

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

Hazardous Waste Number	Substance*
P012	Arsenic trioxide
	Athrombin see P001
	AVITROL see P008
	Aziridene see P054
	AZOFOS see P061
	Azophos see P061
	BANTU see P072
P013	Barium cyanide
	BASENITE see P020
	BCME see P016
P014	Benzenethiol
	Benzoepin see P050
	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate see P127
	Benzoic acid, 2-hydroxy-, compd. with (3a <i>S</i> - <i>cis</i>)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3- <i>b</i>]indol-5-yl methylcarbamate ester (1:1) see P188
	Benzyl chloride see P028
P015	Beryllium powder
P016	Bis(chloromethyl) ether
	BLADAN-M see P017
P017	Bromoacetone
	1-Bromo-2-propanone see P017
P018	Brucine
	BUFEN see P092
	Butaphene see P020
P020	2- <i>sec</i> -Butyl-4, 6-dinitrophenol
P021	Calcium cyanide
	CALDON see P020
	Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester see P189
	Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]- 5-methyl-1 <i>H</i> - pyrazol-3-yl ester see P191
	Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1 <i>H</i> - pyrazol-5-yl ester see P192
	Carbamic acid, methyl-, 3-methylphenyl ester see P190
	Carbofuran see P127
P022	Carbon disulfide

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

Hazardous Waste Number	Substance*
	Carbonic dichloride see P095
	Carbosulfan see P189
	CERESAN see P092
	CERESAN UNIVERSAL see P092
	CHEMOX GENERAL see P020
	CHEMOX P.E. see P020
P023	Chloroacetaldehyde
P024	p-Chloroaniline
	4-Chlorobenzamine see P024
	(Chloromethyl) benzene see P028
P026	1-(o-Chlorophenyl)thiourea
	3-Chloropropanenitrile see P027
P027	3-Chloropropionitrile
P028	alpha-Chlorotoluene
P029	Copper cyanide
	CRETOX see P108
	Coumadin see P001
	Coumafen see P001
	m-Cumenyl methylcarbamate see P202
P030	Cyanide salt mixtures not otherwise listed
P031	Cyanogen
P033	Cyanogen chloride
	Cyclodan see P050
P034	2-Cyclohexyl-4,6-dinitrophenol
	D-CON see U001
	DETHMOR see P001
	DETHNEL see P001
	DFP see P043
	Dichloromethyl ether see P016
P036	Dichlorophenylarsine
	Dicyanogen See P031
P037	Dieldrin
	DIELDREX see P037

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

Hazardous Waste Number	Substance*
P038	Diethylarsine
P039	O,O-Diethyl-S-(2-ethylthioethyl) ester of phosphorothioic acid
	Diethyl-p-nitrophenyl phosphate see P041
P040	O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate
P041	O,O-Diethyl phosphoric acid, O-p-nitrophenyl ester
P042	3,4-Dihydroxy-alpha-(methylamino)-methyl benzyl alcohol
P043	Di-iso-propylfluorophosphate
	DIMETANE see P044
	1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydroendo,endo see P060
P044	Dimethoate
	2,3-Dimethoxystrychnidin-10-one see P018
	alpha,alpha-Dimethylbenzeneethanamine see P046
P045	3,3-Dimethyl-1-(methylthio)-2-butanone-O-(methylaminocarbonyl) oxime
P046	alpha,alpha-Dimethylphenethylamine
	Dimetilan see P191
	Dinitrocyclohexyphenol see P034
P047	4,6-Dinitro-o-cresol and salts
P048	2,4-Dinitrophenol
	DINOSEB see P020
	DINOSEBE see P020
	Diphosphoric acid, tetraethyl ester see P111
	Disulfoton see P039
P049	2,4-Dithiobiuret
	1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)- carbonyl]oxime see P185
	DNBP see P020
	DOLCO MOUSE CEREAL see P108
	DOW GENERAL see P020
	DOW GENERAL WEED KILLER see P020
	DOW SELECTIVE WEED KILLER see P020
	DYANACIDE see P092
	EASTERN STATES DUOCIDE see P001
	ELGETOL see P020
P050	Endosulfan

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

Hazardous Waste Number	Substance*
	Endothall see P088
P051	Endrin and metabolites
	Epinephrine see P042
	Ethanedinitrile see P031
	Ethanimidothioc acid, 2-(dimethylamino)-N-[[[(methylamino) carbonyl]oxy]-2-oxo-, methyl ester see P194
	Ethyl cyanide see P101
P054	Ethyleneimine
	Famphur see P097
	FASCO FASCRAT POWDER see P001
P056	Fluorine
P057	2-Fluoroacetamide
P058	Fluoroacetic acid, sodium salt
	FOLODOL-80 see P071
	FOLODOL M see P071
	Formetanate hydrochloride see P198
	Formparanate see P197
	FOSFERNO M 50 see P071
	FRATOL see P058
	Fulminate of mercury see P065
	FUNGITOX OR see P092
	FUSSOF see P057
	GALLOTOX see P092
	GEARPHOS see P071
	GERUTOX see P020
P059	Heptachlor
	1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene see P059
P060	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo, endodimethanonaphthalene
	6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide see P050
	1,4,5,6,7,7-Hexachloro-cyclic-5-norbornene-2,3-dimethanol sulfite see P050
	3,4,5,6,9,9-Hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphth (2,3-b) oxirene (1aalpha, 2beta, 2aalpha, 3beta, 6beta, 6aalpha, 7beta, 7aalpha)-see P037
	3,4,5,6,9,9-Hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphth (2,3-b) oxirene (1aalpha, 2 beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha), and metabolites see P051
P062	Hexaethyl tetraphosphate

26.13.02 Page 54

Effective as of November 12, 2010

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

Hazardous Waste Number	Substance*
	HOSTAQUICK see P092
	HOSTAQUIK see P092
	Hydrazinecarbothioamide see P116
	Hydrazomethane see P068
P063	Hydrocyanic acid
	Hydrogen cyanide see P063
	Hydrogen phosphide see P096
	(R)-4-(1-Hydroxy-2-(methylamino)ethyl)-1,2-benzenediol see P042
	2-Hydroxy-2-methylpropanenitrile see P069
	4-Hydroxy-3-(3-oxo-1-phenyl-butyl)-2H-1-benzopyran-2-one and salts, when present at concentrations greater than 0.3 percent see P001
	ILLOXOL see P037
	INDOCI (Registered) see P025
	Indomethacin see P025
	INSECTOPHENE see P050
	Isocyanatomethane see P064
P064	Isocyanic acid, methyl ester
	Isodrin see P060
	Isolan see P192
	3-Isopropylphenyl N-methylcarbamate see P202
	KILOSEB see P020
	KOP-THIODAN see P050
	KWIK-KIL see P108
	KWIKSAN see P092
	KUMADER see P001
	KYPFARIN see P001
	LEYTOSAN see P092
	LIQUIPHENE see P092
	MALIK see P050
	Manganese, bis(dimethylcarbamodithioato-S,S')-, see P196
	Manganese dimethyldithiocarbamate see P196
	MAREVAN see P001
	MAR-FRIN see P001

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

Hazardous Waste Number	Substance*
	MARTIN'D MAR-FIN see P001
	MAVERAN see P001
	MEGATOX see P005
P065	Mercury fulminate (R), (T)
	MERSOLITE see P092
	METACID 50 see P071
	METAFOSS see P071
	METAPHOR see P071
	METAPHOS see P071
	METASOL 30 see P092
	Methanimidamide, N,N-dimethyl-N'-[3-[[[(methylamino)-carbonyl]oxy]phenyl]-, monohydrochloride see P198
	Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[[(methylamino)carbonyl]oxy]phenyl]- see P197
	Methiocarb see P199
P066	Methomyl
	N-[[[(Methylamino) carbonyl] oxy]-ethanimidothioic acid, methyl ester see P066
P067	2-Methylaziridine
	2-Methyl-4,6-dinitrophenol and salts see P047
	METHYL-E 605 see P071
P068	Methyl hydrazine
	Methyl isocyanate see P064
P069	2-Methylacetonitrile
P070	2-Methyl-2-(methylthio) propionaldehyde-o-(methylcarbonyl) oxime
	METHYL NIRON see P042
	N-Methyl-N-nitrosovinylamine see P084
P071	Methyl parathion
	2-(1-Methylpropyl)-4,6-dinitrophenol see P020
	3-(1-methyl-2-pyrrolidinyl)-pyridine (S) and salts see P075
	Metolcarb see P190
	METRON see P071
	Mexacarbate see P128
	MOLE DEATH see P108
	MOUSE-NOTS see P108
	MOUSE-RID see P108

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

Hazardous Waste Number	Substance*
	MOUSE TOX see P108
	MUSCIMOL see P007
P072	1-Naphthyl-2-thiourea
P073	Nickel carbonyl
P074	Nickel cyanide
P075	Nicotine and salts
P076	Nitric oxide
P077	p-Nitroaniline
	4-Nitrobenzenamine see P077
P078	Nitrogen dioxide
P081	Nitroglycerine (R)
P082	N-Nitrosodimethylamine
P084	N-Nitrosomethylvinylamine
	NYLMERATE see P092
	OCTALOX see P037
	Octamethyldiphosphoramidate see P085
P085	Octamethyl pyrophosphoramidate
	OCTAN see P092
	OMPA see P085
	OMPACIDE see P085
	OMPAX see P085
P087	Osmium tetroxide
P088	7-Oxabicyclo (2.2.1) heptane-2,3-dicarboxylic acid
	Oxamyl see P194
	Oxybis (chloro) methane see P016
	PANIVARFIN see P001
	PANORAM D-31 see P037
	PANTHERINE see P007
	PANWARFIN see P001
P089	Parathion
	PENNCAP-M see P071
	PENOXYL CARBON N see P048
	Pentachlorophenate see P090

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

Hazardous Waste Number	Substance*
	PENTA KILL see P090
	PENTASOL see P090
	PENWAR see P090
	PERMICIDE see P090
	PERMAGUARD see P090
	PERMATOX see P090
	PERMITE see P090
	PERTOX see P090
	PESTOX III see P085
	PHENMAD see P092
	Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester) see P128
	Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate see P199
	Phenol, 3-(1-methylethyl)-, methyl carbamate see P202
	Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate see P201
	PHENOTAN see P020
	Phenylarsonous dichloride see P036
	Phenyl mercaptan see P014
P092	Phenylmercury acetate
P093	N-Phenylthiourea
	PHILIPS 1861 see P008
	PHIX see P092
P094	Phorate
P095	Phosgene
P096	Phosphine
	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio) ethyl] ester see P039
	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio) methyl] ester see P094
	Phosphorodithioic acid, O,O-diethyl O-(4-(nitrophenyl) ester see P089
	Phosphorodithioic acid, O,O-diethyl O-pyrazinyl ester see P040
	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester see P044
	Phosphorofluoridic acid, bis(1-methylethyl) ester see P043
P097	Phosphorothioic acid, O,O-dimethyl-O-ester
	Phosphorothioic acid, O,O-dimethyl-O-(p-nitrophenyl) ester see P071
	Physostigmine see P204

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

Hazardous Waste Number	Substance*
	Physostigmine salicylate see P188
	PIED PIPER MOUSE SEED see P108
P098	Potassium cyanide
P099	Potassium silver cyanide
	PREMERGE see P020
	Promecarb see P201
	Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-[(methylamino)carbonyl] oxime see P203
	Propanenitrile see P101
	1,2,3-Propanetriol, trinitrate (R) see P081
	Propargyl alcohol see P102
	2-Propenal see P003
	2-Propen-1-ol—see P005
P101	Propionitrile
	1,2-Propylenimine see P067
P102	2-Propyn-1-ol
	PROTHROMADIN see P001
	4-Pyridinamine see P008
	Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)- see P204
	QUICKSAM see P092
	QUINTOX see P037
	RAT AND MICE BAIT see P001
	RAT-A-WAY see P001
	RAT-B-GON see P001
	RAT-O-CIDE #2 see P001
	RAT-GUARD see P001
	RAT-KILL see P001
	RAT-MIX see P001
	RATS-NO-MORE see P001
	RAT-OLA P001
	RATOREX see P001
	RATTUNAL see P001
	RAT-TROL see P001
	RO-DETH see P001

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

Hazardous Waste Number	Substance*
	RO-DEX see P108
	ROSEX see P001
	ROUGH & READY MOUSE MIX see P001
	SANASEED see P108
	SCHRADAN see P085
P103	Selenourea
P104	Silver cyanide
	SMITE see P105
P105	Sodium azide
	Sodium coumadin see P001
P106	Sodium cyanide
	Sodium fluoroacetate see P056
	SODIUM WARFARIN see P001
	SOLFARIN see P001
	SOLFOBLACK BB see P048
	SOLFOBLACK SB see P048
	SPARIC see P020
	SPOR-KIL see P092
	SPRAY-TROL BRAND RODEN-TROL see P001
	SPURGE see P020
	Strychnidin-10-one and salts see P108
P108	Strychnine and salts
	SUBTEX see P020
	Sulfuric acid, dithallium (1+) salt see P115
	SYSTEM see P085
	TAG FUNGICIDE see P092
	TEKWAISA see P071
	TEMIC see P070
	TEMIK see P070
P109	Tetraethyldithiopyrophosphate
	Tetraethylplumbane see P110
P110	Tetramethyl lead
P111	Tetraethylpyrophosphate

