APPENDIX A

LIST OF HAZARDOUS SUBSTANCES

(Alphabetical Order)

Name	CAS Number
Abamectin	71751-41-2
Acenaphthene	83-32-9
Acenaphthylene	208-96-8
Acephate	30560-19-1
Acetaldehyde	75-07-0
Acetamide	60-35-5
Acetic acid	64-19-7
Acetic anhydride	108-24-7
Acetone	67-64-1
Acetone cyanohydrin	75-86-5
Acetone thiosemicarbazide	1752-30-3
Acetonitrile	75-05-8
Acetophenone	98-86-2
Acetoxytriphenylstannane	900-95-8
2-Acetylaminofluorene	53-96-3
Acetyl bromide	506-96-7
Acetyl chloride	75-36-5
Acetylene*	74-86-2
1-Acetyl-2-thiourea	591-08-2
Acifluorfen, sodium salt	62476-59-9
Acrolein	107-02-8
Acrylamide	79-06-1
Acrylic acid	79-10-7
Acrylonitrile	107-13-1
Acrylyl chloride	814-68-6
Adipic acid	124-04-9
Adiponitrile	111-69-3
Alachlor	15972-60-8
Aldicarb	116-06-3
Aldicarb sulfone	1646-88-4

Aldrin	309-00-2
d-trans-Allethrin	28057-48-9
Allyl alcohol	107-18-6
Allyl amine	107-11-9
Allyl chloride	107-05-1
Aluminum (fume or dust)	7429-90-5
Aluminum oxide (fibrous forms)	1344-28-1
Aluminum phosphide	20859-73-8
Aluminum sulfate	10043-01-3
Ametryn	834-12-8
2-Aminoanthraquinone	117-79-3
4-Aminoazobenzene	60-09-3
4-Aminobiphenyl	92-67-1
(4-Aminobutyl)diethoxymethylsilane	3037-72-7
1-Amino-2-methylanthraquinone	82-28-0
p-Aminopropiophenone	70-69-9
Aminopterin	54-62-6
4-Aminopyridine	504-24-5
Amiton	78-53-5
Amiton oxalate	3734-97-2
Amitraz	33089-61-1
Amitrole	61-82-5
Ammonia	7664-41-7
Ammonium acetate	631-61-8
Ammonium benzoate	1863-63-4
Ammonium bicarbonate	1066-33-7
Ammonium bichromate	7789-09-5
Ammonium bifluoride	1341-49-7
Ammonium bisulfite	10192-30-0
Ammonium carbamate	1111-78-0
Ammonium carbonate	506-87-6
Ammonium chloride	12125-02-9
Ammonium chromate	7788-98-9
Ammonium citrate dibasic	3012-65-5
Ammonium fluoborate	13826-83-0
Ammonium fluoride	12125-01-8
Ammonium hydroxide	1336-21-6

Ammonium oxalate	14258-49-2
Ammonium oxalate, monohydrate	6009-70-7
Ammonium oxalate, unspecified hydrate	5972-73-6
Ammonium perchlorate	7790-98-9
Ammonium picrate	131-74-8
Ammonium silicofluoride	16919-19-0
Ammonium sulfamate	7773-06-0
Ammonium sulfide	12135-76-1
Ammonium sulfite	10196-04-0
Ammonium tartrate, diammonium salt	3164-29-2
Ammonium tartrate	14307-43-8
Ammonium thiocyanate	1762-95-4
Ammonium vanadate	7803-55-6
Amphetamine	300-62-9
n-Amyl acetate	628-63-7
iso-Amyl acetate	123-92-2
sec-Amyl acetate	626-38-0
tert-Amyl acetate	625-16-1
Anilazine	101-05-3
Aniline (and salts)	62-53-3
o-Anisidine	90-04-0
p-Anisidine	104-94-9
o-Anisidine hydrochloride	134-29-2
Anthracene	120-12-7
Antimony	7440-36-0
Antimony compounds	*****
Antimony pentachloride	7647-18-9
Antimony pentafluoride	7783-70-2
Antimony potassium tartrate	28300-74-5
Antimony tribromide	7789-61-9
Antimony trichloride	10025-91-9
Antimony trifluoride	7783-56-4
Antimony trioxide	1309-64-4
Antimycin A	1397-94-0
ANTU (concentrations above 4%)	86-88-4
Aroclor 1016	12674-11-2
Aroclor 1221	11104-28-2

Aroclor 1232	11141-16-5
Aroclor 1242	53469-21-9
Aroclor 1248	12672-29-6
Aroclor 1254	11097-69-1
Aroclor 1260	11096-82-5
Aroclor 5442	12642-23-8
Arsenic	7440-38-2
Arsenic acid	1327-52-2
	7778-39-4
Arsenic compounds	*****
Arsenic disulfide	1303-32-8
Arsenic pentoxide	1303-28-2
Arsenic trioxide (concentrations above 1.5%)	1327-53-3
Arsenic trisulfide	1303-33-9
Arsenous trichloride	7784-34-1
Arsine	7784-42-1
Asbestos (friable)	1332-21-4
Atrazine	1912-24-9
Auramine	492-80-8
Azaserine	115-02-6
Azinphos-ethyl	2642-71-9
Azinphos-methyl	86-50-0
Barban	101-27-9
Barium	7440-39-3
Barium compounds (except Barium sulfate)	*****
Barium cyanide	542-62-1
Bendiocarb (conc. above 15%)	22781-23-3
Bendiocarb phenol	22961-82-6
Benfluralin	1861-40-1
Benomyl	17804-35-2
Benzacridine	225-51-4
Benzal chloride	98-87-3
Benzamide	55-21-0
Benzanthracene	56-55-3
Benzene	71-43-2
Benzenearsonic acid	98-05-5
Benzenesulfonyl chloride	98-09-9

Benzenethiol	108-98-5
Benzidine	92-87-5
Benzo(b)fluoranthene	205-99-2
Benzo(j)fluoranthene	205-82-3
Benzo(k)fluoranthene	207-08-9
Benzoic acid	65-85-0
Benzonitrile	100-47-0
Benzoperylene	191-24-2
Benzopyrene	50-32-8
Benzotrichloride	98-07-7
Benzoyl chloride	98-88-4
Benzoyl peroxide	94-36-0
Benzyl chloride	100-44-7
Benzyl cyanide	140-29-4
Beryllium powder	7440-41-7
Beryllium chloride	7787-47-5
Beryllium compounds	*****
Beryllium fluoride	7787-49-7
Beryllium nitrate	7787-55-5
	13597-99-4
alpha-BHC	319-84-6
beta-BHC	319-85-7
delta-BHC	319-86-8
Bifenthrin	82657-04-3
Biphenyl	92-52-4
Bis(2-chloroethoxy)methane	111-91-1
Bis(2-chloroisopropyl)ether	108-60-1
Bis(chloromethyl)ether	542-88-1
Bis(chloromethyl)ketone	534-07-6
3,3-Bis(chloromethyl)oxetane	78-71-7
1,3-Bis(methylisocyanate)cyclohexane	38661-72-2
1,4-Bis(methylisocyanate)cyclohexane	10347-54-3
Bisphenol A	80-05-7
Bis(tributyltin) oxide	56-35-9
Bitoscanate	4044-65-9
Boron trichloride	10294-34-5

Boron trifluoride	7637-07-2
Boron trifluoride compound with methyl ether (1:1) (conc. above 0.0005%)	353-42-4
Bromacil	314-40-9
Bromacil, lithium salt	53404-19-6
Bromadiolone (concentrations above 0.01%)	28772-56-7
Bromine	7726-95-6
Bromoacetone	598-31-2
1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile	35691-65-7
Bromochlorodifluoromethane (Halon 1211)*	353-59-3
Bromoform	75-25-2
4-Bromophenyl phenyl ether	101-55-3
Bromotrifluorethylene*	598-73-2
Bromotrifluoromethane (Halon 1301)*	75-63-8
Bromoxynil	1689-84-5
Bromoxynil octanoate	1689-99-2
Brucine	357-57-3
1,3-Butadiene	106-99-0
Butane*	106-97-8
iso-Butane*	75-28-5
Butene*	25167-67-3
1-Butene*	106-98-9
2-Butene*	107-01-7
2-Butene-cis*	590-18-1
2-Butene-trans*	624-64-6
n-Butyl acetate	123-86-4
iso-Butyl acetate	110-19-0
sec-Butyl acetate	105-46-4
tert-Butyl acetate	540-88-5
Butyl acrylate	141-32-2
n-Butyl alcohol	71-36-3
iso-Butyl alcohol	78-83-1
sec-Butyl alcohol	78-92-2
tert-Butyl alcohol	75-65-0
Butylamine	109-73-9
iso-Butylamine	78-81-9
sec-Butylamine	513-49-5

tert-Butylamine	75-64-9
Butyl benzyl phthalate	85-68-7
	13952-84-6
1,2-Butylene oxide	106-88-7
Butyraldehyde	123-72-8
iso-Butyraldehyde	78-84-2
Butyric acid	107-92-6
iso-Butyric acid	79-31-2
C.I. Acid Blue 1, sodium salt	129-17-9
C.I. Acid Blue 9, diammonium salt	2650-18-2
C.I. Acid Green 3	4680-78-8
C.I. Acid Green 5	5141-20-8
C.I. Acid Red 114	6459-94-5
C.I. Basic Green 4	569-64-2
C.I. Basic Red 1	989-38-8
C.I. Direct Black 38	1937-37-7
C.I. Direct Blue 6	2602-46-2
C.I. Direct Blue 218	28407-37-6
C.I. Direct Brown 95	16071-86-6
C.I. Disperse Yellow 3	2832-40-8
C.I. Food Red 5	3761-53-3
C.I. Food Red 15	81-88-9
C.I. Food Red 6	3564-09-8
C.I. Solvent Orange 7	3118-97-6
C.I. Solvent Orange 2	2646-17-5
C.I. Solvent Red 80	6358-53-8
C.I. Solvent Yellow 3	97-56-3
C.I. Solvent Yellow 14	842-07-9
C.I. Vat Yellow 4	128-66-5
Cacodylic acid	75-60-5
Cadmium	7440-43-9
Cadmium acetate	543-90-8
Cadmium bromide	7789-42-6
Cadmium chloride	10108-64-2
Cadmium compounds	*****
Cadmium oxide	1306-19-0
Cadmium stearate	2223-93-0

Calcium arsenate	7778-44-1
Calcium arsenite	52740-16-6
Calcium carbide	75-20-7
Calcium chromate	13765-19-0
Calcium cyanamide	156-62-7
Calcium cyanide	592-01-8
Calcium dodecylbenzenesulfonate	26264-06-2
Calcium hypochlorite	7778-54-3
Cantharidin	56-25-7
Captan	133-06-2
Carbachol chloride	51-83-2
Carbamimidoselenoic acid	630-10-4
Carbaryl	63-25-2
Carbendazim	10605-21-7
Carbofuran	1563-66-2
Carbofuran phenol	1563-38-8
Carbon disulfide	75-15-0
Carbon tetrachloride	56-23-5
Carbonyl fluoride	353-50-4
Carbonyl sulfide	463-58-1
Carbophenothion	786-19-6
Carbosulfan	55285-14-8
Carboxin	5234-68-4
Catechol	120-80-9
Chinomethionat	2349-01-2
Chloramben	133-90-4
Chlorambucil	305-03-3
Chlordane	57-74-9
Chlordane metabolites	*****
Chlorendic acid	115-28-6
Chlorfenvinfos	470-90-6
Chlorimuron ethyl	90982-32-4
Chlorinated benzenes	*****
Chlorinated ethanes	*****
Chlorinated naphthalene	*****
Chlorinated phenols	*****
Chlorine	7782-50-5

Chlorine dioxide	10049-04-4
Chlorine monoxide*	7791-21-1
Chlormephos	24934-91-6
Chlormequat chloride	999-81-5
Chlornaphazine	494-03-1
Chloroacetaldehyde	107-20-0
Chloroacetic acid	79-11-8
2-Chloroacetophenone	532-27-4
Chloroalkyl ethers	*****
1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride	4080-31-3
p-Chloroaniline	106-47-8
Chlorobenzene	108-90-7
Chlorobenzilate	510-15-6
4-Chloro-m-cresol	59-50-7
3-Chloro-6-cyano-2-norbornanone-o-(methycarbamoyl)oxime	5271-41-7
Chlorodibromomethane	24-48-1
1-Chloro-1,1-difluoroethane (HCFC-142b)*	75-68-3
Chlorodifluoromethane (HCFC-22)*	75-45-6
Chloroethane	75-00-3
2-Chloroethanesulfonyl chloride	1622-32-8
Chloroethanol	107-07-3
Chloroethyl chloroformate	627-11-2
2-Chloroethyl vinyl ether	110-75-8
Chloroform	67-66-3
Chloromethyl methyl ether	107-30-2
1-Chloromethyl-4-nitrobenzene	100-14-1
3-Chloro-2-methyl-1-propene	563-47-3
2-Chloronaphthalene	91-58-7
Chloropentafluoroethane (CFC-115)*	76-15-3
Chlorophacinone (concentrations 0.2% and above)	3691-35-8
o-Chlorophenol	95-57-8
Chlorophenols	*****
p-Chlorophenyl isocyanate	104-12-1
4-Chlorophenyl phenyl ether	7005-72-3
1-(o-Chlorophenyl)thiourea	5344-82-1
Chloropicrin	76-06-2
Chloroprene	126-99-8

3-Chloropropionitrile	542-76-7
1-Chloropropylene*	590-21-6
2-Chloropropylene*	557-98-2
3-Chloropropyloctylsulfoxide	3569-57-1
Chlorosulfonic acid	7790-94-5
Chlorotetrafluoroethane*	63938-10-3
1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)*	354-25-6
2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)*	2837-89-0
Chlorothalonil	1897-45-6
4-Chloro-o-toluidine hydrochloride	3165-93-3
p-Chloro-o-toluidine	95-69-2
2-Chloro-1,1,1-trifluoroethane (HCFC-133a)*	75-88-7
Chlorotrifluoromethane (CFC-13)*	75-72-9
3-Chloro-1,1,1-trifluoropropane (HCFC-253fb)*	460-35-5
Chloroxuron	1982-47-4
Chlorpyrifos (concentrations above 15%)	2921-88-2
Chlorpyrifos methyl	5598-13-0
Chlorsulfuron	64902-72-3
Chlorthiophos	21923-23-9
Chromic acetate	1066-30-4
Chromic acid	1115-74-5
	1115-74-5
Chromic acid (H2CrO4)	7738-94-5
Chromic chloride	10025-73-7
Chromic(II) chloride	10049-05-5
Chromic sulfate	10101-53-8
Chromium	7440-47-3
Chromium compounds	*****
Chrysene	218-01-9
Cobalt	7440-48-4
Cobalt carbonyl	10210-68-1
Cobalt compounds	*****
Cobaltous bromide	7789-43-7
Cobaltous formate	544-18-3
Cobaltous sulfamate	14017-41-5
Coke oven emissions	*****
Colchicine	64-86-8

Copper	7440-50-8
Copper compounds	*****
Copper cyanide	544-92-3
Coumaphos (concentrations above 5%)	56-72-4
Coumatetralyl	5836-29-3
Creosote	8001-58-9
p-Cresidine	120-71-8
Cresol (mixed isomers)	1319-77-3
m-Cresol	108-39-4
o-Cresol	95-48-7
p-Cresol	106-44-5
Crimidine	535-89-7
Crotonaldehyde, (E)-	123-73-9
Crotonaldehyde	4170-30-3
Cumene	98-82-8
Cumene hydroperoxide	80-15-9
Cupferron	135-20-6
Cupric acetate	142-71-2
Cupric acetoarsenite	12002-03-8
Cupric chloride	7447-39-4
Cupric nitrate	3251-23-8
Cupric oxalate	5893-66-3
Cupric sulfate	7758-98-7
Cupric sulfate, ammoniated	10380-29-7
Cupric tartrate	815-82-7
Cyanazine (concentrations above 30%)	21725-46-2
Cyanide	57-12-5
Cyanide compounds	*****
Cyanogen	460-19-5
Cyanogen bromide	506-68-3
Cyanogen chloride	506-77-4
Cyanogen iodide	506-78-5
Cyanophos	2636-26-2
Cyanuric fluoride	675-14-9
Cycloate	1134-23-2
Cyclohexane	110-82-7
1,4-Cyclohexane diisocyanate	2556-36-7

Cyclohexanol	108-93-0
Cyclohexanone	108-94-1
Cycloheximide	66-81-9
Cyclohexylamine	108-91-8
2-Cyclohexyl-4,6-dinitrophenol	131-89-5
Cyclopropane*	75-19-4
Cyfluthrin	68359-37-5
Cyclophosphamide	50-18-0
Cyhalothrin	68085-85-8
2,4-D 2-ethyl-4-methylpentyl ester	53404-37-8
Daunomycin	20830-81-3
Dazomet	533-74-4
Dazomet, sodium salt	53404-60-7
Decaborane(14)	17702-41-9
Decabromodiphenyl oxide	1163-19-5
Demeton	65-48-3
Desmedipham	13684-56-5
Dialifor	10311-84-9
Diallate	2303-16-4
2,4-Diaminoanisole	615-05-4
2,4-Diaminoanisole sulfate	39156-41-7
4,4'-Diaminodiphenyl ether	101-80-4
Diaminotoluene (mixed isomers)	25376-45-8
2,4-Diaminotoluene	95-80-7
2,6-Diaminotoluene	823-40-5
3,4-Diaminotoluene	496-72-0
Diazinon (concentrations above 25%)	333-41-5
Diazomethane	334-88-3
Dibasic lead stearate	56189-09-4
Dibenz(a,h)acridine	226-36-8
Dibenz(a,j)acridine	224-42-0
Dibenzanthracene	53-70-3
7H-Dibenzo(c,g)carbazole	194-59-2
Dibenzo(a,e)fluoranthene	5385-75-1
Dibenzofuran	132-64-9
Dibenzo(a,e)pyrene	192-65-4
Dibenzo(a,h)pyrene	189-64-0

Dibenzopyrene	189-55-9
Dibenzo(a,l)pyrene	191-30-0
Diborane	19287-45-7
1,2-Dibromo-3-chloropropane	96-12-8
Dibromotetrafluoroethane (Halon 2402)	124-73-2
N,N'-Dibutylhexamethylenediamine	4835-11-4
Dibutyl phthalate	84-74-2
Dicamba	1918-00-9
Dichlobenil	94-65-6
Dichlone	117-80-6
Dichloran	99-30-9
p,p'-Dichlorodiphenylethane	3547-04-4
Dichlorobenzene (mixed isomers)	25321-22-6
m-Dichlorobenzene	541-73-1
o-Dichlorobenzene	95-50-1
p-Dichlorobenzene	106-46-7
3,3'-Dichlorobenzidine	91-94-1
3,3'-Dichlorobenzidine dihydrochloride	612-83-9
3,3'-Dichlorobenzidine sulfate	64969-34-2
1,1-Dichloro-2,2-bis(p-chlorophenyl)ethylene (DDE)	72-55-9
Dichlorobromomethane	75-27-4
1,4-Dichloro-2-butene	764-41-0
trans-1,4-Dichlorobutene	110-57-6
1,2-Dichloro-1,1-difluoroethane (HCFC-132b)*	1649-08-7
Dichlorofluoromethane (HCFC-21)*	75-43-4
(trans-4)-Dichloro(4,4-dimethylzinc	58270-08-9
5((((methylamino)carbonyl)oxy)imimo)pentanenitrile)	
Dichlorodiphenyldichloroethane (DDD)	72-54-8
Dichlorodiphenyltrichloroethane (DDT)	50-29-3
DDT metabolites	*****
1,1-Dichloroethane	75-34-3
1,2-Dichloroethanol acetate	10140-87-1
1,2-Dichloroethylene	540-59-0
1,2-trans-Dichloroethylene	156-60-5
Dichloroethylenes (1,1-, and 1,2-Dichloroethylene)	*****
Dichloroethyl ether	111-44-4
1,1-Dichloro-1-fluoroethane (HCFC-141b)*	1717-00-6

