CHAPTER Env-Hw 400 IDENTIFICATION AND LISTING OF HAZARDOUS WASTES

REVISION NOTE:

Document #9367, effective 1-28-09, readopted with amendments and redesignated the former Chapter Env-Wm 400 as Env-Hw 400. The redesignation from subtitle Env-Wm to Env-Hw was done pursuant to a rules reorganization plan for Department rules approved by the Director of the Office of Legislative Services on 9-7-05. Document #9367 replaces all prior filings for hazardous waste rules formerly in Chapter Env-Wm 400. The numerals of the rules remained unchanged, and the source note information for the rules under Document #9367 refer to those same numbers under the subtitle Env-Wm.

PART Env-Hw 401 PURPOSE, APPLICABILITY, EXEMPTIONS, AND METHODS

Env-Hw 401.01 Purpose. The purpose of Env-Hw 400 is to identify those wastes which are subject to regulation as hazardous wastes.

Source. #5886, eff 8-26-94; ss by #6384-B, eff 11-26-96; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 401.02 Applicability.

(a) A waste that is not exempted from regulation under Env-Hw 401.03 shall become a hazardous waste when any of the following events occur:

(1) In the case of a waste listed in Env-Hw 402, when the waste first meets the listing description set forth in Env-Hw 402;

(2) In the case of a mixture of any waste with one or more listed hazardous wastes, when the hazardous waste listed in Env-Hw 402 is first added to the mixture; and

(3) In the case of any other waste or waste mixture, when the waste or waste mixture exhibits any of the characteristics identified in Env-Hw 403 or by the department in accordance with Env-Hw 405.03.

(b) A hazardous waste shall remain a hazardous waste unless and until it meets the following criteria:

(1) In the case of any waste, if the waste does not exhibit any of the characteristics of hazardous waste identified in Env-Hw 403;

(2) In the case of a federally listed waste or a waste which contains or is derived from a federally listed waste, if the EPA has excluded the waste in accordance with 40 CFR 260.22 and the department has delisted the waste under Env-Hw 406; and

(3) In the case of a New Hampshire-listed waste under Env-Hw 402.04(c), Env-Hw 402.05(c), Env-Hw 402.06(c) or Env-Hw 402.07(b) if the department has delisted the waste under Env-Hw 406.

(c) For the purposes of (b)(2) above, "federally listed wastes" means those wastes listed under Env-Hw 402.04(b), Env-Hw 402.05(b), Env-Hw 402.06(a) and Env-Hw 402.07(a).

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #6384-B, eff 11-26-96; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 401.03 Exemptions.

(a) The following materials shall not be considered hazardous wastes under the hazardous waste rules, subject to any conditions noted:

(1) Domestic sewage;

(2) Wastewater discharges in compliance with applicable New Hampshire and federal permits;

(3) Irrigation return waters;

(4) Source, special nuclear, or nuclear by-product material as defined by the Atomic Energy Act of 1954 as amended, 42 USC 2011 et seq.;

(5) Material subjected to in-situ mining techniques which are not removed from the ground as part of the extraction process;

(6) Pulping liquors, that is black liquors, that are reclaimed in a pulping liquor recovery furnace and then reused in the pulping process, unless it is accumulated speculatively as defined in Env-Hw 811.01;

(7) Spent sulfuric acid used to produce virgin sulfuric acid, unless it is accumulated speculatively as defined in Env-Hw 811.01;

(8) Secondary materials, as defined in Env-Hw 104, provided:

a. Only tank storage is involved and the entire process through completion of reclamation is closed by being entirely connected with pipes or other comparable enclosed means of conveyance;

b. Reclamation does not involve controlled flame combustion such as occurs in boilers, industrial furnaces, or incinerators;

c. The secondary materials are never accumulated in such tanks for over 12 months without being reclaimed; and

d. The reclaimed material is not used to produce a fuel, or used to produce products that are used in a manner constituting disposal;

(9) Excluded scrap metal, as defined in Env-Hw 103, being recycled; and

(10) Shredded circuit boards being recycled provided that they are:

a. Stored in containers sufficient to prevent a release to the environment prior to recovery; and

b. Free of mercury switches, mercury relays and nickel-cadmium batteries and lithium batteries.

(b) The following materials shall be exempt from regulation under the hazardous waste rules, subject to any conditions noted:

(1) Household wastes, including household wastes treated or recovered, sanitary wastes from septic tanks, and sanitary wastes, except that household hazardous wastes collected as part of a household hazardous waste collection project, including curbside collection or accumulation at a solid waste facility regulated under RSA 149-M or at a commercial facility, shall be managed in accordance with Env-Hw 500;

(2) Agricultural wastes that are returned to the soil as fertilizers for growing agricultural crops and raising animals;

(3) Mining overburden returned to the mine site;

(4) Fly ash waste, bottom ash waste, slag waste, and flue gas emission control waste generated primarily from the combustion of coal or fossil fuels;

(5) Wastes which fail the test for the toxicity characteristic because chromium is present, or which are listed in Env-Hw 402 due to the presence of chromium, and meet the criteria of 40 CFR 261.4(b)(6)(i), 7-1-07 edition, and are:

a. Listed in 40 CFR 261.4(b)(6)(ii), 7-1-07 edition; or

b. Subject to a waiver obtained by the generator in accordance with Env-Hw 202;

(6) Subject to (f), below, solid waste from the extraction, beneficiation, and processing of ores and minerals including coal, phosphate rock and overburden from the mining of uranium ore;