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

Hazardous Waste Number	Substance*
P112	Tetranitromethane (R)
	Tetraphosphoric acid, hexaethyl ester see P062
	TETROSULPHUR BLACK PB see P048
	TETROSULPHUR PBR see P048
P113	Thallic oxide
	Thallium oxide see P113
P114	Thallium (I) selenite
P115	Thallium (I) sulfate
	THIFOR see P092
	THIMUL see P092
	THIODAN see P050
	Thiodiphosphoric acid, tetraethyl ester see P109
	Thiofanox see P045
	THIOFOR see P050
	Thioimidodicarbonic diamide see P049
	THIOMUL see P050
	THIONEX see P050
	THIOPHENIT see P071
	Thiophenol see P014
P116	Thiosemicarbazide
	Thiosulfan tionel see P050
	TIOVEL see P050
	Tirpate see P185
	Toxaphene see P123
P118	Trichloromethanethiol
	2,4,6-Trinitrophenol, ammonium salt (R) see P009
	TWIN LIGHT RAY AWAY see P001
	USAF RH-8 see P069
	USAF EK-4890 see P002
P119	Vanadic acid, ammonium salt
P120	Vanadium pentoxide
	VOFATOX see P071
	WANADU see P120

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

Hazardous Waste Number	Substance*
	WARCOUMIN see P001
	Warfarin, and salts, when present at concentrations greater than 0.3 percent see P001
	WARFICIDE see P001
	WOFOTOX see P072
	YANOCK see P057
	YASOKNOCK see P058
	ZIARNIK see P092
	Zinc, bis(dimethylcarbamodithioato-S,S')-, see P205
P121	Zinc cyanide
P122	Zinc phosphide when present at concentrations greater than 10 percent (R,T)
	Ziram see P205
	ZOOCOUMARIN see P001
P123	Toxaphene
P127	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate
P128	Mexacarbate
P185	1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O- [(methylamino)- carbonyl]oxime
P188	Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3- b]indol-5-yl methylcarbamate ester (1:1)
P189	Carbamic acid, [(dibutylamino)- thio]methyl-, 2,3-dihydro-2,2-dimethyl- 7-benzofuranyl ester
P190	Carbamic acid, methyl-, 3-methylphenyl ester
P191	Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]- 5-methyl-1H- pyrazol-3-yl ester
P192	Carbamic acid, dimethyl-, 3-methyl-1- (1-methylethyl)-1H- pyrazol-5-yl ester
P194	Ethanimidothioc acid, 2-(dimethylamino)-N-[[[(methylamino) carbonyl]oxy]-2-oxo-, methyl ester
P196	Manganese, bis(dimethylcarbamodithioato-S,S')-,
P197	Formparanate
P198	Formetanate hydrochloride
P199	Methiocarb
P201	Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate
P202	m-Cumenyl methylcarbamate
P203	Aldicarb sulfone
P204	Physostigmine
P205	Zinc, bis(dimethylcarbamodithioato-S,S')-,

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

*The Department included in those trade names of which it was aware. An omission of a trade name does not imply that it is not hazardous. The material is hazardous if it is listed under its generic name.

F. Additionally, the following wastes are identified as acute hazardous (H) and are subject to the small quantity exclusion defined in Regulation .05C:

M001	Polychlorinated biphenyls (PCB)(above 500 ppm)
------	--

G. The commercial chemical products, manufacturing chemical intermediates, or off-specification commercial chemical products, referred to in §§A—D of this regulation, are identified as toxic wastes (T) unless otherwise designated and are subject to the small quantity exclusion defined in Regulation .05A and C of this chapter. These wastes and their corresponding EPA Hazardous Waste Numbers are:

<i>Hazardous Waste Number</i>	<i>Substance*</i>
	A2213 see U394
U001	AAF see U005
	Acetaldehyde (I)
	Acetic acid, ethyl ester (I) see U112
	Acetic acid, lead (2+) salt see U144
	Acetic acid, thallium (1+) salt see U214
U002	Acetone (I)
U003	Acetonitrile (I,T)
U004	Acetophenone
U005	2-Acetylaminofluorene
	8-Acetyl-10[[3-amino-2,3-6-trideoxy-alpha-L-lyxo-hexopyranosyl] oxyl-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-5,12-naphthacenedione, (8S-cis)- see U-059
U006	Acetyl chloride (C,R,T)
U007	Acrylamide
	Acetylene tetrachloride see U209
	Acetylene trichloride see U228
U008	Acrylic acid (I)
U009	Acrylonitrile
	AEROTHENE IT see U226
	3-Amino-5-(p-acetamidophenyl) 1H-1,2,4-triazole, hydrate see U011
	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, [1aS-(1aalpha, 8beta, 8aalpha, 8balpha)]- see U010
U010	6-Amino-1,1a,2,8,8a,8b-hexahydro-8-(hydroxymethyl)8-methoxy-5-methylcarbamate azirino (2',3':3,4) pyrrolo (1,2-a)indole-4,7-dione (ester)
	2-Amino-1-methylbenzene see U328
	4-Amino-1-methylbenzene see U353

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

Hazardous Waste Number	Substance*
U011	Amitrole
U012	Aniline (I,T)
	Ar-methylbenzenediamine see U221
U014	Auramine
U015	Azaserine
	Barban see U280
	Bendiocarb see U278
	Bendiocarb phenol see U364
	Benomyl see U271
U016	Benz(c)acridine
U017	Benzal chloride
U018	Benz(a)anthracene
	Benzeneamine (I,T) see U012
U019	Benzene (I,T)
	1,2-Benzenedicarboxylic acid, bis (2-ethylhexyl) ester see U-028
	1,2-Benzenedicarboxylic acid, dibutyl ester see U069
	1,2-Benzenedicarboxylic acid, diethyl ester see U088
	1,2-Benzenedicarboxylic acid, dimethyl ester see U102
	1,2-Benzenedicarboxylic acid, dioctyl ester see U107
	1,3-Benzenediol see U201
U020	Benzenesulfonyl chloride (C,R)
U021	Benzidine
	1,2-Benzisothiazolin-3-one,1,1-dioxide see U202
	Benzo(a)anthracene see U018
	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate see U278
	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, see U364
	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl- see U367
	Benzo(rst)pentaphene see U064
U022	Benzo(a)pyrene
U023	Benzotrichloride (C,R,T)
	2,2'-Bioxirane see U085
	(1,1'-Biphenyl)-4,4'-diamine see U021
	Bis(acetato-O)tetrahydroxytri-lead see U146

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
U024	Bis(2-chloroethoxy) methane
	4-[Bis(2-chloroethyl) amino] benzenebutanoic acid U035
	4-[Bis(2-chloroethyl) amino]-L-phenylalanine see U150
	5-[Bis(2-chloroethyl) amino]-2,4-(1H,3H)-pyrimidinedione see U237
U025	Bis(2-chloroethyl) ether
U026	N,N-Bis(2-chloroethyl)-2-naphthylamine
	N,N-Bis(2-chloroethyl) tetrahydro-2H-1,3,2-oxazaphosphorin-2-amine, 2-oxide see U-058
U027	Bis(2-chloroisopropyl) ether
U028	Bis(2-ethylhexyl) phthalate
	Bis(1-methylethyl)-carbamothioic acid, S-(2,3-dichloro-2-propenyl) ester see U062
	Bromoform see U225
U029	Bromomethane
	1-Bromo-4-phenoxybenzene see U030
U030	4-Bromophenyl phenyl ether
	2-Butanone (I,T) see U159
	2-Butanone, peroxide (R,T) see U160
	2-Butenal see U-053
	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]] see U143
U031	n-Butyl alcohol (I)
	Cacodylic acid see U136
U032	Calcium chromate
	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester see U372
	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester see U271
	Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester see U280
	Carbamic acid, ethyl ester see U238
	Carbamic acid, phenyl-, 1-methylethyl ester see U373
	Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester see U409
	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester see U389
	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester see U387
	Carbaryl see U279
	Carbendazim see U372
	Carbofuran phenol see U367

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
	Carbolic acid see U188
	Carbon tetrachloride see U211
	Carbonic difluoride see U033
	4,4'-Carbonimidoylbis[N,N-dimethyl-benzenamine] see U014
	Carbonochloridic acid, methyl ester (I,T) see U156
	Carbon oxyfluoride (R,T) see U033
U033	Carbonyl fluoride (R,T)
U034	Chloral
U035	Chlorambucil
U036	Chlordane
	Chlornaphazin see U026
U037	Chlorobenzene
U038	Chlorobenzilate
	4-Chloro-alpha-(4-chlorophenyl)-alpha-hydroxybenzeneacetic acid, ethyl ester see U038
U039	p-Chloro-m-cresol
U041	1-Chloro-2,3-epoxypropane
	CHLOROETHENE NU see U226
U042	Chloroethyl vinyl ether
U043	Chloroethene
U044	Chloroform
U045	Chloromethane (I,T)
	Chloromethoxymethane see U046
	4-Chloro-2-methylbenzeneamine hydrochloride see U049
U046	Chloromethyl methyl ether
	(Chloromethyl)-oxirane see U041
	4-Chloro-3-methylphenol see U039
U047	2-Chloronaphthalene
U048	2-Chlorophenol
U049	4-Chloro-o-toluidine hydrochloride
	Chromic acid, calcium salt see U032
U050	Chrysene
	C.I. 23060 see U073
U051	Creosote

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
U052	Cresylic acid
U053	Crotonaldehyde
U055	Cumene (I)
	Cyanogen bromide see U246
	Cyanomethane see U003
	2,5-Cyclohexadiene-1,4-dione see U197
U056	Cyclohexane (I)
U057	Cyclohexanone (I)
U058	Cyclophosphamide
U059	Daunomycin
U060	DDD
U061	DDT
	1,1a,3,3a,4,5,5,5a,5b,6-Decachlorooctahydro-1,3,4-metheno-2H-cyclobuta[cd]pentalen-2-one see U142
	2-Deoxy-2-[[[(methylnitrosoamino)-carbonyl]amino]-D-glucose see U206
	2-Deoxy-2-(3-methyl-3-nitrosoureido)-D-glucopyranose see U206
U062	Diallate
U063	Dibenz(a,h)anthracene
	Dibenzo(a,h)anthracene see U063
U064	Dibenzo(a,i)pyrene
U066	1,2-Dibromo-3-chloropropane
U067	1,2-Dibromoethane
U068	Dibromomethane
	2,3-Dibromo-1-propanol phosphate (3:1) see U235
U069	Di-n-butyl phthalate
U070	1,2-Dichlorobenzene
U071	1,3-Dichlorobenzene
U072	1,4-Dichlorobenzene
U073	3,3'-Dichlorobenzidine
U074	1,4-Dichloro-2-butene (I,T)
	3,3'-Dichloro-4,4'-diaminobiphenyl see U073
U075	Dichlorodifluoromethane
	3-5-Dichloro-N-(1,1-dimethyl-2-propynyl)-benzamide see U192
U076	1,1-Dichloroethane

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
U077	1,2-Dichloroethane
U078	1,1-Dichloroethylene
U079	1,2-trans-Dichloroethylene
	Dichloroethyl ether see U025
	Dichloroisopropyl ether see U027
U080	Dichloromethane
	Dichloromethoxy ethane see U024
	Dichloromethylbenzene see U017
U081	2,4-Dichlorophenol
U082	2,6-Dichlorophenol
	(2,4-Dichlorophenoxy)-acetic acid, salts and esters see U240
U083	1,2-Dichloropropane
U084	1,3-Dichloropropene
U085	1,2:3,4-Diepoxybutane (I,T)
	Diethylene glycol, dicarbamate see U395
	1-4-Diethyleneoxide see U108
	4,4'-(1,2-Diethyl-1,2-ethenediyl) bisphenol, (E)- see U089
	Diethylhexyl phthalate see U028
U086	1,2-Diethylhydrazine
U087	O,O-Diethyl-S-methyl ester of phosphorodithioic acid
U088	Diethyl phthalate
U089	Diethylstilbestrol
	1,2-Dihydro-3-methylbenz(j)aceanthrylene see U157
	2,3-Dihydro-6-methyl-2-thioxo-4(1H)-pyrimidinone see U164
	1,2-Dihydro-3,6-pyridazinedione see U148
U090	Dihydrosafrole
	1,3-Diisocyanatomethylbenzene (R,T) see U223
U091	3,3'-Dimethoxybenzidine
	11,17-Dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-yohimban-16-carboxylic acid, methyl ester, (3beta, 16beta, 17alpha, 18beta, 20alpha)- see U200
U092	Dimethylamine (I)
U093	p-Dimethylaminoazobenzene
	Dimethylarsinic acid see U136

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
U094	7,12-Dimethylbenz(a)anthracene
	Dimethylbenzene (I,T) see U239
U095	3,3'-Dimethylbenzidine
U096	alpha,alpha-Dimethylbenzylhydroperoxide (R) 3,3'-[(3,3'-Dimethyl[1,1'-diphenyl]-4,4'-diyl) bis (azo) bis [5-amino-4-hydroxy] 2,7-naphthalenedisulfonic acid, tatasodium salt see U236
U097	Dimethylcarbamoyl chloride
U098	1,1-Dimethylhydrazine
U099	1,2-Dimethylhydrazine
U101	2,4-Dimethylphenol
	N,N-Dimethyl-4-(phenylazo)-benzenamine see U093
U102	Dimethyl phthalate
	N,N-Dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-1,2-ethanediamine see U155
U103	Dimethyl sulfate
U105	2,4-Dinitrotoluene
U106	2,6-Dinitrotoluene
U107	Di-n-octyl phthalate
U108	1,4-Dioxane
U109	1,2-Diphenylhydrazine
U110	Dipropylamine (I)
U111	Di-n-propylnitrosamine
	EBDC see U114
	Epichlorohydrine see U041
	1,4-Epoxybutane see U213
	Ethanal (I) see U001
	Ethanamine, N,N-diethyl- see U404
	1,2-Ethanediylbiscarbamodithioic acid, salts and esters see U114
	Ethanethioamide see U218
	Ethanimidothioic acid, N,N'- [thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester see U410
	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester see U394
	Ethanol, 2,2'-oxybis-, dicarbamate see U395
	2-Ethoxyethanol see U359
	N-(4-Ethoxyphenyl)-acetamide see U187

