymium-144	59	1000 (37)
Praseodymium-145	59	1000 (37)
Praseodymium-147	59	1000 (37)
Promethium-141	61	1000 (37)
Promethium-143	61	100 (3.7)
Promethium-144	61	10 (.37)
Promethium-145	61	100 (3.7)
Promethium-146	61	10 (.37)
Promethium-147	61	10 (.37)
Promethium-148	61	10 (.37)
Promethium-148m	61	10 (.37)
Promethium-149	61	100 (3.7)
Promethium-150	61	100 (3.7)
Promethium-151	61	100 (3.7)
Protactinium-227	91	100 (3.7)
Protactinium-228	91	10 (.37)
Protactinium-230	91	10 (.37)
Protactinium-231	91	0.01 (.00037)
Protactinium-232	91	10 (.37)
Protactinium-233	91	100 (3.7)
Protactinium-234	91	10 (.37)
RADIONUCLIDES $ †		1 (.037)
Radium-223	88	1 (.037)
Radium-224	88	10 (.37)
Radium-225	88	1 (.037)
Radium-226 **	88	0.1 (.0037)
Radium-227	88	1000 (37)
Radium-228	88	0.1 (.0037)
Radon-220	86	0.1 (.0037)
Radon-222	86	0.1 (.0037)
Rhenium-177	75	1000 (37)
Rhenium-178	75	1000 (37)
Rhenium-181	75	100 (3.7)
Rhenium-182 (12.7 hr)	75	10 (.37)
Rhenium-182 (64.0 hr)	75	10 (.37)
Rhenium-184	75	10 (.37)
Rhenium-184m	75	10 (.37)
Rhenium-186	75	100 (3.7)
Rhenium-186m	75	10 (.37)
Rhenium-187	75	1000 (37)
Rhenium-188	75	1000 (37)
Rhenium-188m	75	1000 (37)
Rhenium-189	75	1000 (37)
Rhodium-100	45	10 (.37)
Rhodium-101	45	10 (.37)
Rhodium-101m	45	100 (3.7)
Rhodium-102	45	10 (.37)
Rhodium-102m	45	10 (.37)
Rhodium-103m	45	1000 (37)
Rhodium-105	45	100 (3.7)
Rhodium-106m	45	10 (.37)
Rhodium-107	45	1000 (37)
Rhodium-99	45	10 (.37)
Rhodium-99m	45	100 (3.7)
Rubidium-79	37	1000 (37)
Rubidium-81	37	100 (3.7)
Rubidium-81m	37	1000 (37)
Rubidium-82m	37	10 (.37)
Rubidium-83	37	10 (.37)
Rubidium-84	37	10 (.37)
Rubidium-86	37	10 (.37)
Rubidium-87	37	10 (.37)
Rubidium-88	37	1000 (37)
Rubidium-89	37	1000 (37)
Ruthenium-103	44	10 (.37)
Ruthenium-105	44	100 (3.7)
Ruthenium-106	44	1 (.037)
Ruthenium-94	44	1000 (37)
Ruthenium-97	44	100 (3.7)
Samarium-141	62	1000 (37)
Samarium-141m	62	1000 (37)
Samarium-142	62	1000 (37)
Samarium-145	62	100 (3.7)
Samarium-146	62	0.01 (.00037)
Samarium-147	62	0.01 (.00037)
Samarium-151	62	10 (.37)
Samarium-153	62	100 (3.7)
Samarium-155	62	1000 (37)
Samarium-156	62	100 (3.7)
Scandium-43	21	1000 (37)
Scandium-44	21	100 (3.7)
Scandium-44m	21	10 (.37)
Scandium-46	21	10 (.37)
Scandium-47	21	100 (3.7)
Scandium-48	21	10 (.37)
Scandium-49	21	1000 (37)
Selenium-70	34	1000 (37)
Selenium-73	34	10 (.37)
Selenium-73m	34	100 (3.7)
Selenium-75	34	10 (.37)
Selenium-79	34	10 (.37)
Selenium-81	34	1000 (37)
Selenium-81m	34	1000 (37)
Selenium-83	34	1000 (37)
Silicon-31	14	1000 (37)
Silicon-32	14	1 (.037)
Silver-102	47	100 (3.7)
Silver-103	47	1000 (37)
Silver-104	47	1000 (37)
Silver-104m	47	1000 (37)
Silver-105	47	10 (.37)
Silver-106	47	1000 (37)
Silver-106m	47	10 (.37)
Silver-108m	47	10 (.37)
Silver-110m	47	10 (.37)
Silver-111	47	10 (.37)
Silver-112	47	100 (3.7)
Silver-115	47	1000 (37)
Sodium-22	11	10 (.37)
Sodium-24	11	10 (.37)
Strontium-80	38	100 (3.7)
Strontium-81	38	1000 (37)
Strontium-83	38	100 (3.7)
Strontium-85	38	10 (.37)
Strontium-85m	38	1000 (37)
Strontium-87m	38	100 (3.7)
Strontium-89	38	10 (.37)
Strontium-90	38	0.1 (.0037)
Strontium-91	38	10 (.37)
Strontium-92	38	100 (3.7)
Sulfur-35	16	1 (.037)
Tantalum-172	73	100 (3.7)
Tantalum-173	73	100 (3.7)
Tantalum-174	73	100 (3.7)
Tantalum-175	73	100 (3.7)
Tantalum-176	73	10 (.37)
Tantalum-177	73	1000 (37)
Tantalum-178	73	1000 (37)
Tantalum-179	73	1000 (37)
Tantalum-180	73	100 (3.7)
Tantalum-180m	73	1000 (37)
Tantalum-182	73	10 (.37)
Tantalum-182m	73	1000 (37)
Tantalum-183	73	100 (3.7)
Tantalum-184	73	10 (.37)
Tantalum-185	73	1000 (37)
Tantalum-186	73	1000 (37)
Technetium-101	43	1000 (37)
Technetium-104	43	1000 (37)
Technetium-93	43	100 (3.7)
Technetium-93m	43	1000 (37)
Technetium-94	43	10 (.37)
Technetium-94m	43	100 (3.7)
Technetium-96	43	10 (.37)
Technetium-96m	43	1000 (37)
Technetium-97	43	100 (3.7)
Technetium-97m	43	100 (3.7)
Technetium-98	43	10 (.37)
Technetium-99	43	10 (.37)
Technetium-99m	43	100 (3.7)
Tellurium-116	52	1000 (37)
Tellurium-121	52	10 (.37)
Tellurium-121m	52	10 (.37)
Tellurium-123	52	10 (.37)
Tellurium-123m	52	10 (.37)
Tellurium-125m	52	10 (.37)
Tellurium-127	52	1000 (37)
Tellurium-127m	52	10 (.37)
Tellurium-129	52	1000 (37)
Tellurium-129m	52	10 (.37)
Tellurium-131	52	1000 (37)
Tellurium-131m	52	10 (.37)
Tellurium-132	52	10 (.37)
Tellurium-133	52	1000 (37)
Tellurium-133m	52	1000 (37)
Tellurium-134	52	1000 (37)
Terbium-147	65	100 (3.7)
Terbium-149	65	100 (3.7)
Terbium-150	65	100 (3.7)
Terbium-151	65	10 (.37)
Terbium-153	65	100 (3.7)
Terbium-154	65	10 (.37)
Terbium-155	65	100 (3.7)
Terbium-156	65	10 (.37)
Terbium-156m (24.4 hr)	65	1000 (37)
Terbium-156m (5.0 hr)	65	1000 (37)
Terbium-157	65	100 (3.7)
Terbium-158	65	10 (.37)
Terbium-160	65	10 (.37)
Terbium-161	65	100 (3.7)
Thallium-194	81	1000 (37)
Thallium-194m	81	100 (3.7)
Thallium-195	81	100 (3.7)
Thallium-197	81	100 (3.7)
Thallium-198	81	10 (.37)
Thallium-198m	81	100 (3.7)
Thallium-199	81	100 (3.7)
Thallium-200	81	10 (.37)
Thallium-201	81	1000 (37)
Thallium-202	81	10 (.37)
Thallium-204	81	10 (.37)
Thorium (Irradiated)	90	***
Thorium (Natural)	90	**
Thorium-226	90	100 (3.7)
Thorium-227	90	1 (.037)
Thorium-228	90	0.01 (.00037)
Thorium-229	90	0.001 (.000037)
Thorium-230	90	0.01 (.00037)
Thorium-231	90	100 (3.7)
Thorium-232 **	90	0.001 (.000037)
Thorium-234	90	100 (3.7)
Thulium-162	69	1000 (37)
Thulium-166	69	10 (.37)
Thulium-167	69	100 (3.7)
Thulium-170	69	10 (.37)
Thulium-171	69	100 (3.7)
Thulium-172	69	100 (3.7)
Thulium-173	69	100 (3.7)
Thulium-175	69	1000 (37)
Tin-110	50	100 (3.7)
Tin-111	50	1000 (37)
Tin-113	50	10 (.37)
Tin-117m	50	100 (3.7)
Tin-119m	50	10 (.37)
Tin-121	50	1000 (37)
Tin-121m	50	10 (.37)
Tin-123	50	10 (.37)
Tin-123m	50	1000 (37)
Tin-125	50	10 (.37)
Tin-126	50	1 (.037)
Tin-127	50	100 (3.7)
Tin-128	50	1000 (37)
Titanium-44	22	1 (.037)
Titanium-45	22	1000 (37)
Tungsten-176	74	1000 (37)