Dichlorofluoromethane*	75-43-4
Dichloromethylphenylsilane	149-74-6
Dichloropentafluoropropane*	127564-92-5
1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)*	13474-88-9
1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)*	111512-56-2
1,2-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)*	422-44-6
1,2-Dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)*	431-86-7
1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)*	507-55-1
1,3-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)*	136013-79-1
2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)*	128903-21-9
2,3-Dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)*	422-48-0
3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)*	422-56-0
Dichlorophene	97-23-4
2,4-Dichlorophenol	120-83-2
2,6-Dichlorophenol	87-65-0
2,4-Dichlorophenoxyacetic acid (2,4-D) (concentrations above 20%)	94-75-7
2,4-Dichlorophenoxyacetic acid butoxyethanol ester (conc. above 20%)	1929-73-3
2,4-Dichlorophenoxyacetic acid n-butyl ester	94-80-4
2,4-Dichlorophenoxyacetic acid sec-butyl ester	94-79-1
2,4-Dichlorophenoxyacetic acid chlorocrotyl ester	2971-38-2
2,4-D Esters	53467-11-1
2,4-Dichlorophenoxyacetic acid 2-ethylhexyl ester (concentrations above 20%)	1928-43-4
2,4-Dichlorophenoxyacetic acid isooctyl ester (conc. above 20%)	25168-26-7
2,4-Dichlorophenoxyacetic acid isopropyl ester	94-11-1
2,4-Dichlorophenoxyacetic acid methyl ester	1928-38-7
2,4-Dichlorophenoxyacetic acid propyl ester	1928-61-6
2,4-Dichlorophenoxyacetic acid propylene glycol butylether ester	1320-18-9
2,4-Dichlorophenoxyacetic acid sodium salt (conc. above 20%)	2702-72-9
4-(2,4-Dichlorophenoxy)butyric acid	94-82-6
2-(2,4-Dichlorophenoxy)propionic acid	120-36-5
Dichlorophenylarsine	696-28-6
Dichloropropane	26638-19-7

1,1-Dichloropropane	78-99-9
1,2-Dichloropropane	78-87-5
1,3-Dichloropropane	142-28-9
trans-1,3-Dichloropropane	10061-02-6
Dichloropropane-Dichloropropene (mixture)	8003-19-8
Dichloropropene(s) (mixtures)	26952-23-8
1,3-Dichloropropene	542-75-6
2,3-Dichloropropene	78-88-6
2,2-Dichloropropionic acid	75-99-0
Dichlorotetrafluoroethane (CFC-114)	76-14-2
Dichlorotrifluoroethane*	34077-87-7
1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)*	812-04-4
Dichloro-1,1,2-trifluoroethane*	90454-18-5
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)*	354-23-4
2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123)*	306-83-2
4,5-Dichloro-2-(trifluoromethyl)benzimidazole	3615-21-2
Dichlorosilane	4109-96-0
Dichlorotetrafluoroethane (CFC-114) *	76-14-2
Dichlorvos (concentrations above 3%)	62-73-7
Diclofop methyl	51338-27-3
Dicofol	115-32-2
Dicrotophos	141-66-2
Dicyclopentadiene	77-73-6
Dieldrin	60-57-1
Diepoxybutane	1464-53-5
Diesel/Fuel or #2 heating oil	68476-34-6
Diethanolamine	111-42-2
Diethatyl ethyl	38727-55-8
Diethylamine	109-89-7
N,N-Diethylaniline	91-66-7
Diethylarsine	692-42-2
Diethyl chlorophosphate	814-49-3
Diethyldiisocyanatobenzene	134190-37-7
1,2-Diethylhydrazine	1615-80-1
O,O-Diethyl S-methyl dithiophosphate	3288-58-2
Diethyl-p-nitrophenyl phosphate	311-45-5
Diethyl phthalate	84-66-2

Diethylene glycol dicarbamate	5952-26-1
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7
Diethylstilbestrol	56-53-1
Diethyl sulfate	64-67-5
Diflubenzuron	35367-38-5
Difluoroethane	75-37-6
Digitoxin	71-63-6
Diglycidyl ether	2238-07-5
Diglycidyl resorcinol ether	101-90-6
Digoxin	20830-75-5
Dihydrosafrole	94-58-6
4,4'-Diisocyanatodiphenyl ether	4128-73-8
2,4'-Diisocyanatodiphenyl sulfide	75790-87-3
Dimefox	115-26-4
Dimethipin	55290-64-7
Dimethoate (concentrations above 25%)	60-51-5
3,3'-Dimethoxybenzidine	119-90-4
3,3'-Dimethoxybenzidine dihydrochloride	20325-40-0
3,3'-Dimethoxybenzidine-4,4'-diisocyanate	91-93-0
3,3'-Dimethoxybenzidine hydrochloride	111984-09-9
Dimethylamine	124-40-3
Dimethylamine dicamba	2300-66-5
4-Dimethylaminoazobenzene	60-11-7
2-(Dimethylamino-N-hydroxy-2-oxo)ethanimidothioic acid, methyl ester	30558-43-1
Dimethylaniline	121-69-7
7,12-Dimethylbenzanthracene	57-97-6
3,3'-Dimethylbenzidine	119-93-7
Dimethylcarbamyl chloride	79-44-7
Dimethyldichlorosilane	75-78-5
3,3'-Dimethyl-4,4'-diphenylene diisocyanate	91-97-4
3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate	139-25-3
O-(((2,4-Dimethyl-1,3-dithiolan-2-yl)methylene)amino)methyl carbamic acid	26419-73-8
N,N-Dimethylformamide	68-12-2
1,1-Dimethylhydrazine	57-14-7
1,2-Dimethylhydrazine	540-73-8

alpha,alpha-Dimethylphenethylamine	122-09-8
2,4 Dimethylphenol	105-67-9
Dimethyl-p-phenylenediamine	99-98-9
Dimethyl phosphorochloridothioate	2524-03-0
Dimethyl phthalate	131-11-3
2,2-Dimethylpropane*	463-82-1
Dimethyl sulfate	77-78-1
Dimetilan	644-64-4
Dinitrobenzene (mixed isomers)	25154-54-5
m-Dinitrobenzene	99-65-0
o-Dinitrobenzene	528-29-0
p-Dinitrobenzene	100-25-4
4,6-Dinitro-o-cresol, and salts	534-52-1
Dinitrophenol (mixed isomers)	25550-58-7
2,4 Dinitrophenol	51-28-5
2,5 Dinitrophenol	329-71-5
2,6 Dinitrophenol	573-56-8
Dinitrotoluene (mixed isomers)	25321-14-6
2,4-Dinitrotoluene	121-14-2
2,6-Dinitrotoluene	606-20-2
3,4-Dinitrotoluene	610-39-9
Dinocap	39300-45-3
Dinoseb	88-85-7
Dinoterb	1420-07-1
Di-n-octyl phthalate	117-84-0
1,4-Dioxane	123-91-1
Dioxathion	78-34-2
Dioxin and dioxin-like compounds	*****
Diphacinone (concentrations above 3%)	82-66-6
Diphenamid	957-51-7
Diphenylamine	122-39-4
1,2-Diphenylhydrazine	122-66-7
Dipotassium endothall	2164-07-0
Dipropylamine	142-84-7
Dipropyl isocinchomeronate	136-45-8
Diquat	2764-72-9
Diquat bromide	85-00-7

Disodium cyanodithioimidocarbonate	138-93-2
Disulfoton (concentrations above 2%)	298-04-4
Dithiazanine iodide	514-73-8
Dithiobiuret	541-53-7
Diuron	330-54-1
Dodecylbenzenesulfonic acid	27176-87-0
Dodine	2439-10-3
Emetine dihydrochloride	316-42-7
Endosulfan	115-29-7
alpha-Endosulfan	959-98-8
beta-Endosulfan	33213-65-9
Endosulfan metabolites	*****
Endosulfan sulfate	1031-07-8
Endothall	145-73-3
Endothion	2778-04-3
Endrin	72-20-8
Endrin aldehyde	7421-93-4
Endrin metabolites	*****
Epichlorohydrin	106-89-8
Epinephrine	51-43-4
EPN	2104-64-5
Ergocalciferol	50-14-6
Ergotamine tartrate	379-79-3
Ethane*	74-84-0
1,2-Ethanediylbiscarbamodithioic acid	111-54-6
Ethion (concentrations above 6% granular and 3% other formulations)	563-12-2
Ethoprophos	13194-48-4
2-Ethoxyethanol	110-80-5
Ethyl acetate	141-78-6
Ethyl acetylene*	107-00-6
Ethyl acrylate	140-88-5
Ethylamine	75-04-7
Ethylbenzene	100-41-4
Ethylbis(2-chloroethyl)amine	538-07-8
Ethyl chloroformate	541-41-3
Ethyl-S-dimethylaminoethyl methylphosphonothiolate	50782-69-9

Ethyl dipropylthiocarbamate (EPTC)	759-94-4
Ethylene*	74-85-1
Ethylenebisdithiocarbamic acid, salts and esters	*****
N,N'-Ethylene bis(3-fluorosalicylideneiminato)cobalt(II)	62207-76-5
Ethylenediamine	107-15-3
Ethylenediamine-tetraacetic acid (EDTA)	60-00-4
Ethylene dibromide*	106-93-4
Ethylene dichloride	107-06-2
Ethylene fluorohydrin	371-62-0
Ethylene glycol	107-21-1
Ethylene oxide	75-21-8
Ethylenimine	151-56-4
Ethyl ether*	60-29-7
Ethyl mercaptan	75-08-1
Ethyl methacrylate	97-63-2
Ethyl methanesulfonate	62-50-0
Ethyl nitrite*	109-95-5
Ethylthiocyanate	542-90-5

F001: The following spent halogenated solvents used in degreasing; all spent solvent mixtures/ blends used in degreasing containing, before use, a total of ten percen or more (by volume) of one or more of the halogenated solvents listed below or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures: (a) tetrachloroethylene; (b) trichloroethylene; (c) methylene chloride; (d) 1,1,1-trichloroethane; (e) carbon tetrachloride; (f) chlorinated fluorocarbons	*****

F002: The following spent halogenated solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the halogenated solvents listed below or those solvents listed in F001, F004, or F005; and still bottoms from the recover of these spent solvents and spent solvent mixtures:	

(a) tetrachloroethylene; (b) methylene chloride;
(c) trichloroethylene; (d) 1,1,1-trichloroethane;
(e) chlorobenzene; (f) 1,1,2-trichloro-1,2,2-trifluoroethane;
(g) o-dichlorobenzene; (h) trichlorofluoromethane;
(i) 1,1,2-trichloroethane *****

F003: The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents: (a) xylene; (b) acetone; (c) ethyl acetate; (d) ethylbenzene; (e) ethyl ether; (f) methyl isobutyl ketone; (g) n-butyl alcohol; (h) cyclohexanone; (i) methanol *****

F004: The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:
(a) cresols/cresylic acid; (b) nitrobenzene *****

F005: The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:
(a) toluene; (b) methyl ethyl ketone; (c) carbon disulfide;
(d) isobutanol; (e) pyridine *****

F006: Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum. *****

F007: Spent cyanide plating bath solutions from electroplating operations. *****

F008: Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process. *****

F009: Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process. *****

F010: Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process. *****

F011: Spent cyanide solution from salt bath pot cleaning from metal heat treating operations. *****

F012: Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process. *****

F019: Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process. *****

F020: Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.) *****

F021: Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives. *****

F022: Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions. *****

F023: Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.) *****

F024: Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor cleanout wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewater, wastewater treatment sludges, spent catalysts, and wastes listed in 40 CFR 261.31 or 261.32.) *****

F025: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. *****

F026: Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions. *****

F027: Discarded unused formulations containing tri-, tetra-,

or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.) *****

F028: Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027. *****

F032: Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with 40 CFR 261.35 or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e. F034 or F035), and where the generator does not resume or initiate the use of chlorophenolic formulations). This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol. *****

F034: Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol. *****

F035: Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood

preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol. *****

F037: Petroleum refinery primary oil/water/solids separation sludge - Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwaterunits that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in 40 CFR 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing. This listing does not include residuals generared from processing or recycling oil-bearing hazardous secondary materials excluded under 40 CFR 261.4(a)(12)(i), if those residuals are to be disposed of. *****

F038: Petroleum refinery secondary (emulsified) oil/water/solids separation sludge - Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in dissolved air floatation (DAF) units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once- through

cooling waters segregated for treatment from other process or oily cooling waters, sludges and floats generated in aggressive biological treatment units as defined in 40 CFR 261.31(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and F037, K048, and K051 wastes are not included in this listing. *****

F039: Leachate (liquids that have percolated through land disposed waste) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of 40 CFR part 261. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other hazardous wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.) *****

Famphur	52-85-7
Fenamiphos	22224-92-6
Fenarimol	60168-88-9
Fenbutatin oxide	13356-08-6
Fenoxaprop ethyl	66441-23-4
Fenoxycarb	72490-01-8
Fenpropathrin	39515-41-8
Fensulfothion	115-90-2
Fenthion (conc. above 0.5%)	55-38-9
Fenvalerate	51630-58-1
Ferbam	14484-64-1
Ferric ammonium citrate	1185-57-5
Ferric ammonium oxalate	2944-67-4
Ferric ammonium oxalate, unspecified hydrate	55488-87-4
Ferric chloride	7705-08-0
Ferric fluoride	7783-50-8
Ferric nitrate	10421-48-4
Ferric sulfate	10028-22-5
Ferrous ammonium sulfate	10045-89-3
Ferrous chloride	7758-94-3
Ferrous sulfate	7720-78-7

Ferrous sulfate heptahydrate	7782-63-0
Fine mineral fibers of average diameter 1 micrometer or less	*****
Fluazifop butyl	69806-50-4
Flueneti'	4301-50-2
Fluometuron	2164-17-2
Fluoranthene	206-44-0
Fluorene	86-73-7
Fluorine	7782-41-4
Fluoroacetamide	640-19-7
Fluoroacetic acid	144-49-0
Fluoroacetyl chloride	359-06-8
Fluorouracil	51-21-8
Fluvalinate	69409-94-5
Folpet	133-07-3
Fomesafen	72178-02-0
Fonofos	944-22-9
Formaldehyde	50-00-0
Formaldehyde cyanohydrin	107-16-4
Formetanate hydrochloride	23422-53-9
Formic acid	64-18-6
Formothion	2540-82-1
Formparanate	17702-57-7
Fosthietan	21548-32-3
Freon 113	76-13-1
Fuberidazole	3878-19-1
Fumaric acid	110-17-8
Furan	110-00-9
Furfural	98-01-1
Gallium trichloride	13450-90-3
Gasoline	8006-61-9
Glycidylaldehyde	765-34-4
Glycol ethers	*****
Haloethers	*****
Halomethanes	*****
Heptachlor	76-44-8
Heptachlor epoxide	1024-57-3
Heptachlor metabolites	*****

Hexachlorobenzene	118-74-1
Hexachlorobutadiene	87-68-3
Hexachlorocyclohexane (mixed isomers)	608-73-1
Hexachlorocyclopentadiene	77-47-4
Hexachloroethane	67-72-1
Hexachloronaphthalene	1335-87-1
Hexachlorophene	70-30-4
Hexachloropropene	1888-71-7
Hexaethyl tetraphosphate	757-58-4
Hexamethylene-1,6-diisocyanate	822-06-0
Hexamethylphosphoramide	680-31-9
n-Hexane	110-54-3
Hexazinone	51235-04-2
Hydramethylnon	67485-29-4
Hydrazine	302-01-2
Hydrazine sulfate	10034-93-2
Hydrogen*	1333-74-0
Hydrogen chloride	7647-01-0
Hydrogen cyanide	74-90-8
Hydrogen fluoride	7664-39-3
Hydrogen peroxide (Conc. 52%)	7722-84-1
Hydrogen selenide	7783-07-5
Hydrogen sulfide	7783-06-4
Hydroquinone	123-31-9
Imazalil	35554-44-0
2-Imidazolidinethione	96-45-7
Indeno(1,2,3-cd)pyrene	193-39-5
3-Iodo-2-propynyl n-butylcarbamate	55406-53-6
Iron pentacarbonyl	13463-40-6
Isobenzan	297-78-9
Isobutyronitrile	78-82-0
Isocyanic acid, 3,4-dichlorophenyl ester	102-36-3
Isodrin	465-73-6
Isofenphos	25311-71-1
Isofluorphate	55-91-4
Isophorone	78-59-1
Isophorone diisocyanate	4098-71-9

Isoprene*	78-79-5
Isopropanolamine dodecylbenzene sulfonate	42504-46-1
Isopropyl alcohol	67-63-0
Isopropyl chloride*	75-29-6
Isopropyl chloroformate	108-23-6
Isopropylmethylpyrazolyl dimethylcarbamate	119-38-0
Isosafrole	120-58-1

K001: Bottom sediment sludge from the treatment of watewaters from wood preserving processes that use creosote and/or pentachlorophenol.	*****
K002: Wastewater treatment sludge from the production of chrome yellow and orange pigments	*****
K003: Wastewater treatment sludge from the production of molybdate orange pigments.	*****
K004: Wastewater treatment sludge from the production of zinc yellow pigments.	*****
K005: Wastewater treatment sludge from the production of chrome green pigments.	*****
K006: Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).	*****
K007: Wastewater treatment sludge from the production of iron blue pigments.	*****
K008: Oven residue from the production of chrome oxide green pigments.	*****
K009: Distillation bottoms from the production of acetaldehyde from ethylene.	*****

K010: Distillation side cuts from the production of acetaldehyde from ethylene. *****

K011: Bottom stream from the wastewater stripper in the production of acrylonitrile. *****

K013: Bottom stream from the acetonitrile column in the production of acrylonitrile. *****

K014: Bottoms from the acetonitrile purification column in the production of acrylonitrile. *****

K015: Still bottoms from the distillation of benzyl chloride. *****

K016: Heavy ends or distillation residues from the production of carbon tetrachloride. *****

K017: Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin. *****

K018: Heavy ends from the fractionation column in ethyl choride production. *****

K019: Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production. *****

K020: Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production. *****

K021: Aqueous spent antimony catalyst waste from fluoromethanes production. *****