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
U112	Ethyl acetate (I)
U113	Ethyl acrylate (I)
U114	Ethylenebisdithiocarbamate acid, salts and esters
	Ethylene dibromide see U067
	Ethylene dichloride see U077
	Ethylene glycol monoethyl ether see U359
U115	Ethylene oxide (I,T)
U116	Ethylene thiourea
U117	Ethyl ether (I)
	Ethylidene dichloride see U076
U118	Ethylmethacrylate
U119	Ethyl methanesulfonate
	Ethyl nitrile see U003
	N-Ethyl-N-nitrosoethanamine see U174
	N-Ethyl-N-nitroso urea see U176
	Firemaster T23P see U235
U120	Fluoranthene
	N-9H-Fluoren-2-yl-acetamide see U005
U121	Fluorotrichloromethane
U122	Formaldehyde
U123	Formic acid (C,T)
U124	Furan (I)
	2-Furancarboxaldehyde (I) see U125
	2,5-Furandione see U147
U125	Furfural (I)
	Furfuran (I) see U124
U126	Glycidylaldehyde
U127	Hexachlorobenzene
U128	Hexachlorobutadiene
U129	Hexachlorocyclohexane
U130	Hexachlorocyclopentadiene
U131	Hexachloroethane
U132	Hexachlorophene

26.13.02 Page 70

Effective as of November 12, 2010

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
	Hexahydrobenzene (I) see U056
U133	Hydrazine (R,T)
U134	Hydrofluoric acid (C,T)
U135	Hydrogen sulfide
	Hydroxybenzene see U188
U136	Hydroxydimethyl arsine oxide
	4-Hydroxy-3-(3-oxo-1-phenyl-butyl)-2H-1-benzopyran-2-one and salts, when present at concentrations of 0.3 percent or less see U248
	2-Imidazolidinethione see U116
	4,4'-(Imidocarbonyl)bis(N,N-dimethyl)aniline see U014
U137	Indeno(1,2,3-cd)pyrene
U138	Iodomethane
	1,3-Isobenzofurandione see U190
U140	Isobutyl alcohol (I,T)
U141	Isosafrole
U142	Kepone
U143	Lasiocarpine
U144	Lead acetate
U145	Lead phosphate
U146	Lead subacetate
	Lindane see U129
U147	Maleic anhydride
U148	Maleic hydrazide
U149	Malononitrile
	MEK peroxide see U160
U150	Melphalan
U151	Mercury
U152	Methacrylonitrile (I,T)
	Methanesulfonic acid, ethyl ester see U119
U153	Methanethiol (I,T)
U154	Methanol (I)
U155	Methapyrilene
	Methyl alcohol see U154

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
	2-Methylbenzenamine see U328
	4-Methylbenzenamine see U353
	2-Methylbenzenamine hydrochloride see U222
	Methylbenzene see U220
	Methyl bromide see U029
	1-Methylbutadiene (I) see U186
	Methyl chloride (I,T) see U045
U156	Methyl chlorocarbonate (I,T)
	Methyl chloroform see U226
	Methyl chloroformate see U156
U157	3-Methylcholanthrene
	1-Methyl-2,4-dinitrobenzene see U105
	2-Methyl-1,3-dinitrobenzene see U106
U158	4,4'-Methylene-bis-(2-chloroaniline)
	1,1'-[Methylenebis(oxy)]bis[2-chloroethane] see U024
	2,2'-Methylenebis (3,4,6-trichlorophenol) see U132
	Methylene bromide see U068
	Methylene chloride see U080
	(1-Methylethyl)-benzene (I) see U055
U159	Methyl ethyl ketone (MEK) (I,T)
U160	Methyl ethyl ketone peroxide (R,T)
	Methyl iodide see U138
U161	Methyl isobutyl ketone (I)
U162	Methyl methacrylate (I,T)
	N-Methylmethanamine (I) see U092
	2-Methyl-5-nitrobenzenamine see U181
U163	N-Methyl-N'-nitro-N-nitro-soguanidine
	Methylnitrosocarbamic acid, ethyl ester see U178
	N-Methyl-N-nitrosourea see U177
	4-Methylpentanol see U161
	4-Methyl-2-pentanone (I) see U161
	Methylphenol see U052
	1-Methyl-1-phenylethylhydroperoxide (R) see U096

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
	2-Methyl-1-propanol (I,T) see U140
	2-Methyl-2-propenenitrile (I,T) see U152
	2-Methyl-2-propenoic acid, ethyl ester see U118
	2-Methyl-2-propenoic acid, methyl ester (I,T) see U162
	2-Methylpyridine see U191
U164	Methylthiouracil
	Mitomycin C see U010
	MNNG see U163
U165	Naphthalene
	1-Naphthalenol, methylcarbamate see U279
U166	1,4-Naphthaquinone
U167	1-Naphthylamine
U168	2-Naphthylamine
U169	Nitrobenzene (I,T)
	Nitrobenzol see U169
U170	4-Nitrophenol
U171	2-Nitropropane (I,T)
U172	N-Nitrosodi-n-butylamine
U173	N-Nitrosodiethanolamine
U174	N-Nitrosodiethylamine
	2,2'-(Nitrosoimino) bisethanol see U173
U176	N-Nitroso-n-ethylurea
U177	N-Nitroso-n-methylurea
U178	N-Nitroso-n-methylurethane
U179	N-Nitrosopiperidine
	N-Nitroso-N-propyl-1-propanamine see U111
U180	N-Nitrosopyrrolidine
U181	5-Nitro-o-toluidine
	1,2-Oxathiolane, 2,2-dioxide see U193
	Oxirane (I,T) see U115
	Oxiranecarboxyaldehyde see U126
	1,1'-Oxybis[2-chloroethane] see U025
	2,2'-Oxybis[2-chloropropane] see U027

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
	1,1'-Oxybisethane (I) see U117
U182	Paraldehyde
	PCNB see U185
U183	Pentachlorobenzene
U184	Pentachloroethane
U185	Pentachloronitrobenzene
	Pentachlorophenol see F027
U186	1,3-Pentadiene (I)
	Perc see U210
	Perchlorethylene see U210
U187	Phenacetin
U188	Phenol
	Phenol, 2-(1-methylethoxy)-, methylcarbamate see U411
	Phenol, pentachloro- see F027
	Phenol, 2,3,4,6-tetrachloro- see F027
	Phenol, 2,4,5-trichloro- see F027
	Phenol, 2,4,6-trichloro- see F027
	1-Phenylethanone see U004
U189	Phosphorous sulfide (R)
U190	Phthalic anhydride
U191	2-Picoline
U192	Pronamide
U193	1,3-Propane sultone
	Propane, 2-nitro (I,T) see U171
	Propanedinitrile see U149
	Propanoic acid 2-(2,4,5-trichlorophenoxy) see F027
	2-Propanone (I) see U002
	2-Propenamide see U007
	2-Propenitrile see U009
	2-Propenoic acid (I) see U008
	2-Propenoic acid, ethyl ester (I) see U113
	5-(2-Propenyl)-1,3-benzodioxole see U203
	5-(1-Propenyl)-1,3-benzodioxole see U141

26.13.02 Page 74

Effective as of November 12, 2010

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
	Propham see U373
	Propoxur see U411
U194	n-Propylamine (I,T)
	5-Propyl-1,3-benzodioxole see U090
	Propylene dichloride see U083
	N-Propyl-1-propanamine (I) see U110
U196	Pyridine
U197	p-Benzoquinone
U200	Reserpine
U201	Resorcinol
U202	Saccharin and salts
U203	Safrole
U204	Selenious acid
	Selenium dioxide see U204
U205	Selenium sulfide (R,T)
	L-Serine, diazoacetate (ester) see U015
	Silvex (2,4,5-TP) see F027
U206	Streptozotocin
	Sulfuric acid, dimethyl ester see U103
	Sulfur phosphide (R) see U189
	2,4,5-T see F027
U207	1,2,4,5-Tetrachlorobenzene
U208	1,1,1,2-Tetrachloroethane
U209	1,1,2,2-Tetrachloroethane
U210	Tetrachloroethene
	Tetrachloroethylene see U210
U211	Tetrachloromethane
	2,3,4,6-Tetrachlorophenol see F027
U213	Tetrahydrofuran (I)
	Tetramethylthioperoxydicarbonicdiamide see U244
U214	Thallium (I) acetate
U215	Thallium (I) carbonate
U216	Thallium (I) chloride

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
U217	Thallium (I) nitrate
U218	Thioacetamide
	Thiodicarb see U410
	Thiomethanol (I,T) see U153
U219	Thiourea
	Thiophanate-methyl see U409
U220	Toluene
U221	Toluenediamine
	o-Toluidine see U328
	p-Toluidine see U353
U222	o-Toluidine hydrochloride
U223	Toluene diisocyanate (R,T)
	2,4,5-TP see F027
	Triallate see U389
	1H-1,2,4-Triazol-3-amine see U011
U225	Tribromomethane
	Trichloroacetaldehyde see U034
U226	1,1,1-Trichloroethane
U227	1,1,2-Trichloroethane
U228	Trichloroethene
	Trichloroethylene see U228
	1,1'-(2,2,2-Trichloroethylidene)bis[4-chlorobenzene] see U061
	1,1'-(2,2,2-Trichloroethylidene)bis[4-methoxybenzene] see U247
	Trichlorofluoromethane see U121
	Trichloromethane see U044
	(Trichloromethyl)-benzene see U023
	Trichloromonofluoromethane see U121
	2,4,5-Trichlorophenol see F027
	2,4,6-Trichlorophenol see F027
	2,4,5-Trichlorophenoxyacetic acid see F027
	2-(2,4,5-Trichlorophenoxy)-propanoic acid see F027
	alpha,alpha,alpha-Trichlorotoluene see U023
	TRI-CLENE see U228

26.13.02 Page 76

Effective as of November 12, 2010

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

<i>Hazardous Waste Number</i>	<i>Substance*</i>
	Triethylamine see U404
	2,4,6-Trimethyl-1,3,5-trioxane see U182
U234	Trinitrobenzene (R,T)
U235	Tris(2,3-dibromopropyl) phosphate
U236	Trypan blue
U237	Uracil mustard
U238	Ethyl carbamate (urethane)
	Vinyl chloride see U043
	Vinylidene chloride see U078
U239	Xylene (I)
U240	2,4-Dichlorophenoxyacetic acid and associated salts and esters
U243	Hexachloropropene
U244	Thiram
U246	Cyanogen bromide
U247	Methoxychlor
U248	Warfarin and salts, when present at concentrations of 0.3 percent or less
U249	Zinc phosphide, when present at concentrations of 10 percent or less
U271	Benomyl
U278	Bendiocarb
U279	Carbaryl
U280	Barban
U328	o-Toluidine
U353	p-Toluidine
U359	2-Ethoxyethanol
U364	Bendiocarb phenol
U367	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-
U372	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester
U373	Carbamic acid, phenyl-, 1-methylethyl ester
U387	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester
U389	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester
U394	A2213
U395	Diethylene glycol, dicarbamate
U404	Ethanamine, N,N-diethyl-

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

Hazardous Waste Number	Substance*
U409	Carbamic acid, [1,2-phenylenebis (iminocarbonothioyl)]bis-, dimethyl ester
U410	Ethanimidothioic acid, N,N'- [thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester
U411	Phenol, 2-(1-methylethoxy)-, methylcarbamate

H. Additionally, the following wastes are identified as Maryland Toxic (MT) and are subject to the same provisions as those identified in Regulation .19G:

Hazardous Waste Number	Substance*
MT01	Polychlorinated biphenyls (50 to 500 ppm)

.19-1 Comparable Fuel and Synthesis Gas Fuel Exclusion.

A. Definitions.

(1) In Regulations .19-1—.19-5 of this chapter, the following terms have the meanings indicated.

(2) Terms Defined.

(a) "Comparable fuel" means a waste that is to be burned as a fuel and which has levels of hazardous constituent concentrations and physical properties comparable to those that are found in the fossil fuel that would otherwise be burned.

(b) "Comparable fuel burner or syngas fuel burner" means the person burning the comparable fuel or syngas fuel that qualifies for the exclusion of Regulation .19-2A of this chapter.

(c) "Comparable fuel generator or syngas fuel generator" means the person claiming and qualifying for the exclusion from the definition of solid waste of Regulation .19-2A of this chapter.

(d) "Syngas fuel" means synthesis gas fuel.

B. Fuel Specifications.

(1) Persons shall use the specifications in this regulation to determine if a waste qualifies for exclusion from the definition of a solid waste under Regulation .19-2A of this chapter.

(2) Comparable Fuel Specification. A waste for which an exemption is claimed based on the waste being a comparable fuel shall meet the following:

(a) Physical specifications:

(i) The heating value shall exceed 5,000 Btu/pound (11,500 joules/gram); and

(ii) Viscosity may not exceed 50 centipoise, as fired; and

(b) Constituent specifications:

(i) The concentrations of chemical constituents in the waste may not exceed the concentration limits listed in Table 1 of this regulation, except as provided in §B(2)(b)(ii) of this regulation; and

(ii) If nondetect is the concentration limit for a chemical listed in Table 1 of this regulation, the concentration of the chemical in the waste may not exceed the minimum required detection limit listed in Table 1 of this regulation.

(3) Syngas Fuel Specification. A waste generated from hazardous waste for which an exemption is claimed based on the waste being a syngas fuel shall meet the following specifications:

(a) Btu value shall be a minimum of 100 Btu/Scf;

(b) Total halogen content shall be less than 1 part per million by volume (ppmv);

(c) Total nitrogen content, other than diatomic nitrogen (N₂), shall be less than 300 ppmv;

(d) Hydrogen sulfide content shall be less than 200 ppmv; and

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

(e) The content of each hazardous constituent in Regulation .24 of this chapter shall be less than 1 ppmv.

(4) In determining whether a specification of §B(2) or (3) of this regulation is met, a person shall make the determination on the waste:

(a) As it is constituted at the time of generation; or

(b) As it is constituted as a result of blending or treatment, as provided in Regulation .19-2D or E of this chapter.

