

Chapter NR 661
APPENDIX VII
BASIS FOR LISTING HAZARDOUS WASTE

| EPA hazardous waste number | Hazardous constituents for which listed |
|----------------------------------|--|
| F001 | Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, chlorinated fluorocarbons |
| F002 | Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane |
| F003 | N.A. |
| F004 | Cresols and cresylic acid, nitrobenzene |
| F005 | Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, 2-ethoxyethanol, benzene, 2-nitropropane |
| F006 | Cadmium, hexavalent chromium, nickel, cyanide (complexed) |
| F007 | Cyanide (salts) |
| F008 | Cyanide (salts) |
| F009 | Cyanide (salts) |
| F010 | Cyanide (salts) |
| F011 | Cyanide (salts) |
| F012 | Cyanide (complexed) |
| F019 | Hexavalent chromium, cyanide (complexed) |
| F020 | Tetra- and pentachlorodibenzo-p-dioxins; tetra- and pentachlorodibenzofurans; tri- and tetrachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts |
| F021 | Penta- and hexachlorodibenzo-p-dioxins; penta- and hexachlorodibenzofurans; pentachlorophenol and its derivatives |
| F022 | Tetra-, penta- and hexachlorodibenzo-p-dioxins; tetra-, penta- and hexachlorodibenzofurans |
| F023 | Tetra- and pentachlorodibenzo-p-dioxins; tetra- and pentachlorodibenzofurans; tri- and tetrachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts |
| F024 | Chloromethane, dichloromethane, trichloromethane, carbon tetrachloride, chloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, trans-1,2-dichloroethylene, 1,1-dichloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethylene, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, tetrachloroethylene, pentachloroethane, hexachloroethane, allyl chloride (3-chloropropene), dichloropropane, dichloropropene, 2-chloro-1,3-butadiene, hexachloro-1,3-butadiene, hexachlorocyclopentadiene, hexachlorocyclohexane, benzene, chlorobenzene, dichlorobenzenes, 1,2,4-trichlorobenzene, tetrachlorobenzene, pentachlorobenzene, hexachlorobenzene, toluene, naphthalene |
| F025 | Chloromethane; Dichloromethane; Trichloromethane; Carbon tetrachloride; Chloroethylene; 1,1-Dichloroethane; 1,2-Dichloroethane; trans-1,2-Dichloroethylene; 1,1-Dichloroethylene; 1,1,1-Trichloroethane; 1,1,2-Trichloroethane; Trichloroethylene; 1,1,1,2-Tetrachloroethane; 1,1,2,2-Tetrachloroethane; Tetrachloroethylene; Pentachloroethane; Hexachloroethane; Allyl chloride (3-Chloropropene); Dichloropropane; Dichloropropene; 2-Chloro-1,3-butadiene; Hexachloro-1,3-butadiene; Hexachlorocyclopentadiene; Benzene; Chlorobenzene; Dichlorobenzene; 1,2,4-Trichlorobenzene; Tetrachlorobenzene; Pentachlorobenzene; Hexachlorobenzene; Toluene; Naphthalene |
| F026 | Tetra-, penta- and hexachlorodibenzo-p-dioxins; tetra-, penta- and hexachlorodibenzofurans |
| F027 | Tetra-, penta- and hexachlorodibenzo-p-dioxins; tetra-, penta- and hexachlorodibenzofurans; tri-, tetra- and pentachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts |
| F028 | Tetra-, penta- and hexachlorodibenzo-p-dioxins; tetra-, penta- and hexachlorodibenzofurans; tri-, tetra- and pentachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts |
| F032 | Benz(a)anthracene, benzo(a)pyrene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, pentachlorophenol, arsenic, chromium; tetra-, penta-, hexa- and heptachlorodibenzo-p-dioxins; tetra-, penta-, hexa- and heptachlorodibenzofurans |
| F034 | Benz(a)anthracene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, naphthalene, arsenic, chromium |