(7) Cement kiln dust waste;

(8) Waste which consists of discarded arsenical-treated wood or wood products which fail the test for the toxicity characteristic for hazardous waste codes D004 - D017 and which is not a hazardous waste for any other reason, provided the waste is generated by persons who use the arsenical-treated wood and wood products for these materials' intended end use;

(9) Used chlorofluorocarbon refrigerants from totally enclosed heat transfer equipment, including mobile air conditioning systems, mobile refrigeration, and commercial and industrial air conditioning and refrigeration systems that use chlorofluorocarbons as the heat transfer fluid in a refrigeration cycle, provided the refrigerant is reclaimed for further use;

(10) Non-terne-plated used oil filters that are not mixed with wastes listed in Env-Hw 402, provided the oil filters have been gravity hot-drained using one of the following methods:

a. Puncturing the filter anti-drain back valve or the filter dome end and hot-draining;

b. Hot-draining and crushing;

c. Dismantling and hot-draining; or

d. Any other equivalent hot-draining method that will remove used oil;

(11) Hazardous waste generated in a product or raw material storage tank, product or raw material transport vehicle or vessel, product or raw material pipeline, or in a manufacturing process unit or an associated non-waste-treatment-manufacturing unit before it exits the unit in which it was generated, unless the unit is a surface impoundment, or unless the hazardous waste remains in the unit for greater than 90 days after the unit ceases to be operated for manufacturing, or for storage or transportation of product or raw materials;

(12) Samples of solid or hazardous wastes, water, soil or air which are collected for the sole purpose of testing to determine its characteristics or composition, provided the samples are being stored or transported in accordance with 40 CFR 261.4(d), 7-1-07 edition;

(13) Treatability study samples and samples undergoing treatability studies at laboratories and testing facilities of up to 250 kg non-acute hazardous waste and up to 1 kg acute hazardous waste and as set forth in 40 CFR 261.4(e) and (f), 7-1-07 edition;

(14) Materials that are reclaimed from wastes and that are used beneficially, unless the reclaimed material is burned for energy recovery or used in a manner constituting disposal;

(15) Waste pickle liquor sludges generated by lime stabilization of spent pickle liquor from the iron and steel industry Standard Industry Classification, Codes 331 and 332, even though they are generated from the treatment, storage, or disposal of a hazardous waste, unless they exhibit one or more of the characteristics of hazardous waste as set forth in Env-Hw 403;

(16) The following wastes, provided that they do not exhibit a hazardous waste characteristic as set forth in Env-Hw 403:

a. Used oil sludges derived from collection, storage, treatment, or processing of used oils provided that the sludges are sent to a facility authorized to receive them; and

b. Waters separated from used oil by gravity separation or other physical or chemical means, unless the waters contain greater than 5 percent oil;

(17) Spill absorbent materials, soil and debris from the cleanup of spills of virgin fuel oil and virgin lubricating products, provided that the spill absorbent, materials, soil and debris do not exhibit a hazardous waste characteristic as set forth in Env-Hw 403;

(18) Spill absorbent materials, soil and debris from the cleanup of used oil spills, provided the used oil was not previously mixed with any other hazardous wastes listed in Env-Hw 402, and provided the spill absorbent materials, soil or debris do not exhibit a hazardous waste characteristic as set forth in Env-Hw 403;

(19) Spill absorbent materials, soil and debris from the cleanup of spills of virgin gasoline, provided that the spill absorbent materials, soil and debris do not exhibit a hazardous waste characteristic as set forth in Env-Hw 403;

(20) Containers and inner liners from containers of hazardous waste, provided that the containers and inner liners are empty pursuant to (h), below;

(21) Petroleum-contaminated media and debris that:

a. Fail the test for the toxicity characteristic of hazardous waste codes D018 - D043 only, as set forth in Env-Hw 403.06;

b. Are generated from releases of underground storage tanks subject to Env-Wm 1401; and

c. Are subject to the corrective action regulations under Env-Or 600;

(22) Manufactured gas plant contaminated media and debris that:

a. Fail the test for the toxicity characteristic of hazardous waste number D018 only, as set forth in Env-Hw 403.06; and

b. Are treated in an incinerator or a thermal desorption unit that is authorized under the destination state's rules;

(23) Wood ash from the burning of wood products which is only hazardous due to the corrosivity characteristic as set forth in Env-Hw 403.04(b)(3); and

(24) Nitroglycerine, listed as P081, provided that it:

a. Was to be used for medicinal purposes; and

b. Does not exhibit a hazardous waste characteristic as set forth in Env-Hw 403.

(c) For the purposes of (a)(1), above, "domestic sewage" means untreated sanitary wastes that pass through a sewer system.

(d) For the purposes of (a)(2), above, "wastewater discharges" means industrial point source discharges in compliance with regulations under Section 402 of the Clean Water Act, as amended.

(e) For the purposes of (d), above, "point source" means any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or floating craft, or other discernable, defined and discrete conveyance from which pollutants are or may be discharged. The term "point source" does not include agricultural irrigation return waters.

(f) The exemption at (b)(6), above, shall not include the following wastes, which shall be regulated as hazardous wastes:

(1) Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production;

(2) Surface impoundment solids contained in the dredged from surface impoundments at primary lead smelting facilities;

(3) Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production;

(4) Spent potliners from primary aluminum reduction;

(5) Emission control dust or sludge from ferrochromium-silicon production; or

(6) Emission control dust or sludge from ferrochromium production.

