

Listed Waste Codes

K – Code Wastes Adapted from 40 CFR §261.31

Hazardous wastes from non-specific sources

The following solid wastes are listed hazardous wastes from specific sources unless they are excluded under §§260.20 and 260.22 and listed in appendix IX.

Industry and EPA hazardous Waste No.	Hazardous waste	Hazard code
---	-----------------	-------------

Wood preservation:

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

Inorganic pigments:

K002..... Wastewater treatment (T)
sludge from the production of chrome yellow and orange pigments.

K003..... Wastewater treatment (T)
sludge from the production of molybdate orange pigments.

K004..... Wastewater treatment (T)
sludge from the production of zinc yellow pigments.

K005..... Wastewater treatment (T)
sludge from the production of chrome green pigments.

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

K007..... Wastewater treatment (T)
sludge from the production of iron blue pigments.

K008..... Oven residue from the (T)
production of chrome oxide green pigments.

Organic chemicals:

K009..... Distillation bottoms from (T)
the production of acetaldehyde from ethylene.

K010..... Distillation side cuts (T)
from the production of acetaldehyde from ethylene.

K011..... Bottom stream from the (R, T)
wastewater stripper in the production of acrylonitrile.

K013..... Bottom stream from the (R, T)
acetonitrile column in the production of acrylonitrile.

Listed Waste Codes

K – Code Wastes Adapted from 40 CFR §261.31

Hazardous wastes from non-specific sources

Industry and EPA Hazardous Waste No.	Hazardous waste	Hazard code
K014	Bottoms from the Acetonitrile purification column in the production of acrylonitrile.	(T)
K015	Still bottoms from the distillation of benzyl chloride.	(T)
K016	Heavy ends or distillation residues from the production of carbon tetrachloride.	(T)
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.	(T)
K018	Heavy ends from the fractionation column in ethyl chloride production.	(T)
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.	(T)
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.	(T)
K021	Aqueous spent antimony catalyst waste from fluoromethanes production.	(T)
K022	Distillation bottom tars from the production of phenol/acetone from cumene.	(T)
K023	Distillation light ends from the production of phthalic anhydride from naphthalene.	(T)
K024	Distillation bottoms from The production of phthalic anhydride from naphthalene.	(T)
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.	(T)
K026	Stripping still tails from the production of methy ethyl pyridines.	(T)
K027	Centrifuge and distillation residues from toluene diisocyanate production.	(R, T)
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.	(T)
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.	(T)

Listed Waste Codes

K – Code Wastes Adapted from 40 CFR §261.31

Hazardous wastes from non-specific sources

Industry and EPA Hazardous Waste No.	Hazardous waste	Hazard code
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.	(T)
K083	Distillation bottoms from aniline production.	(T)
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes.	(T)
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene.	(T)
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene.	(T)
K095	Distillation bottoms from the production of 1,1,1-trichloroethane.	(T)
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.	(T)
K103	Process residues from aniline extraction from the production of aniline.	(T)
K104	Combined wastewater streams generated from nitrobenzene/aniline production.	(T)
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.	(T)
K107	Column bottoms from product separation from the production of 1,1-dimethyl-hydrazine (UDMH) from carboxylic acid hydrazines.	(C,T)
K108	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(I,T)
K109	Spent filter cartridges from product purification from the reduction of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(T)
K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(T)
K111	Product washwaters from the production of dinitrotoluene via nitration of toluene.	(C,T)

Listed Waste Codes

K – Code Wastes Adapted from 40 CFR §261.31

Hazardous wastes from non-specific sources

Industry and EPA Hazardous Waste No.	Hazardous waste	Hazard code
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K113	Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K114	Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K115	Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.	(T)
K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.	(T)
K118	Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	(T)
K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	(T)
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.).	(T)
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.	(T)
K151	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha- (or methyl-)chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	(T)

Listed Waste Codes

K – Code Wastes Adapted from 40 CFR §261.31

Hazardous wastes from non-specific sources

Industry and EPA Hazardous Waste No.	Hazardous waste	Hazard code
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.).	(T)
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.).	(T)
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.).	(T)
K159	Organics from the treatment of thiocarbamate wastes.	(T)
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.).	(R,T)
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 sudes 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 witten 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.	(T)
K175	Wastewater treatment sludges from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process.	(T)