| EPA hazardous waste number | Hazardous constituents for which listed |
|----------------------------|---|
| F035 | Arsenic, chromium, lead |
| F037 | Benzene, benzo(a)pyrene, chrysene, lead, chromium |
| F038 | Benzene, benzo(a)pyrene chrysene, lead, chromium |
| F039 | All constituents for which treatment standards are specified for multi-source leachate (wastewaters and non-wastewaters) under s. NR 668.43(1), Table CCW |
| K001 | Pentachlorophenol, phenol, 2-chlorophenol, p-chloro-m-cresol, 2,4-dimethylphenyl, 2,4-dinitrophenol, trichlorophenols, tetrachlorophenols, 2,4-dinitrophenol, creosote, chrysene, naphthalene, fluoranthene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, benz(a)anthracene, dibenz(a)anthracene, acenaphthalene |
| K002 | Hexavalent chromium, lead |
| K003 | Hexavalent chromium, lead |
| K004 | Hexavalent chromium |
| K005 | Hexavalent chromium, lead |
| K006 | Hexavalent chromium |
| K007 | Cyanide (complexed), hexavalent chromium |
| K008 | Hexavalent chromium |
| K009 | Chloroform, formaldehyde, methylene chloride, methyl chloride, paraldehyde, formic acid |
| K010 | Chloroform, formaldehyde, methylene chloride, methyl chloride, paraldehyde, formic acid, chloroacetaldehyde |
| K011 | Acrylonitrile, acetonitrile, hydrocyanic acid |
| K013 | Hydrocyanic acid, acrylonitrile, acetonitrile |
| K014 | Acetonitrile, acrylamide |
| K015 | Benzyl chloride, chlorobenzene, toluene, benzotrichloride |
| K016 | Hexachlorobenzene, hexachlorobutadiene, carbon tetrachloride, hexachloroethane, perchloroethylene |
| K017 | Epichlorohydrin, chloroethers [bis(chloromethyl) ether and bis(2-chloroethyl) ethers], trichloropropane, dichloropropanols |
| K018 | 1,2-Dichloroethane, trichloroethylene, hexachlorobutadiene, hexachlorobenzene |
| K019 | Ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloroethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane), trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride |
| K020 | Ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloroethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane), trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride |
| K021 | Antimony, carbon tetrachloride, chloroform |
| K022 | Phenol, tars (polycyclic aromatic hydrocarbons) |
| K023 | Phthalic anhydride, maleic anhydride |
| K024 | Phthalic anhydride, 1,4-naphthoquinone |
| K025 | meta-Dinitrobenzene, 2,4-dinitrotoluene |
| K026 | Paraldehyde, pyridines, 2-picoline |
| K027 | Toluene diisocyanate, toluene-2,4-diamine |
| K028 | 1,1,1-Trichloroethane, vinyl chloride |
| K029 | 1,2-Dichloroethane, 1,1,1-trichloroethane, vinyl chloride, vinylidene chloride, chloroform |
| K030 | Hexachlorobenzene, hexachlorobutadiene, hexachloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, ethylene dichloride |
| K031 | Arsenic |
| K032 | Hexachlorocyclopentadiene |
| K033 | Hexachlorocyclopentadiene |
| K034 | Hexachlorocyclopentadiene |
| K035 | Creosote, chrysene, naphthalene, fluoranthene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, benz(a)anthracene, dibenzo(a)anthracene, acenaphthalene |
| K036 | Toluene, phosphorodithioic and phosphorothioic acid esters |
| K037 | Toluene, phosphorodithioic and phosphorothioic acid esters |
| K038 | Phorate, formaldehyde, phosphorodithioic and phosphorothioic acid esters |
| K039 | Phosphorodithioic and phosphorothioic acid esters |
| K040 | Phorate, formaldehyde, phosphorodithioic and phosphorothioic acid esters |

| EPA hazardous waste number | Hazardous constituents for which listed |
|----------------------------|---|
| K041 | Toxaphene |
| K042 | Hexachlorobenzene, ortho-dichlorobenzene |
| K043 | 2,4-Dichlorophenol, 2,6-dichlorophenol, 2,4,6-trichlorophenol |
| K044 | N.A. |
| K045 | N.A. |
| K046 | Lead |
| K047 | N.A. |
| K048 | Hexavalent chromium, lead |
| K049 | Hexavalent chromium, lead |
| K050 | Hexavalent chromium |
| K051 | Hexavalent chromium, lead |
| K052 | Lead |
| K060 | Cyanide, naphthalene, phenolic compounds, arsenic |
| K061 | Hexavalent chromium, lead, cadmium |
| K062 | Hexavalent chromium, lead |
| K069 | Hexavalent chromium, lead, cadmium |
| K071 | Mercury |
| K073 | Chloroform, carbon tetrachloride, hexachloroethane, trichloroethane, tetrachloroethylene, dichloroethylene, 1,1,2,2-tetrachloroethane |
| K083 | Aniline, diphenylamine, nitrobenzene, phenylenediamine |
| K084 | Arsenic |
| K085 | Benzene, dichlorobenzenes, trichlorobenzenes, tetrachlorobenzenes, pentachlorobenzene, hexachlorobenzene, benzyl chloride |
| K086 | Lead, hexavalent chromium |
| K087 | Phenol, naphthalene |
| K088 | Cyanide (complexes) |
| K093 | Phthalic anhydride, maleic anhydride |
| K094 | Phthalic anhydride |
| K095 | 1,1,2-Trichloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane |
| K096 | 1,2-Dichloroethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane |
| K097 | Chlordane, heptachlor |
| K098 | Toxaphene |
| K099 | 2,4-Dichlorophenol, 2,4,6-trichlorophenol |
| K100 | Hexavalent chromium, lead, cadmium |
| K101 | Arsenic |
| K102 | Arsenic |
| K103 | Aniline, nitrobenzene, phenylenediamine |
| K104 | Aniline, benzene, diphenylamine, nitrobenzene, phenylenediamine |
| K105 | Benzene, monochlorobenzene, dichlorobenzenes, 2,4,6-trichlorophenol |
| K106 | Mercury |
| K107 | 1,1-Dimethylhydrazine (UDMH) |
| K108 | 1,1-Dimethylhydrazine (UDMH) |
| K109 | 1,1-Dimethylhydrazine (UDMH) |
| K110 | 1,1-Dimethylhydrazine (UDMH) |
| K111 | 2,4-Dinitrotoluene |
| K112 | 2,4-Toluenediamine, o-toluidine, p-toluidine, aniline |
| K113 | 2,4-Toluenediamine, o-toluidine, p-toluidine, aniline |
| K114 | 2,4-Toluenediamine, o-toluidine, p-toluidine |
| K115 | 2,4-Toluenediamine |