(g) For the purposes of (b)(17), above, "virgin lubricating products" means unused motor, engine, gear, machine and transmission oils.

(h) For the purposes of (b)(20), above, containers and inner liners shall be deemed empty under the following conditions:

(1) For those containers or inner liners which have held hazardous waste other than compressed gas or acute hazardous waste identified in Env-Hw 402.04, when all wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, such as pouring, pumping, and aspirating, and:

a. No more than one inch of residue remains on the bottom of the container or inner liner; or

b. The amount or residue remaining in the container or inner liner is:

1. No more than 3 percent by weight of the total capacity of the container if the container is less than or equal to 119 gallons in size; or

2. No more than 0.3 percent by weight of the total capacity of the container if the container is greater than 119 gallons in size;

(2) For those containers which have held a hazardous waste that is a compressed gas, when the pressure in the container approaches atmospheric pressure;

(3) For those containers or inner liners which have held acutely hazardous waste, when:

a. The containers or inner liner have been triple rinsed using a solvent capable of removing the commercial chemical product or manufacturing chemical intermediate;

b. The container or inner liner has been cleansed by another method that has been shown in the scientific literature, or by tests conducted by the generator, to achieve equivalent removal; or

c. In the case of a container, the inner liner that prevented contact of the commercial chemical product or manufacturing chemical intermediate with the container has been removed.

(i) Residues removed from empty containers shall be subject to regulation under the hazardous waste rules as set forth in Env-Hw 404.04.

(j) For the purposes of (b)(1), above, "household wastes" means any waste derived from households, including, but not limited to:

(1) Single and multiple residences;

(2) Motels, hotels;

(3) Bunkhouses;

(4) Ranger stations;

(5) Crew quarters, campgrounds;

(6) Picnic grounds; and

(7) Day use recreation areas.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #6384-B, eff 11-26-96; amd by #7207-B, eff 2-26-00; amd by #7208, eff 2-26-00; ss by #7333, eff 8-1-00; amd by #7578, eff 10-13-01; amd by #8714, INTERIM, eff 9-5-06, EXPIRED: 3-4-07; amd by #8790, eff 1-5-07; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 401.04 Hazardous Waste Determination Methods. Sampling and analysis of waste for the purpose of identifying the waste as a hazardous or non-hazardous waste shall be conducted in accordance with the procedures specified in 40 CFR 261 Appendix I, 7-1-07 edition, EPA Publication "SW-846," as defined in Env-Hw 104 and incorporated by reference at Env-Hw 401.06, additional methods specified in Env-Hw 400, or equivalent procedures approved by EPA in accordance with 40 CFR 260.20 and 260.21, 7-1-07 edition or by the department in accordance with Env-Hw 401.05.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; ss by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08, EXPIRES: 1-28-09

Env-Hw 401.05 Petitions for Equivalent Testing or Analytical Methods.

(a) Any person seeking to add an analytical method to Env-Hw 400 or Env-Hw 800 with respect to hazardous wastes regulated by New Hampshire but not by EPA may petition for a rule change to allow use of a new testing method. The person shall demonstrate that the proposed method is equal to or superior to the corresponding method required by Env-Hw 400 or Env-Hw 800 in terms of its sensitivity, accuracy and reproducibility.

(b) Each petition shall include the information required by 40 CFR 260.20(b) and 40 CFR 260.21(b), 7-1-07 edition.

Source. #5886, eff 8-26-94; amd by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 401.06 Test Methods for Analyzing Hazardous Wastes. Test methods for analyzing hazardous wastes shall be in accordance with the following publications, as incorporated by reference in 40 CFR 260.11, 7-1-07 edition:

(a) "ASTM Standard Test Methods for Flash Point of Liquids by Setaflash Closed Tester," ASTM Standard D-3278-78, available from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959;

(b) "ASTM Standard Test Methods for Flash Point by Pensky-Martens Closed Tester," ASTM Standard D-93-79 or D-93-80. D-93-80 is available from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959;

(c) "ASTM Standard Method for Analysis of Reformed Gas by Gas Chromatography," ASTM Standard D-1946-82, available from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959;

(d) "ASTM Standard Test Method for Heat of Combustion of Hydrocarbon Fuels by Bomb Calorimeter (High-Precision Method)," ASTM Standard D-2382-83, available from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959;

(e) "ASTM Standard Practices for General Techniques of Ultraviolet-Visible Quantitative Analysis," ASTM Standard E-169-87, available from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959;

(f) "ASTM Standard Practices for General Techniques of Infrared Quantitative Analysis," ASTM Standard E 168-88, available from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959;

(g) "ASTM Standard Practice for Packed Column Gas Chromatography," ASTM Standard E-260-85, available from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959;

(h) "ASTM Standard Test Method for Aromatics in Light Naphthas and Aviation Gasolines by Gas Chromatography," ASTM Standard D-2267-88, available from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959;

(i) "APTI Course 415: Control of Gaseous Emissions," EPA Publication EPA-450/2-81-005, December 1981, available from National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161;

(j) "Flammable and Combustible Liquids Code," 1977 or 1981, available from the National Fire Protection Association, 1 Batterymarch Park, PO Box 9101, Quincy, MA 02269-9101;

(k) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846;

(l) "Screening Procedures for Estimating the Air Quality Impact of Stationary Sources, Revised," October 1992, EPA Publication No. EPA-450/R-92-019, Environmental Protection Agency, Research Triangle Park, NC 27711;

(m) "ASTM Standard Test Methods for Preparing Refuse-Derived Fuel (RDF) Samples for Analyses of Metals," ASTM Standard E926-88, Test Method C-Bomb, Acid Digestion Method, available from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959;

(n) "API Publication 2517, Third Edition," February 1989, "Evaporative Loss from External Floating-Roof Tanks," available from the American Petroleum Institute, 1220 L Street, NW, Washington, DC 20005; and

(o) "ASTM Standard Test Method for Vapor Pressure-Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope," ASTM Standard D 2879-92, available from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

Source. #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

PART Env-Hw 402 LISTED HAZARDOUS WASTES

Env-Hw 402.01 Hazard Codes.