K022: Distillation bottom tars from the production of phenol/acetone from cumene. *****

K023: Distillation light ends from the production of phthalic anhydride from naphthalene. *****

K024: Distillation bottoms from the production of phthalic anhydride from naphthalene. *****

K025: Distillation bottoms from the production of nitrobenzene by the nitration of benzene. *****

K026: Stripping still tails from the production of methyl ethyl pyridines. *****

K027: Centrifuge and distillation residues from toluene diisocyanate production. *****

K028: Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane. *****

K029: Waste from the product steam stripper in the production of 1,1,1-trichloroethane. *****

K030: Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene. *****

K031: By-product salts generated in the production of MSMA and cacodylic acid. *****

K032: Wastewater treatment sludge from the production of chlordane. *****

K033: Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane. *****

K034: Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane. *****

K035: Wastewater treatment sludges generated in the production of creosote. *****

K036: Still bottoms from toluene reclamation distillation in the production of disulfoton. *****

K037: Wastewater treatment sludges from the production of disulfoton. *****

K038: Wastewater from the washing and stripping of phorate production. *****

K039: Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate. *****

K040: Wastewater treatment sludge from the production of phorate. *****

K041: Wastewater treatment sludge from the production of toxaphene. *****

K042: Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T. *****

K043: 2,6-Dichlorophenol waste from the production of 2,4-D. *****

K044: Wastewater treatment sludges from the manufacturing and processing of explosives. *****

K045: Spent carbon from the treatment of wastewater containing explosives. *****

K046: Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds. *****

K047: Pink/red water from TNT operations. *****

K048: Dissolved air flotation (DAF) float from the petroleum refining industry. *****

K049: Slop oil emulsion solids from the petroleum refining industry. *****

K050: Heat exchanger bundle cleaning sludge from the petroleum refining industry. *****

K051: API separator sludge from the petroleum refining industry. *****

K052: Tank bottoms (leaded) from the petroleum refining industry. *****

K060: Ammonia still lime sludge from coking operations. *****

K061: Emission control dust/sludge from the primary production of steel in electric furnaces. *****

K062: Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332, NAICS Codes 3311, 3312 and 33151). *****

K064: Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production. *****

K065: Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities. *****

K066: Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production. *****

K069: Emission control dust/sludge from secondary lead smelting. *****

K071: Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used. *****

K073: Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.	*****
K083: Distillation bottoms from aniline production.	*****
K084: Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	*****
K085: Distillation or fractionation column bottoms from the production of chlorobenzenes.	*****
K086: Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.	*****
K087: Decanter tank tar sludge from coking operations.	*****
K088: Spent potliners from primary aluminum reduction.	*****
K090: Emission control dust or sludge from ferrochromiumsilicon production.	*****
K091: Emission control dust or sludge from ferrochromium production.	*****
K093: Distillation light ends from the production of phthalic anhydride from ortho-xylene.	*****
K094: Distillation bottoms from the production of phthalic anhydride from ortho-xylene.	*****
K095: Distillation bottoms from the production of 1,1,1-trichloroethane.	*****

K096: Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane. *****

K097: Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane. *****

K098: Untreated process wastewater from the production of toxaphene. *****

K099: Untreated wastewater from the production of 2,4-D. *****

K100: Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting. *****

K101: Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds. *****

K102: Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds. *****

K103: Process residues from aniline extraction from the production of aniline. *****

K104: Combined wastewater streams generated from nitrobenzene/aniline production. *****

K105: Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes. *****

K106: Wastewater treatment sludge from the mercury cell process in chlorine production. *****

K107: Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic *****

acid hydrazines.

K108: Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides *****

K109: Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides. *****

K110: Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides. *****

K111: Product washwaters from the production of dinitrotoluene via nitration of toluene. *****

K112: Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene. *****

K113: Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene *****

K114: Vicinals from the purification of toluenediamine in he production of toluenediamine via hydrogenation of dinitrotoluene. *****

K115: Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene. *****

K116: Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine. *****

K117: Wastewater from the reactor vent gas scrubber in the production of ethylene bromide via bromination of ethene. *****

K118: Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene. *****

K123: Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts. *****

K124: Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts. *****

K125: Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts. *****

K126: Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts. *****

K131: Wastewater from the reactor and spent sulfuric acid from the acid dryer in the production of methyl bromide. *****

K132: Spent absorbent and wastewater separator solids from the production of methyl bromide. *****

K136: Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene. *****

K141: Process residues from the recovery of coal tar, including but not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludge from coking operations.) *****

K142: Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.	*****
K143: Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.	*****
K144: Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.	*****
K145: Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.	*****
K147: Tar storage tank residues from coal tar refining.	*****
K148: Residues from coal tar distillation, including, but not limited to, still bottoms.	*****
K149: Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. (This waste does not include still bottoms from the distillation of benzyl chloride.)	*****
K150: Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	*****

K151: Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of waste-waters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. *****

K156: Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.) *****

K157: Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.) *****

K158: Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.) *****

K159: Organics from the treatment of thiocarbamate wastes. *****

K161: Purification solids (including filtration, evaporation, and centrifugation solids), bag house dust, and floor sweepings from the production of dithiocarbamate acids and their salts. (This listing does not include K125 or K126). *****

K169: Crude oil storage tank sediment from petroleum refining operations. *****

K170: Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations. *****

K171: Spent hydrotreating catalyst from petroleum refining operations. (This listing does not include inert support media.) *****

K172: Spent hydrorefining catalyst from petroleum refining operations. (This listing does not include inert support media.) *****

K174: Wastewater treatment sludge from the production of ethylene dichloride or vinyl chloride monomer (including sludges that result from commingled ethylene dichloride or vinyl chloride monomer wastewater and other wastewater), unless the sludges meet the following conditions: (i) they are disposed of in a subtitle C or non-hazardous landfill licensed or permitted by the state or federal government; (ii) they are not otherwise placed on the land prior to final disposal; and (iii) the generator maintains documentation demonstrating that the waste was either disposed of in an on-side landfill or consigned to a transporter or disposal facility that provided a written commitment to dispose of the waste in and off-site landfill. Respondents in any action brought to enforce the requirements of subtitle C must, upon a showing by the government that the respondent managed wastewater treatment sludges from the production of vinyl chloride monomer or ethylene dichloride, demonstrate that they meet the terms of the exclusion set forth above. In doing so, they must provide appropriate documentation (e.g., contracts between the generator and the landfill owner/operator, invoices documenting delivery of waste to landfill, etc.) that the terms of the exclusion were met. *****

K175: Wastewater treatment (T) sludges from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process. *****

K176: Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g. *****

antimony metal or crude antimony oxide).

K177: Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates (e.g. antimony metal or crude antimony oxide.	*****
K178: Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride ilmenite process.	*****

Kepone	143-50-0
Kerosene	8008-20-6
Lactofen	77501-63-4
Lactonitrile	78-97-7
Lasiocarpine	303-34-4
Lead	7439-92-1
Lead acetate	301-04-2
Lead arsenate	7784-40-9
	10102-48-4
Lead arsenate, unspecified	7645-25-2
Lead chloride	7758-95-4
Lead compounds	*****
Lead fluoborate	13814-96-5
Lead fluoride	7783-46-2
Lead iodide	10101-63-0
Lead nitrate	10099-74-8
Lead phosphate	7446-27-7
Lead stearate	7428-48-0
Lead stearate dibasic	52652-59-2
Lead stearate (stearic acid, lead(2+) salt)	1072-35-1
Lead subacetate	1335-32-6
Lead sulfate	7446-14-2
	15739-80-7
Lead sulfide	1314-87-0

Lead thiocyanate	592-87-0
Leptophos	21609-90-5
Lewisite	541-25-3
Lindane (concentrations above 20%)	58-89-9
Linuron	330-55-2
Lithium carbonate	554-13-2
Lithium chromate	14307-35-8
Lithium hydride	7580-67-8
Lithium perchlorate	7791-03-9
Malathion	121-75-5
Maleic acid	110-16-7
Maleic anhydride	108-31-6
Maleic hydrazide	123-33-1
Malononitrile	109-77-3
Maneb	12427-38-2
Manganese	7439-96-5
Manganese compounds	*****
Manganese dimethyldithiocarbamate	15339-36-3
Mecoprop	93-65-2
Melphalan	148-82-3
Mephosfolan	950-10-7
2-Mercaptobenzothiazole	149-30-4
Mercaptodimethur	203-65-7
Mercuric acetate	1600-27-7
Mercuric chloride	7487-94-7
Mercuric cyanide	592-04-1
Mercuric nitrate	10045-94-0
Mercuric oxide	21908-53-2
Mercuric sulfate	7783-35-9
Mercuric thiocyanate	592-85-8
Mercurous nitrate	7782-86-7
	10415-75-5
Mercury	7439-97-6
Mercury compounds	*****
Mercury fulminate	628-86-4
Merphos	150-50-5
Metaphosphoric acid, trisodium salt	7785-84-4

Methacrolein diacetate	10476-95-6
Methacrylic anhydride	760-93-0
Methacryloyl chloride	920-46-7
Methacryloyloxyethyl isocyanate	30674-80-7
Methamidophos	10265-92-6
Metham sodium	137-42-8
Methane*	74-82-8
Methanesulfonyl fluoride	558-25-8
Methanol	67-56-1
Methapyrilene	91-80-5
Methazole	20354-26-1
Methidathion	950-37-8
Methiocarb (concentrations above 2%)	2032-65-7
Methomyl	16752-77-5
Methoxone	94-74-6
Methoxone sodium salt	3653-48-3
Methoxychlor	72-43-5
2-Methoxyethanol	109-86-4
Methoxyethylmercuric acetate	151-38-2
Methyl acrylate	96-33-3
Methylacrylonitrile	126-98-7
Methylamine	74-89-5
Methyl bromide	74-83-9
1-Methylbutadiene	504-60-9
2-Methyl-1-butene*	563-46-2
3-Methyl-1-butene*	563-45-1
Methyl chloride	74-87-3
Methyl 2-chloroacrylate	80-63-7
Methyl chloroformate	79-22-1
3-Methylcholanthrene	56-49-5
5-Methylchrysene	3697-24-3
Methylcyclopentadienylmanganese tricarbonyl	12108-13-3
Methyl demeton (concentrations above 7%)	919-86-8
Methyl demeton methyl	2587-90-8
4-Methyldiphenylmethane-3,4-diisocyanate	75790-84-0
4,4'-Methylenebis(2-chloroaniline)	101-14-4
4,4'-Methylenebis(N,N-dimethyl)benzenamine	101-61-1

1,1-Methylene bis(4-isocyanatocyclohexane)	5124-30-1
Methylenebis(phenylisocyanate)	101-68-8
Methylene bromide	74-95-3
Methylene chloride	75-09-2
4,4'-Methylenedianiline	101-77-9
Methyl ether*	115-10-6
Methyl ethyl ketone	78-93-3
Methyl ethyl ketone peroxide	1338-23-4
3-(1-Methylethyl)phenol methylcarbamate	64-00-6
Methyl formate*	107-31-3
Methyl hydrazine	60-34-4
Methyl iodide	74-88-4
Methyl isobutyl ketone	108-10-1
Methyl isocyanate	624-83-9
Methyl isothiocyanate	556-61-6
Methyl mercaptan	74-93-1
Methylmercuric dicyanamide	502-39-6
Methyl methacrylate	80-62-6
N-Methyl-N'-nitro-N-nitrosoguanidine	70-25-7
N-Methylolacrylamide	924-42-5
Methyl parathion	298-00-0
Methyl phenkapton	3735-23-7
(2-Methylphenyl)thiourea	614-78-8
Methyl phosphonic dichloride	676-97-1
Methylphosphonothioic acid-O-ethyl O-(p-(methylthio)phenyl)ester	2703-13-1
Methylphosphonothioic acid-O-(4-nitrophenyl)-O-phenyl ester	2665-30-7
Methylpropene*	115-11-7
N-Methyl-2-pyrrolidone	872-50-4
Methyl tert-butyl ether	1634-04-4
Methyl thiocyanate	556-64-9
Methylthiouracil	56-04-2
Methyltrichlorosilane	75-79-6
Methyl vinyl ketone	78-94-4
2-Methyl-5-vinylpyridine	140-76-1
Metiram	9006-42-2
Metolcarb	1129-41-5

Metribuzin	21087-64-9
Mevinphos	7786-34-7
Mexacarbate (concentrations above 2%)	315-18-4
Michler's ketone	90-94-8
Mirex	2385-85-5
Mitomycin C	50-07-7
Molinate	2212-67-1
Molybdenum trioxide	1313-27-5
Monocrotophos	6923-22-4
Monuron	150-68-5
Motor oil	*****
Muscimol	2763-96-4
Mustard gas	505-60-2
Myclobutanil	88671-89-0
Nabam	142-59-6
Naled	300-76-5
Naphthalene	91-20-3
1,5-Naphthalene diisocyanate	3173-72-6
1,4-Naphthalenedione	130-15-4
Naphthenic acid	1338-24-5
1-Naphthylamine	134-32-7
2-Naphthylamine	91-59-8
Nickel	7440-02-0
Nickel ammonium sulfate	15699-18-0
Nickel carbonyl	13463-39-3
Nickel chloride	37211-05-5
Nickel(II) chloride	7718-54-9
Nickel compounds	*****
Nickel cyanide	557-19-7
Nickel hydroxide	12054-48-7
Nickel nitrate	14216-75-2
Nickel sulfate	7786-81-4
Nicotine	54-11-5
Nicotine salts	*****
Nicotine sulfate	65-30-5
Nitrapyrin	1929-82-4
Nitrate compounds (water dissociable)	*****

Nitric acid	7697-37-2
Nitric oxide	10102-43-9
Nitrilotriacetic acid	139-13-9
p-Nitroaniline	100-01-6
5-Nitro-o-anisidine	99-59-2
Nitrobenzene	98-95-3
4-Nitrobiphenyl	92-93-3
Nitrocyclohexane	1122-60-7
Nitrofen	1836-75-5
Nitrogen dioxide	10102-44-0
Nitrogen mustard	51-75-2
Nitrogen tetroxide	10544-72-6
Nitroglycerin	55-63-0
Nitrophenol (mixed isomers)	25154-55-6
m-Nitrophenol	554-84-7
o-Nitrophenol	88-75-5
p-Nitrophenol	100-02-7
2-Nitropropane	79-46-9
1-Nitropyrene	5522-43-0
4-Nitropyridine 1-oxide	1124-33-0
Nitrosamines	*****
N-Nitrosodi-n-butylamine	924-16-3
N-Nitrosodiethanolamine	1116-54-7
N-Nitrosodiethylamine	55-18-5
N-Nitrosodimethylamine	62-75-9
p-Nitrosodimethylaniline	138-89-6
N-Nitrosodiphenylamine	86-30-6
p-Nitrosodiphenylamine	156-10-5
N-Nitrosodi-n-propylamine	621-64-7
N-Nitroso-N-ethylurea	759-73-9
N-Nitroso-N-methylurea	684-93-5
N-Nitroso-N-methylurethane	615-53-2
N-Nitrosomethylvinylamine	4549-40-0
N-Nitrosomorpholine	59-89-2
N-Nitrosonornicotine	16543-55-8
N-Nitrosopiperidine	100-75-4
N-Nitrosopyrrolidine	930-55-2

Nitrotoluene (mixed isomers)	1321-12-6
m-Nitrotoluene	99-08-1
o-Nitrotoluene	88-72-2
p-Nitrotoluene	99-99-0
5-Nitro-o-toluidine	99-55-8
Norbormide	991-42-4
Norflurazon	27314-13-2
Octachloronaphthalene	2234-13-1
Octachlorostyrene	29082-74-4
Octamethyl pyrophosphoramide	152-16-9
Organorhodium Complex (PMN-82-147)	*****
Oryzalin	19044-88-3
Osmium tetroxide	20816-12-0
Ouabain	630-60-4
Oxamyl	23135-22-0
10,10'-Oxybisphenoxarsine	58-36-6
Oxydemeton methyl	301-12-2
Oxydiazon	19666-30-9
Oxydisulfoton	2497-07-6
Oxyfluorfen	42874-03-3
Ozone	10028-15-6
Paraformaldehyde	30525-89-4
Paraldehyde	123-63-7
Paraquat	1910-42-5
Paraquat methosulfate	2074-50-2
Parathion	56-38-2
Pebulate	1114-71-2
Pendimethalin	40487-42-1
Pentaborane	19624-22-7
Pentachlorobenzene	608-93-5
Pentachloroethane	76-01-7
Pentachloronitrobenzene	82-68-8
Pentachlorophenol (concentrations above 5%)	87-86-5
Pentadecylamine	2570-26-5
Pentane*	109-66-0
iso-Pentane*	78-78-4
Pentasodium triphosphate	7758-29-4

1-Pentene*	109-67-1
2-Pentene, (Z)-*	627-20-3
2-Pentene, (E)-*	646-04-8
Pentobarbital sodium	57-33-0
Perchlorate ion	14797-73-0
Perchloromethyl mercaptan	594-72-3
Permethrin	52645-53-1
Peroxyacetic acid	79-21-0
Petroleum oil/motor oil	*****
Phenacetin	62-44-2
Phenanthrene	85-01-8
Phenol	108-95-2
Phenothrin	26002-80-2
p-Phenylenediamine	106-50-3
1,2-Phenylenediamine	95-54-5
1,3-Phenylenediamine	108-45-2
1,2-Phenylenediamine dihydrochloride	615-28-1
1,4-Phenylenediamine dihydrochloride	624-18-0
1,3-Phenylene diisocyanate	123-61-5
1,4-Phenylene diisocyanate	104-49-4
Phenylhydrazine hydrochloride	59-88-1
Phenylmercuric acetate	62-38-4
2-Phenylphenol	90-43-7
Phenylsilatrane	2097-19-0
Phenylthiourea	103-85-5
Phenytoin	57-41-0
Phorate	298-02-2
Phosacetim	4104-14-7
Phosfolan	947-02-4
Phosgene	75-44-5
Phosphamidon	13171-21-6
Phosphine	7803-51-2
Phosphoric acid	7664-38-2
Phosphoric acid, dimethyl 4-(methylthio) phenyl ester	3254-63-5
Phosphoric acid, disodium salt, dodecahydrate	10039-32-4
Phosphoric acid, disodium salt, hydrate	10140-65-5
Phosphoric acid, trisodium salt, decahydrate	10361-89-4