| EPA hazardous waste number | Hazardous constituents for which listed |
|----------------------------|---|
| K116 | Carbon tetrachloride, tetrachloroethylene, chloroform, phosgene |
| K117 | Ethylene dibromide |
| K118 | Ethylene dibromide |
| K123 | Ethylene thiourea |
| K124 | Ethylene thiourea |
| K125 | Ethylene thiourea |
| K126 | Ethylene thiourea |
| K131 | Dimethyl sulfate, methyl bromide |
| K132 | Methyl bromide |
| K136 | Ethylene dibromide |
| K141 | Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene |
| K142 | Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene |
| K143 | Benzene, benz(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene |
| K144 | Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene |
| K145 | Benzene, benz(a)anthracene, benzo(a)pyrene, dibenz(a,h)anthracene, naphthalene |
| K147 | Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene |
| K148 | Benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene |
| K149 | Benzotrichloride, benzyl chloride, chloroform, chloromethane, chlorobenzene, 1,4-dichlorobenzene, hexachlorobenzene, pentachlorobenzene, 1,2,4,5-tetrachlorobenzene, toluene |
| K150 | Carbon tetrachloride, chloroform, chloromethane, 1,4-dichlorobenzene, hexachlorobenzene, pentachlorobenzene, 1,2,4,5-tetrachlorobenzene, 1,1,2,2-tetrachloroethane, tetrachloroethylene, 1,2,4-trichlorobenzene |
| K151 | Benzene, carbon tetrachloride, chloroform, hexachlorobenzene, pentachlorobenzene, toluene, 1,2,4,5-tetrachlorobenzene, tetrachloroethylene |
| K156 | Benomyl, carbaryl, carbendazim, carbofuran, carbosulfan, formaldehyde, methylene chloride, triethylamine |
| K157 | Carbon tetrachloride, formaldehyde, methyl chloride, methylene chloride, pyridine, triethylamine |
| K158 | Benomyl, carbendazim, carbofuran, carbosulfan, chloroform, methylene chloride |
| K159 | Benzene, butylate, eptc, molinate, pebulate, vernolate |
| K161 | Antimony, arsenic, metam-sodium, ziram |
| K169 | Benzene |
| K170 | Benzo(a)pyrene, dibenz(a,h)anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, 3-methylcholanthrene, 7,12-dimethylbenz(a)anthracene |
| K171 | Benzene, arsenic |
| K172 | Benzene, arsenic |
| K174 | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD), 1,2,3,4,6,7,8- Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF), 1,2,3,4,7,8,9- Heptachlorodibenzofuran (1,2,3,6,7,8,9-HpCDF), HxCDDs (All Hexachlorodibenzo-p-dioxins), HxCDFs (All Hexachlorodibenzofurans), PeCDDs (All Pentachlorodibenzo-p-dioxins), OCDD (1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin), OCDF (1,2,3,4,6,7,8,9-Octachlorodibenzofuran), PeCDFs (All Pentachlorodibenzofurans), TCDDs (All Tetrachlorodibenzo-p-dioxins), TCDFs (All Tetrachlorodibenzofurans) |
| K175 | Mercury |
| K176 | Arsenic, lead |
| K177 | Antimony |
| K178 | Thallium |

N.A. – Waste is hazardous because it fails the test for the characteristic of ignitability, corrosivity or reactivity.