(a) Unless otherwise specified in this chapter, Env-Hw 402 identifies the type of hazard presented by a waste using the following hazard codes:

(1) For ignitable waste, the hazard code shall be "(I)";

(2) For corrosive waste, the hazard code shall be "(C)";

(3) For reactive waste, the hazard code shall be "(R)";

(4) For toxicity characteristic waste, the hazard code shall be "(E)";

(5) For acutely hazardous waste, the hazard code shall be "(H)"; and

(6) For toxic waste, the hazard code shall be "(T)."

(b) 40 CFR 261 Appendix VII, 7-1-07 edition, shall be used to identify the constituent which causes the administrator to list a waste as a toxicity characteristic waste (E) or toxic waste (T) listed in Env-Hw 402.06(a) and 402.07(a).

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; ss by #6384-B, eff 11-26-96; ss by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 402.02 Hazardous Waste Numbers.

(a) The EPA or NH hazardous waste number assigned to each hazardous waste listed in this part, shown preceding the name of the waste in Table 4.1 through Table 4.9, shall be used in complying with the notification requirements and certain recordkeeping and reporting requirements of the hazardous waste rules.

(b) The hazardous waste numbers assigned by EPA and New Hampshire for listed hazardous wastes shall be as set forth in Env-Hw 402.04, Env-Hw 402.05, Env-Hw 402.06, and Env-Hw 402.07.

(c) EPA Hazardous Waste Numbers F020, F021, F022, F023, F026, and F027, listed in Env-Hw 402.06 or Env-Hw 402.07, shall be counted as acutely hazardous wastes when calculating generator status in accordance with Env-Hw 503.

Source. #5886, eff 8-26-94; ss by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 402.03 Lists of Hazardous Wastes.

(a) The materials or items specified in Env-Hw 402 shall be considered hazardous wastes:

(1) If they are discarded or intended to be discarded as defined in Env-Hw 103;

(2) When they are mixed with discarded oil or used oil or other material and applied to the land for dust suppression or road treatment;

(3) When they are otherwise applied to the land in lieu of their original intended use or when they are contained in products that are applied to the land in lieu of their original intended use; or

(4) When, in lieu of their original intended use, they are produced for use as a fuel, or as a component of a fuel, distributed for use as a fuel, or burned as a fuel.

(b) For the purposes of dust suppression and road treatment, "discarded oil" means virgin oil that has been discarded before use.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 402.04 Acutely Hazardous Wastes.

(a) The following materials, when waste, shall be considered acutely hazardous waste:

(1) Any commercial chemical product or manufacturing chemical intermediate, having the generic name listed in (b) or (c), below, or any off-specification chemical product or intermediate which, if it met specifications, would have the generic name listed in (b) or (c), below;

(2) Any residue remaining in a container or in an inner liner removed from a container that has held any material having the generic name listed in (b) and (c), below, unless the container is empty as defined in Env-Hw 401.03(h); or

(3) Any material listed in Env-Hw 402.06 that is identified with the symbol "H".

(b) EPA listed acutely hazardous wastes shall be as listed in Table 4.1 below:

Table 4.1 EPA Acutely Hazardous Wastes

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
P023	107-20-0	Acetaldehyde, chloro-
P002	591-08-2	Acetamide,N-(aminothioxomethyl)-
P057	640-19-7	Acetamide, 2-fluoro-
P058	62-74-8	Acetic acid, fluoro-, sodium salt
P002	591-08-2	1-Acetyl-2-thiourea
P003	107-02-8	Acrolein
P070	116-06-3	Aldicarb
P004	309-00-2	Aldrin
P005	107-18-6	Allyl alcohol
P006	20859-73-8	Aluminum phosphide (R,T)
P007	2763-96-4	5-(Aminomethyl)-3-isoxazolol
P008	504-24-5	4-Aminopyridine
P009	131-74-8	Ammonium picrate (R)
P119	7803-55-6	Ammonium vanadate