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Tungsten-177	74	100 (3.7)
Tungsten-178	74	100 (3.7)
Tungsten-179	74	1000 (37)
Tungsten-181	74	100 (3.7)
Tungsten-185	74	10 (.37)
Tungsten-187	74	100 (3.7)
Tungsten-188	74	10 (.37)
Uranium (Depleted)	92	***
Uranium (Irradiated)	92	***
Uranium (Natural)	92	**
Uranium Enriched 20% or greater	92	***
Uranium Enriched less than 20%	92	***
Uranium-230	92	1 (.037)
Uranium-231	92	1000 (37)
Uranium-232	92	0.01 (.00037)
Uranium-233	92	0.1 (.0037)
Uranium-234 **	92	0.1 (.0037)
Uranium-235 **	92	0.1 (.0037)
Uranium-236	92	0.1 (.0037)
Uranium-237	92	100 (3.7)
Uranium-238 **	92	0.1 (.0037)
Uranium-239	92	1000 (37)
Uranium-240	92	1000 (37)
Vanadium-47	23	1000 (37)
Vanadium-48	23	10 (.37)
Vanadium-49	23	1000 (37)
Xenon-120	54	100 (3.7)
Xenon-121	54	10 (.37)
Xenon-122	54	100 (3.7)
Xenon-123	54	10 (.37)
Xenon-125	54	100 (3.7)
Xenon-127	54	100 (3.7)
Xenon-129m	54	1000 (37)
Xenon-131m	54	1000 (37)
Xenon-133	54	1000 (37)
Xenon-133m	54	1000 (37)
Xenon-135	54	100 (3.7)
Xenon-135m	54	10 (.37)
Xenon-138	54	10 (.37)
Ytterbium-162	70	1000 (37)
Ytterbium-166	70	10 (.37)
Ytterbium-167	70	1000 (37)
Ytterbium-169	70	10 (.37)
Ytterbium-175	70	100 (3.7)
Ytterbium-177	70	1000 (37)
Ytterbium-178	70	1000 (37)
Yttrium-86	39	10 (.37)
Yttrium-86m	39	1000 (37)
Yttrium-87	39	10 (.37)
Yttrium-88	39	10 (.37)
Yttrium-90	39	10 (.37)
Yttrium-90m	39	100 (3.7)
Yttrium-91	39	10 (.37)
Yttrium-91m	39	1000 (37)
Yttrium-92	39	100 (3.7)
Yttrium-93	39	100 (3.7)
Yttrium-94	39	1000 (37)
Yttrium-95	39	1000 (37)
Zinc-62	30	100 (3.7)
Zinc-63	30	1000 (37)
Zinc-65	30	10 (.37)
Zinc-69	30	1000 (37)
Zinc-69m	30	100 (3.7)
Zinc-71m	30	100 (3.7)
Zinc-72	30	100 (3.7)
Zirconium-86	40	100 (3.7)
Zirconium-88	40	10 (.37)
Zirconium-89	40	100 (3.7)
Zirconium-93	40	1 (.037)
Zirconium-95	40	10 (.37)
Zirconium-97	40	10 (.37)