Table 1—Detection and Detection Limit Values for Comparable Fuel Specification

<i>Chemical Name</i>	<i>CAS No. (see note 1 at end of table)</i>	<i>Composite value (mg/kg) (see note 2 at end of table)</i>	<i>Heating value (Btu/lb.) (see note 3 at end of table)</i>	<i>Concentration limit (mg/kg at 10,000 Btu/lb.)</i>	<i>Minimum required detection limit (mg/kg)</i>
	NA(see note 4 at :end of table)	9,000	18,400	4,900.00	*****
Total Nitrogen as N	NA	1,000	18,400	540.00	*****
Total Halogens as Cl	NA	*****	*****	See note 5 at end of table.	*****
Total Organic Halogens as Cl	NA	*****	*****	See note 5 at end of table.	*****
Polychlorinated biphenyls, total (Arocolors, total)	1336-36-3	ND (see note 6 at end of table)	*****	ND	1.4
Cyanide, total	57-12-5	ND	*****	ND	1.0
Metals:					
Antimony, total	7440-36-0	ND	*****	12.00	*****
Arsenic, total	7440-38-2	ND	*****	0.23	*****
Barium, total	7440-39-3	ND	*****	23.00	*****
Beryllium, total	7440-41-7	ND	*****	1.20	*****
Cadmium, total	7440-43-9	ND	*****	1.2	*****
Chromium, total	7440-47-3	ND	*****	2.30	*****
Cobalt	7440-48-4	ND	*****	4.60	*****
Lead, total	7439-92-1	57	18,100	31.00	*****
Manganese	7439-96-5	ND	*****	1.20	*****
Mercury, total	7439-97-6	ND	*****	0.25	*****
Nickel, total	7440-02-0	106	18,400	58.00	*****
Selenium, total	7782-49-2	ND	*****	0.23	*****
Silver, total	7440-22-4	ND	*****	2.30	*****
Thallium, total	7440-28-0	ND	*****	23.00	*****
Hydrocarbons:					
Benzo[a]anthracene	56-55-3	ND	*****	2,400.00	*****
Benzene	71-43-2	8,000	19,600	4,100.00	*****
Benzo[b]fluoranthene	205-99-2	ND	*****	2,400.00	*****
Benzo[k]fluoranthene	207-08-9	ND	*****	2,400.00	*****
Benzo[a]pyrene	50-32-8	ND	*****	2,400.00	*****
Chrysene	218-01-9	ND	*****	2,400.00	*****
Dibenzo[a,h]anthracene	53-70-3	ND	*****	2,400.00	*****
7,12-Dimethylbenz[a]anthracene	57-97-6	ND	*****	2,400.00	*****
Fluoranthene	206-44-0	ND	*****	2,400.00	*****
Indeno(1,2,3-cd)pyrene	193-39-5	ND	*****	2,400.00	*****
3-Methylcholanthrene	56-49-5	ND	*****	2,400.00	*****

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

Naphthalene	91-20-3	6,200	19,400	3,200.00	*****
Toluene	108-88-3	69,000	19,400	36,000.00	*****
Oxygenates					
Acetophenone	98-86-2	ND	*****	2,400.00	*****
Acrolein	107-02-8	ND	*****	39.00	*****
Allyl alcohol	107-18-6	ND	*****	30.00	*****
Bis(2-ethylhexyl)phthalate (Di-2-ethylhexyl phthalate)	117-81-7	ND	*****	2,400.00	*****
Butyl benzyl phthalate	85-68-7	ND	*****	2,400.00	*****
o-Cresol (2-Methyl phenol)	95-48-7	ND	*****	2,400.00	*****
m-Cresol (3-Methyl phenol)	108-39-4	ND	*****	2,400.00	*****
p-Cresol (4-Methyl phenol)	106-44-5	ND	*****	2,400.00	*****
Di-n-butyl phthalate	84-74-2	ND	*****	2,400.00	*****
Diethyl phthalate	84-66-2	ND	*****	2,400.00	*****
2,4-Dimethylphenol	105-67-9	ND	*****	2,400.00	*****
Dimethyl phthalate	131-11-3	ND	*****	2,400.00	*****
Di-n-octyl phthalate	117-84-0	ND	*****	2,400.00	*****
Endothall	145-73-3	ND	*****	100.00	*****
Ethyl methacrylate	97-63-2	ND	*****	39.00	*****
2-Ethoxyethanol (Ethylene glycol monoethyl ether)	110-80-5	ND	*****	100.00	*****
Isobutyl alcohol	78-83-1	ND	*****	39.00	*****
Isosafrole	120-58-1	ND	*****	2,400.00	*****
Methyl ethyl ketone (2-Butanone)	78-93-3	ND	*****	39.00	*****
Methyl methacrylate	80-62-6	ND	*****	39.00	*****
1,4-Naphthoquinone	130-15-4	ND	*****	2,400.00	*****
Phenol	108-95-2	ND	*****	2,400.00	*****
Propargyl alcohol (2-Propyn-1-ol)	107-19-7	ND	*****	30.00	*****
Safrole	94-59-7	ND	*****	2,400.00	*****
Sulfonated Organics:					
Carbon disulfide	75-15-0	ND	*****	ND	39.0
Disulfoton	298-04-4	ND	*****	ND	2,400.0
Ethyl methanesulfonate	62-50-0	ND	*****	ND	2,400.0
Methyl methanesulfonate	66-27-3	ND	*****	ND	2,400.0
Phorate	298-02-2	ND	*****	ND	2,400.0
1,3-Propane sultone	1120-71-4	ND	*****	ND	100.0
Tetraethylthiopyrophosphate (Sulfotepp)	3689-24-5	ND	*****	ND	2,400.0
Thiophenol (Benzenethiol)	108-98-5	ND	*****	ND	30.0
O,O,O-Triethyl phosphorothioate	126-68-1	ND	*****	ND	2,400.0
Nitrogenated Organics:					
Acetonitrile (Methyl cyanide)	75-05-8	ND	*****	ND	39.0
2-Acetylaminofluorene (2-AAF)	53-96-3	ND	*****	ND	2,400.0
Acrylonitrile	107-13-1	ND	*****	ND	39.0
4-Aminobiphenyl	92-67-1	ND	*****	ND	2,400.0

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

4-Aminopyridine	504-24-5	ND	*****	ND	100.0
Aniline	62-53-3	ND	*****	ND	2,400.0
Benzidine	92-87-5	ND	*****	ND	2,400.0
Dibenz[a,j]acridine	224-42-0	ND	*****	ND	2,400.0
O,O-Diethyl O-pyrazinyl phosphorothioate (Thionazin)	297-97-2	ND	*****	ND	2,400.0
Dimethoate	60-51-5	ND	*****	ND	2,400.0
p-(Dimethylamino) azobenzene (4-Dimethylaminoazobenzene)	60-11-7	ND	*****	ND	2,400.0
3,3'-Dimethylbenzidine	119-93-7	ND	*****	ND	2,400.0
α , α -Dimethylphenethylamine	122-09-8	ND	*****	ND	2,400.0
3,3'-Dimethoxybenzidine	119-90-4	ND	*****	ND	100.0
1,3-Dinitrobenzene (m-Dinitrobenzene)	99-65-0	ND	*****	ND	2,400.0
4,6-Dinitro-o-cresol	534-52-1	ND	*****	ND	2,400.0
2,4-Dinitrophenol	51-28-5	ND	*****	ND	2,400.0
2,4-Dinitrotoluene	121-14-2	ND	*****	ND	2,400.0
2,6-Dinitrotoluene	606-20-2	ND	*****	ND	2,400.0
Dinoseb (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	ND	*****	ND	2,400.0
Diphenylamine	122-39-4	ND	*****	ND	2,400.0
Ethyl carbamate (Urethane)	51-79-6	ND	*****	ND	100.0
Ethylenethiourea (2-Imidazolidinethione)	96-45-7	ND	*****	ND	110.0
Famphur	52-85-7	ND	*****	ND	2,400.0
Methacrylonitrile	126-98-7	ND	*****	ND	39.0
Methapyrilene	91-80-5	ND	*****	ND	2,400.0
Methomyl	16752-77-5	ND	*****	ND	57.0
2-Methylacetonitrile (Acetone cyanohydrin)	75-86-5	ND	*****	ND	100.0
Methyl parathion	298-00-0	ND	*****	ND	2,400.0
MNNG (N-Methyl-N-nitroso-N'-nitroguanidine)	70-25-7	ND	*****	ND	110.0
1-Naphthylamine (α -Naphthylamine)	134-32-7	ND	*****	ND	2,400.0
2-Naphthylamine (β -Naphthylamine)	91-59-8	ND	*****	ND	2,400.0
Nicotine	54-11-5	ND	*****	ND	100.0
4-Nitroaniline (p-Nitroaniline)	100-01-6	ND	*****	ND	2,400.0
Nitrobenzene	98-95-3	ND	*****	ND	2,400.0
p-Nitrophenol (p-Nitrophenol)	100-02-7	ND	*****	ND	2,400.0
5-Nitro-o-toluidine	99-55-8	ND	*****	ND	2,400.0
N-Nitrosodi-n-butylamine	924-16-3	ND	*****	ND	2,400.0
N-Nitrosodiethylamine	55-18-5	ND	*****	ND	2,400.0
N-Nitrosodiphenylamine (Diphenylnitrosamine)	86-30-6	ND	*****	ND	2,400.0
N-Nitroso-N-methylethylamine	10595-95-6	ND	*****	ND	2,400.0

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

N-Nitrosomorpholine	59-89-2	ND	*****	ND	2,400.0
N-Nitrosopiperidine	100-75-4	ND	*****	ND	2,400.0
N-Nitrosopyrrolidine	930-55-2	ND	*****	ND	2,400.0
2-Nitropropane	79-46-9	ND	*****	ND	30.0
Parathion	56-38-2	ND	*****	ND	2,400.0
Phenacetin	62-44-2	ND	*****	ND	2,400.0
1,4-Phenylene diamine (p-Phenylenediamine)	106-50-3	ND	*****	ND	2,400.0
N-Phenylthiourea	103-85-5	ND	*****	ND	57.0
2-Picoline (alpha-Picoline)	109-06-8	ND	*****	ND	2,400.0
Propylthioracil (6-Propyl-2-thiouracil)	51-52-5	ND	*****	ND	100.0
Pyridine	110-86-1	ND	*****	ND	2,400.0
Strychnine	57-24-9	ND	*****	ND	100.0
Thioacetamide	62-55-5	ND	*****	ND	57.0
Thiofanox	39196-18-4	ND	*****	ND	100.0
Thiourea	62-56-6	ND	*****	ND	57.0
Toluene-2,4-diamine (2,4-Diaminotoluene)	95-80-7	ND	*****	ND	57.0
Toluene-2,6-diamine (2,6-Diaminotoluene)	823-40-5	ND	*****	ND	57.0
o-Toluidine	95-53-4	ND	*****	ND	2,400.0
p-Toluidine	106-49-0	ND	*****	ND	100.0
1,3,5-Trinitrobenzene (sym-Trinitrobenzene)	99-35-4	ND	*****	ND	2,400.0
Halogenated Organic:					
Allyl chloride	107-05-1	ND	*****	ND	39.0
Aramite	140-57-8	ND	*****	ND	2,400.0
Benzal chloride (Dichloromethyl benzene)	98-87-3	ND	*****	ND	100.0
Benzyl chloride	100-44-77	ND	*****	ND	100.0
bis(2-Chloroethyl)ether (Dichloroethyl ether)	111-44-4	ND	*****	ND	2,400.0
Bromoform (Tribromomethane)	75-25-2	ND	*****	ND	39.0
Bromomethane (Methyl bromide)	74-83-9	ND	*****	ND	39.0
4-Bromophenyl phenyl ether (p-Bromo diphenyl ether)	101-55-3	ND	*****	ND	2,400.0
Carbon tetrachloride	56-23-5	ND	*****	ND	39.0
Chlordane	57-74-9	ND	*****	ND	14.0
p-Chloroaniline	106-47-8	ND	*****	ND	2,400.0
Chlorobenzene	108-90-7	ND	*****	ND	39.0
Chlorobenzilate	510-15-6	ND	*****	ND	2,400.0
p-Chloro-m-cresol	59-50-7	ND	*****	ND	2,400.0
2-Chloroethyl vinyl ether	110-75-8	ND	*****	ND	39.0
Chloroform	67-66-3	ND	*****	ND	39.0
Chloromethane (Methyl chloride)	74-87-3	ND	*****	ND	39.0

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

2-Chloronaphthalene (beta- Chloronaphthalene)	91-58-7	ND	*****	ND	2,400.0
2-Chlorophenol (o-Chlorophenol)	95-57-8	ND	*****	ND	2,400.0
Chloroprene (2-Chloro-1,3 -butadiene)	1126-99-8	ND	*****	ND	39.0
2,4-D (2,4- Dichlorophenoxyacetic acid)	94-75-7	ND	*****	ND	7.0
Diallate	2303-15-4	ND	*****	ND	2,400.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	*****	ND	39.0
1,2-Dichlorobenzene (o-Dichlorobenzene)	95-50-1	ND	*****	ND	2,400.0
1,3-Dichlorobenzene (m-Dichlorobenzene)	541-73-1	ND	*****	ND	2,400.0
1,4-Dichlorobenzene (p-Dichlorobenzene)	106-46-7	ND	*****	ND	2,400.0
3,3'-Dichlorobenzidine	91-94-1	ND	*****	ND	2,400.0
Dichlorodifluoromethane (CFC-12)	75-71-8	ND	*****	ND	39.0
1,2-Dichloroethane (Ethylene dichloride)	107-06-2	ND	*****	ND	39.0
1,1-Dichloroethylene (Vinylidene chloride)	75-35-4	ND	*****	ND	39.0
Dichloromethoxy ethane (Bis(2-chloroethoxy) methane)	111-91-1	ND	*****	ND	2,400.0
2,4-Dichlorophenol	120-83-2	ND	*****	ND	2,400.0
2,6-Dichlorophenol	87-65-0	ND	*****	ND	2,400.0
1,2-Dichloropropane (Propylene dichloride)	78-87-5	ND	*****	ND	39.0
cis-1,3-Dichloropropylene	10061-01-5	ND	*****	ND	39.0
trans-1,3-Dichloropropylene	10061-02-6	ND	*****	ND	39.0
1,3-Dichloro-2-propanol	96-23-1	ND	*****	ND	30.0
Endosulfan I	959-98-8	ND	*****	ND	1.4
Endosulfan II	33213-65-9	ND	*****	ND	1.4
Endrin	72-20-8	ND	*****	ND	1.4
Endrin aldehyde	7421-93-4	ND	*****	ND	1.4
Endrin Ketone	53494-70-5	ND	*****	ND	1.4
Epichlorohydrin (1-Chloro-2,3-epoxy propane)	106-89-8	ND	*****	ND	30.0
Ethylidene dichloride (1,1-Dichloroethane)	75-34-3	ND	*****	ND	39.0
2-Fluoroacetamide	640-19-7	ND	*****	ND	100.0
Heptachlor	76-44-8	ND	*****	ND	1.4
Heptachlor epoxide	1024-57-3	ND	*****	ND	2.8
Hexachlorobenzene	118-74-1	ND	*****	ND	2,400.0
Hexachloro-1,3-butadiene (Hexachlorobutadiene)	87-68-3	ND	*****	ND	2,400.0