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
P099	506-61-6	Argentate(1-),bis(cyano-C)-,potassium
P010	7778-39-4	Arsenic acid H_3AsO_4
P012	1327-53-3	Arsenic oxide As_2O_3
P011	1303-28-2	Arsenic oxide As_2O_5
P011	1303-28-2	Arsenic pentoxide
P012	1327-53-3	Arsenic trioxide
P038	692-42-2	Arsine, diethyl-
P036	696-28-6	Arsonous dichloride, phenyl-
P054	151-56-4	Aziridine
P067	75-55-8	Aziridine, 2-methyl-
P013	542-62-1	Barium cyanide
P024	106-47-8	Benzenamine, 4-chloro-
P077	100-01-6	Benzenamine, 4-nitro-
P028	100-44-7	Benzene, (chloromethyl)-
P042	51-43-4	1,2-Benzenediol,4-[1-hydroxy-2-methylamino)ethyl]-, (R)-
P046	122-09-8	Benzeneethanamine, alpha,alpha-dimethyl
P014	108-98-5	Benzenethiol
P001	[1]81-81-2	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%
P028	100-44-7	Benzyl chloride
P015	7440-41-7	Beryllium powder
P017	598-31-2	Bromoacetone
P018	357-57-3	Brucine
P045	39196-18-4	2-Butanone,3,3-dimethyl-1-(methylthio)-, O -[methylamino) carbonyl]oxime
P021	592-01-8	Calcium cyanide
P021	592-01-8	Calcium cyanide $Ca(CN)_2$
P022	75-15-0	Carbon disulfide
P095	75-44-5	Carbonic dichloride
P023	107-20-0	Chloroacetaldehyde
P024	106-47-8	p-Chloroaniline
P026	5344-82-1	1-(o-Chlorophenyl) thiourea
P027	542-76-7	3-Chloropropionitrile
P029	544-92-3	Copper cyanide
P029	544-92-3	Copper cyanide Cu(CN)
P030	--------	Cyanides (soluble cyanide salts), not otherwise specified
P031	460-19-5	Cyanogen
P033	506-77-4	Cyanogen chloride
P033	506-77-4	Cyanogen chloride (CN)Cl
P034	131-89-5	2-Cyclohexyl-4,6- dinitrophenol
P016	542-88-1	Dichloromethyl ether
P036	696-28-6	Dichlorophenylarsine
P037	60-57-1	Dieldrin

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
P038	692-42-2	Diethylarsine
P041	311-45-5	Diethyl-p-nitrophenyl phosphate
P040	297-97-2	O, O -Diethyl O -pyrazinyl phosphorothioate
P043	55-91-4	Diisopropylfluorophosphate (DFP)
P004	309-00-2	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1, 4,4a,5,8,8 a,-hexahydro-,(1alpha,4alpha,4abeta,5 alpha,8alpha,8abeta)-
P060	465-73-6	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro -1,4,4a,5,8,8a,-[hexachloro]hexahydro-(1alpha,4alpha, 4abeta,5beta,8beta,8abeta)-
P037	60-57-1	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a, 7,7a-octahydro-(laalpha,2beta,2aalpha, 3beta,6beta,6aalpha,7beta,7aalpha)-
P051	[1]72-20-8	2,7:3,6-Dimethanonaphth [2,3-b] oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha, 6abeta,7beta,7aalpha)-,& metabolites
P044	60-51-5	Dimethoate
P046	122-09-8	alpha,alpha-Dimethylphenethylamine
P047	[1]534-52-1	4,6-Dinitro-o-cresol, & salts
P048	51-28-5	2,4-Dinitrophenol
P020	88-85-7	Dinoseb
P085	152-16-9	Diphosphoramide, octamethyl-
P111	107-49-3	Diphosphoric acid, tetraethyl ester
P039	298-04-4	Disulfoton
P049	541-53-7	Dithiobiuret
P050	115-29-7	Endosulfan
P088	145-73-3	Endothall
P051	72-20-8	Endrin
P051	72-20-8	Endrin, & metabolites
P042	51-43-4	Epinephrine
P031	460-19-5	Ethanedinitrile
P066	16752-77-5	Ethanimidothioic acid, N-[[(methylamino)carbonyl]oxy]-, methyl ester
P101	107-12-0	Ethyl cyanide
P054	151-56-4	Ethyleneimine
P097	52-85-7	Famphur
P056	7782-41-4	Fluorine
P057	640-19-7	Fluoroacetamide
P058	62-74-8	Fluoroacetic acid, sodium salt
P065	628-86-4	Fulminic acid, mercury(2+) salt (R,T)
P059	76-44-8	Heptachlor
P062	757-58-4	Hexaethyl tetraphosphate
P116	79-19-6	Hydrazinecarbothioamide

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
P068	60-34-4	Hydrazine, methyl-
P063	74-90-8	Hydrocyanic acid
P063	74-90-8	Hydrogen cyanide
P096	7803-51-2	Hydrogen phosphide
P060	465-73-6	Isodrin
P007	2763-96-4	3(2H)-Isoxazolone, 5-(aminomethyl)-
P092	62-38-4	Mercury, (acetato- O)phenyl-
P065	628-86-4	Mercury fulminate (R,T)
P082	62-75-9	Methanamine, N-methyl-N-nitroso-
P064	624-83-9	Methane, isocyanato-
P016	542-88-1	Methane, oxybis[chloro-
P112	509-14-8	Methane, tetranitro-
P118	75-70-7	Methanethiol, trichloro-
P050	115-29-7	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6, 9,9a-hexahydro-, 3-oxide
P059	76-44-8	4,7-Methano-1H-indene, 1,4,5,6,7,8,8- heptachloro-3a,4,7,7a-tetrahydro-
P066	16752-77-5	Methomyl
P068	60-34-4	Methyl hydrazine
P064	824-83-9	Methyl isocyanate
P069	75-86-5	2-Methyllactonitrile
P071	298-00-0	Methyl parathion
P072	86-88-4	alpha Naphthylthiourea
P073	13463-39-3	Nickel carbonyl
P073	13463-39-3	Nickel carbonyl $Ni(CO)_4$, (T-4)-
P074	557-19-7	Nickel cyanide
P074	557-19-7	Nickel cyanide $Ni(CN)_2$
P075	54-11-5	Nicotine, & salts
P076	10102-43-9	Nitric oxide
P077	100-01-6	p-Nitroaniline
P078	10102-44-0	Nitrogen dioxide
P076	10102-43-9	Nitrogen oxide N0
P078	10102-44-0	Nitrogen oxide $N0_2$
P081	55-63-0	Nitroglycerine (R)
P082	62-75-9	N-Nitrosodimethylamine
P084	4549-40-0	N-Nitrosomethylvinylamine
P085	152-16-9	Octamethylpyrophosphoramide
P087	20816-12-0	Osmium oxide OsO_4, (T-4)-
P087	20816-12-0	Osmium tetroxide
P088	145-73-3	7-Oxabicyclo[2.2.1]heptane-2,3- dicarboxylic acid
P089	56-38-2	Parathion
P034	131-89-5	Phenol, 2-cyclohexyl-4,6-dinitro-
P048	51-28-5	Phenol, 2,4-dinitro-
P047	[1]534-52-1	Phenol, 2-methyl-4,6-dinitro-, & salts