Phosphorus	7723-14-0
Phosphorus oxychloride	10025-87-3
Phosphorus pentachloride	10026-13-8
Phosphorus pentasulfide	1314-80-3
Phosphorus trichloride	7719-12-2
Phthalate esters	*****
Phthalic anhydride	85-44-9
Physostigmine	57-47-6
Physostigmine salicylate (1:1)	57-64-7
Picloram	1918-02-1
Picric acid, dry or wetted with less than 30% water by mass	88-89-1
2-Picoline	109-06-8
Picrotoxin	124-87-8
Piperidine	110-89-4
Piperonyl butoxide	51-03-6
Pirimifos-ethyl (concentrations above 20%)	23505-41-1
Pirimiphos methyl	29232-93-7
Polybrominated biphenyls	*****
Polychlorinated alkanes (C10 to C13)	*****
Polychlorinated biphenyls (PCBs)	1336-36-3
Polychlorinated diphenyl ethers	*****
Polycyclical Organic Matter with more than one benzene ring and a boiling point greater than or equal to 100[degrees]C	*****
Polymeric diphenylmethane diisocyanate	9016-87-9
Polynuclear aromatic hydrocarbons	*****
Potassium arsenate	7784-41-0
Potassium arsenite	10124-50-2
Potassium bichromate	7778-50-9
Potassium bromate	7758-01-2
Potassium chromate	7789-00-6
Potassium cyanide	151-50-8
Potassium dimethyldithiocarbamate	128-03-0
Potassium hydroxide	1310-58-3
Potassium N-methyldithiocarbamte	137-41-7
Potassium perchlorate	7778-74-7
Potassium permanganate	7722-64-7
Potassium silver cyanide	506-61-6

Profenofos	41198-08-7
Promecarb	2631-37-0
Prometryn	7287-19-6
Pronamide	23950-58-5
Propachlor	1918-16-7
Propadiene*	463-49-0
2-Propanamine	75-31-0
1-Propanamine	107-10-8
Propane*	74-98-6
1,3-Propane sultone	1120-71-4
Propanil	709-98-8
Propargite	2312-35-8
Propargyl alcohol	107-19-7
Propargyl bromide	106-96-7
Propetamphos	31218-83-4
Propham	122-49-9
Propiconazole	60207-90-1
beta-Propiolactone	57-57-8
Propionaldehyde	123-38-6
Propionic acid	79-09-4
Propionic anhydride	123-62-6
Propionitrile	107-12-0
Propoxur (concentrations above 2%)	114-26-1
Propyl chloroformate	109-61-5
Propylene*	115-07-1
Propyleneimine	75-55-8
Propylene oxide	75-56-9
Propyne*	74-99-7
Prosulfocarb	52888-80-9
Prothoate	2275-18-5
Pyrene	129-00-0
Pyrethrin I	121-21-1
Pyrethrin II	121-29-9
Pyrethrum	8003-34-7
Pyridine	110-86-1
Pyriminil	53558-25-1
Quinoline	91-22-5

Quinone	106-51-4
Quizalofop-ethyl	76578-14-8
Radionuclides	*****
Reserpine	50-55-5
Resmethrin	10453-86-8
Resorcinol	108-46-3
Saccharin	81-07-2
Saccharin salts	*****
Safrole	94-59-7
Salcomine	14167-18-1
Sarin	107-44-8
Selenium	7782-49-2
Selenium compounds	*****
Selenium dioxide	7446-08-4
Selenium oxychloride	7791-23-3
Selenium sulfide	7488-56-4
Selenous acid	7783-00-8
Semicarbazide hydrochloride	563-41-7
Sethoxydim	74051-80-2
Silane*	7803-62-5
Silver	7440-22-4
Silver compounds	*****
Silver cyanide	506-64-9
Silver nitrate	7761-88-8
Silvex	93-72-1
Simazine	122-34-9
Sodium	7440-23-5
Sodium arsenate	7631-89-2
Sodium arsenite	7784-46-5
Sodium azide (concentrations above 0.5%)	26628-22-8
Sodium bichromate	10588-01-9
Sodium bifluoride	1333-83-1
Sodium bisulfite	7631-90-5
Sodium cacodylate	124-65-2
Sodium chromate	7775-11-3
Sodium cyanide	143-33-9
Sodium dicamba	1982-69-0

Sodium dimethyldithiocarbamate	128-04-1
Sodium dodecylbenzenesulfonate	25155-30-0
Sodium fluoride	7681-49-4
Sodium fluoroacetate	62-74-8
Sodium hexametaphosphate	10124-56-8
Sodium hydrosulfide	16721-80-5
Sodium hydroxide	1310-73-2
Sodium hypochlorite	7681-52-9
Sodium hypochlorite, pentahydrate	10022-70-5
Sodium methylate	124-41-4
Sodium nitrite	7632-00-0
Sodium pentachlorphenate	131-52-2
Sodium perchlorate	7601-89-0
Sodium o-phenylphenoxide	132-27-4
Sodium phosphate dibasic	7558-79-4
	10028-24-7
Sodium selenate	13410-01-0
Sodium selenite	7782-82-3
	10102-18-8
Sodium tellurite	10102-20-2
Streptozotocin	18883-66-4
Strobane	8001-50-1
Strontium chromate	7789-06-2
Strychnine	57-24-9
Strychnine salts	*****
Strychnine, sulfate	60-41-3
Styrene	100-42-5
Styrene oxide	96-09-3
Sulfotep	3689-24-5
Sulfur chloride	12771-08-3
Sulfur dioxide	7446-09-5
Sulfuric acid	7664-93-9
	8014-95-7
Sulfur tetrafluoride	7783-60-0
Sulfur trioxide	7446-11-9
Sulfuryl fluoride	2699-79-8
Sulprofos	35400-43-2

2,4,5-T amines	1319-72-8
	2008-46-0
	3813-14-7
	6369-96-6
	6369-97-7
2,4,5-T sodium salt	13560-99-1
Tabun	77-81-6
Tebuthiuron	34014-18-1
Tellurium hexafluoride	7783-80-4
Temephos	3383-96-8
Terbacil	902-51-2
Terbufos	13071-79-9
Tetrabromobisphenol A	79-94-7
1,2,4,5-Tetrachlorobenzene	95-94-3
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1746-01-6
1,1,1,2-Tetrachloroethane	630-20-6
1,1,2,2-Tetrachloroethane	79-34-5
Tetrachloroethylene	127-18-4
1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)*	354-11-0
1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)*	354-14-3
2,3,4,6-Tetrachlorophenol	58-90-2
Tetrachlorvinphos	961-11-5
Tetracycline hydrochloride	64-75-5
Tetraethyllead	78-00-2
Tetraethylpyrophosphate (TEPP)	107-49-3
Tetraethyltin	597-64-8
Tetrafluoroethylene*	116-14-3
Tetrahydrofuran	109-99-9
Tetramethrin	7696-12-0
Tetramethyllead	75-74-1
Tetramethylsilane*	75-76-3
Tetranitromethane	509-14-8
Thallic oxide	1314-32-5
Thallium	7440-28-0
Thallium(I) acetate	563-68-8
Thallium compounds	*****
Thallium(I) nitrate	10102-45-1

Thallium(I) selenide	12039-52-0
Thallium sulfate	10031-59-1
Thallous carbonate	6533-73-9
Thallous chloride	7791-12-0
Thallous malonate	2757-18-8
Thallous sulfate	7446-18-6
Thiabendazole	148-79-8
Thioacetamide	62-55-5
Thiobencarb	28249-77-6
2,2-Thiobis(4-chloro-6-methyl)phenol	4418-66-0
Thiocarbazide	2231-57-4
4,4-Thiodianiline	139-65-1
Thiodicarb	59669-26-0
Thiofanox	39196-18-4
Thionazin	297-97-2
Thiophanate ethyl	23564-06-9
Thiophanate methyl	23564-05-8
Thiosemicarbazide	79-19-6
Thiourea	62-56-6
Thiram	137-26-8
Thorium dioxide	1314-20-1
Titanium tetrachloride	7550-45-0
o-Tolidine dihydrochloride	612-82-2
o-Tolidine dihydrofluoride	41766-75-0
Toluene	108-88-3
Toluene diisocyanate (mixed isomers)	26471-62-5
Toluene-2,4-diisocyanate	584-84-9
Toluene-2,6-diisocyanate	91-08-7
o-Toluidine	95-53-4
p-Toluidine	106-49-0
o-Toluidine hydrochloride	636-21-5
Toxaphene	8001-35-2
Triadimefon	43121-43-3
Triallate	2303-17-5
Triamiphos	1031-47-6
Triaziquone	68-76-8
Triazofos	24017-47-8

Tribasic sodium phosphate dodecahydrate	10101-89-0
Tribenuron methyl	101200-48-0
Tributyltin fluoride	1983-10-4
Tributyltin methacrylate	2155-70-6
S,S,S-Tributyltrithiophosphate	78-48-8
Trichlorfon (concentrations above 15%)	52-68-6
Trichloroacetaldehyde	75-87-6
Trichloroacetyl chloride	76-02-8
1,2,4-Trichlorobenzene	120-82-1
Trichloro(chloromethyl)silane	1558-25-4
Trichloro(dichlorophenyl)silane	27137-85-5
1,1,1-Trichloroethane	71-55-6
1,1,2-Trichloroethane	79-00-5
Trichloroethylene	79-01-6
Trichloroethylsilane	115-21-9
Trichlorofluoromethane (CFC-11)*	76-69-4
Trichlorofluoromethane (CFC-11)	75-69-4
Trichloronate	327-98-0
Trichlorophenol	25167-82-2
2,3,4-Trichlorophenol	15950-66-0
2,3,5-Trichlorophenol	933-78-8
2,3,6-Trichlorophenol	933-75-5
2,4,5-Trichlorophenol	95-95-4
2,4,6-Trichlorophenol	88-06-2
3,4,5-Trichlorophenol	609-19-8
2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)	93-76-5
2,4,5-Trichlorophenoxyacetic acid butyl ester	93-79-8
2,4,5-Trichlorophenoxyacetic acid 2-butyoxyethyl ester	2545-59-7
2,4,5-Trichlorophenoxyacetic acid 2-ethylhexyl ester	1928-47-8
2,4,5-Trichlorophenoxyacetic acid isooctyl ester	25168-15-4
2,4,5-Trichlorophenoxyacetic acid 1-methyl propyl ester	61792-07-2
2-(2,4,5-Trichlorophenoxyl)propanoic acid isooctyl ester	32534-95-5
Trichlorophenylsilane	98-13-5
1,2,3-Trichloropropane	96-18-4
Trichlorosilane	10025-78-2
Triclopyr triethylammonium salt	57213-69-1
Triethanolamine dodecylbenzene sulfonate	27323-41-7

Triethoxysilane	998-30-1
Triethylamine	121-44-8
Trifluorochloethylene	79-38-9
3-(Trifluoromethyl)benzenamine	98-16-8
Trifluralin	1582-09-8
Triforine	26644-46-2
Trimethylamine	75-50-3
2,4,6-Trimethylanaline	88-05-1
1,2,4-Trimethylbenzene	95-63-6
Trimethylchlorosilane	75-77-4
2,2,4-Trimethylhexamethylene diisocyanate	16938-22-0
2,4,4-Trimethylhexamethylene diisocyanate	15646-96-5
Trimethylolpropane phosphite	824-11-3
2,2,4-Trimethylpentane	540-84-1
2,3,5-Trimethylphenyl methylcarbamate	2655-15-4
Trimethyltin chloride	1066-45-1
Trinitroanisole	606-35-9
1,3,5-Trinitrobenzene	99-35-4
Triphenyltin chloride	639-58-7
Triphenyltin hydroxide (conc. above 10%)	76-87-9
Tris(2-chloroethyl)amine	555-77-1
Tris(2,3-dibromopropyl) phosphate	126-72-7
Trisodium phosphate	7601-54-9
Trypan blue	72-57-1
Uracil mustard	66-75-1
Uranyl acetate	541-09-3
Uranyl nitrate	10102-06-4
	36478-76-9
Urethane	51-79-6
Used Petroleum oil	*****
Valinomycin	2001-95-8
Vanadium (except when contained in an alloy)	7440-62-2
Vanadium compounds	*****
Vanadium pentoxide	1314-62-1
Vanadyl sulfate	27774-13-6
Vinclozolin	50471-44-8
Vinyl acetate	108-05-4

Vinyl acetylene*	689-97-4
Vinyl bromide	593-60-2
Vinyl chloride*	75-01-4
Vinyl ethyl ether*	109-92-2
Vinyl fluoride*	75-02-5
Vinylidene chloride*	75-35-4
Vinylidene fluoride*	75-38-7
Vinyl methyl ether*	107-25-5
Warfarin (concentrations above 3%)	81-81-2
Warfarin salts (concentrations above 3%)	*****
Warfarin sodium	129-06-6
Xylene (mixed isomers)	1330-20-7
m-Xylene	108-38-3
o-Xylene	95-47-6
p-Xylene	106-42-3
Xylenol	1300-71-6
2,6-Xylidine	87-62-7
Xylylene dichloride	28347-13-9
Zinc (fume or dust)	7440-66-6
Zinc acetate	557-34-6
Zinc ammonium chloride (Zn.Cl4.2H4-N)	14639-97-5
Zinc ammonium chloride (Zn.Cl5.3H4-N)	14639-98-6
Zinc ammonium chloride	52628-25-8
Zinc borate	1332-07-6
Zinc bromide	7699-45-8
Zinc carbonate	3486-35-9
Zinc chloride	7646-85-7
Zinc compounds	*****
Zinc cyanide	557-21-1
Zinc fluoride	7783-49-5
Zinc formate	557-41-5
Zinc hydrosulfite	7779-86-4
Zinc nitrate	7779-88-6
Zinc phenolsulfonate	127-82-2
Zinc phosphide (concentrations greater than 10%)	1314-84-7
Zinc silicofluoride	16871-71-9
Zinc sulfate	7733-02-0

Zineb	12122-67-7
Ziram	137-30-4
Zirconium nitrate	13746-89-9
Zirconium potassium fluoride	16923-95-8
Zirconium sulfate	14644-61-2
Zirconium tetrachloride	10026-11-6

* In accordance with 7:1E-1.7(b)2, this substance is not considered a hazardous substance for purposes of this chapter.

LIST OF HAZARDOUS SUBSTANCES
(Listed by CAS Number)

CAS Number	Name
*****	Antimony compounds
*****	Arsenic compounds
*****	Barium compounds (except Barium sulfate)
*****	Beryllium compounds
*****	Cadmium compounds
*****	Chlordane metabolites
*****	Chlorinated benzenes
*****	Chlorinated ethanes
*****	Chlorinated naphthalene
*****	Chlorinated phenols
*****	Chloroalkyl ethers
*****	Chlorophenols
*****	Chromium compounds
*****	Cobalt compounds

*****	Coke oven emissions
*****	Copper compounds
*****	Cyanide compounds
*****	DDT metabolites
*****	Dichloroethylenes (1,1-, and 1,2-Dichloroethylene)
*****	Dioxin and dioxin-like compounds
*****	Endosulfan metabolites
*****	Endrin metabolites
*****	Ethylenebisdithiocarbamic acid, salts and esters
*****	F001: The following spent halogenated solvents used in degreasing; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the halogenated solvents listed below or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures: (a) tetrachloro-ethylene; (b) trichloroethylene; (c) methylene chloride; (d) 1,1,1-trichloroethane; (e) carbon tetrachloride; (f) chlorinated fluorocarbons
*****	F002: The following spent halogenated solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the halogenated solvents listed below or those solvents listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures: (a) tetrachloroethylene; (b) methylene chloride; (c) trichloroethylene; (d) 1,1,1-trichloroethane; (e) chlorobenzene; (f) 1,1,2-trichloro-1,2,2-trifluoroethane; (g) o-dichlorobenzene; (h) trichlorofluoromethane; (i) 1,1,2-trichloroethane
*****	F003: The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents: (a) xylene; (b) acetone; (c) ethyl acetate; (d) ethylbenzene; (e) ethyl ether; (f) methyl isobutyl ketone; (g) n-butyl alcohol; (h) cyclohexanone; (i) methanol

***** F004: The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents: (a) cresols/cresylic acid; (b) nitrobenzene

***** F005: The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents: (a) toluene; (b) methyl ethyl ketone; (c) carbon disulfide; (d) isobutanol; (e) pyridine

***** F006: Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.

***** F007: Spent cyanide plating bath solutions from electroplating operations.

***** F008: Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.

***** F009: Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.

***** F010: Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.

***** F011: Spent cyanide solution from salt bath pot cleaning from metal heat treating operations.

***** F012: Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process.

***** F019: Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.

***** F020: Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or

manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.)

***** F021: Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives.

***** F022: Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.

***** F023: Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.)

***** F024: Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor cleanout wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewater, wastewater treatment sludges, spent catalysts, and wastes listed in 40 CFR 261.31 and 261.32.)

***** F025: Condensed light ends, spent filters and filter aids,

and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.

***** F026: Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.

***** F027: Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.)

***** F028: Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027.

***** F032: Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with 40 CFR 261.35 or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e. F034 or F035), and where the generator does not resume or initiate the use of chlorophenolic formulations). This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.

***** F034: Wastewaters (except those that have not come into contact with process contaminants), process residuals,

	preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
*****	F035: Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
*****	F037: Petroleum refinery primary oil/water/solids separation sludge - Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in 40 CFR § 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing. This listing does not include residuals generated from processing or recycling oil-bearing hazardous secondary materials excluded under 40 CFR 261.4(a)(12)(i), if those residuals are to be disposed of.
*****	F038: Petroleum refinery secondary (emulsified)

oil/water/solids separation sludge - Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in dissolved air floatation (DAF) units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges and floats generated in aggressive biological treatment units as defined in 40 CFR § 261.31(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and F037, K048, and K051 wastes are not included in this listing.

***** F039: Leachate (liquids that have percolated through land disposed waste) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of 40 CFR part 261. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other hazardous wastes reatins its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.)

***** Fine mineral fibers of average diameter 1 micrometer or less

***** Glycol ethers

***** Haloethers

***** Halomethanes

***** Heptachlor metabolites

***** K001: Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.

***** K002: Wastewater treatment sludge from the production of chrome yellow and orange pigments.

***** K003: Wastewater treatment sludge from the production of molybdate orange pigments.

***** K004: Wastewater treatment sludge from the production of zinc yellow pigments.

***** K005: Wastewater treatment sludge from the production of chrome green pigments.

***** K006: Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).

***** K007: Wastewater treatment sludge from the production of iron blue pigments.

***** K008: Oven residue from the production of chrome oxide green pigments.

***** K009: Distillation bottoms from the production of acetaldehyde from ethylene.

***** K010: Distillation side cuts from the production of acetaldehyde from ethylene.

***** K011: Bottom stream from the wastewater stripper in the production of acrylonitrile.

***** K013: Bottom stream from the acetonitrile column in the production of acrylonitrile.

***** K014: Bottoms from the acetonitrile purification column in the production of acrylonitrile.

***** K015: Still bottoms from the distillation of benzyl chloride.

***** K016: Heavy ends or distillation residues from the production of carbon tetrachloride.

***** K017: Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.

***** K018: Heavy ends from the fractionation column in ethyl chloride production.

***** K019: Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.

***** K020: Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.

***** K021: Aqueous spent antimony catalyst waste from fluoromethanes production.

***** K022: Distillation bottom tars from the production of

phenol/acetone from cumene.