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

Hexachlorocyclopentadiene	77-47-4	ND	*****	ND	2,400.0
Hexachloroethane	67-72-1	ND	*****	ND	2,400.0
Hexachlorophene	70-30-4	ND	*****	ND	59,000.0
Hexachloropropene (Hexachloropropylene)	1888-71-7	ND	*****	ND	2,400.0
Isodrin	465-73-6	ND	*****	ND	2,400.0
Kepone (Chlordecone)	143-50-0	ND	*****	ND	4,700.0
Lindane (gamma-BHC) (gamma-Hexachlorocyclohexane)	58-89-9	ND	*****	ND	1.4
Methylene chloride (Dichloromethane)	75-09-2	ND	*****	ND	39.0
4,4'-Methylene-bis (2-chloroaniline)	101-14-4	ND	*****	ND	100.0
Methyl iodide (Iodomethane)	74-88-4	ND	*****	ND	39.0
Pentachlorobenzene	608-93-5	ND	*****	ND	2,400.0
Pentachloroethane	76-01-7	ND	*****	ND	39.0
Pentachloronitrobenzene (PCNB) (Quintobenzene) (Quintozene)	82-68-8	ND	*****	ND	2,400.0
Pentachlorophenol	87-86-5	ND	*****	ND	2,400.0
Pronamide	23950-58-5	ND	*****	ND	2,400.0
Silvex (2,4,5 -Trichlorophenoxypropionic acid)	93-72-1	ND	*****	ND	7.0
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8- TCDD)	1746-01-6	ND	*****	ND	30.0
1,2,4,5-Tetrachlorobenzene	95-94-3	ND	*****	ND	2,400.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	*****	ND	39.0
Tetrachloroethylene (Perchloroethylene)	127-18-4	ND	*****	ND	39.0
2,3,4,6-Tetrachlorophenol	58-90-2	ND	*****	ND	2,400.0
1,2,4-Trichlorobenzene	120-82-1	ND	*****	ND	2,400.0
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6	ND	*****	ND	39.0
1,1,2-Trichloroethane (Vinyl trichloride)	79-00-5	ND	*****	ND	39.0
Trichloroethylene	79-01-6	ND	*****	ND	39.0
Trichlorofluoromethane (Trichloromonofluoromethane)	75-69-4	ND	*****	ND	39.0
2,4,5-Trichlorophenol	95-95-4	ND	*****	ND	2,400.0
2,4,6-Trichlorophenol	88-06-2	ND	*****	ND	2,400.0
1,2,3-Trichloropropane	96-18-4	ND	*****	ND	39.0
Vinyl Chloride	75-01-4	ND	*****	ND	39.0

Notes:

Note 1: CAS No.—Chemical Abstracts Service number

Note 2: Composite Value—Constituent concentration that was used by EPA as the basis for establishing the concentration limit in the comparable fuel specification. The composite value was determined based on analysis of samples of various types of fuel. Note that in some instances where "ND" appears in the Composite Value column, the constituent was actually detected; however,

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.19

when the observed concentration was normalized to an acceptable level for a fuel with a heating value of 10,000 Btu/lb., the concentration limit was less than the minimum detection limit for the constituent. In these instances, the comparable fuel specification has been set at the minimum detection limit.

Note 3: Heating Value (Btu/lb.)—Heating value of the fuel that exhibited the constituent concentration listed under "Composite Value". The heating value is used to normalize the composite value to a concentration limit for a fuel having a heating value of 10,000 Btu/lb., yielding the figure in the column labeled "Concentration limit (milligram/kilogram at 10,000 Btu/lb.)".

Note 4: NA—Not Applicable.

Note 5: Limit is 25 on total organic halogens, or limits on individual halogenated organics listed in remainder of table, whichever is more stringent.

Note 6: ND—Nondetect.

.19-2 Comparable Fuel and Synthesis Gas Fuel Exclusion — Implementation.

A. A waste that is to be burned as a fuel is excluded from the definition of a solid waste of Regulation .02 of this chapter if:

- (1) The waste meets the specifications of:
 - (a) Regulation .19-1B(2) of this chapter, if the waste is to be burned as a comparable fuel; or
 - (b) Regulation .19-1B(3) of this chapter, if the waste is to be burned as a syngas fuel;
- (2) The waste is burned in one of the following units in compliance with federal, state, and local air emission requirements, including all maximum achievable control technology requirements under the federal Clean Air Act:
 - (a) Industrial furnaces as defined in COMAR 26.13.01.03B;
 - (b) Boilers, as defined in COMAR 26.13.01.03B, that are:
 - (i) Industrial boilers located on the site of a facility engaged in a manufacturing process where substances are transformed into new products, including the component parts of products, by mechanical or chemical processes; or
 - (ii) Utility boilers used to produce electric power, steam, heated or cooled air, other gases, or fluids for sale;
 - (c) Hazardous waste incinerators subject to regulation under COMAR 26.13.05.15, 26.13.06.23, or applicable maximum achievable control technology requirements under the federal Clean Air Act; or
 - (d) Gas turbines used to produce electric power, steam, heated or cooled air, other gases, or fluids for sale;
- (3) The requirements of §B of this regulation are complied with;
- (4) The waste is not speculatively accumulated by any person, as described in Regulation .02 of this chapter; and
- (5) The waste is not listed as hazardous waste because of the presence of dioxins or furans, as set out in Regulation .23 of this chapter.

B. A person seeking to exclude a waste from being regulated as a solid waste under §A of this regulation shall comply with the requirements of Regulation .19-3 of this chapter and the following requirements:

- (1) The person who generates the comparable fuel or syngas fuel shall claim and certify to the exclusion by providing:
 - (a) To the Secretary two copies of the notice required by §B(2) of this regulation, with a note that one copy of the notice is to be forwarded to the unit within the Department responsible for regulation of hazardous waste management and one copy of the notice is to be forwarded to the unit within the Department responsible for regulation of air quality; and
 - (b) The notice required by §B(3) of this regulation, if applicable;
- (2) The generator shall submit a one-time written notice to the Secretary:
 - (a) That the exclusion is being claimed;
 - (b) Identifying where the comparable fuel or syngas fuel will be burned;
 - (c) Certifying compliance with the conditions of the exclusion under §A of this regulation; and
 - (d) Providing documentation as required by §B(4) and (5) of this regulation;

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

(3) If the generator is shipping the comparable fuel or syngas fuel out of the State to be burned, the generator shall also notify, with a one-time written notice that includes the information required in §B(2)(a)—(d) of this regulation:

(a) The state Resource Conservation and Recovery Act and Clean Air Act directors if the state in which the waste is to be burned has a federally authorized waste management program; or

(b) The regional EPA Resource Conservation and Recovery Act and Clean Air Act directors if the state in which the waste is to be burned does not have a federally authorized waste management program;

(4) If the generator is a company that generates comparable fuel or syngas fuel at more than one facility, the generator shall specify, in the notice to the Secretary required by §B(2) of this regulation, at which sites the comparable fuel or syngas fuel will be generated;

(5) The generator of the comparable fuel or syngas fuel shall include, in the notification to the Secretary required by §B(2) of this regulation, the following items:

(a) The name and address of the person claiming the exclusion;

(b) The EPA identification number of the facility at which the waste is generated;

(c) The applicable EPA Hazardous Waste Codes for the hazardous waste that is to be used as a comparable fuel or syngas fuel;

(d) The names and addresses of the units meeting the requirements of §A(2) of this regulation that will burn the comparable fuel or syngas fuel; and

(e) A copy of the following statement signed and submitted by the person claiming the exclusion or by that person's authorized representative: "Under penalty of criminal and civil prosecution for making or submitting false statements, representations, or omissions, I certify that the requirements of COMAR 26.13.02.19-1—19-5 have been met for all waste identified in this notification. Copies of the records and information required in COMAR 26.13.02.19-5A are available at the comparable fuel or syngas fuel generator's facility. Based on my inquiry of the individuals immediately responsible for obtaining the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."; and

(6) Before submitting a notification to the Secretary, a comparable fuel or syngas fuel generator who intends to ship the fuel generated off-site for burning shall obtain a one-time written, signed statement from the burner:

(a) Certifying that the comparable fuel or syngas fuel will only be burned in an industrial furnace, industrial boiler, utility boiler, or hazardous waste incinerator, as required under §A(2) of this regulation;

(b) Identifying the name and address of the units that will burn the comparable fuel or syngas fuel; and

(c) Certifying that the state in which the burner is located is authorized to exclude wastes as comparable fuel or syngas fuel under the provisions of:

(i) Regulations .19-1—19-4 of this chapter, if the burner is located in Maryland; or

(ii) 40 CFR §261.38 or the analogous state regulations, if the burner is located in a state other than Maryland.

C. Public Notice Requirements for Burners. Before burning a comparable fuel or syngas fuel excluded from regulation as a solid waste under §A of this regulation, the burner shall:

(1) Publish, in a major newspaper of general circulation local to the site where the fuel will be burned, a notice entitled "Notification of Burning a Comparable Fuel or Syngas Fuel Excluded Under the Resource Conservation and Recovery Act" containing the following information:

(a) The name, address, and EPA identification number of the generating facility;

(b) The name and address of the unit or units that will burn the comparable fuel or syngas fuel;

(c) A brief, general description of the manufacturing, treatment, or other process generating the comparable fuel or syngas fuel;

(d) An estimate of the average and maximum monthly and annual quantity of the waste claimed to be excluded; and

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02

(e) The name and mailing address of the person to whom the claim of eligibility for exclusion from regulation as a solid waste was submitted, which could be the Secretary, a regional administrator of the U.S. Environmental Protection Agency, or the director of another state's hazardous waste management program; and

(2) Before the notice required by §C(1) of this regulation is published, submit the following information to the Secretary:

(a) A copy of the text of the notice;

(b) Information on when and where the notice will be published; and

(c) A note stating that the items in §C(2)(a)—(b) of this regulation are being submitted as required by COMAR 26.13.02.19-2C(2), and should be forwarded to the program within the Department that is responsible for the oversight of hazardous waste management.

D. Blending to Meet the Viscosity Specification. A person seeking to exclude a waste from regulation as a solid waste under §A of this regulation shall ensure that a hazardous waste that is blended to meet the viscosity specification of Regulation .19-1B(1)(a)(ii) of this chapter:

(1) Meets the constituent and heating value specifications of Regulation .19-1B(1)(a)(i) and (b) of this chapter as generated and before any blending, manipulation, or processing;

(2) Is blended at a facility that is subject to the applicable requirements of COMAR 26.13.05—26.13.07 and COMAR 26.13.03.05E; and

(3) Does not violate the dilution prohibition of §G of this regulation.

E. Treatment to Meet the Comparable Fuel Exclusion Specifications.

(1) A person may treat a hazardous waste to meet the exclusion specifications of Regulation .19-1B(1) of this chapter if the treatment:

(a) Destroys or removes the constituent listed in the specification or raises the heating value by removing or destroying hazardous constituents or materials;

(b) Is performed at a facility that is subject to the applicable requirements of COMAR 26.13.05—26.13.07 and COMAR 26.13.03.05E; and

(c) Does not violate the dilution prohibition of §G of this regulation.

(2) Residuals resulting from the treatment of a hazardous waste listed in Regulations .15—.19 of this chapter to generate a comparable fuel remain a hazardous waste.

F. Generation of a Syngas Fuel.

(1) A person may generate a syngas fuel by processing hazardous wastes to meet the exclusion specifications of Regulation .19-1B(2) of this chapter if the processing:

(a) Destroys or removes the constituent listed in the specification or raises the heating value by removing or destroying constituents or materials;

(b) Is performed at a facility that is:

(i) Subject to the applicable requirements of COMAR 26.13.05—26.13.07 and COMAR 26.13.03.05E; or

(ii) An exempt recycling unit under Regulation .06C of this chapter; and

(c) Does not violate the dilution prohibition of §G of this regulation.

(2) Residuals resulting from the treatment of a hazardous waste listed in Regulations .15—.19 of this chapter, to generate a syngas fuel, remain a hazardous waste.

G. A generator, transporter, handler, or owner or operator of a treatment, storage, or disposal facility may not dilute a hazardous waste to meet the exclusion specifications of Regulation .19-1B(1) or (2) of this chapter.

26.13.02.19

.19-3 Comparable Fuel and Syngas Fuel Waste Analysis Plan.