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
P020	88-85-7	Phenol, 2-(1-methylpropyl)-4,6-dinitro-
P009	131-74-8	Phenol, 2,4,6-trinitro-, ammonium salt (R)
P092	62-38-4	Phenylmercury acetate
P093	103-85-5	Phenylthiourea
P094	298-02-2	Phorate
P095	75-44-5	Phosgene
P096	7803-51-2	Phosphine
P041	311-45-5	Phosphoric acid, diethyl 4-nitrophenyl ester
P039	298-04-4	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester
P094	298-02-2	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester
P044	60-51-5	Phosphorodithioic acid, O,O-dimethyl-[2-methylamino)-2-oxoethyl] ester
P043	55-91-4	Phosphorofluoridic acid, bis(1-methylethyl) ester
P089	56-38-2	Phosphorothioic acid, O,O-diethyl 0-(4-nitrophenyl) ester
P040	297-97-2	Phosphorothioic acid, O,O-diethyl 0-pyrazinyl ester
P097	52-85-7	Phosphorothioic acid, O-[4-[(dimethylamino)sufonyl] phenyl] O,O-dimethyl ester
P071	298-00-0	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester
P110	78-00-2	Plumbane, tetraethyl-
P098	151-50-8	Potassium cyanide
P098	151-50-8	Potassium cyanide K(CN)
P099	506-61-6	Potassium silver cyanide
P070	116-06-3	Propanal, 2-methyl-2(methylthio)-, O-[(methylamino)carbonyl]oxime
P101	107-12-0	Propanenitrile
P027	542-76-7	Propanenitrile, 3-chloro-
P069	75-86-5	Propanenitrile, 2-hydroxy-2-methyl-
P081	55-63-0	1,2,3-Propanetriol, trinitrate (R)
P017	598-31-2	2-Propanone, 1-bromo-
P102	107-19-7	Propargyl alcohol
P003	107-02-8	2-Propenal
P005	107-18-6	2-Propen-1-ol
P067	75-55-8	1,2-Propylenimine
P102	107-19-7	2-Propyn-1-ol
P008	504-24-5	4-Pyridinamine
P075	[1]54-11-5	Pyridine, 3-(1-methyl-3pyrrolidinyl)-, (S)-, & salts
P114	12039-52-0	Selenious acid, dithallium(1+) salt
P103	630-10-4	Selenourea
P104	506-64-9	Silver cyanide
P104	506-64-9	Silver cyanide Ag(CN)
P105	26628-22-8	Sodium azide
P106	143-33-9	Sodium cyanide

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
P106	143-33-9	Sodium cyanide Na(CN)
P108	[1]57-24-9	Strychnidin-10-one, & salts
P018	357-57-3	Strychnidin-10-one, 2,3-dimethoxy-
P108	[1]57-24-9	Strychnine, & salts
P115	7446-18-6	Sulfuric acid, dithallium(1+) salt
P109	3689-24-5	Tetraethyldithiopyrophosphate
P110	78-00-2	Tetraethyl lead
P111	107-49-3	Tetraethyl pyrophosphate
P112	509-14-8	Tetranitromethane (R)
P062	757-58-4	Tetraphosphoric acid, hexaethyl ester
P113	1314-32-5	Thallic oxide
P113	1314-32-5	Thallium oxide Tl_2O_3
P114	12039-52-0	Thallium(1) selenite
P115	7446-18-6	Thallium(1) sulfate
P109	3689-24-5	Thiodiphosphoric acid, tetraethyl ester
P045	39196-18-4	Thiofanox
P049	541-53-7	Thioimidodicarbonic diamide $[(H_2N)C(S)]_2NH$
P014	108-98-5	Thiophenol
P116	79-19-6	Thiosemicarbazide
P026	5344-82-1	Thiourea, (2-chlorophenyl)-
P072	86-88-4	Thiourea, 1-naphthalenyl-
P093	103-85-5	Thiourea, phenyl-
P123	8001-35-2	Toxaphene
P118	75-70-7	Trichloromethanethiol
P119	7803-55-6	Vanadic acid, ammonium salt
P120	1314-62-1	Vanadium oxide V_2O_5
P120	1314-62-1	Vanadium pentoxide
P084	4549-40-0	Vinylamine, N-methyl-N-nitroso-
P001	[1]81-81-2	Warfarin, & salts, when present at concentrations greater than 0.3%
P121	557-21-1	Zinc cyanide
P121	557-21-1	Zinc cyanide $Zn(CN)_2$
P122	1314-84-7	Zinc phosphide Zn_3P_2, when present at concentrations greater than 10% (R,T)

(c) New Hampshire listed acutely hazardous wastes shall be as listed in Table 4.2 below:

Table 4.2 New Hampshire Acutely Hazardous Wastes

NH Hazardous Waste No.	Hazardous Waste
NH03	Strontium sulfide
NH04 to NH11	Reserved

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #6384-B, eff 11-26-96; amd by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 402.05 Toxic Hazardous Wastes.