***** K023: Distillation light ends from the production of phthalic anhydride from naphthalene.

***** K024: Distillation bottoms from the production of phthalic anhydride from naphthalene.

***** K025: Distillation bottoms from the production of nitrobenzene by the nitration of benzene.

***** K026: Stripping still tails from the production of methyl ethyl pyridines.

***** K027: Centrifuge and distillation residues from toluene diisocyanate production.

***** K028: Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.

***** K029: Waste from the product steam stripper in the production of 1,1,1-trichloroethane.

***** K030: Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.

***** K031: By-product salts generated in the production of MSMA and cacodylic acid.

***** K032: Wastewater treatment sludge from the production of chlordane.

***** K033: Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.

***** K034: Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.

***** K035: Wastewater treatment sludges generated in the production of creosote.

***** K036: Still bottoms from toluene reclamation distillation in the production of disulfoton.

***** K037: Wastewater treatment sludges from the production of disulfoton.

***** K038: Wastewater from the washing and stripping of phorate production.

***** K039: Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.

***** K040: Wastewater treatment sludge from the production of phorate.

***** K041: Wastewater treatment sludge from the production of toxaphene.

***** K042: Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.

***** K043: 2,6-Dichlorophenol waste from the production of 2,4-D.

***** K044: Wastewater treatment sludges from the manufacturing and processing of explosives.

***** K045: Spent carbon from the treatment of wastewater containing explosives.

***** K046: Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.

***** K047: Pink/red water from TNT operations.

***** K048: Dissolved air flotation (DAF) float from the petroleum refining industry.

***** K049: Slop oil emulsion solids from the petroleum refining industry.

***** K050: Heat exchanger bundle cleaning sludge from the petroleum refining industry.

***** K051: API separator sludge from the petroleum refining industry.

***** K052: Tank bottoms (leaded) from the petroleum refining industry.

***** K060: Ammonia still lime sludge from coking operations.

***** K061: Emission control dust/sludge from the primary production of steel in electric furnaces.

***** K062: Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332, NAICS Codes 3311, 3312 and 33151).

***** K064: Acid plant blowdown slurry/sludge resulting from thickening of the blowdown slurry from primary copper production.

***** K065: Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.

***** K066: Sludge from treatment of process wastewater and/or

acid plant blowdown from primary zinc production.

***** K069: Emission control dust/sludge from secondary lead smelting.

***** K071: Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.

***** K073: Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.

***** K083: Distillation bottoms from aniline production.

***** K084: Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.

***** K085: Distillation or fractionation column bottoms from the production of chlorobenzenes.

***** K086: Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.

***** K087: Decanter tank tar sludge from coking operations.

***** K088: Spent potliners from primary aluminum reduction.

***** K090: Emission control dust or sludge from ferrochromiumsilicon production.

***** K091: Emission control dust or sludge from ferrochromium production.

***** K093: Distillation light ends from the production of phthalic anhydride from ortho-xylene.

***** K094: Distillation bottoms from the production of phthalic anhydride from ortho-xylene.

***** K095: Distillation bottoms from the production of 1,1,1-trichloroethane.

***** K096: Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.

***** K097: Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.

***** K098: Untreated process wastewater from the production

of toxaphene.

***** K099: Untreated wastewater from the production of 2,4-D.

***** K100: Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.

***** K101: Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.

***** K102: Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.

***** K103: Process residues from aniline extraction from the production of aniline.

***** K104: Combined wastewater streams generated from nitrobenzene/aniline production.

***** K105: Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.

***** K106: Wastewater treatment sludge from the mercury cell process in chlorine production.

***** K107: Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazines.

***** K108: Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.

***** K109: Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.

***** K110: Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.

***** K111: Product washwaters from the production of dinitrotoluene via nitration of toluene.

***** K112: Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.

***** K113: Condensed liquid light ends from the purification

of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.

***** K114: Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.

***** K115: Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.

***** K116: Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.

***** K117: Wastewater from the reactor vent gas scrubber in the production of ethylene bromide via bromination of ethene.

***** K118: Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.

***** K123: Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenbisdithiocarbamic acid and its salts.

***** K124: Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.

***** K125: Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.

***** K126: Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.

***** K131: Wastewater from the reactor and spent sulfuric acid from the acid dryer in the production of methyl bromide.

***** K132: Spent absorbent and wastewater separator solids from the production of methyl bromide.

***** K136: Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.

***** K141: Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues

from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludge from coking operations.)

***** K142: Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.

***** K143: Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.

***** K144: Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.

***** K145: Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.

***** K147: Tar storage tank residues from coal tar refining.

***** K148: Residues from coal tar distillation, including, but not limited to, still bottoms.

***** K149: Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. (This waste does not include still bottoms from the distillation of benzyl chloride.)

***** K150: Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.

***** K151: Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of waste-waters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures

of these functional groups.

***** K156: Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)

***** K157: Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)

***** K158: Bag house duts and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)

***** K159: Organics from the treatment of thiocarbamate wastes.

***** K161: Purification solids (including filtration, evaporation, and centrifugation solids), bag house dust, and floor sweepings from the production of dithiocarbamate acids and their salts (This listing does not include K125 or K126).

***** K169: Crude oil storage tank sediment from petroleum refining operations.

***** K170: Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.

***** K171: Spent hydrotreating catalyst from petroleum refining operations. (This listing does not include inert support media.)

***** K172: Spent hydrorefining catalyst from petroleum refining operations. (This listing does not include inert support media.)

***** K174: Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (including sludges that result from commingled ethylene dichloride or vinyl chloride monomer wastewater and other wastewater), unless the sludges meet the following

conditions: (i) they are disposed of in a subtitle C or non-hazardous landfill licensed or permitted by the state or federal government; (ii) they are not otherwise placed on the land prior to final disposal; and (iii) the generator maintains documentation demonstrating that the waste was either disposed of in an on-site landfill or consigned to a transporter or disposal facility that provided a written commitment to dispose of the waste in an off-site landfill. Respondents in any action brought to enforce the requirements of subtitle C must, upon a showing by the government that the respondent managed wastewater treatment sludges from the production of vinyl chloride monomer or ethylene dichloride, demonstrate that they meet the terms of the exclusion set forth above. In doing so, they must provide appropriate documentation (e.g., contracts between the generator and the landfill owner/operator, invoices documenting delivery of waste to landfill, etc.) that the terms of the exclusion were met.

***** K175: Wastewater treatment (T) sludges from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process.

***** K176: Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g. antimony metal or crude antimony oxide).

***** K177: Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates (e.g. antimony metal or crude antimony oxide.

***** K178: Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride ilmenite process.

***** Lead compounds

*****	Manganese compounds
*****	Mercury compounds
*****	Motor oil
*****	Nickel compounds
*****	Nicotine salts
*****	Nitrate compounds (water dissociable)
*****	Nitrosamines
*****	Organorhodium Complex (PMN-82-147)
*****	Petroleum oil/motor oil
*****	Phthalate esters
*****	Polybrominated biphenyls
*****	Polychlorinated alkanes (C10 to C13)
*****	Polychlorinated diphenyl ethers
*****	Polycyclic Organic Matter with more than one benzene ring and a boiling point greater than or equal to 100[degrees]C
*****	Polynuclear aromatic hydrocarbons
*****	Radionuclides
*****	Saccharin salts
*****	Selenium compounds
*****	Silver compounds
*****	Strychnine salts
*****	Thallium compounds
*****	Used Petroleum oil
*****	Vanadium compounds
*****	Warfarin salts (concentrations above 3%)
*****	Zinc compounds
50-00-0	Formaldehyde
50-07-7	Mitomycin C
50-14-6	Ergocalciferol
50-18-0	Cyclophosphamide
50-29-3	Dichlorodiphenyltrichloroethane (DDT)
50-32-8	Benzopyrene
50-55-5	Reserpine
51-03-6	Piperonyl butoxide
51-21-8	Fluorouracil
51-28-5	2,4-Dinitrophenol

51-43-4	Epinephrine
51-75-2	Nitrogen mustard
51-79-6	Urethane
51-83-2	Carbachol chloride
52-68-6	Trichlorfon (concentrations above 15%)
52-85-7	Famphur
53-70-3	Dibenzanthracene
53-96-3	2-Acetylaminofluorene
54-11-5	Nicotine
54-62-6	Aminopterin
55-18-5	N-Nitrosodiethylamine
55-21-0	Benzamide
55-38-9	Fenthion (conc. above 0.5%)
55-63-0	Nitroglycerin
55-91-4	Isofluorphate
56-04-2	Methylthiouracil
56-23-5	Carbon tetrachloride
56-25-7	Cantharidin
56-35-9	Bis(tributyltin) oxide
56-38-2	Parathion
56-49-5	3-Methylcholanthrene
56-53-1	Diethylstilbestrol
56-55-3	Benzanthracene
56-72-4	Coumaphos (concentrations above 5%)
57-12-5	Cyanide
57-14-7	1,1-Dimethylhydrazine
57-24-9	Strychnine
57-33-0	Pentobarbital sodium
57-41-0	Phenytoin
57-47-6	Physostigmine
57-57-8	beta-Propiolactone
57-64-7	Physostigmine salicylate (1:1)
57-74-9	Chlordane
57-97-6	7,12-Dimethylbenzanthracene
58-36-6	10,10,-Oxybisphenoxarsine
58-89-9	Lindane (concentrations above 20%)
58-90-2	2,3,4,6-Tetrachlorophenol

59-50-7	4-Chloro-m-cresol
59-88-1	Phenylhydrazine hydrochloride
59-89-2	N-Nitrosomorpholine
60-00-4	Ethylenediamine-tetraacetic acid (EDTA)
60-09-3	4-Aminoazobenzene
60-11-7	4-Dimethylaminoazobenzene
60-29-7	Ethyl ether*
60-34-4	Methyl hydrazine
60-35-5	Acetamide
60-41-3	Strychnine, sulfate
60-51-5	Dimethoate (concentrations above 25%)
60-57-1	Dieldrin
61-82-5	Amitrole
62-38-4	Phenylmercuric acetate
62-44-2	Phenacetin
62-50-0	Ethyl methanesulfonate
62-53-3	Aniline (and salts)
62-55-5	Thioacetamide
62-56-6	Thiourea
62-73-7	Dichlorvos (concentrations above 3%)
62-74-8	Sodium fluoroacetate
62-75-9	N-Nitrosodimethylamine
63-25-2	Carbaryl
64-00-6	3-(1-Methylethyl)phenol methylcarbamate
64-18-6	Formic acid
64-19-7	Acetic acid
64-67-5	Diethyl sulfate
64-75-5	Tetracycline hydrochloride
64-86-8	Colchicine
65-30-5	Nicotine sulfate
65-85-0	Benzoic acid
66-75-1	Uracil mustard
66-81-9	Cycloheximide
67-56-1	Methanol
67-63-0	Isopropyl alcohol
67-64-1	Acetone
67-66-3	Chloroform

67-72-1	Hexachloroethane
68-12-2	N,N-Dimethylformamide
68-76-8	Triaziquone
70-25-7	N-Methyl-N,-nitro-N-nitrosoguanidine
70-30-4	Hexachlorophene
70-69-9	p-Aminopropiophenone
71-36-3	n-Butyl alcohol
71-43-2	Benzene
71-55-6	1,1,1-Trichloroethane
71-63-6	Digitoxin
72-20-8	Endrin
72-43-5	Methoxychlor
72-54-8	Dichlorodiphenyldichloroethane (DDD)
72-55-9	1,1-Dichloro-2,2-bis(p-chlorophenyl)ethylene (DDE)
72-57-1	Trypan blue
74-45-6	Chlorodifluoromethane (HCFC-22)*
74-82-8	Methane*
74-83-9	Methyl bromide
74-84-0	Ethane*
74-85-1	Ethylene*
74-86-2	Acetylene*
74-87-3	Methyl chloride
74-88-4	Methyl iodide
74-89-5	Methylamine
74-90-8	Hydrogen cyanide
74-93-1	Methyl mercaptan
74-95-3	Methylene bromide
74-98-6	Propane*
74-99-7	Propyne*
75-00-3	Chloroethane
75-01-4	Vinyl chloride*
75-02-5	Vinyl fluoride*
75-04-7	Ethylamine
75-05-8	Acetonitrile
75-07-0	Acetaldehyde
75-08-1	Ethyl mercaptan
75-09-2	Methylene chloride

75-15-0	Carbon disulfide
75-19-4	Cyclopropane*
75-20-7	Calcium carbide
75-21-8	Ethylene oxide
75-25-2	Bromoform
75-27-4	Dichlorobromomethane
75-28-5	iso-Butane*
75-29-6	Isopropyl chloride*
75-31-0	2-Propanamine
75-34-3	1,1-Dichloroethane
75-35-4	Vinylidene chloride*
75-36-5	Acetyl chloride
75-37-6	Difluoroethane
75-38-7	Vinylidene fluoride*
75-43-4	Dichlorofluoromethane (HCFC-21)*
75-44-5	Phosgene
75-50-3	Trimethylamine
75-55-8	Propyleneimine
75-56-9	Propylene oxide
75-60-5	Cacodylic acid
75-63-8	Bromotrifluoromethane (Halon 1301)*
75-64-9	tert-Butylamine
75-65-0	tert-Butyl alcohol
75-68-3	1-Chloro-1,1-difluoroethane (HCFC-142b)*
75-69-4	Trichlorofluoromethane (CFC-11)*
75-71-8	Dichlorodifluoromethane (CFC-12)*
75-72-9	Chlorotrifluoromethane (CFC-13)*
75-74-1	Tetramethyllead
75-76-3	Tetramethylsilane*
75-77-4	Trimethylchlorosilane
75-78-5	Dimethyldichlorosilane
75-79-6	Methyltrichlorosilane
75-86-5	Acetone cyanohydrin
75-87-6	Trichloroacetaldehyde
75-88-7	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)*
75-99-0	2,2-Dichloropropionic acid

76-01-7	Pentachloroethane
76-02-8	Trichloroacetyl chloride
76-06-2	Chloropicrin
76-13-1	Freon 113
76-14-2	Dichlorotetrafluoroethane (CFC-114)*
76-15-3	Chloropentafluoroethane (CFC-115)*
76-44-8	Heptachlor
76-87-9	Triphenyltin hydroxide (conc. above 10%)
77-47-4	Hexachlorocyclopentadiene
77-73-6	Dicyclopentadiene
77-78-1	Dimethyl sulfate
77-81-6	Tabun
78-00-2	Tetraethyllead
78-34-2	Dioxathion
78-48-8	S,S,S-Tributyltrithiophosphate
78-53-5	Amiton
78-59-1	Isophorone
78-71-7	3,3-Bis(chloromethyl)oxetane
78-78-4	iso-Pentane*
78-79-5	Isoprene*
78-81-9	iso-Butylamine
78-82-0	Isobutyronitrile
78-83-1	iso-Butyl alcohol
78-84-2	iso-Butyraldehyde
78-87-5	1,2-Dichloropropane
78-88-6	2,3-Dichloropropene
78-92-2	sec-Butyl alcohol
78-93-3	Methyl ethyl ketone
78-94-4	Methyl vinyl ketone
78-97-7	Lactonitrile
78-99-9	1,1-Dichloropropane
79-00-5	1,1,2-Trichloroethane
79-01-6	Trichloroethylene
79-06-1	Acrylamide
79-09-4	Propionic acid
79-10-7	Acrylic acid
79-11-8	Chloroacetic acid

79-19-6	Thiosemicarbazide
79-21-0	Peroxyacetic acid
79-22-1	Methyl chloroformate
79-31-2	iso-Butyric acid
79-34-5	1,1,2,2-Tetrachloroethane
79-38-9	Trifluorochloethylene
79-44-7	Dimethylcarbamyl chloride
79-46-9	2 Nitropropane
79-94-7	Tetrabromobisphenol A
80-05-7	Bisphenol A
80-15-9	Cumene hydroperoxide
80-62-6	Methyl methacrylate
80-63-7	Methyl 2-chloroacrylate
81-07-2	Saccharin
81-81-2	Warfarin (concentrations above 3%)
81-88-9	C.I. Food Red 15
82-28-0	1-Amino-2-methylanthraquinone
82-66-6	Diphacinone (concentrations above 3%)
82-68-8	Pentachloronitrobenzene
83-32-9	Acenaphthene
84-66-2	Diethyl phthalate
84-74-2	Dibutyl phthalate
85-00-7	Diquat bromide
85-01-8	Phenanthrene
85-44-9	Phthalic anhydride
85-68-7	Butyl benzyl phthalate
86-30-6	N-Nitrosodiphenylamine
86-50-0	Azinphos-methyl
86-73-7	Fluorene
86-88-4	ANTU (concentrations above 4%)
87-62-7	2,6 Xylidine
87-65-0	2,6-Dichlorophenol
87-68-3	Hexachlorobutadiene
87-86-5	Pentachlorophenol (concentrations above 5%)
88-05-1	2,4,6-Trimethylanaline
88-06-2	2,4,6-Trichlorophenol
88-72-2	o-Nitrotoluene

88-75-5	o-Nitrophenol
88-85-7	Dinoseb
88-89-1	Picric acid, dry or wetted with less than 30% water by mass
90-04-0	o-Anisidine
90-43-7	2-Phenylphenol
90-94-8	Michler's ketone
91-08-7	Toluene-2,6-diisocyanate
91-20-3	Naphthalene
91-22-5	Quinoline
91-58-7	2-Chloronaphthalene
91-59-8	2-Naphthylamine
91-66-7	N,N-Diethylaniline
91-80-5	Methapyrilene
91-93-0	3,3,-Dimethoxybenzidine-4,4,-diisocyanate
91-94-1	3,3,-Dichlorobenzidine
91-97-4	3,3,-Dimethyl-4,4,-diphenylene diisocyanate
92-52-4	Biphenyl
92-67-1	4-Aminobiphenyl
92-87-5	Benzidine
92-93-3	4-Nitrobiphenyl
93-65-2	Mecoprop
93-72-1	Silvex
93-76-5	2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)
93-79-8	2,4,5-Trichlorophenoxyacetic acid butyl ester
94-11-1	2,4-Dichlorophenoxyacetic acid isopropyl ester
94-36-0	Benzoyl peroxide
94-58-6	Dihydrosafrole
94-59-7	Safrole
94-74-6	Methoxone
94-75-7	2,4-Dichlorophenoxyacetic acid (2,4-D) (concentrations above 20%)
94-79-1	2,4-Dichlorophenoxyacetic acid sec-butyl ester
94-80-4	2,4-Dichlorophenoxyacetic acid n-butyl ester
94-82-6	4-(2,4 Dichlorophenoxy)butyric acid
95-47-6	o-Xylene
95-48-7	o-Cresol
95-50-1	o-Dichlorobenzene
95-53-4	o-Toluidine