A. The generator of a comparable fuel or syngas fuel excluded from regulation as a solid waste under Regulation .19-2A of this chapter shall develop and follow a written waste analysis plan, which describes the procedures for sampling and analysis of the hazardous waste to be excluded, in accordance with the following requirements:

(1) The waste analysis plan shall be developed in accordance with the applicable sections of the "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846, which is incorporated by reference in COMAR 26.13.01.05, and in accordance with any additional requirements specified by the Secretary;

(2) The waste analysis plan shall be retained at the facility where the excluded waste is generated;

(3) The generator shall ensure that, at a minimum, the plan specifies:

(a) The parameters for which each hazardous waste shall be analyzed and the rationale for the selection of those parameters;

(b) The test methods that shall be used to test for the parameters identified under §A(3)(a) of this regulation;

(c) The sampling method that shall be used to obtain a representative sample of the waste to be analyzed;

(d) The frequency with which the initial analysis of the waste shall be reviewed or repeated to ensure that the analysis is accurate and up-to-date; and

(e) If process knowledge is used in the determination that the waste is excluded from regulation as a solid waste, any information prepared by the generator in making the determination;

(4) The generator shall ensure that the waste analysis plan provides for obtaining and retaining the following information:

(a) The dates and times waste samples are obtained, and the dates the samples are analyzed;

(b) The names and qualifications of the person or persons who obtain samples;

(c) A description of the temporal and spatial locations of all samples obtained in implementing the waste analysis plan;

(d) The name and address of the laboratory facility at which analyses of the samples are performed;

(e) A description of the analytical methods used, including any clean-up and sample preparation methods;

(f) All quantification limits that are achieved and all other quality control results for the analysis, including but not limited to method blanks, duplicate analyses, and matrix spikes, laboratory quality assurance data, and description of any deviations from analytical methods written in the plan or from any other activity written in the plan which occurred;

(g) All laboratory results demonstrating that the exclusion specifications of Regulation .19-1B of this chapter have been met for the waste; and

(h) All laboratory documentation that support the analytical results, unless a contract between the claimant and the laboratory provides for the laboratory to:

(i) Maintain the documentation for the period specified in Regulation .19-5B of this chapter; and

(ii) Make the documentation available to the claimant upon request.

B. Waste Analysis Plan Approval.

(1) A syngas fuel generator shall:

(a) Submit a waste analysis plan to the Secretary for approval before performing sampling, analysis, or any management of a syngas fuel as an excluded waste; and

(b) Ensure that the waste analysis plan required by §B(1)(a) of this regulation contains:

(i) The elements of §A(3) of this regulation; and

(ii) Provisions requiring that the information listed in §A(4) of this regulation is to be collected and maintained.

(2) The Secretary's approval of the waste analysis plan shall be received, in writing, by the facility before the generator conducts sampling and analysis to demonstrate the exclusion of the syngas fuel from regulation as a solid waste.

(3) The Secretary may, in approving the waste analysis plan, require that the generator includes in the waste analysis plan those provisions and conditions that the Secretary considers appropriate.

.19-4 Comparable Fuel or Syngas Fuel Exclusion Sampling and Analysis.

A. General.

(1) For each waste for which an exclusion from regulation as a solid waste is claimed under Regulation .19-2A of this chapter, the generator of the hazardous waste shall test for all the constituents in Regulation .24 of this chapter, except those that the generator determines should not be present in the waste, based on testing or knowledge.

(2) The generator shall document the basis for each determination made under §A(1) of this regulation that a constituent should not be present.

(3) The generator may not make a determination under §A(1) of this regulation that any of the following categories of constituents should not be present:

(a) A constituent that triggered the toxicity characteristic for the waste constituents that were the basis of the listing of the waste stream, or constituents for which there is a treatment standard for the waste code in 40 CFR §268.40;

(b) A constituent detected in previous analysis of the waste;

(c) Constituents introduced into the process that generates the waste; or

(d) Constituents that are generated as byproducts or as a result of side-reactions of the process that generates the waste.

(4) A generator making a claim under this regulation shall ensure that the claim is valid and accurate for all hazardous constituents.

(5) A generator that makes a determination not to test for a hazardous constituent under §A(1) of this regulation is not shielded from liability if that constituent is later found in the waste at levels above the exclusion specifications.

B. For a waste for which an exclusion from regulation as a solid waste is claimed under Regulation .19-2A of this chapter, if the generator of the comparable fuel or syngas fuel is not the original generator of the hazardous waste, the generator of the comparable fuel or syngas fuel:

(1) May not use process knowledge to make a determination that a constituent should not be present in the waste as otherwise provided in §A of this regulation; and

(2) Shall test to demonstrate that all of the constituent specifications of Regulation .19-1B(2) or (3) of this chapter, as applicable, have been met.

C. Comparable Fuel or Syngas Fuel Constituent Exclusion.

(1) The comparable fuel or syngas fuel generator may use any reliable analytical method to demonstrate that no constituent of concern is present at concentrations above the specification levels of Regulation .19-1B of this chapter.

(2) The generator shall ensure that the sampling and analysis are unbiased, precise, and representative of the waste.

(3) For the waste to be eligible for exclusion from regulation as a solid waste under Regulation .19-2A of this chapter, a generator shall demonstrate that:

(a) Each constituent of concern is not present in the waste above the specification level of Regulation .19-1B(3)(b)—(e) of this chapter at the 95 percent upper confidence limit around the mean; and

(b) The analysis could have detected the presence of each constituent identified in Regulation .19-1B(3)(b)—(e) of this chapter at or below the specification level at the 95 percent upper confidence limit around the mean.

D. Nothing in Regulations .19-1—.19-5 of this chapter preempts, overrides, or otherwise negates the provision in COMAR 26.13.03.02 that requires any person who generates a solid waste to determine if that waste is a hazardous waste.

E. In an enforcement action, the generator claiming an exemption from regulation as a solid waste under Regulation .19-2A of this chapter shall have the burden of proof to establish conformance with the exclusion specification of Regulation .19-1B of this chapter.

DEPARTMENT OF THE ENVIRONMENT

26.13.02.19

F. The generator shall conduct sampling and analysis in accordance with the waste analysis plan developed under Regulation .19-3 of this chapter.

G. A comparable fuel that has not been blended in order to meet the kinematic viscosity specification of Regulation .19-1B of this chapter shall be analyzed as generated.

H. If a comparable fuel is blended in order to meet the kinematic viscosity specification of Regulation .19-1B of this chapter, the generator shall:

(1) Analyze the fuel as generated to ensure that the fuel meets the constituent and heating value specifications of Regulation .19-1B(2) of this chapter; and

(2) After blending, analyze the fuel again to ensure that the blended fuel continues to meet all comparable fuel specifications of Regulation .19-1B(2) of this chapter.

I. The generator shall ensure that comparable fuel or syngas fuel excluded from regulation as a solid waste under Regulation .19-2A of this chapter is:

(1) Retested, annually, at a minimum; and

(2) Retested after any process change that could change the chemical or physical properties of the waste.

.19-5 Comparable Fuel or Syngas Fuel Exclusion Record Keeping.

A. The generator of a waste excluded from regulation as a solid waste under Regulation .19-2A of this chapter shall maintain records of the following information on-site:

(1) All information required to be submitted to the Secretary as part of the notification of the claim required under Regulation .19-2B(2) of this chapter, including:

(a) The name and address of the person claiming the exclusion;

(b) The EPA identification number of the facility at which the waste is generated;

(c) The applicable EPA Hazardous Waste Codes for each hazardous waste excluded as a fuel; and

(d) The certification required by Regulation .19-2B(5) of this chapter, signed by the person claiming the exclusion or that person's authorized representative;

(2) A brief description of the process that generated the hazardous waste and the process that generated the excluded fuel, if these processes are not the same;

(3) An estimate of the average and maximum monthly and annual quantities generated of each waste claimed to be excluded;

(4) Documentation for any claim that a constituent is not present in the hazardous waste as required under Regulation .19-4A(2) of this chapter;

(5) The results of all analyses and all detection limits achieved as required under Regulation .19-4 of this chapter;

(6) If the excluded waste was generated through treatment or blending, documentation as required under Regulations .19-2D or E of this chapter;

(7) If the waste is to be shipped off-site, a certification from the burner as required under Regulation .19-2B(6) of this chapter;

(8) A waste analysis plan and the results of the sampling and analysis performed in accordance with the waste analysis plan that includes the information required by Regulation .19-3A(4) of this chapter; and

(9) If the generator ships comparable fuel or syngas fuel off-site for burning, the generator shall retain on-site, for each shipment, the following information:

(a) The name and address of the facility receiving the comparable fuel or syngas fuel for burning;

(b) The quantity of comparable fuel or syngas fuel shipped and delivered;

(c) The date of shipment or delivery;

(d) A cross-reference to the record of comparable fuel analysis, syngas fuel analysis, or other information used to make the determination that the comparable fuel or syngas fuel meets the specifications as required under Regulation .19-4 of this chapter; and

(e) A one-time certification by the burner as required under Regulation .19-2B(6) of this chapter.

B. The generator of a waste excluded from regulation as a solid waste under Regulation .19-2A of this chapter shall maintain:

- (1) The records identified in §A of this regulation for a period of 3 years from the date the information was obtained;
- (2) A current waste analysis plan during the 3-year period of §B(1) of this regulation; and
- (3) The records identified in §B(1) and (2) of this regulation as long as the Department has an active enforcement case regarding activities associated with those records.

.20 Representative Sampling Methods.

A. The methods and equipment used for sampling waste materials will vary with the form and consistency of the waste materials to be sampled. Samples collected using the sampling protocols listed in §B, for sampling waste with properties similar to the indicated materials, will be considered by the Department to be representative of the waste.

B. Sampling Protocols.

- (1) Extremely viscous liquid—ASTM Standard D140-70.
 - (2) Crushed or powdered material—ASTM Standard D346-75.
 - (3) Soil or rock-like material—ASTM Standard D420-69.
 - (4) Soil-like material—ASTM Standard D1452-65.
 - (5) Fly Ash-like material—ASTM Standard D2234-76. (ASTM Standards are available from ASTM, 1916 Race St., Philadelphia, PA 19103.)
 - (6) Containerized liquid wastes—"COLIWASA" described in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods"*, U.S. Environmental Protection Agency, Office of Solid Waste, Washington, D.C. 29460 (copies may be obtained from Solid Waste Information, U.S. Environmental Protection Agency, 26 W. St. Clair St., Cincinnati, Ohio 45268).
- * These methods are also described in "Samplers and Sampling Procedures for Hazardous Waste Streams", EPA 600/2-80-018, January 1980.
- (7) Liquid waste in pits, ponds, lagoons, and similar reservoirs—"Pond Sampler" described in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods".*

C. This regulation also contains additional information on application of these protocols.

.21 Test Procedures—EP Toxicity and Toxicity Characteristic.

A. The EP Toxicity (Method 1310A) is published in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846, which is incorporated by reference in COMAR 26.13.01.05A(4).

B. The Toxicity Characteristic Leaching Procedure (TCLP) (Method 1311) is published in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publications SW-846, which is incorporated by reference in COMAR 26.13.01.05A(4).

.22 Chemical Analysis Test Methods.

A. Appropriate analytical procedures to determine whether a sample contains a given toxic constituent are specified in Chapter Two, "Choosing the Correct Procedure", found in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846, which is incorporated by reference in COMAR 26.13.01.05A(4).

B. Before selecting a final sampling and analysis method, a person shall consult the specific section or method described in SW-846 for additional guidance on which of the approved methods should be employed for a specific situation involving sample analysis.

DEPARTMENT OF THE ENVIRONMENT

26.13.02.23

.23 Basis for Listing Hazardous Wastes.

<i>EPA Hazardous Waste Number</i>	<i>Hazardous Constituents For Which Listed</i>
F001	tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorinated fluorocarbons, carbon tetrachloride
F002	tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, o-dichlorobenzene, trichlorofluoromethane
F003	N.A.* —Waste is hazardous because it meets either the ignitability, corrosivity, or reactivity characteristic.
F004	cresols and cresylic acid, nitrobenzene
F005	toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, 2-ethoxyethanol, benzene, 2-nitropropane
F006	cadmium, hexavalent chromium, nickel, cyanide (complexed)
F007	cyanide (salts)
F008	cyanide (salts)
F009	cyanide (salts)
F010	cyanide (salts)
F011	cyanide (salts)
F012	cyanide (complexed)
F014	cyanide (complexed)
F015	cyanide (salts)
F019	hexavalent chromium, cyanide (complexed)
F020	tetra- and pentachlorodibenzo-p-dioxins, tetra- and pentachlorodibenzofurans; tri- and tetrachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts
F021	penta- and hexachlorodibenzo-p-dioxins, penta- and hexachlorodibenzofurans, pentachlorophenol and its derivatives
F022	tetra-, penta-, and hexachlorodibenzo-p-dioxins; tetra-, penta-, and hexachlorodibenzofurans
F023	tetra-, and pentachlorodibenzo-p-dioxins, tetra- and pentachlorodibenzofurans, tri- and tetrachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts

<i>EPA Hazardous Waste Number</i>	<i>Hazardous Constituents For Which Listed</i>
F024	chloromethane, dichloromethane, trichloromethane, carbon tetrachloride, chloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, trans-1,2-dichloroethylene, 1,1-dichloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethylene, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, tetrachloroethylene, pentachloroethane, hexachloroethane, allyl chloride (3-chloropropene), dichloropropane, dichloropropene, 2-chloro-1,3-butadiene, hexachloro-1,3-butadiene, hexachlorocyclopentadiene, hexachlorocyclohexane, benzene, chlorobenzene, dichlorobenzenes, 1,2,4-trichlorobenzene, tetrachlorobenzene, pentachlorobenzene, hexachlorobenzene, toluene, naphthalene
F025	chloromethane, dichloromethane, trichloromethane, carbon tetrachloride, chloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, trans-1,2-dichloroethylene, 1,1-dichloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethylene, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, tetrachloroethylene, pentachloroethane, hexachloroethane, allyl chloride (3-chloropropene), dichloropropane, dichloropropene, 2-chloro-1,3-butadiene, hexachloro-1,3-butadiene, hexachlorocyclopentadiene, benzene, chlorobenzene, dichlorobenzene, 1,2,4-trichlorobenzene,

