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.

<table>
<thead>
<tr>
<th>Hazardous waste No.</th>
<th>Hazardous waste</th>
<th>Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>K001</td>
<td>Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.</td>
<td>(T)</td>
</tr>
<tr>
<td>K002</td>
<td>Wastewater treatment sludge from the production of chrome yellow and orange pigments.</td>
<td>(T)</td>
</tr>
<tr>
<td>K003</td>
<td>Wastewater treatment sludge from the production of molybdate orange pigments.</td>
<td>(T)</td>
</tr>
<tr>
<td>K004</td>
<td>Wastewater treatment sludge from the production of zinc yellow pigments.</td>
<td>(T)</td>
</tr>
<tr>
<td>K005</td>
<td>Wastewater treatment sludge from the production of chrome green pigments.</td>
<td>(T)</td>
</tr>
<tr>
<td>K006</td>
<td>Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).</td>
<td>(T)</td>
</tr>
<tr>
<td>K007</td>
<td>Wastewater treatment sludge from the production of iron blue pigments.</td>
<td>(T)</td>
</tr>
<tr>
<td>K008</td>
<td>Oven residue from the production of chrome oxide green pigments.</td>
<td>(T)</td>
</tr>
<tr>
<td>K009</td>
<td>Distillation bottoms from the production of acetaldehyde from ethylene.</td>
<td>(T)</td>
</tr>
<tr>
<td>K010</td>
<td>Distillation side cuts from the production of</td>
<td>(T)</td>
</tr>
<tr>
<td>K011</td>
<td>Bottom stream from the wastewater stripper in the production of acrylonitrile.</td>
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<tr>
<td>------</td>
<td>-------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>K013</td>
<td>Bottom stream from the acetonitrile column in the production of acrylonitrile.</td>
<td></td>
</tr>
<tr>
<td>K014</td>
<td>Bottoms from the acetonitrile purification column in the production of acrylonitrile.</td>
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</tr>
<tr>
<td>K015</td>
<td>Still bottoms from the distillation of benzyl chloride.</td>
<td></td>
</tr>
<tr>
<td>K016</td>
<td>Heavy ends or distillation residues from the production of carbon tetrachloride.</td>
<td></td>
</tr>
<tr>
<td>K017</td>
<td>Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.</td>
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</tr>
<tr>
<td>K018</td>
<td>Heavy ends from the fractionation column in ethyl chloride production.</td>
<td></td>
</tr>
<tr>
<td>K019</td>
<td>Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.</td>
<td></td>
</tr>
<tr>
<td>K020</td>
<td>Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.</td>
<td></td>
</tr>
<tr>
<td>K021</td>
<td>Aqueous spent antimony catalyst waste from fluoromethanes production.</td>
<td></td>
</tr>
<tr>
<td>K022</td>
<td>Distillation bottom tars from the production of phenol/acetone from cumene.</td>
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</tr>
<tr>
<td>K023</td>
<td>Distillation light ends from the production of phthalic anhydride from naphthalene.</td>
<td></td>
</tr>
<tr>
<td>K024</td>
<td>Distillation bottoms from the production of phthalic anhydride from naphthalene.</td>
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</tr>
<tr>
<td>K025</td>
<td>Distillation bottoms from</td>
<td></td>
</tr>
</tbody>
</table>
the production of nitrobenzene by the nitration of benzene.

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)

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
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 production 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)

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 dinitrotoluene. (T)
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
dibromide via
bromination of ethene.

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

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

**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 wastewaters 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 car bamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-buty lcarbamate.).

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-buty lcarbamate.).

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-buty lcarbamate.).

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.).

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 sludges from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process.

Inorganic chemicals:

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.

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

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.

Pesticides:

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)

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. (T)
production of chlordane.

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)

K132......................... Spent absorbent and wastewater separator solids from the production of methyl bromide. (T)

Explosives:

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 (R)
Petroleum refining:

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)

Iron and steel:

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:
Secondary lead:
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)
Veterinary pharmaceuticals:
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)
Ink formulation:
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.

Coking:

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

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

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 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 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 collection and recovery operations from the recovery of coke by-products produced from coal.

K147.......................... Tar storage tank residues (T)
K148........................ Residues from coal tar (T)
distillation, including
but not limited to,
still bottoms.

[46 FR 4618, Jan. 16, 1981]