95-54-5	1,2-Phenylenediamine
95-57-8	o-Chlorophenol
95-63-6	1,2,4-Trimethylbenzene
95-69-2	p-Chloro-o-toluidine
95-80-7	2,4-Diaminotoluene
95-94-3	1,2,4,5-Tetrachlorobenzene
95-95-4	2,4,5-Trichlorophenol
96-09-3	Styrene oxide
96-12-8	1,2-Dibromo-3-chloropropane
96-18-4	1,2,3-Trichloropropane
96-33-3	Methyl acrylate
96-45-7	2 Imidazolidinethione
97-23-4	Dichlorophene
97-56-3	C.I. Solvent Yellow 3
97-63-2	Ethyl methacrylate
98-01-1	Furfural
98-05-5	Benzenearsonic acid
98-07-7	Benzotrichloride
98-09-9	Benzenesulfonyl chloride
98-13-5	Trichlorophenylsilane
98-16-8	3-(Trifluoromethyl)benzenamine
98-82-8	Cumene
98-86-2	Acetophenone
98-87-3	Benzal chloride
98-88-4	Benzoyl chloride
98-95-3	Nitrobenzene
99-08-1	m-Nitrotoluene
99-30-9	Dichloran
99-35-4	1,3,5-Trinitrobenzene
99-55-8	5-Nitro-o-toluidine
99-59-2	5-Nitro-o-anisidine
99-65-0	m-Dinitrobenzene
99-98-9	Dimethyl-p-phenylenediamine
99-99-0	p-Nitrotoluene
100-01-6	p-Nitroaniline
100-02-7	p-Nitrophenol
100-14-1	1-Chloromethyl-4-nitrobenzene

100-25-4	p-Dinitrobenzene
100-41-4	Ethylbenzene
100-42-5	Styrene
100-44-7	Benzyl chloride
100-47-0	Benzonitrile
100-75-4	N-Nitrosopiperidine
101-05-3	Anilazine
101-14-4	4,4,-Methylenebis(2-chloroaniline)
101-27-9	Barban
101-55-3	4-Bromophenyl phenyl ether
101-61-1	4,4,-Methylenebis(N,N-dimethyl)benzenamine
101-68-8	Methylenebis(phenylisocyanate)
101-77-9	4,4,-Methylenedianiline
101-80-4	4,4,-Diaminodiphenyl ether
101-90-6	Diglycidyl resorcinol ether
102-36-3	Isocyanic acid, 3,4-dichlorophenyl ester
103-85-5	Phenylthiourea
104-12-1	p-Chlorophenyl isocyanate
104-49-4	1,4-Phenylene diisocyanate
104-94-9	p-Anisidine
105-46-4	sec-Butyl acetate
105-67-9	2,4-Dimethylphenol
106-42-3	p-Xylene
106-44-5	p-Cresol
106-46-7	p-Dichlorobenzene
106-47-8	p-Chloroaniline
106-49-0	p-Toluidine
106-50-3	p-Phenylenediamine
106-51-4	Quinone
106-88-7	1,2-Butylene oxide
106-89-8	Epichlorohydrin
106-93-4	Ethylene dibromide*
106-96-7	Propargyl bromide
106-97-8	Butane*
106-98-9	1-Butene*
106-99-0	1,3-Butadiene
107-00-6	Ethyl acetylene*

107-01-7	2-Butene*
107-02-8	Acrolein
107-05-1	Allyl chloride
107-06-2	Ethylene dichloride
107-07-3	Chloroethanol
107-10-8	1-Propanamine
107-11-9	Allyl amine
107-12-0	Propionitrile
107-13-1	Acrylonitrile
107-15-3	Ethylenediamine
107-16-4	Formaldehyde cyanohydrin
107-18-6	Allyl alcohol
107-19-7	Propargyl alcohol
107-20-0	Chloroacetaldehyde
107-21-1	Ethylene glycol
107-25-5	Vinyl methyl ether*
107-30-2	Chloromethyl methyl ether
107-31-3	Methyl formate*
107-44-8	Sarin
107-49-3	Tetraethylpyrophosphate (TEPP)
107-92-6	Butyric acid
108-05-4	Vinyl acetate
108-10-1	Methyl isobutyl ketone
108-23-6	Isopropyl chloroformate
108-24-7	Acetic anhydride
108-31-6	Maleic anhydride
108-38-3	m-Xylene
108-39-4	m-Cresol
108-45-2	1,3-Phenylenediamine
108-46-3	Resorcinol
108-60-1	Bis(2-chloroisopropyl)ether
108-88-3	Toluene
108-90-7	Chlorobenzene
108-91-8	Cyclohexylamine
108-93-0	Cyclohexanol
108-94-1	Cyclohexanone
108-95-2	Phenol

108-98-5	Benzenethiol
109-06-8	2-Picoline
109-61-5	Propyl chloroformate
109-66-0	Pentane*
109-67-1	1-Pentene*
109-73-9	Butylamine
109-77-3	Malononitrile
109-86-4	2-Methoxyethanol
109-89-7	Diethylamine
109-92-2	Vinyl ethyl ether*
109-95-5	Ethyl nitrite*
109-99-9	Tetrahydrofuran
110-00-9	Furan
110-16-7	Maleic acid
110-17-8	Fumaric acid
110-19-0	iso-Butyl acetate
110-54-3	n-Hexane
110-57-6	trans-1,4-Dichlorobutene
110-75-8	2-Chloroethyl vinyl ether
110-80-5	2-Ethoxyethanol
110-82-7	Cyclohexane
110-86-1	Pyridine
110-89-4	Piperidine
111-42-2	Diethanolamine
111-44-4	Dichloroethyl ether
111-54-6	1,2-Ethanediylbiscarbamodithioic acid
111-69-3	Adiponitrile
111-91-1	Bis(2-chloroethoxy) methane
114-26-1	Propoxur (concentrations above 2%)
115-02-6	Azaserine
115-07-1	Propylene*
115-10-6	Methyl ether*
115-11-7	Methylpropene*
115-21-9	Trichloroethylsilane
115-26-4	Dimefox
115-28-6	Chlorendic acid
115-29-7	Endosulfan

115-32-2	Dicofol
115-90-2	Fensulfothion
116-06-3	Aldicarb
116-14-3	Tetrafluoroethylene*
117-79-3	2-Aminoanthraquinone
117-80-6	Dichlone
117-81-7	Di(2-ethylhexyl)phthalate (DEHP)
117-84-0	Di-n-octyl phthalate
118-74-1	Hexachlorobenzene
119-38-0	Isopropylmethylpyrazolyl dimethylcarbamate
119-90-4	3,3-Dimethoxybenzidine
119-93-7	3,3-Dimethylbenzidine
120-12-7	Anthracene
120-36-5	2-(2,4-Dichlorophenoxy)propionic acid
120-58-1	Isosafrole
120-71-8	p-Cresidine
120-80-9	Catechol
120-82-1	1,2,4-Trichlorobenzene
120-83-2	2,4-Dichlorophenol
121-14-2	2,4-Dinitrotoluene
121-21-1	Pyrethrin I
121-29-9	Pyrethrin II
121-44-8	Triethylamine
121-69-7	Dimethylaniline
121-75-5	Malathion
122-09-8	alpha,alpha-Dimethylphenethylamine
122-34-9	Simazine
122-39-4	Diphenylamine
122-49-9	Propham
122-66-7	1,2-Diphenylhydrazine
123-31-9	Hydroquinone
123-33-1	Maleic hydrazide
123-38-6	Propionaldehyde
123-61-5	1,3-Phenylene diisocyanate
123-62-6	Propionic anhydride
123-63-7	Paraldehyde
123-72-8	Butyraldehyde

123-73-9	Crotonaldehyde, (E)-
123-86-4	n-Butyl acetate
123-91-1	1,4-Dioxane
123-92-2	iso-Amyl acetate
124-04-9	Adipic acid
124-40-3	Dimethylamine
124-41-4	Sodium methylate
124-48-1	Chlorodibromomethane
124-65-2	Sodium cacodylate
124-73-2	Dibromotetrafluoroethane (Halon 2402)
124-87-8	Picrotoxin
126-72-7	Tris(2,3-dibromopropyl) phosphate
126-98-7	Methylacrylonitrile
126-99-8	Chloroprene
127-18-4	Tetrachloroethylene
127-82-2	Zinc phenolsulfonate
128-03-0	Potassium dimethyldithiocarbamate
128-04-1	Sodium dimethyldithiocarbamate
128-66-5	C.I. Vat Yellow 4
129-00-0	Pyrene
129-06-6	Warfarin sodium
129-17-9	C.I. Acid Blue 1, sodium salt
130-15-4	1,4-Naphthalenedione
131-11-3	Dimethyl phthalate
131-52-2	Sodium pentachlorphenate
131-74-8	Ammonium picrate
131-89-5	2-Cyclohexyl-4,6-dinitrophenol
132-27-4	Sodium o-phenylphenoxide
132-64-9	Dibenzofuran
133-06-2	Captan
133-07-3	Folpet
133-90-4	Chloramben
134-29-2	o-Anisidine hydrochloride
134-32-7	1-Naphthylamine
135-20-6	Cupferron
136-45-8	Dipropyl isocinchomeronate
137-26-8	Thiram

137-30-4	Ziram
137-41-7	Potassium N-methyldithiocarbamat
137-42-8	Metham sodium
138-89-6	p-Nitrosodimethylaniline
138-93-2	Disodium cyanodithioimidocarbonate
139-13-9	Nitrilotriacetic acid
139-25-3	3,3-Dimethyldiphenylmethane-4,4-diisocyanate
139-65-1	4,4-Thiodianiline
140-29-4	Benzyl cyanide
140-76-1	2-Methyl-5-vinylpyridine
140-88-5	Ethyl acrylate
141-32-2	Butyl acrylate
141-66-2	Dicrotophos
141-78-6	Ethyl acetate
142-28-9	1,3-Dichloropropane
142-59-6	Nabam
142-71-2	Cupric acetate
142-84-7	Dipropylamine
143-33-9	Sodium cyanide
143-50-0	Kepone
144-49-0	Fluoroacetic acid
145-73-3	Endothall
148-79-8	Thiabendazole
148-82-3	Melphalan
149-30-4	2-Mercaptobenzothiazole
149-74-6	Dichloromethylphenylsilane
150-50-5	Merphos
150-68-5	Monuron
151-38-2	Methoxyethylmercuric acetate
151-50-8	Potassium cyanide
151-56-4	Ethylenimine
152-16-9	Octamethyl pyrophosphoramide
156-10-5	p-Nitrosodiphenylamine
156-60-5	1,2-trans-Dichloroethylene
156-62-7	Calcium cyanamide
189-55-9	Dibenzopyrene
189-64-0	Dibenzo(a,h)pyrene

191-24-2	Benzoperylene
191-30-0	Dibenzo(a,l)pyrene
192-65-4	Dibenzo(a,e)pyrene
193-39-5	Indeno(1,2,3-cd)pyrene
194-59-2	7H-Dibenzo(c,g)carbazole
203-65-7	Mercaptodimethur
205-82-3	Benzo(j)fluoranthene
205-99-2	Benzo(b)fluoranthene
206-44-0	Fluoranthene
207-08-9	Benzo(k)fluoranthene
208-96-8	Acenaphthylene
218-01-9	Chrysene
224-42-0	Dibenz(a,j)acridine
225-51-4	Benzacridine
226-36-8	Dibenz(a,h)acridine
297-78-9	Isobenzan
297-97-2	Thionazin
298-00-0	Methyl parathion
298-02-2	Phorate
298-04-4	Disulfoton (concentrations above 2%)
300-62-9	Amphetamine
300-76-5	Naled
301-04-2	Lead acetate
301-12-2	Oxydemeton methyl
302-01-2	Hydrazine
303-34-4	Lasiocarpine
305-03-3	Chlorambucil
306-83-2	2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123)*
309-00-2	Aldrin
311-45-5	Diethyl-p-nitrophenyl phosphate
314-40-9	Bromacil
315-18-4	Mexacarbate (concentrations above 2%)
316-42-7	Emetine dihydrochloride
319-84-6	alpha-BHC
319-85-7	beta-BHC
319-86-8	delta-BHC
327-98-0	Trichloronate

329-71-5	2,5-Dinitrophenol
330-54-1	Diuron
330-55-2	Linuron
333-41-5	Diazinon (concentrations above 25%)
334-88-3	Diazomethane
353-42-4	Boron trifluoride compound with methyl ether (1:1) (conc. above 0.0005%)
353-50-4	Carbonyl fluoride
353-59-3	Bromochlorodifluoromethane (Halon 1211)*
354-11-0	1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)*
354-14-3	1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)*
354-23-4	1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)*
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)*
357-57-3	Brucine
359-06-8	Fluoroacetyl chloride
371-62-0	Ethylene fluorohydrin
379-79-3	Ergotamine tartrate
422-44-6	1,2-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)*
422-48-0	2,3-Dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)*
422-56-0	3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)*
431-86-7	1,2-Dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)*
460-19-5	Cyanogen
460-35-5	3-Chloro-1,1,1-trifluoropropane (HCFC-253fb)*
463-49-0	Propadiene*
463-58-1	Carbonyl sulfide
463-82-1	2,2-Dimethylpropane*
465-73-6	Isodrin
470-90-6	Chlorfenvinfos
492-80-8	Auramine
494-03-1	Chlornaphazine
496-72-0	3,4-Diaminotoluene
502-39-6	Methylmercuric dicyanamide
504-24-5	4-Aminopyridine
504-60-9	1-Methylbutadiene
505-60-2	Mustard gas
506-61-6	Potassium silver cyanide
506-64-9	Silver cyanide

506-68-3	Cyanogen bromide
506-77-4	Cyanogen chloride
506-78-5	Cyanogen iodide
506-87-6	Ammonium carbonate
506-96-7	Acetyl bromide
507-55-1	1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)*
509-14-8	Tetranitromethane
510-15-6	Chlorobenzilate
513-49-5	sec-Butylamine
514-73-8	Dithiazanine iodide
528-29-0	o-Dinitrobenzene
532-27-4	2-Chloroacetophenone
533-74-4	Dazomet
534-07-6	Bis(chloromethyl) ketone
534-52-1	4,6-Dinitro-o-cresol, and salts
535-89-7	Crimidine
538-07-8	Ethylbis(2-chloroethyl)amine
540-59-0	1,2-Dichloroethylene
540-73-8	1,2-Dimethylhydrazine
540-84-1	2,2,4-Trimethylpentane
540-88-5	tert-Butyl acetate
541-09-3	Uranyl acetate
541-25-3	Lewisite
541-41-3	Ethyl chloroformate
541-53-7	Dithiobiuret
541-73-1	m-Dichlorobenzene
542-62-1	Barium cyanide
542-75-6	1,3-Dichloropropene
542-76-7	3-Chloropropionitrile
542-88-1	Bis(chloromethyl) ether
542-90-5	Ethylthiocyanate
543-90-8	Cadmium acetate
544-18-3	Cobaltous formate
544-92-3	Copper cyanide
554-13-2	Lithium carbonate

554-84-7	m-Nitrophenol
555-77-1	Tris(2-chloroethyl)amine
556-61-6	Methyl isothiocyanate
556-64-9	Methyl thiocyanate
557-19-7	Nickel cyanide
557-21-1	Zinc cyanide
557-34-6	Zinc acetate
557-41-5	Zinc formate
557-98-2	2-Chloropropylene*
558-25-8	Methanesulfonyl fluoride
563-12-2	Ethion (concentrations above 6% granular and 3% other formulations)
563-41-7	Semicarbazide hydrochloride
563-45-1	3-Methyl-1-butene*
563-46-2	2-Methyl-1-butene*
563-47-3	3-Chloro-2-methyl-1-propene
563-68-8	Thallium(I) acetate
569-64-2	C.I. Basic Green 4
573-56-8	2,6-Dinitrophenol
584-84-9	Toluene-2,4-diisocyanate
590-18-1	2-Butene-cis*
590-21-6	1-Chloropropylene*
591-08-2	1-Acetyl-2-thiourea
592-01-8	Calcium cyanide
592-04-1	Mercuric cyanide
592-85-8	Mercuric thiocyanate
592-87-0	Lead thiocyanate
593-60-2	Vinyl bromide
594-42-3	Perchloromethylmercaptan
597-64-8	Tetraethyltin
598-31-2	Bromoacetone
598-73-2	Bromotrifluorethylene*
606-20-2	2,6-Dinitrotoluene
608-73-1	Hexachlorocyclohexane (mixed isomers)
608-93-5	Pentachlorobenzene
609-19-8	3,4,5-Trichlorophenol
610-39-9	3,4-Dinitrotoluene

612-82-2	o-Tolidine dihydrochloride
612-83-9	3,3-Dichlorobenzidine dihydrochloride
614-78-8	(2-Methylphenyl)thiourea
615-05-4	2,4-Diaminoanisole
615-28-1	1,2-Phenylenediamine dihydrochloride
615-53-2	N-Nitroso-N-methylurethane
621-64-7	N-Nitrosodi-n-propylamine
624-18-0	1,4-Phenylenediamine dihydrochloride
624-64-6	2-Butene-trans*
624-83-9	Methyl isocyanate
625-16-1	tert-Amyl acetate
626-38-0	sec-Amyl acetate
627-11-2	Chloroethyl chloroformate
627-20-3	2-Pentene, (Z)-*
628-63-7	n-Amyl acetate
628-86-4	Mercury fulminate
630-10-4	Carbamimidoselenoic acid
630-20-6	1,1,1,2-Tetrachloroethane
630-60-4	Ouabain
631-61-8	Ammonium acetate
636-21-5	o-Toluidine hydrochloride
639-58-7	Triphenyltin chloride
640-19-7	Fluoroacetamide
644-64-4	Dimetilan
646-04-8	2-Pentene, (E)-*
675-14-9	Cyanuric fluoride
676-97-1	Methyl phosphonic dichloride
680-31-9	Hexamethylphosphoramide
684-93-5	N-Nitroso-N-methylurea
689-97-4	Vinyl acetylene*
692-42-2	Diethylarsine
696-28-6	Dichlorophenylarsine
709-98-8	Propanil
757-58-4	Hexaethyl tetraphosphate
759-73-9	N-Nitroso-N-ethylurea
759-94-4	Ethyl dipropylthiocarbamate (EPTC)
760-93-0	Methacrylic anhydride

764-41-0	1,4-Dichloro-2-butene
765-34-4	Glycidylaldehyde
786-19-6	Carbophenothion
812-04-4	1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)*
814-49-3	Diethyl chlorophosphate
814-68-6	Acrylyl chloride
815-82-7	Cupric tartrate
822-06-0	Hexamethylene-1,6-diisocyanate
823-40-5	2,6-Diaminotoluene
824-11-3	Trimethylolpropane phosphite
834-12-8	Ametryn
842-07-9	C.I. Solvent Yellow 14
872-50-4	N-Methyl-2-pyrrolidone
900-95-8	Acetoxytriphenylstannane
919-86-8	Methyl demeton (concentrations above 7%)
920-46-7	Methacryloyl chloride
924-16-3	N-Nitrosodi-n-butylamine
924-42-5	N-Methylolacrylamide
930-55-2	N-Nitrosopyrrolidine
933-75-5	2,3,6-Trichlorophenol
933-78-8	2,3,5-Trichlorophenol
944-22-9	Fonofos
947-02-4	Phosfolan
950-10-7	Mephosfolan
950-37-8	Methidathion
957-51-7	Diphenamid
959-98-8	alpha-Endosulfan
961-11-5	Tetrachlorvinphos
989-38-8	C.I. Basic Red 1
991-42-4	Norbormide
998-30-1	Triethoxysilane
999-81-5	Chlormequat chloride
1024-57-3	Heptachlor epoxide
1031-07-8	Endosulfan sulfate
1031-47-6	Triamiphos
1066-30-4	Chromic acetate
1066-33-7	Ammonium bicarbonate