Listed Waste Codes

K – Code Wastes Adapted from 40 CFR §261.31

Hazardous wastes from non-specific sources

Industry and EPA Hazardous Waste No.	Hazardous waste	Hazard code
<u>Inorganic chemicals:</u>		
K071	Brine purification mud from the mercury cell process in chlorine production, where separately prepurified brine is not used.	(T)
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.	(T)
K106	Wastewater treatment sludge from the mercury cell process in chlorine production.	(T)
K176	Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g., antimony metal or crude antimony oxide).	(E)
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).	(T)
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.	(T)
<u>Pesticides:</u>		
K031	By-product salts generated in the production of MSMA and cacodylic acid.	(T)
K032	Wastewater treatment sludge from the production of chlordane.	(T)
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.	(T)
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.	(T)
K035	Wastewater treatment sludges generated in the production of creosote.	(T)
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton.	(T)

Listed Waste Codes

K – Code Wastes Adapted from 40 CFR §261.31

Hazardous wastes from non-specific sources

Industry and EPA Hazardous Waste No.	Hazardous waste	Hazard code
K037	Wastewater treatment sludges from the production of disulfoton.	(T)
K038	Wastewater from the washing and stripping of phorate production.	(T)
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.	(T)
K040	Wastewater treatment sludge from the production of phorate.	(T)
K041	Wastewater treatment sludge from the production of toxaphene.	(T)
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.	(T)
K043	2,6-Dichlorophenol waste from the production of 2,4-D.	(T)
K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.	(T)
K098	Untreated process wastewater from the production of toxaphene.	(T)
K099	Untreated wastewater from the production of 2,4-D.	(T)
K123	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salt.	(T)
K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.	(C, T)
K125	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.	(T)
K126	Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.	(T)
K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.	(C, T)

Listed Waste Codes

K – Code Wastes Adapted from 40 CFR §261.31

Hazardous wastes from non-specific sources

Industry and EPA Hazardous waste No.	Hazardous waste	Hazard code
K132	Spent absorbent and wastewater separator solids from the production of methyl bromide.	(T)
<u>Explosives:</u>		
K044	Wastewater treatment sludges from the manufacturing and processing of explosives.	(R)
K045	Spent carbon from the treatment of wastewater containing explosives.	(R)
K046	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.	(T)
K047	Pink/red water from TNT operations.	(R)
<u>Petroleum refining:</u>		
K048	Dissolved air flotation (DAF) float from the petroleum refining industry.	(T)
K049	Slop oil emulsion solids from the petroleum refining industry.	(T)
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.	(T)
K051	API separator sludge from the petroleum refining industry.	(T)
K052	Tank bottoms (leaded) from the petroleum refining industry.	(T)
K169	Crude oil storage tank sediment from petroleum refining operations.	(T)
K170	Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.	(T)
K171	Spent Hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media).	(I,T)
K172	Spent Hydrorefining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media).	(I,T)

Listed Waste Codes

K – Code Wastes Adapted from 40 CFR §261.31

Hazardous wastes from non-specific sources

Industry and EPA Hazardous waste No.	Hazardous waste	Hazard code
<u>Iron and steel:</u>		
K061	Emission control dust/sludge from the primary production of steel in electric furnaces.	(T)
K062	Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry SIC Codes 331 and 332).	(C,T)
Primary copper:		
Primary lead:		
Primary zinc:		
Primary aluminum:		
K088	Spent potliners from primary aluminum reduction.	(T)
Ferroalloys:		
<u>Secondary lead:</u>		
K069	Emission control dust/sludge from secondary lead smelting. (Note: This listing is stayed administratively for sludge generated from secondary acid scrubber systems. The stay will remain in effect until further administrative action is taken. If EPA takes further action effecting this stay, EPA will publish a notice of the action in the Federal Register.	(T)
K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.	(T)
<u>Veterinary pharmaceuticals:</u>		
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	(T)
K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	(T)
K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	(T)

Listed Waste Codes

K – Code Wastes Adapted from 40 CFR §261.31

Hazardous wastes from non-specific sources

Industry and EPA Hazardous Waste No.	Hazardous waste	Hazard code
---	-----------------	-------------

Ink formulation:

K086..... Solvent washes and (T)
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.

Coking:

K060..... Ammonia still lime sludge (T)
from coking operations.

K087..... Decanter tank tar sludge (T)
from coking operations.

K141..... Process residues from the (T)
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 sludges from coking operations).

K142..... Tar storage tank residues (T)
from the production of coke from coal or from the recovery of coke by-
products produced from coal.

K143..... Process residues from the (T)
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 (T)
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 (T)
collection and recovery operations from the recovery of coke by-
products produced from coal.

K147..... Tar storage tank residues (T)
from coal tar refining.

K148..... Residues from coal tar (T)
distillation, including but not limited to, still bottoms.

[46 FR 4618, Jan. 16, 1981]

Editorial Note: For FEDERAL REGISTER citations affecting §261.32, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.