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

† The RQ of one curie applies to all radionuclides not otherwise listed. Whenever the RQs in TABLE 1--HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES and this table conflict, the lowest RQ shall apply. For example, uranyl acetate and uranyl nitrate have RQs shown in TABLE 1 of 100 pounds, equivalent to about one-tenth the RQ level for uranium-238 in this table.

** The method to determine the RQs for mixtures or solutions of radionuclides can be found in paragraph 6 of the note preceding TABLE 1 of this Appendix. 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).

*** Indicates that the name was added by RSPA because it appears in the list of radionuclides in 49 CFR 173.435. The reportable quantity (RQ), if not specifically listed elsewhere in this Appendix, shall be determined in accordance with the procedures in Paragraph 6 of this Appendix.

§ 172.203 [Amended]

5. In § 172.203(c)(1)(iii), remove the words "EP toxicity" and add, in their place, "Toxicity".

§ 172.324 [Amended]

6. In § 172.324(a)(3), remove the words "EP toxicity" and add, in their place, "Toxicity".

Issued in Washington, DC on November 1, 1990 under authority delegated in 49 CFR part 1.

Travis P. Dungan,

Administrator, Research and Special Programs Administration.

[FR Doc. 90-26280 Filed 11-6-90; 8:45 am]

BILLING CODE 4910-60-M