1066-45-1	Trimethyltin chloride
1072-35-1	Lead stearate (stearic acid, lead(2+) salt)
1111-78-0	Ammonium carbamate
1114-71-2	Pebulate
1116-54-7	N-Nitrosodiethanolamine
1120-71-4	1,3-Propane sultone
1122-60-7	Nitrocyclohexane
1124-33-0	4-Nitropyridine 1-oxide
1129-41-5	Metolcarb
1134-23-2	Cycloate
1163-19-5	Decabromodiphenyl oxide
1185-57-5	Ferric ammonium citrate
1194-65-6	Dichlobenil
1300-71-6	Xylenol
1303-28-2	Arsenic pentoxide
1303-32-8	Arsenic disulfide
1303-33-9	Arsenic trisulfide
1306-19-0	Cadmium oxide
1309-64-4	Antimony trioxide
1310-58-3	Potassium hydroxide
1310-73-2	Sodium hydroxide
1313-27-5	Molybdenum trioxide
1314-20-1	Thorium dioxide
1314-32-5	Thallic oxide
1314-62-1	Vanadium pentoxide
1314-80-3	Phosphorus pentasulfide
1314-84-7	Zinc phosphide (concentrations greater than 10%)
1314-87-0	Lead sulfide
1319-72-8	2,4,5-T amines
1319-77-3	Cresol (mixed isomers)
1320-18-9	2,4-Dichlorophenoxyacetic acid propylene glycol butyl ether ester
1321-12-6	Nitrotoluene (mixed isomers)
1327-52-2	Arsenic acid
1327-53-3	Arsenic trioxide (concentrations above 1.5%)
1330-20-7	Xylene (mixed isomers)
1332-07-6	Zinc borate

1332-21-4	Asbestos (friable)
1333-74-0	Hydrogen*
1333-83-1	Sodium bifluoride
1335-32-6	Lead subacetate
1335-87-1	Hexachloronaphthalene
1336-21-6	Ammonium hydroxide
1336-36-3	Polychlorinated biphenyls (PCBs)
1338-23-4	Methyl ethyl ketone peroxide
1338-24-5	Naphthenic acid
1341-49-7	Ammonium bifluoride
1344-28-1	Aluminum oxide (fibrous forms)
1397-94-0	Antimycin A
1420-07-1	Dinoterb
1464-53-5	Diepoxybutane
1558-25-4	Trichloro(chloromethyl)silane
1563-38-8	Carbofuran phenol
1563-66-2	Carbofuran
1582-09-8	Trifluralin
1600-27-7	Mercuric acetate
1615-80-1	1,2-Diethylhydrazine
1622-32-8	2-Chloroethanesulfonyl chloride
1634-04-4	Methyl tert-butyl ether
1646-88-4	Aldicarb sulfone
1649-08-7	1,2-Dichloro-1,1-difluoroethane (HCFC-132b)*
1689-84-5	Bromoxynil
1689-99-2	Bromoxynil octanoate
1717-00-6	1,1-Dichloro-1-fluoroethane (HCFC-141b)*
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
1752-30-3	Acetone thiosemicarbazide
1762-95-4	Ammonium thiocyanate
1836-75-5	Nitrofen
1861-40-1	Benfluralin
1863-63-4	Ammonium benzoate
1888-71-7	Hexachloropropene
1897-45-6	Chlorothalonil
1910-42-5	Paraquat
1912-24-9	Atrazine

1918-00-9	Dicamba
1918-02-1	Picloram
1918-16-7	Propachlor
1928-38-7	2,4-Dichlorophenoxyacetic acid methyl ester
1928-43-4	2,4-Dichlorophenoxyacetic acid 2-ethylhexyl ester (concentrations above 20%)
1928-47-8	2,4,5-Trichlorophenoxyacetic acid 2-ethylhexyl ester
1928-61-6	2,4-Dichlorophenoxyacetic acid propyl ester
1929-73-3	2,4-Dichlorophenoxyacetic acid butoxyethanol ester (conc. above 20%)
1929-82-4	Nitrapyrin
1937-37-7	C.I. Direct Black 38
1982-47-4	Chloroxuron
1982-69-0	Sodium dicamba
1983-10-4	Tributyltin fluoride
2001-95-8	Valinomycin
2008-46-0	2,4,5-T amines
2032-65-7	Methiocarb (concentrations above 2%)
2074-50-2	Paraquat methosulfate
2097-19-0	Phenylsilatrane
2104-64-5	EPN
2155-70-6	Tributyltin methacrylate
2164-07-0	Dipotassium endothall
2164-17-2	Fluometuron
2212-67-1	Molinate
2223-93-0	Cadmium stearate
2231-57-4	Thiocarbazide
2234-13-1	Octachloronaphthalene
2238-07-5	Diglycidyl ether
2275-18-5	Prothoate
2300-66-5	Dimethylamine dicamba
2303-16-4	Diallate
2303-17-5	Triallate
2312-35-8	Propargite
2349-01-2	Chinomethionat
2385-85-5	Mirex
2439-10-3	Dodine

2497-07-6	Oxydisulfoton
2524-03-0	Dimethyl phosphorochloridothioate
2540-82-1	Formothion
2545-59-7	2,4,5-Trichlorophenoxyacetic acid 2-butyoxyethyl ester
2556-36-7	1,4-Cyclohexane diisocyanate
2570-26-5	Pentadecylamine
2587-90-8	Methyl demeton methyl
2602-46-2	C.I. Direct Blue 6
2631-37-0	Promecarb
2636-26-2	Cyanophos
2642-71-9	Azinphos-ethyl
2646-17-5	C.I. Solvent orange 2
2650-18-2	C.I. Acid Blue 9, diammonium salt
2655-15-4	2,3,5-Trimethylphenyl methylcarbamate
2665-30-7	Methylphosphonothioic acid-O-(4-nitrophenyl)-O-phenyl ester
2699-79-8	Sulfuryl fluoride
2702-72-9	2,4-Dichlorophenoxyacetic acid sodium salt (conc. above 20%)
2703-13-1	Methylphosphonothioic acid-O-ethyl O-(p-(methylthio)phenyl)ester
2757-18-8	Thallous malonate
2763-96-4	Muscimol
2764-72-9	Diquat
2778-04-3	Endothion
2832-40-8	C.I. Disperse Yellow 3
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)*
2921-88-2	Chlorpyrifos (concentrations above 15%)
2944-67-4	Ferric ammonium oxalate
2971-38-2	2,4-Dichlorophenoxyacetic acid chlorocrotyl ester
3012-65-5	Ammonium citrate dibasic
3037-72-7	(4-Aminobutyl)diethoxymethylsilane
3118-97-6	C.I. Solvent Orange 7
3164-29-2	Ammonium tartrate, diammonium salt
3165-93-3	4-Chloro-o-toluidine hydrochloride
3173-72-6	1,5-Naphthalene diisocyanate
3251-23-8	Cupric nitrate

3254-63-5	Phosphoric acid, dimethyl 4-(methylthio)phenyl ester
3288-58-2	O,O-Diethyl S-methyl dithiophosphate
3383-96-8	Temephos
3486-35-9	Zinc carbonate
3547-04-4	p,p,-Dichlorodiphenylethane
3564-09-8	C.I. Food Red 6
3569-57-1	3-Chloropropyloctylsulfoxide
3615-21-2	4,5-Dichloro-2-(trifluoromethyl)benzimidazole
3653-48-3	Methoxone sodium salt
3689-24-5	Sulfotep
3691-35-8	Chlorophacinone (concentrations 0.2% and above)
3697-24-3	5-Methylchrysene
3734-97-2	Amiton oxalate
3735-23-7	Methyl phenkapton
3761-53-3	C.I. Food Red 5
3813-14-7	2,4,5-T amines
3878-19-1	Fuberidazole
4044-65-9	Bitoscanate
4080-31-3	1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride
4098-71-9	Isophorone diisocyanate
4104-14-7	Phosacetim
4109-96-0	Dichlorosilane
4128-73-8	4,4,-Diisocyanatodiphenyl ether
4170-30-3	Crotonaldehyde
4301-50-2	Fluenetil
4418-66-0	2,2,-Thiobis(4-chloro-6-methyl)phenol
4549-40-0	N-Nitrosomethylvinylamine
4680-78-8	C.I. Acid Green 3
4835-11-4	N,N,-Dibutylhexamethylenediamine
5124-30-1	1,1-Methylene bis(4-isocyanatocyclohexane)
5141-20-8	C.I. Acid Green 5
5234-68-4	Carboxin
5344-82-1	1-(o-Chlorophenyl)thiourea
5385-75-1	Dibenzo(a,e)fluoranthene
5522-43-0	1-Nitropyrene
5598-13-0	Chlorpyrifos methyl
5836-29-3	Coumatetralyl

5893-66-3	Cupric oxalate
5902-51-2	Terbacil
5952-26-1	Diethylene glycol dicarbamate
5972-73-6	Ammonium oxalate, unspecified hydrate
6009-70-7	Ammonium oxalate, monohydrate
6358-53-8	C.I. Solvent Red 80
6369-96-6	2,4,5-T amines
6369-97-7	2,4,5-T amines
6459-94-5	C.I. Acid Red 114
6533-73-9	Thallous carbonate
6923-22-4	Monocrotophos
7005-72-3	4-Chlorophenyl phenyl ether
7287-19-6	Prometryn
7421-93-4	Endrin aldehyde
7428-48-0	Lead stearate
7429-90-5	Aluminum (fume or dust)
7439-92-1	Lead
7439-96-5	Manganese
7439-97-6	Mercury
7440-02-0	Nickel
7440-22-4	Silver
7440-23-5	Sodium
7440-28-0	Thallium
7440-36-0	Antimony
7440-38-2	Arsenic
7440-39-3	Barium
7440-41-7	Beryllium powder
7440-43-9	Cadmium
7440-47-3	Chromium
7440-48-4	Cobalt
7440-50-8	Copper
7440-62-2	Vanadium (except when contained in an alloy)
7440-66-6	Zinc (fume or dust)
7446-08-4	Selenium dioxide
7446-09-5	Sulfur dioxide
7446-11-9	Sulfur trioxide
7446-14-2	Lead sulfate

7446-18-6	Thallous sulfate
7446-27-7	Lead phosphate
7447-39-4	Cupric chloride
7487-94-7	Mercuric chloride
7488-56-4	Selenium sulfide
7550-45-0	Titanium tetrachloride
7558-79-4	Sodium phosphate dibasic
7580-67-8	Lithium hydride
7601-54-9	Trisodium phosphate
7601-89-0	Sodium perchlorate
7631-89-2	Sodium arsenate
7631-90-5	Sodium bisulfite
7632-00-0	Sodium nitrite
7637-07-2	Boron trifluoride
7645-25-2	Lead arsenate, unspecified
7646-85-7	Zinc chloride
7647-01-0	Hydrogen chloride
7647-18-9	Antimony pentachloride
7664-38-2	Phosphoric acid
7664-39-3	Hydrogen fluoride
7664-41-7	Ammonia
7664-93-9	Sulfuric acid
7681-49-4	Sodium fluoride
7681-52-9	Sodium hypochlorite
7696-12-0	Tetramethrin
7697-37-2	Nitric acid
7699-45-8	Zinc bromide
7705-08-0	Ferric chloride
7718-54-9	Nickel(II) chloride
7719-12-2	Phosphorus trichloride
7720-78-7	Ferrous sulfate
7722-64-7	Potassium permanganate
7722-84-1	Hydrogen peroxide (Conc. > 52%)
7723-14-0	Phosphorus
7726-95-6	Bromine
7733-02-0	Zinc sulfate
7738-94-5	Chromic acid (H2CrO4)

7758-01-2	Potassium bromate
7758-29-4	Pentasodium triphosphate
7758-94-3	Ferrous chloride
7758-95-4	Lead chloride
7758-98-7	Cupric sulfate
7761-88-8	Silver nitrate
7773-06-0	Ammonium sulfamate
7775-11-3	Sodium chromate
7778-39-4	Arsenic acid
7778-44-1	Calcium arsenate
7778-50-9	Potassium bichromate
7778-54-3	Calcium hypochlorite
7778-74-7	Potassium perchlorate
7779-86-4	Zinc hydrosulfite
7779-88-6	Zinc nitrate
7782-41-4	Fluorine
7782-49-2	Selenium
7782-50-5	Chlorine
7782-63-0	Ferrous sulfate heptahydrate
7782-82-3	Sodium selenite
7782-86-7	Mercurous nitrate
7783-00-8	Selenous acid
7783-06-4	Hydrogen sulfide
7783-07-5	Hydrogen selenide
7783-35-9	Mercuric sulfate
7783-46-2	Lead fluoride
7783-49-5	Zinc fluoride
7783-50-8	Ferric fluoride
7783-56-4	Antimony trifluoride
7783-60-0	Sulfur tetrafluoride
7783-70-2	Antimony pentafluoride
7783-80-4	Tellurium hexafluoride
7784-34-1	Arsenous trichloride
7784-40-9	Lead arsenate
7784-41-0	Potassium arsenate
7784-42-1	Arsine
7784-46-5	Sodium arsenite

7785-84-4	Metaphosphoric acid, trisodium salt
7786-34-7	Mevinphos
7786-81-4	Nickel sulfate
7787-47-5	Beryllium chloride
7787-49-7	Beryllium fluoride
7787-55-5	Beryllium nitrate
7788-98-9	Ammonium chromate
7789-00-6	Potassium chromate
7789-06-2	Strontium chromate
7789-09-5	Ammonium bichromate
7789-42-6	Cadmium bromide
7789-43-7	Cobaltous bromide
7789-61-9	Antimony tribromide
7790-94-5	Chlorosulfonic acid
7790-98-9	Ammonium perchlorate
7791-03-9	Lithium perchlorate
7791-12-0	Thallous chloride
7791-21-1	Chlorine monoxide*
7791-23-3	Selenium oxychloride
7803-51-2	Phosphine
7803-55-6	Ammonium vanadate
7803-62-5	Silane*
8001-35-2	Toxaphene
8001-50-1	Strobane
8001-58-9	Creosote
8003-19-8	Dichloropropane-Dichloropropene (mixture)
8003-34-7	Pyrethrum
8006-61-9	Gasoline
8008-20-6	Kerosene
8014-95-7	Sulfuric acid
8065-48-3	Demeton
9006-42-2	Metiram
9016-87-9	Polymeric diphenylmethane diisocyanate
10022-70-5	Sodium hypochlorite, pentahydrate
10025-73-7	Chromic chloride
10025-78-2	Trichlorosilane
10025-87-3	Phosphorus oxychloride

10025-91-9	Antimony trichloride
10026-11-6	Zirconium tetrachloride
10026-13-8	Phosphorus pentach
10028-15-6	Ozone
10028-22-5	Ferric sulfate
10028-24-7	Sodium phosphate dibasic
10031-59-1	Thallium sulfate
10034-93-2	Hydrazine sulfate
10039-32-4	Phosphoric acid, disodium salt, dodecahydrate
10043-01-3	Aluminum sulfate
10045-89-3	Ferrous ammonium sulfate
10045-94-0	Mercuric nitrate
10049-04-4	Chlorine dioxide
10049-05-5	Chromic(II) chloride
10061-02-6	trans-1,3-Dichloropropane
10099-74-8	Lead nitrate
10101-53-8	Chromic sulfate
10101-63-0	Lead iodide
10101-89-0	Tribasic sodium phosphate dodecahydrate
10102-06-4	Uranyl nitrate
10102-18-8	Sodium selenite
10102-20-2	Sodium tellurite
10102-43-9	Nitric oxide
10102-44-0	Nitrogen dioxide
10102-45-1	Thallium(I) nitrate
10102-48-4	Lead arsenate
10108-64-2	Cadmium chloride
10124-50-2	Potassium arsenite
10124-56-8	Sodium hexametaphosphate
10140-65-5	Phosphoric acid, disodium salt, hydrate
10140-87-1	1,2-Dichloroethanol acetate
10192-30-0	Ammonium bisulfite
10196-04-0	Ammonium sulfite
10210-68-1	Cobalt carbonyl
10265-92-6	Methamidophos
10294-34-5	Boron trichloride
10311-84-9	Dialifor

10347-54-3	1,4-Bis(methylisocyanate)cyclohexane
10361-89-4	Phosphoric acid, trisodium salt, decahydrate
10380-29-7	Cupric sulfate, ammoniated
10415-75-5	Mercurous nitrate
10421-48-4	Ferric nitrate
10453-86-8	Resmethrin
10476-95-6	Methacrolein diacetate
10544-72-6	Nitrogen tetroxide
10588-01-9	Sodium bichromate
10605-21-7	Carbendazim
11096-82-5	Aroclor 1260
11097-69-1	Aroclor 1254
11104-28-2	Aroclor 1221
11115-74-5	Chromic acid
11141-16-5	Aroclor 1232
12002-03-8	Cupric acetoarsenite
12039-52-0	Thallium(I) selenide
12054-48-7	Nickel hydroxide
12108-13-3	Methylcyclopentadienylmanganese tricarbonyl
12122-67-7	Zineb
12125-01-8	Ammonium fluoride
12125-02-9	Ammonium chloride
12135-76-1	Ammonium sulfide
12427-38-2	Maneb
12642-23-8	Aroclor 5442
12672-29-6	Aroclor 1248
12674-11-2	Aroclor 1016
12771-08-3	Sulfur chloride
13071-79-9	Terbufos
13171-21-6	Phosphamidon
13194-48-4	Ethoprophos
13356-08-6	Fenbutatin oxide
13410-01-0	Sodium selenate
13450-90-3	Gallium trichloride
13463-39-3	Nickel carbonyl
13463-40-6	Iron pentacarbonyl
13474-88-9	1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)*

13560-99-1	2,4,5-T sodium salt
13597-99-4	Beryllium nitrate
13684-56-5	Desmedipham
13746-89-9	Zirconium nitrate
13765-19-0	Calcium chromate
13814-96-5	Lead fluoborate
13826-83-0	Ammonium fluoborate
13952-84-6	sec-Butylamine
14017-41-5	Cobaltous sulfamate
14167-18-1	Salcomine
14216-75-2	Nickel nitrate
14258-49-2	Ammonium oxalate
14307-35-8	Lithium chromate
14307-43-8	Ammonium tartrate
14484-64-1	Ferbam
14639-97-5	Zinc ammonium chloride (Zn.Cl4.2H4-N)
14639-98-6	Zinc ammonium chloride (Zn.Cl5.3H4-N)
14644-61-2	Zirconium sulfate
14797-73-0	Perchlorate ion
15271-41-7	3-Chloro-6-cyano-2-norbornanone-o-(methycarbamoyl)oxime
15339-36-3	Manganese dimethyldithiocarbamate
15646-96-5	2,4,4-Trimethylhexamethylene diisocyanate
15699-18-0	Nickel ammonium sulfate
15739-80-7	Lead sulfate
15950-66-0	2,3,4-Trichlorophenol
15972-60-8	Alachlor
16071-86-6	C.I. Direct Brown 95
16543-55-8	N-Nitrosonornicotine
16721-80-5	Sodium hydrosulfide
16752-77-5	Methomyl
16871-71-9	Zinc silicofluoride
16919-19-0	Ammonium silicofluoride
16923-95-8	Zirconium potassium fluoride
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate
17702-41-9	Decaborane(14)
17702-57-7	Formparanate
17804-35-2	Benomyl