(a) The following materials, when waste, shall constitute toxic hazardous waste:

(1) Any commercial chemical product or manufacturing chemical intermediate, having the generic name listed in (b) or (c), below, or any off-specification chemical product or intermediate which, if it met specification, would have the generic name listed in (b) or (c), below; or

(2) Any residue remaining in a container or in an inner liner removed from a container that has held any material having the generic name listed in (b), below, unless the container is empty as defined in Env-Hw 401.03(h).

(b) EPA listed toxic wastes shall be as listed in Table 4.3 below:

Table 4.3 EPA Toxic Hazardous Wastes

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
U001	75-07-0	Acetaldehyde (I)
U034	75-87-6	Acetaldehyde, trichloro-
U187	62-44-2	Acetamide, N-(4-ethoxyphenyl)-
U005	53-96-3	Acetamide, N-9H-fluoren-2-yl-
U240	[1]94-75-7	Acetic acid (2,4-dichlorophenoxy)-, salts and esters
U112	141-78-6	Acetic acid ethyl ester (I)
U144	301-04-2	Acetic acid, lead (2+) salt
U214	563-68-8	Acetic acid, thallium (1+) salt
See F027	93-76-5	Acetic acid,(2,4,5-trichlorophenoxy)-
U002	67-64-1	Acetone (I)
U003	75-05-8	Acetonitrile (I,T)
U004	98-86-2	Acetophenone
U005	53-96-3	2-Acetylaminofluorene
U006	75-36-5	Acetyl chloride (C,R,T)
U007	79-06-1	Acrylamide
U008	79-10-7	Acrylic acid (I)
U009	107-13-1	Acrylonitrile
U011	61-82-5	Amitrole

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
U012	62-53-3	Aniline (I,T)
U136	75-60-5	Arsinic acid, dimethyl-
U014	492-80-8	Auramine
U015	115-02-6	Azaserine
U010	50-07-7	Azirino [2',3':3,4] pyrrolo [1,2-a] indole-4,7-dione,6-amino-8-[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8aalpha,8balpha)]-
U157	56-49-5	Benz [j] aceanthrylene, 1,2-dihydro-3-methyl-
U016	225-51-4	Benz [c] acridine
U017	98-87-3	Benzal chloride
U192	23950-58-5	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-
U018	56-55-3	Benz [a] anthracene
U094	57-97-6	Benz [a] anthracene, 7,12-dimethyl-
U012	62-53-3	Benzenamine (I,T)
U014	492-80-8	Benzenamine, 4,4'-carbonimidoylbis[N,N- dimethyl-
U049	3165-93-3	Benzenamine, 4-chloro-2-methyl-, hydrochloride
U093	60-11-7	Benzenamine, N,N-dimethyl-4-(phenylazo)-
U328	95-53-4	Benzenamine, 2-methyl-
U353	106-49-0	Benzenamine, 4-methyl-
U158	101-14-4	Benzenamine, 4,4'-methylenebis[2-chloro-
U222	636-21-5	Benzenamine, 2-methyl-, hydrochloride
U181	99-55-8	Benzenamine, 2-methyl-5-nitro-
U019	71-43-2	Benzene (I,T)
U038	510-15-6	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester
U030	101-55-3	Benzene, 1-bromo-4-phenoxy-
U035	305-03-3	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-
U037	108-90-7	Benzene, chloro-
U221	25376-45-8	Benzenediamine, ar-methyl-
U028	117-81-7	1,2-Benzenedicarboxylic acid, bis (2-ethylhexyl) ester
U069	84-74-2	1,2-Benzenedicarboxylic acid, dibutyl ester
U088	84-66-2	1,2-Benzenedicarboxylic acid, diethyl ester
U102	131-11-3	1,2-Benzenedicarboxylic acid, dimethyl ester
U107	117-84-0	1,2-Benzenedicarboxylic acid, dioctyl ester
U070	95-50-1	Benzene, 1,2-dichloro-
U071	541-73-1	Benzene, 1,3-dichloro-
U072	106-46-7	Benzene, 1,4-dichloro-
U060	72-54-8	Benzene, 1,1'-(2,2-dichloroethylidene) bis [4-chloro-
U017	98-87-3	Benzene, (dichloromethyl)-
U223	26471-62-5	Benzene, 1,3-diisocyanatomethyl(R,T)
U239	1330-20-7	Benzene, dimethyl-(I,T)
U201	108-46-3	1,3-Benzenediol