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.23

- tetrachlorobenzene, pentachlorobenzene, hexachlorobenzene, toluene, naphthalene
- F026 tetra-, penta-, and hexachlorodibenzo-p-dioxins, tetra-, penta-, and hexachlorodibenzofurans
- F027 tetra- and penta-, and hexachlorodibenzo-p-dioxins, tetra-, penta-, and hexachlorodibenzofurans, tri-, tetra-, and pentachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts
- F028 tetra-, penta-, and hexachlorodibenzo-p-dioxins, tetra-, penta-, and hexachlorodibenzofurans, tri-, tetra-, and pentachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts
- F032 benz(a)anthracene, benzo(a)pyrene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, pentachlorophenol, arsenic, chromium, tetra-, penta-, hexa-, heptachlorodibenzo-p-dioxins, tetra-, penta-, hexa-, heptachlorodibenzofurans
- F034 benz(a)anthracene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, naphthalene, arsenic, chromium
- F035 arsenic, chromium, lead
- F037 benzene, benzo(a)pyrene, chrysene, lead, chromium
- F038 benzene, benzo(a)pyrene, chrysene, lead, chromium
- F039 All constituents for which treatment standards are specified for multi-source leachate, both wastewaters and nonwastewaters, under 40 CFR 268.43(a), Table CCW
- K001 pentachlorophenol, phenol, 2-chlorophenol, p-chloro-m-cresol, 2,4-dimethylphenol, 2,4-dinitrophenol, trichlorophenols, tetrachlorophenols, creosote, chrysene, naphthalene, fluoranthene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, benz(a)anthracene, dibenz(a)anthracene, acenaphthalene
- K002 hexavalent chromium, lead
- K003 hexavalent chromium, lead
- K004 hexavalent chromium
- K005 hexavalent chromium, lead
- K006 hexavalent chromium
- K007 cyanide (complexed), hexavalent chromium
- K008 hexavalent chromium
- K009 chloroform, formaldehyde, methylene chloride, methyl chloride, paraldehyde, formic acid
- K010 chloroform, formaldehyde, methylene chloride, methyl chloride, paraldehyde, formic acid, chloroacetaldehyde
- K011 acrylonitrile, acetonitrile, hydrocyanic acid
- K013 hydrocyanic acid, acrylonitrile, acetonitrile

EPA

*Hazardous
Waste
Number*

Hazardous Constituents For Which Listed

- K014 acetonitrile, acrylamide
- K015 benzyl chloride, chlorobenzene, toluene, benzotrithloride
- K016 hexachlorobenzene, hexachlorobutadiene, carbon tetrachloride, hexachloroethane, perchloroethylene
- K017 epichlorohydrin, chloroethers, (bis(chloromethyl) ether and bis(2-chloroethyl) ethers), trichloropropane, dichloropropanols
- K018 1,2-dichloroethane, trichloroethylene, hexachlorobutadiene, hexachlorobenzene
- K019 ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloroethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane), trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride
- K020 ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloroethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane), trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride
- K021 antimony, carbon tetrachloride, chloroform

DEPARTMENT OF THE ENVIRONMENT

26.13.02.23

- K022 phenol, tars (polycyclic aromatic hydrocarbons)
- K023 phthalic anhydride, maleic anhydride
- K024 phthalic anhydride, 1,4-naphthoquinone
- K025 meta-dinitrobenzene, 2,4-dinitrotoluene
- K026 paraldehyde, pyridines, 2-picoline
- K027 toluene diisocyanate, toluene-2,4-diamine
- K028 1,1,1-trichloroethane, vinyl chloride
- K029 1,2-dichloroethane, 1,1,1-trichloroethane, vinyl chloride, vinylidene chloride, chloroform
- K030 hexachlorobenzene, hexachlorobutadiene, hexachloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, ethylene dichloride
- K031 arsenic
- K032 hexachlorocyclopentadiene
- K033 hexachlorocyclopentadiene
- K034 hexachlorocyclopentadiene
- K035 creosote, chrysene, naphthalene, fluoranthene, benzo(b)fluoranthene, benzo(a)anthracene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene
- K036 toluene, phosphorodithioic and phosphorothioic acid esters
- K037 toluene, phosphorodithioic and phosphorothioic acid esters
- K038 phorate, formaldehyde, phosphorodithioic and phosphorothioic acid esters
- K039 phosphorodithioic and phosphorothioic acid esters
- K040 phorate, formaldehyde, phosphorodithioic and phosphorothioic acid esters
- K041 toxaphene
- K042 hexachlorobenzene, ortho-dichlorobenzene
- K043 2,4-dichlorophenol, 2,6-dichlorophenol, 2,4,6-trichlorophenol
- K044 N.A.
- K045 N.A.
- K046 lead
- K047 N.A.
- K048 hexavalent chromium, lead
- K049 hexavalent chromium, lead

EPA

*Hazardous
Waste
Number*

Hazardous Constituents For Which Listed

- K050 hexavalent chromium
- K051 hexavalent chromium, lead
- K052 lead
- K060 cyanide, naphthalene, phenolic compounds, arsenic
- K061 hexavalent chromium, lead, cadmium
- K062 hexavalent chromium, lead
- K069 hexavalent chromium, lead, cadmium
- K071 mercury
- K073 chloroform, carbon tetrachloride, hexachloroethane, trichloroethane, tetrachloroethylene, dichloroethylene, 1,1,2,2-tetrachloroethane
- K083 aniline, nitrobenzene, diphenylamine, phenylenediamine
- K084 arsenic
- K085 benzene, dichlorobenzenes, trichlorobenzene, tetrachlorobenzene, pentachlorobenzene, hexachlorobenzene, benzyl

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.23

	chloride
K086	hexavalent chromium, lead
K087	phenol, naphthalene
K088	cyanide (complexes)
K093	phthalic anhydride, maleic anhydride
K094	phthalic anhydride
K095	1,1,2-trichloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane
K096	1,2-dichloroethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane chlordanes, heptachlor
K097	chlordanes, heptachlor
K098	toxaphene
K099	2,4-dichlorophenol, 2,4,6-trichlorophenol
K100	hexavalent chromium, lead, cadmium
K101	arsenic
K103	aniline, nitrobenzene, phenylenediamine
K104	aniline, benzene, diphenylamine, nitrobenzene, phenylenediamine
K105	benzene, monochlorobenzene, dichlorobenzenes, 2,4,6-trichlorophenol
K106	mercury
K107	1,1-dimethylhydrazine (UDMH)
K108	1,1-dimethylhydrazine (UDMH)
K109	1,1-dimethylhydrazine (UDMH)
K110	1,1-dimethylhydrazine (UDMH)
K111	2,4-dinitrotoluene
K112	2,4-toluenediamine, o-toluidine, p-toluidine, aniline
K113	2,4-toluenediamine, o-toluidine, p-toluidine, aniline
K114	2,4-toluenediamine, o-toluidine, p-toluidine
K115	2,4-toluenediamine
K116	carbon tetrachloride, tetrachloroethylene, chloroform, phosgene
K117	ethylene dibromide
K118	ethylene dibromide

EPA

Hazardous
Waste
Number

Hazardous Constituents For Which Listed

K123	ethylene thiourea
K124	ethylene thiourea
K125	ethylene thiourea
K126	ethylene thiourea
K131	dimethyl sulfate, methyl bromide
K132	methyl bromide
K136	ethylene dibromide
K141	Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(ah)anthracene, indeno(1,2,3-cd)pyrene
K142	Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(ah)anthracene, indeno(1,2,3-cd)pyrene
K143	Benzene, benz(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene
K144	Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a)anthracene

DEPARTMENT OF THE ENVIRONMENT

26.13.02.24

- K145 Benzene, benz(a)anthracene, benzo(a)pyrene, dibenz(ah)anthracene, naphthalene
- K147 Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(ah)anthracene, indeno(1,2,3-cd)pyrene
- K148 Benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(ah)anthracene, indeno(1,2,3-cd)pyrene
- K149 Benzotrichloride, benzyl chloride, chloroform, chloromethane, chlorobenzene, 1,4-dichlorobenzene, hexachlorobenzene, pentachlorobenzene, 1,2,4,5-tetrachlorobenzene, toluene
- K150 Carbon tetrachloride, chloroform, chloromethane, 1,4-dichlorobenzene, hexachlorobenzene, pentachlorobenzene, 1,2,4,5-tetrachlorobenzene, 1,1,2,2-tetrachloroethane, tetrachloroethylene, 1,2,4-trichlorobenzene
- K151 Benzene, carbon tetrachloride, chloroform, hexachlorobenzene, pentachlorobenzene, toluene, 1,2,4,5-tetrachlorobenzene, tetrachloroethylene
- K156 benomyl, carbaryl, carbendazim, carbofuran, carbosulfan, formaldehyde, methylene chloride, triethylamine
- K157 carbon tetrachloride, formaldehyde, methyl chloride, methylene chloride, pyridine, triethylamine
- K158 benomyl, carbendazim, carbofuran, carbosulfan, chloroform, methylene chloride
- K159 benzene, butylate, eptc, molinate, pebulate, vernolate
- K161 antimony, arsenic, metam-sodium, ziram
- K169 benzene
- K170 benzo(a)pyrene, dibenz(a,h)anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, 3-methylcholanthrene, 7,12-dimethylbenz(a)anthracene
- K171 benzene, arsenic
- K172 benzene, arsenic
- K174 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD); 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF); 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,6,7,8,9-HpCDF); HxCDDs (All Hexachlorodibenzo-p-dioxins); HxCDFs (All Hexachlorodibenzofurans); PeCDDs (All Pentachlorodibenzo-p-dioxins); OCDD (1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin); OCDF (1,2,3,4,6,7,8,9-Octachlorodibenzofuran); PeCDFs (All Pentachlorodibenzofurans); TCDDs (All Tetrachlorodibenzo-p-dioxins); TCDFs (All Tetrachlorodibenzofurans)
- K175 mercury
- K176 arsenic, lead
- K177 antimony
- K178 thallium

.24 Hazardous Constituents.

For the purposes of this regulation, "hazardous constituent" means any of the substances listed in Appendix VIII of 40 CFR Part 261.

.25 Repealed.

.26 Wastes Excluded Under COMAR 26.13.01.04A and C.

A. Wastes with State Hazardous Waste Number MD02.

(1) In accordance with COMAR 26.13.01.04A and C, wastes that are residuals from the decontamination of the chemical warfare agents identified in §A(2) of this regulation that would otherwise be assigned State Hazardous Waste Number MD02 are excluded from the list of hazardous wastes in Regulation .18 of this chapter if the decontamination:

(a) Has been conducted according to the protocol presented in §4.2 of the report "To Support the Delisting of Decontaminated Liquid Chemical Surety Materials as Listed Hazardous Waste from Specific Sources COMAR 10.51.02.16 and 10.51.02.16-1 K991—K999 and Residues from K991—K999" (U.S. Army Chemical Research, Development and Engineering Center, Aberdeen Proving Ground, Maryland, 1988), which is incorporated by reference; and

(b) Is performed at a facility located at the U.S. Army Aberdeen Proving Ground that is operated by:

(i) The Edgewood Chemical Biological Center or a successor organization; or

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.26

(ii) The Medical Research Institute of Chemical Defense or a successor organization. (Agency note: The document cited in §A(1)(a) of this regulation was subsequently retitled and republished without other changes by the U. S. Army Chemical Research, Development and Engineering Center as "Support for the Delisting of Decontaminated Liquid Chemical Surety Materials as Listed Hazardous Waste from Specific Sources (State) MD02 in COMAR 10.51.02.16-1", Report Number CRDEC-TR-009, November 1988.)

(2) The exclusion of §A(1) of this regulation is applicable to residuals from the decontamination of the following chemical warfare agents:

(a) Ethyl dimethylamidocyanophosphate, also known by the common names GA and Tabun and the following alternate chemical names:

(i) Ethyl N,N dimethylphosphoramidocyanidate; and

(ii) Dimethylamidoethoxyphosphoryl cyanide;

(b) Isopropyl methanefluorophosphonate, also known by the common names GB and Sarin and the following alternate chemical names:

(i) Isopropyl methylphosphonofluoridate; and

(ii) Isopropyl ester of methylphosphonofluoridic acid;

(c) 3,3-dimethyl-n-but-2-yl methylphosphonofluoridate, also known by the common names GD and Soman and the following alternate chemical names:

(i) Pinacolyl methylphosphonofluoridate;

(ii) 1,2,2-trimethylpropyl methylphosphonofluoridate; and

(iii) Pinacoloxymethylphosphoryl fluoride;

(d) O-ethyl S-(2-diisopropyl-aminoethyl) methylphosphonothioate, also known by the common name VX;

(e) Chlorovinylarsine dichloride, also known by the common names L and Lewisite, and the following alternate chemical names:

(i) Dichloro (2-chlorovinyl) arsine; and

(ii) 2-chlorovinyl dichloroarsine; and

(f) Bis(2-chloroethyl) sulfide, also known by the common names sulfur mustard, H, HS, and HD.

B. Wastes with State Hazardous Waste Number MD03. In accordance with COMAR 26.13.01.04A and C, wastes that are residuals from the decontamination and treatment of the waste chemical warfare agents having Hazardous Waste Numbers K991—K995 or K997 that would otherwise be assigned State Waste Hazardous Number MD03 are excluded from the list of hazardous wastes in Regulation .18 of this chapter if the decontamination and treatment:

(1) Has been conducted according to the protocol presented in §4.2 of the report "To Support the Delisting of Decontaminated Liquid Chemical Surety Materials as Listed Hazardous Waste from Specific Sources COMAR 10.51.02.16 and 10.51.02.16-1 K991—K999 and Residues from K991—K999" (U.S. Army Chemical Research, Development and Engineering Center, Aberdeen Proving Ground, Maryland, 1988), which is incorporated by reference; and

(2) Is performed at a facility located at the U.S. Army Aberdeen Proving Ground that is operated by the Edgewood Chemical Biological Center or a successor organization. (Agency note: The document cited in §B(1) of this regulation was subsequently retitled and republished without other changes by the U. S. Army Chemical Research, Development and Engineering Center as "Support for the Delisting of Decontaminated Liquid Chemical Surety Materials as Listed Hazardous Waste from Specific Sources (State) MD02 in COMAR 10.51.02.16-1", Report Number CRDEC-TR-009, November 1988.)