18883-66-4	Streptozotocin
19044-88-3	Oryzalin
19287-45-7	Diborane
19624-22-7	Pentaborane
19666-30-9	Oxydiazon
20325-40-0	3,3,-Dimethoxybenzidine dihydrochloride
20354-26-1	Methazole
20816-12-0	Osmium tetroxide
20830-75-5	Digoxin
20830-81-3	Daunomycin
20859-73-8	Aluminum phosphide
21087-64-9	Metribuzin
21548-32-3	Fosthietan
21609-90-5	Leptophos
21725-46-2	Cyanazine (concentrations above 30%)
21908-53-2	Mercuric oxide
21923-23-9	Chlorthiophos
22224-92-6	Fenamiphos
22781-23-3	Bendiocarb (conc. above 15%)
22961-82-6	Bendiocarb phenol
23135-22-0	Oxamyl
23422-53-9	Formetanate hydrochloride
23505-41-1	Pirimifos-ethyl (concentrations above 20%)
23564-05-8	Thiophanate methyl
23564-06-9	Thiophanate ethyl
23950-58-5	Pronamide
24017-47-8	Triazofos
24934-91-6	Chlormephos
25154-54-5	Dinitrobenzene (mixed isomers)
25154-55-6	Nitrophenol (mixed isomers)
25155-30-0	Sodium dodecylbenzenesulfonate
25167-67-3	Butene*
25167-82-2	Trichlorophenol
25168-15-4	2,4,5-Trichlorophenoxyacetic acid isooctyl ester
25168-26-7	2,4-Dichlorophenoxyacetic acid isooctyl ester (conc. above 20%)
25311-71-1	Isofenphos

25321-14-6	Dinitrotoluene (mixed isomers)
25321-22-6	Dichlorobenzene (mixed isomers)
25376-45-8	Diaminotoluene (mixed isomers)
25550-58-7	Dinitrophenol (mixed isomers)
26002-80-2	Phenothrin
26264-06-2	Calcium dodecylbenzenesulfonate
26419-73-8	O-(((2,4-Dimethyl-1,3-dithiolan-2-yl)methylene)amino) methyl carbamic acid
26471-62-5	Toluene diisocyanate (mixed isomers)
26628-22-8	Sodium azide (concentrations above 0.5%)
26638-19-7	Dichloropropane
26644-46-2	Triforine
26952-23-8	Dichloropropene(s) (mixtures)
27137-85-5	Trichloro(dichlorophenyl)silane
27176-87-0	Dodecylbenzenesulfonic acid
27314-13-2	Norflurazon
27323-41-7	Triethanolamine dodecylbenzene sulfonate
27774-13-6	Vanadyl sulfate
28057-48-9	d-trans-Allethrin
28249-77-6	Thiobencarb
28300-74-5	Antimony potassium tartrate
28347-13-9	Xylylene dichloride
28407-37-6	C.I. Direct Blue 218
28772-56-7	Bromadiolone (concentrations above 0.01%)
29082-74-4	Octachlorostyrene
29232-93-7	Pirimiphos methyl
30525-89-4	Paraformaldehyde
30558-43-1	2-(Dimethylamino-N-hydroxy-2-oxo)ethanimidothioic acid, methyl ester
30560-19-1	Acephate
30674-80-7	Methacryloyloxyethyl isocyanate
31218-83-4	Propetamphos
32534-95-5	2-(2,4,5-Trichlorophenoxyl)propanoic acid isooctyl ester
33089-61-1	Amitraz
33213-65-9	beta-Endosulfan
34014-18-1	Tebuthiuron
34077-87-7	Dichlorotrifluoroethane*

35367-38-5	Diflubenzuron
35400-43-2	Sulprofos
35554-44-0	Imazalil
35691-65-7	1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile
36478-76-9	Uranyl nitrate
37211-05-5	Nickel chloride
38661-72-2	1,3-Bis(methylisocyanate)cyclohexane
38727-55-8	Diethatyl ethyl
39156-41-7	2,4-Diaminoanisole sulfate
39196-18-4	Thiofanox
39300-45-3	Dinocap
39515-41-8	Fenpropathrin
40487-42-1	Pendimethalin
41198-08-7	Profenofos
41766-75-0	o-Tolidine dihydrofluoride
42504-46-1	Isopropanolamine dodecylbenzene sulfonate
42874-03-3	Oxyfluorfen
43121-43-3	Triadimefon
50471-44-8	Vinclozolin
50782-69-9	Ethyl-S-dimethylaminoethyl methylphosphonothiolate
51235-04-2	Hexazinone
51338-27-3	Diclofop methyl
51630-58-1	Fenvalerate
52628-25-8	Zinc ammonium chloride
52645-53-1	Permethrin
52652-59-2	Lead stearate dibasic
52740-16-6	Calcium arsenite
52888-80-9	Prosulfocarb
53404-19-6	Bromacil, lithium salt
53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester
53404-60-7	Dazomet, sodium salt
53467-11-1	2,4-D Esters
53469-21-9	Aroclor 1242
53558-25-1	Pyriminil
55285-14-8	Carbosulfan
55290-64-7	Dimethipin
55406-53-6	3-Iodo-2-propynyl n-butylcarbamate

55488-87-4	Ferric ammonium oxalate, unspecified hydrate
56189-09-4	Dibasic lead stearate
57213-69-1	Triclopyr triethylammonium salt
58270-08-9	(trans-4)-Dichloro(4,4-dimethylzinc5((((methylamino) carbony l)oxy)imim o)pentanenitrile)
59669-26-0	Thiodicarb
60168-88-9	Fenarimol
60207-90-1	Propiconazole
61792-07-2	2,4,5-Trichlorophenoxyacetic acid 1-methyl propyl ester
62207-76-5	N,N,-Ethylene bis(3-fluorosalicylideneiminato)cobalt(II)
62476-59-9	Acifluorfen, sodium salt
63938-10-3	Chlorotetrafluoroethane*
64902-72-3	Chlorsulfuron
64969-34-2	3,3,-Dichlorobenzidine sulfate
66441-23-4	Fenoxaprop ethyl
67485-29-4	Hydramethylnon
68085-85-8	Cyhalothrin
68359-37-5	Cyfluthrin
68476-34-6	Diesel/Fuel or #2 heating oil
69409-94-5	Fluvalinate
69806-50-4	Fluazifop butyl
71751-41-2	Abamectin
72178-02-0	Fomesafen
72490-01-8	Fenoxycarb
74051-80-2	Sethoxydim
75790-84-0	4-Methyldiphenylmethane-3,4-diisocyanate
75790-87-3	2,4,-Diisocyanatodiphenyl sulfide
76578-14-8	Quizalofop-ethyl
77501-63-4	Lactofen
82657-04-3	Bifenthrin
88671-89-0	Myclobutanil
90454-18-5	Dichloro-1,1,2-trifluoroethane*
90982-32-4	Chlorimuron ethyl
101200-48-0	Tribenuron methyl
111512-56-2	1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)*
111984-09-9	3,3,-Dimethoxybenzidine hydrochloride
127564-92-5	Dichloropentafluoropropane*

128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)*
134190-37-7	Diethyldiisocyanatobenzene
136013-79-1	1,3-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)*

*In accordance with 7:1E-1.7(b)2, this substance is not considered a hazardous substance for purposes of this chapter.

HISTORY:

Repeal and New Rule, R.1996 d.462, effective October 7, 1996.

See: 28 N.J.R. 2730(a), 28 N.J.R. 4424(b).

Section was "List of Hazardous Substances".

Amended by R.2001 d.355, effective October 1, 2001.

See: 33 N.J.R. 1255(a), 33 N.J.R. 3518(a).

Amended by R.2007 d.93, effective April 2, 2007.

See: 38 N.J.R. 4285(a), 39 N.J.R. 1253(a).

Amended Lists of Hazardous Substances.

New Jersey Department of Environmental Protection

Bureau of Release Prevention

Guidance on Changes to Appendix A Resulting from the Readoption of N.J.A.C. 7:1E

Effective: March 28, 2007

Table of Contents

Introduction

The list of hazardous substances contained in Appendix A of N.J.A.C. 7:1E was revised with the readoption of the rules effective March 28, 2007. These changes reflect the composition of the lists specifically cited in the Spill Compensation and Control Act (N.J.S.A. 58:10-23.11a et seq.) as those lists were constituted on July 1, 2005, for Federal lists, and March 1, 2006, for the State Community Right to Know list, as well as the addition of perchlorates. Revisions made to the entries in Appendix A will be set forth in this document. Every effort has been made to ensure the accuracy of the information in this document. However, if any question remains unanswered, please contact the Bureau of Release Prevention at (609) 6330610.

It should be noted that no de minimis level of concentration as been established for most of the compounds found in Appendix A. If a de minimis does exist, it can be found as part of the listing for the specific chemical. There is a size limitation established for metals in N.J.A.C. 7:1E-1.7(b)1. Pure or alloyed metals with at least one dimensional measurement of 100 micrometers (0.004 inches) or greater are not considered hazardous substances for the purposes of these rules. Also, certain flammable and inert substances, although listed in Appendix A, are not regulated by N.J.A.C. 7:1E.

Deletions

Three entries have been deleted from Appendix A. This list is in alphabetical order. Appendix I contains the deleted substances list in Chemical Abstract Service (CAS) Number order.

Deletions from Appendix A

Name	CAS No.
2,3-Dichloropropanol	616-23-9
Diethylcarbamazine citrate	1642-54-2
Phosmet (concentrations above 20%)	732-11-6

Additions

The following 24 substances and categories have been added to the list of hazardous substances in Appendix A. In some cases, specific substances may have been previously regulated through inclusion in a covered category. This list is alphabetical. Appendix II contains a CAS Number order list of these additions.

Additions to Appendix A

Name	CAS Number
Ammonium perchlorate	7790-98-9
Bis(tributyltin) oxide	56-35-9
Diesel/Fuel or #2 heating oil	68476-34-6
4,6-Dinitro-o-cresol, and salts	534-52-1

F039: Leachate (liquids that have percolated through land disposed ***** waste) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of 40 CFR part 261. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other hazardous wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.)

Gasoline 8006-61-9

K149: Distillation bottoms from the production of alpha- (or methyl-) ***** chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. (This waste does not include still bottoms from the distillation of benzyl chloride.)

K150: Organic residuals, excluding spent carbon adsorbent, from the ***** spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.

K151: Wastewater treatment sludges, excluding neutralization and ***** biological sludges, generated during the treatment of waste-waters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.

K174: Wastewater treatment sludges from the production of ethylene ***** dichloride or vinyl chloride monomer (including sludges that result from commingled ethylene dichloride or vinyl chloride monomer wastewater and other wastewater), unless the sludges meet the following conditions: (i) they are disposed of in a subtitle C or non

Name CAS Number

hazardous landfill licensed or permitted by the state or federal government; (ii) they are not otherwise placed on the land prior to final disposal; and (iii) the generator maintains documentation demonstrating that the waste was either disposed of in an on- site landfill or consigned to a transporter or disposal facility that provided a written commitment to dispose of the waste in an off-site landfill. Respondents in any action brought to enforce the requirements of subtitle C must, upon a showing by the government that the respondent managed wastewater treatment sludges from the production of vinyl chloride monomer or ethylene dichloride, demonstrate that they meet the terms of the exclusion set forth above. In doing so, they must provide appropriate documentation (e.g., contracts between the generator and the landfill owner/operator, invoices documenting delivery of waste to landfill, etc.) that the terms of the exclusion were met.

K175: Wastewater treatment (T) sludges from the production of vinyl ***** chloride monomer using mercuric chloride catalyst in an acetylene-based process.

K176: Baghouse filters from the production of antimony oxide, including ***** filters from the production of intermediates (e.g. antimony metal or crude antimony oxide).

K177: Slag from the production of antimony oxide that is speculatively ***** accumulated or disposed, including slag from the production of intermediates (e.g. antimony metal or crude antimony oxide.

K178: Residues from manufacturing and manufacturing-site storage of ***** ferric chloride from acids formed during the production of titanium dioxide using the chloride ilmenite process.

Kerosene 8008-20-6 Lithium perchlorate 7791-03-9 Motor oil ***** Perchlorate ion 14797-73-0 Petroleum oil/motor oil ***** Picric acid, dry or wetted with less than 30% water by mass 88-89-1 Polychlorinated diphenyl ethers ***** Potassium perchlorate 7778-74-7 Sodium perchlorate 7601-89-0 Used Petroleum oil *****

Revisions to Listings

A number of listings in Appendix A have been revised. The revisions include addition of text, and revisions to CAS Numbers. The following is an alphabetical list of the changes made to listings in Appendix A. Appendix IV contains these revised listings in CAS Number order.

Revised Listings

Name	CAS Number
F001: The following spent halogenated solvents used in degreasing; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the halogenated solvents listed below or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures: (a) tetrachloroethylene; (b) trichloroethylene; (c) methylene chloride; (d) 1,1,1-trichloroethane; (e) carbon tetrachloride; (f) chlorinated fluorocarbons	*****
F002: The following spent halogenated solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the halogenated solvents listed below or those solvents listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures: (a) tetrachloroethylene; (b) methylene chloride; (c) trichloroethylene; (d) 1,1,1-trichloroethane; (e) chlorobenzene; (f) 1,1,2-trichloro-1,2,2-trifluoroethane; (g) o-dichlorobenzene; (h) trichlorofluoromethane; (i) 1,1,2-trichloroethane	*****
F024: Process wastes, including but not limited to, distillation residues, residues, heavy ends, tars, and reactor cleanout wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewater, wastewater treatment sludges, spent catalysts, and wastes listed in 40 CFR 261.31 or 261.32.)	*****
F034: Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	*****

Name CAS Number

F037: Petroleum refinery primary oil/water/solids separation sludge - *****
Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in 40 CFR 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing. This listing does not include residuals generated from processing or recycling oil-bearing hazardous secondary materials excluded under 40 CFR 261.4(a)(12)(i), if those residuals are to be disposed of.

K064: Acid plant blowdown slurry/sludge resulting from the thickening ***** of blowdown slurry from primary copper production.

K083: Distillation bottoms from aniline production. *****

K118: Spent adsorbent solids from purification of ethylene dibromide ***** in the production of ethylene dibromide via bromination of ethene.

K132: Spent absorbent and wastewater separator solids from the ***** production of methyl bromide.

K136: Still bottoms from the purification of ethylene dibromide in the ***** production of ethylene dibromide via bromination of ethene.

K141: Process residues from the recovery of coal tar, including but *****
not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludge from coking operations.)

K144: Wastewater sump residues from light oil refining, including, but *****
not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.

K171: Spent hydrotreating catalyst from petroleum refining operations. ***** (This listing does not include inert support media.)

Appendix I Deleted Substances in CAS Number Order

CAS Number Name

616-23-9 2,3-Dichloropropanol 732-11-6 Phosmet (concentrations above 20%) 1642-54-2 Diethylcarbamazine citrate

Appendix II Additions in CAS
Number Order

CAS No. Name

***** F039: Leachate (liquids that have percolated through land disposed waste) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of 40 CFR part 261. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other hazardous wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.)

***** K149: Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. (This waste does not include still bottoms from the distillation of benzyl chloride.)

***** K150: Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.

***** K151: Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of waste-waters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.

***** K174: Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (including sludges that result from commingled ethylene dichloride or vinyl chloride monomer wastewater and other wastewater), unless the sludges meet the following conditions: (i) they are disposed of in a subtitle C or non- hazardous landfill licensed or permitted by the state or federal government; (ii) they are not otherwise placed on the land prior to final disposal; and (iii) the generator maintains documentation demonstrating that the waste was either disposed of in an on- site landfill or consigned to a transporter or disposal facility that provided a written commitment to dispose of the waste in an off-site landfill. Respondents in any action brought to enforce the requirements of subtitle C must, upon a showing by the government that the respondent managed wastewater treatment sludges from the production of vinyl chloride monomer or ethylene dichloride, demonstrate that they meet the terms of the exclusion set forth above. In doing so, they must provide appropriate documentation (e.g., contracts between the generator and the landfill owner/operator, invoices documenting delivery of waste to landfill, etc.) that the terms of the exclusion were met.

***** K175 Wastewater treatment (T) sludges from the production of vinyl chloride

CAS No. Name

monomer using mercuric chloride catalyst in an acetylene- based process.

***** K176: Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g. antimony metal or crude antimony oxide).

***** K177: Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates
(e.g. antimony metal or crude antimony oxide.

***** K178: Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride ilmenite process.

***** Motor oil ***** Petroleum oil/motor oil ***** Polychlorinated diphenyl ethers ***** Used Petroleum oil

56-35-9 Bis(tributyltin) oxide 88-89-1 Picric acid, dry or wetted with less than 30% water by mass
534-52-1 4,6-Dinitro-o-cresol, and salts
7601-89-0 Sodium perchlorate 7778-74-7 Potassium perchlorate 7790-98-9 Ammonium perchlorate 7791-03-9 Lithium perchlorate
8006-61-9 Gasoline 8008-20-6 Kerosene

14797-73-0 Perchlorate ion 68476-34-6 Diesel/Fuel or #2 heating oil

Appendix III Revised Listings in CAS
Number Order

CAS No. Name

***** F001: The following spent halogenated solvents used in degreasing; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the halogenated solvents listed below or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures: (a) tetrachloroethylene; (b) trichloroethylene; (c) methylene chloride; (d) 1,1,1-trichloroethane;
(e) carbon tetrachloride; (f) chlorinated fluorocarbons

***** F002: The following spent halogenated solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the halogenated solvents listed below or those solvents listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures: (a) tetrachloroethylene; (b) methylene chloride; (c) trichloroethylene; (d) 1,1,1-trichloroethane; (e) chlorobenzene; (f) 1,1,2-trichloro-1,2,2-trifluoroethane; (g) o-dichlorobenzene; (h) trichlorofluoromethane; (i) 1,1,2-trichloroethane

***** F024: Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor cleanout wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. (This listing does not include wastewater, wastewater treatment sludges, spent catalysts, and wastes listed in 40 CFR 261.32.)

***** F034: Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.

***** F037: Petroleum refinery primary oil/water/solids separation sludge - Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in 40 CFR 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in

aggressive biological treatment units) and K051 wastes are not included in this listing. This listing does not include residuals generated from processing or recycling oil-bearing hazardous secondary materials excluded under 40 CFR 261.4(a)(12)(i), if those residuals are to be disposed of**.**

***** K064: Acid plant blowdown slurry/sludge resulting from thickening of the blowdown slurry from primary copper production.

***** K083: Distillation bottoms from aniline production.

***** K118: Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.

***** K132: Spent absorbent and wastewater separator solids from the production of methyl bromide.

***** K136: Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.

***** K141: Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludge from coking operations.)

***** K144: Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.

***** K171: Spent hydrotreating catalyst from petroleum refining operations. (This listing does not include inert support media.)