

Hazardous Waste From Specific Sources ("K" list)

Wood Preservation

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

Inorganic Pigments

K002(T) Wastewater treatment sludge from the production of chrome yellow and orange pigments.
K003(T) Wastewater treatment sludge from the production of molybdate orange pigments.
K004(T) Wastewater treatment sludge from the production of zinc yellow pigments.
K005(T) Wastewater treatment sludge from the production of chrome green pigments.
K006(T) Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).
K007(T) Wastewater treatment sludge from the production of iron blue pigments.
K008(T) Oven residues from the production of chrome oxide green pigments.

Organic Chemicals

K009(T) Distillation bottoms from the production of acetaldehyde from ethylene.
K010(T) Distillation side cuts from the production of acetaldehyde from ethylene.
K011(R,T) Bottom stream from the wastewater stripper in the production of acrylonitrile.
K013(R,T) Bottom stream from the acrylonitrile column in the production of acrylonitrile.
K014(T) Bottoms from the acetonitrile purification column in the production of acrylonitrile.
K015(T) Still bottoms from the distillation of benzyl chloride.
K016(T) Heavy ends or distillation residues from the production of carbon tetrachloride.
K017(T) Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.
K018(T) Heavy ends from the fractionation column in ethyl chloride production.
K019(T) Heavy ends from the distillation of ethylene dichloride production.
K020(T) Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.
K021(T) Aqueous spent antimony catalyst waste from fluouromethanes production
K022(T) Distillation bottom tars from the production of phenol/acetone from cumene.
K023(T) Distillation light ends from the production of phthalic anhydride from naphthalene.
K024(T) Distillation bottoms from the production of phthalic anhydride from naphthalene.
K025(T) Distillation bottoms from the production of nitrobenzene by the nitration of benzene.
K026(T) Stripping still tails from the production of methyl ethyl pyridines.
K027(R,T) Centrifuge and distillation residues from toluene diisocyanate production.
K028(T) Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.
K029(T) Waste from the product steam stripper in the production of 1,1,1-trichloroethane.
K030(T) Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.

K083(T) Distillation bottoms from aniline production.
K085(T) Distillation or fractionation column bottoms from the production of chlorobenzenes.
K093(T) Distillation light ends from the production of phthalic anhydride from ortho-xylene.
K094(T) Distillation bottoms from the production of phthalic anhydride from ortho-xylene.
K095(T) Distillation bottoms from the produciton of 1,1,1-trichloroethane.
K103(T) Process residues from aniline extraction from the production of aniline.
K104(T) Combined wastewater streams from generated from nitrobenzene/aniline production.
K105(T) Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.
K107(C,T) Column bottoms from product separation from the production of 1,1-dimethyl-hydrazine (UDMH) from carboxylic acid hydrazines.

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Organic Chemicals (continued)

- K108(I,T) Condensed column overheads from product separation and condensed reactor vent gases for the production of UDMH from carboxylic acid hydrazides.
- K109(T) Spent filter cartridges from the product purification from the production of UDMH from carboxylic acid hydrazides.
K110(T) Condensed column overheads from intermediate separation from the production of UDMH from carboxylic acid hydrazides.
- K111(C,T) Product washwaters from the production of dinitrotoluene via nitration of toluene.
- K112(T) Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.
- K113(T) Condensed liquid light ends from the purification of toluenediamine via hydrogenation of dinitrotoluene.
- K114(T) Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.
- K115(T) Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.
- K116(T) Organic condensate from the solvent recovery in the production of toluene diisocyanate via phosgenation of toluenediamine.
- K117(T) Wastewater from reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethylene.
- K118(T) Spent adsorbent solids from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethylene.
- K136(T) Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethylene.
- K149(T) Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzyl chlorides, and compounds with mixtures of these functional groups. (This waste does not include still bottoms from the distillation of benzyl chloride.)
- K150(T) 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, benzyl chlorides, and compounds with mixtures of these functional groups.
- K151(T) 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, benzyl chlorides, and compounds with mixtures of these functional groups.

Inorganic Chemicals

- K071(T) Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.
- K073(T) Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.
- K106(T) Wastewater treatment sludge from the mercury cell process in chlorine production.

Pesticides

- K031(T) By-product salts generated in the production of Methanearsonic Acid (MSMA) in the production of chlordane.
- K034(T) Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.
- K035(T) Wastewater treatment sludges generated in the production of creosote.
- K036(T) Still bottoms from toluene reclamation distillation in the production of disulfoton.
- K037(T) Wastewater treatment sludges from the production of disulfoton
- K038(T) Wastewater from the washing and stripping of phorate production.
- K039(T) Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.

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Pesticides (continued)

- K040(T) Wastewater treatment sludge from the production of phorate.
K041(T) Wastewater treatment sludge from the production of toxaphene.
K042(T) Heavy ends of distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.
K043(T) 2,6-Dichlorophenol waste from the production of 2,4-D.
K097(T) Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.
K098(T) Untreated process wastewater from the production of toxaphene.
K099(T) Untreated wastewater from the production of 2,4-D.
K123(T) Process wastewater (including supermates, filtrates, and washwaters) from the production of ethylebisdithiocarbamic acid and its salt.
K124(C,T) Reactor vent scrubber water from the production of ethylebisdithiocarbamic acid and its salts.
K125(T) Filtration, evaporation, and centrifugation solids from the production of ethylebisdithiocarbamic acid and its salts.
K126(T) Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylebisdithiocarbamic acid and its salts.
K131(C,T) Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.
K132(T) Spent absorbent and wastewater separator solids from the production of methyl bromide.

Explosives

- K044(R) Wastewater treatment sludges from the manufacturing and processing of explosives.
K045(R) Spent carbon from the treatment of wastewater containing explosives.
K046(T) Wastewater treatment sludges from the manufacturing, formulation, and loading of lead-based initiating compounds.
K047(R) Pink/red water from trinitrotoluene (TNT) operations.

Petroleum refining

- K048(T) DAF float from the petroleum industry.
K049(T) Slop oil emulsion solids from the petroleum refining industry.
K050(T) Heat exchanger bundle cleaning sludge from the petroleum refining industry.
K051(T) American Petroleum Institute (API) separator sludge from the petroleum refining industry.
K052(T) Tank bottoms (leaded) from the petroleum refining industry.

Iron and Steel

- K061(T) Emission control dust/sludge from the primary production of steel in electric furnaces.
K062(C,T) Spent pickle liquor generated by steel finishing operations from facilities within the iron and steel industry (Standard Industrial Classification (SIC) codes 331 and 332).

Primary Copper

- K064(T) Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production.

Primary Lead

- K065(T) Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.

Primary Zinc

- K066(T) Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.

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Primary Aluminum

K088(T) Spent potliners from primary aluminum reduction.

Ferroalloys

K090(T) Emission control dust or sludge from ferrochromiumsilicon production.

K091(T) Emission control dust or sludge from ferrochromium production.

Secondary Lead

K069(T) 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 affecting this stay, EPA will publish a notice of the action in the *Federal Register*.)

K100(T) Waste leaching solution from acid leaching of emission control dust sludge from secondary lead smelting.

Veterinary Pharmaceuticals

K084(T) Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.

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

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

Ink Formulation

K086(T) 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.

Coking

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

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

K141(T) 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 byproducts produced from coal. This listing does not include K087 (decanter tank tar sludges from coking operations).

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

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

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

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

Key: (T) = toxic; (C) = corrosive; (R) = reactive.