C. HD Hydrolysate. In accordance with COMAR 26.13.01.04A and C, HD hydrolysate, the effluent from the chemical neutralization by a hydrolysis reaction of waste chemical warfare agent HD (Hazardous Waste Number K997), that would otherwise be assigned State Hazardous Waste Number MD03, is excluded from the list of hazardous wastes in Regulation .18 of this chapter if:

DEPARTMENT OF THE ENVIRONMENT

26.13.02.26

(1) The HD hydrolysate is produced as a result of a hydrolysis reaction between HD and water in a low temperature, low pressure environment, that is, at a temperature on the order of 200 degrees Fahrenheit and a pressure on the order of 30 pounds per square inch absolute;

(2) Analysis of a representative sample of the HD hydrolysate, using a method acceptable to the Secretary, demonstrates that the concentration of HD in the hydrolysate is nondetect with a method detection limit of 20 parts per billion or less; and

(3) The HD hydrolysate is solely produced at the U.S. Army Aberdeen Proving Ground, Aberdeen Chemical Agent Neutralization Facility, Aberdeen Proving Ground, Maryland under:

(a) A controlled hazardous substances treatment facility permit issued by the Department; or

(b) An order issued under authority of Environment Article, §7-207(a), Annotated Code of Maryland.

D. Exclusion of Wastes Generated by Organizations Not Identified in §§A—C of this Regulation. A waste having State Hazardous Waste Number MD02 or MD03, that is generated by an organization at the U.S. Army Aberdeen Proving Ground not identified in §§A—C of this regulation, may be excluded from the list of hazardous wastes in Regulation .18 of this chapter if the generator of the waste:

(1) Ensures that the waste will be generated from a treatment or decontamination process or will be subjected to a treatment or decontamination process that is identified in §§A—C of this regulation;

(2) Provides the Secretary with a written notification that includes:

(a) A statement that the generator believes that the waste should be excluded from the list of hazardous wastes in Regulation .18 of this chapter;

(b) The identity of the generator and the facility where the waste will be generated, decontaminated, or treated; and

(c) A description of how the waste will be generated, decontaminated or treated, and why the generator believes it should be excluded from the list of hazardous wastes in Regulation .18 of this chapter;

(3) Provides the Secretary with additional information that the Secretary may consider necessary to evaluate the appropriateness of excluding the waste; and

(4) Receives written approval of the exclusion from the Secretary.

Administrative History

Effective date:

Regulations .01—.17 adopted as an emergency provision effective November 18, 1980 (7:25 Md. R. S-1); adopted permanently effective April 3, 1981 (8:7 Md. R. 642)

Regulations .02C, F; .04A, B, D; .05D, .06B, .15, .16, and .17E, F amended, .05F adopted, and .07C repealed effective February 13, 1984 (11:3 Md. R. 202)

Regulations .02F, .03A, .06B, .13B, .14, .15, .17E—F and Appendices IV and V amended, and .05G adopted effective July 30, 1984 (11:5 Md. R. 1330)

Regulations .02F, .04D, .07C, and .16-1 adopted effective January 31, 1983 (10:2 Md. R. 110)

Regulations .03A, .04A and B, .07A and B, .10A, .11A, .12A, and .17F amended effective January 31, 1983 (10:2 Md. R. 110)

Regulations .04, .05C, .06B, .15, .16, .17E, F, and Appendix IV amended effective January 18, 1982 (9:1 Md. R. 20)

Regulation .05A, B amended effective August 12, 1985 (12:16 Md. R. 1607)

Regulation .16 amended as an emergency provision effective January 13, 1987 (14:3 Md. R. 269); emergency status expired June 29, 1987; adopted permanently effective July 12, 1987 (14:14 Md. R. 1573)

Regulation .16-1 amended as an emergency provision effective January 13, 1987 (14:3 Md. R. 269); emergency status expired June 29, 1987; adopted permanently effective July 12, 1987 (14:14 Md. R. 1573)

Annotation: COMAR 10.51.02 cited in *Thomas v. State of Maryland*, 62 Md. App. 160 (1985)

Regulation .01 amended effective April 18, 1988 (15:8 Md. R. 1009)

Regulation .02A—F repealed, and new A—G adopted effective April 18, 1988 (15:8 Md. R. 1009)

Regulation .03C amended effective April 18, 1988 (15:8 Md. R. 1009)

Regulation .04A, B amended effective April 18, 1988 (15:8 Md. R. 1009)

Regulation .05A—F amended, and G repealed effective April 18, 1988 (15:8 Md. R. 1009)

Regulation .06 repealed and new Regulation .06 adopted effective April 18, 1988 (15:8 Md. R. 1009)

Regulation .06-1 adopted effective April 18, 1988 (15:8 Md. R. 1009)

Regulation .14E amended effective April 18, 1988 (15:8 Md. R. 1009)

Regulation .15 amended effective April 18, 1988 (15:8 Md. R. 1009)

Regulation .16 amended effective April 18, 1988 (15:8 Md. R. 1009)

DISPOSAL OF CONTROLLED HAZARDOUS SUBSTANCES

26.13.02.26

Regulation .16-1 amended effective April 18, 1988 (15:8 Md. R. 1009)
 Regulation .17 amended effective April 18, 1988 (15:8 Md. R. 1009)
 Appendices III, IV, and V amended effective April 18, 1988 (15:8 Md. R. 1009)

Regulation .06-1 recodified to Regulation .07
 Regulations .07—.16 recodified to Regulations .08—.17
 Regulation .16-1 recodified to Regulation .18
 Regulation .17A—E recodified to Regulation .19A—E
 Regulation .17E-1, F, and G recodified to Regulation .19F, G, and H
 Appendices I—VI codified as Regulations .20—25

Chapter recodified from COMAR 10.51.02 to COMAR 26.13.02

Regulation .01C amended effective December 23, 1991 (18:25 Md. R. 2759); May 24, 1993 (20:10 Md. R. 853)
 Regulation .02A amended effective August 28, 1995 (22:17 Md. R. 1321)
 Regulation .02A, G amended effective December 23, 1991 (18:25 Md. R. 2759)
 Regulation .02C amended effective May 24, 1993 (20:10 Md. R. 853)
 Regulation .03A amended effective December 23, 1991 (18:25 Md. R. 2759); September 7, 1998 (25:18 Md. R. 1438)
 Regulation .04 amended and recodified to Regulations .04 and .04-1—.04-3 effective December 23, 1991 (18:25 Md. R. 2759)
 Regulation .04A amended effective May 24, 1993 (20:10 Md. R. 853); August 28, 1995 (22:17 Md. R. 1321); September 10, 1997 (24:5 Md. R. 413)
 Regulations .04-1 amended effective April 11, 1994 (21:7 Md. R. 533); September 7, 1998 (25:18 Md. R. 1438)
 Regulations .04-4 and .04-5 adopted effective December 23, 1991 (18:25 Md. R. 2759)
 Regulation .04-4B amended effective May 5, 1997 (24:9 Md. R. 659)
 Regulation .05B amended effective September 10, 1997 (24:5 Md. R. 413)
 Regulation .05C amended effective December 23, 1991 (18:25 Md. R. 2759)
 Regulation .05D amended effective May 24, 1993 (20:10 Md. R. 853); May 8, 1995 (22:9 Md. R. 648)
 Regulation .05E amended effective September 7, 1998 (25:18 Md. R. 1438)
 Regulation .06 amended effective December 23, 1991 (18:25 Md. R. 2759)
 Regulation .06A amended effective May 24, 1993 (20:10 Md. R. 853); August 28, 1995 (22:17 Md. R. 1321); September 10, 1997 (24:5 Md. R. 413);
 September 7, 1998 (25:18 Md. R. 1438)
 Regulation .06D adopted effective August 28, 1995 (22:17 Md. R. 1321)
 Regulation .09A amended effective April 11, 1994 (21:7 Md. R. 533)
 Regulation .10A amended effective December 23, 1991 (18:25 Md. R. 2759)
 Regulation .14 repealed and new Regulation .14 adopted effective December 23, 1991 (18:25 Md. R. 2759)
 Regulation .15B and C amended effective December 23, 1991 (18:25 Md. R. 2759)
 Regulation .16 amended effective December 23, 1991 (18:25 Md. R. 2759); May 24, 1993 (20:10 Md. R. 853); April 11, 1994 (21:7 Md. R. 533); September
 10, 1997 (24:5 Md. R. 413)
 Regulation .17 amended effective June 10, 1992 (18:25 Md. R. 2759); April 11, 1994 (21:7 Md. R. 533); August 28, 1995 (22:17 Md. R. 1321)
 Regulation .18 amended effective March 6, 1989 (16:4 Md. R. 498)
 Regulation .19 amended effective December 23, 1991 (18:25 Md. R. 2759); May 24, 1993 (20:10 Md. R. 853); April 11, 1994 (21:7 Md. R. 533)
 Regulation .22 amended effective May 24, 1993 (20:10 Md. R. 853); April 11, 1994 (21:7 Md. R. 533); September 10, 1997 (24:5 Md. R. 413)
 Regulation .23 amended effective December 23, 1991 (18:25 Md. R. 2759); April 11, 1994 (21:7 Md. R. 533); August 28, 1995 (22:17 Md. R. 1321);
 September 10, 1997 (24:5 Md. R. 413)
 Regulation .24 amended effective April 11, 1994 (21:7 Md. R. 533); September 10, 1997 (24:5 Md. R. 413)
 Regulation .25 amended effective December 23, 1991 (18:25 Md. R. 2759); April 11, 1994 (21:7 Md. R. 533); September 10, 1997 (24:5 Md. R. 413)
 Regulation .26 adopted effective March 6, 1989 (16:4 Md. R. 498)

Chapter revised effective October 16, 2000 (27:20 Md. R. 1843)

Regulation .01C amended effective November 1, 2002 (29:21 Md. R. 1647); May 1, 2008 (35:8 Md. R. 809)
 Regulation .02A, C amended effective May 1, 2008 (35:8 Md. R. 809)
 Regulation .02G amended effective November 1, 2002 (29:21 Md. R. 1647)
 Regulation .03 amended effective May 1, 2008 (35:8 Md. R. 809)
 Regulation .04A amended effective November 1, 2002 (29:21 Md. R. 1647); May 1, 2008 (35:8 Md. R. 809)
 Regulation .04C adopted effective November 1, 2002 (29:21 Md. R. 1647)
 Regulation .04-1 amended effective May 1, 2008 (35:8 Md. R. 809)
 Regulation .04-3A amended effective May 1, 2008 (35:8 Md. R. 809)
 Regulation .04-4 amended effective May 1, 2008 (35:8 Md. R. 809)
 Regulation .04-5 amended effective May 1, 2008 (35:8 Md. R. 809)
 Regulation .05 amended effective November 1, 2002 (29:21 Md. R. 1647)
 Regulation .05A amended effective January 1, 2007 (33:26 Md. R. 1999)
 Regulation .05B amended effective September 11, 2006 (33:18 Md. R. 1507)
 Regulation .05G adopted effective January 1, 2007 (33:26 Md. R. 1999)
 Regulation .06 amended effective May 1, 2008 (35:8 Md. R. 809)
 Regulation .06A amended effective November 1, 2002 (29:21 Md. R. 1647)
 Regulation .06E adopted effective November 1, 2002 (29:21 Md. R. 1647)

DEPARTMENT OF THE ENVIRONMENT

26.13.02.26

Regulation .07B amended effective September 11, 2006 (33:18 Md. R. 1507); May 1, 2008 (35:8 Md. R. 809)
Regulation .07-1 adopted effective November 1, 2002 (29:21 Md. R. 1647)
Regulation .07-1B amended effective May 1, 2008 (35:8 Md. R. 809)
Regulation .10 amended effective May 1, 2008 (35:8 Md. R. 809)
Regulation .11 amended effective May 1, 2008 (35:8 Md. R. 809)
Regulation .11-1 adopted effective May 1, 2008 (35:8 Md. R. 809)
Regulation .12B amended effective May 1, 2008 (35:8 Md. R. 809)
Regulation .13 amended effective May 1, 2008 (35:8 Md. R. 809)
Regulation .14 amended effective May 1, 2008 (35:8 Md. R. 809)
Regulation .16A amended effective May 1, 2008 (35:8 Md. R. 809)
Regulation .17 amended effective July 8, 2002 (29:13 Md. R. 992); May 1, 2008 (35:8 Md. R. 809)
Regulation .18 amended effective July 8, 2002 (29:13 Md. R. 992)
Regulation .19 amended effective May 1, 2008 (35:8 Md. R. 809)
Regulation .19-1 adopted effective November 1, 2002 (29:21 Md. R. 1647)
Regulation .19-2 adopted effective November 1, 2002 (29:21 Md. R. 1647)
Regulation .19-3 adopted effective November 1, 2002 (29:21 Md. R. 1647)
Regulation .19-4 adopted effective November 1, 2002 (29:21 Md. R. 1647)
Regulation .19-5 adopted effective November 1, 2002 (29:21 Md. R. 1647)
Regulation .23 amended effective November 1, 2002 (29:21 Md. R. 1647); May 1, 2008 (35:8 Md. R. 809)
Regulation .24 repealed and new Regulation .24 adopted effective May 1, 2008 (35:8 Md. R. 809)
Regulation .26 repealed and new Regulation .26 adopted effective July 8, 2002 (29:13 Md. R. 992)