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
U127	118-74-1	Benzene, hexachloro-
U056	110-82-7	Benzene, hexahydro-(I)
U220	108-88-3	Benzene, methyl-
U105	121-14-2	Benzene, 1-methyl-2,4-dinitro
U106	606-20-2	Benzene, 2-methyl-1,3-dinitro-
U055	98-82-8	Benzene, (1-methylethyl)- (I)
U169	98-95-3	Benzene, nitro-
U183	608-93-5	Benzene, pentachloro-
U185	82-68-8	Benzene, pentachloronitro-
U020	98-09-9	Benzenesulfonic acid chloride (C,R)
U020	98-09-9	Benzenesulfonyl chloride (C,R)
U207	95-94-3	Benzene, 1,2,4,5-tetrachloro-
U061	50-29-3	Benzene, 1,1'-(2,2,2-trichloroethylidene) bis[4-chloro
U247	72-43-5	Benzene, 1,1'-(2,2,2-trichloroethylidene) bis[4-methoxy-
U023	98-07-7	Benzene, (trichloromethyl)-
U234	99-35-4	Benzene, 1,3,5-trinitro-
U021	92-87-5	Benzidine
U202	[1]81-07-2	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide & salts
U203	94-59-7	1,3 Benzodioxole, 5-(2-propenyl)-
U141	120-58-1	1,3 Benzodioxole, 5-(1-propenyl)-
U090	94-58-6	1,3 Benzodioxole, 5-propyl-
U064	189-55-9	Benzo[rst]pentaphene
U248	[1]81-81-2	2H-1-Benzopyran-2-one, 4 hydroxy-3- (3-oxo-1-phenyl-butyl)-, and salts when present at concentrations of 0.3% or less
U022	50-32-8	Benzo[a]pyrene
U197	106-51-4	p-Benzoquinone
U023	98-07-7	Benzotrichloride (C,R,T,)
U085	1464-53-5	2,2'-Bioxirane
U021	92-87-5	[1,1'-Biphenyl]-4-4'-diamine
U073	91-94-1	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-
U091	119-90-4	[1,1'-Biphenyl]-4-4'-diamine, 3,3'-dimethoxy-
U095	119-93-7	[1,1'-Biphenyl]-4-4'-diamine, 3,3'-dimethyl-
U225	75-25-2	Bromoform
U030	101-55-3	4-Bromophenyl phenyl ether
U128	87-68-3	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-
U172	924-16-3	1-Butanamine, N-butyl-N-nitroso-
U031	71-36-3	1-Butanol (I)
U159	78-93-3	2-Butanone (I,T)
U160	1338-23-4	2-Butanone, peroxide (R,T)
U053	4170-30-3	2-Butenal
U074	764-41-0	2-Butene, 1,4-dichloro(I,T)
U143	303-34-4	2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
		(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7(2S*,3R*),7aalpha]]-
U031	71-36-3	n-Butyl alcohol (I)
U136	75-60-5	Cacodylic acid
U032	13765-19-0	Calcium chromate
U238	51-79-6	Carbamic acid, ethyl ester
U178	615-53-2	Carbamic acid, methylnitroso-, ethyl ester
U097	79-44-7	Carbamic chloride, dimethyl-
U114	[1]111-54-6	Carbamodithioic acid, 1,2-ethanediylbis-, salts & esters
U062	2303-16-4	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-di-chloro-2-propenyl) ester
U215	6533-73-9	Carbonic acid, dithallium(1+) salt
U033	353-50-4	Carbonic difluoride
U156	79-22-1	Carbonochloridic acid, methyl ester (I,T)
U033	353-50-4	Carbon oxyfluoride (R,T)
U211	56-23-5	Carbon tetrachloride
U034	75-87-6	Chloral
U035	305-03-3	Chlorambucil
U036	57-74-9	Chlordane, alpha & gamma isomers
U026	494-03-1	Chlornaphazin
U037	108-90-7	Chlorobenzene
U038	510-15-6	Chlorobenzilate
U039	59-50-7	p-Chloro-m-cresol
U042	110-75-8	2-Chloroethyl vinyl ether
U044	67-66-3	Chloroform
U046	107-30-2	Chloromethyl, methyl ether
U047	91-58-7	beta-Chloronaphthalene
U048	95-57-8	o-Chlorophenol
U049	3165-93-3	4-Chloro-o-toluidine, hydrochloride
U032	13765-19-0	Chromic acid H_2CrO_4, calcium salt
U050	218-01-9	Chrysene
U051	---------	Creosote
U052	1319-77-3	Cresol (Cresylic acid)
U053	4170-30-3	Crotonaldehyde
U055	98-82-8	Cumene (I)
U246	506-68-3	Cyanogen bromide (CN)Br
U197	106-51-4	2,5-Cyclohexadiene-1,4-dione
U056	110-82-7	Cyclohexane (I)
U129	58-89-9	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-
U057	108-94-1	Cyclohexanone (I)
U130	77-47-4	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
U058	50-18-0	Cyclophosphamide
U240	[1]94-75-7	2,4-D, salts and esters
U059	20830-81-3	Daunomycin
U060	72-54-8	DDD
U061	50-29-3	DDT
U062	2303-16-4	Diallate
U063	53-70-3	Dibenz[a,h]anthracene
U064	189-55-9	Dibenzo[a,i]pyrene
U066	96-12-8	1,2-Dibromo-3-chloropropane
U069	84-74-2	Dibutyl phthalate
U070	95-50-1	o-Dichlorobenzene
U071	541-73-1	m-Dichlorobenzene
U072	106-46-7	p-Dichlorobenzene
U073	91-94-1	3,3'-Dichlorobenzidine
U074	764-41-0	1,4-Dichloro-2-butene (I,T)
U075	75-71-8	Dichlorodifluoromethane
U078	75-35-4	1,1-Dichloroethylene
U079	156-60-5	1,2-Dichloroethylene
U025	111-44-4	Dichloroethyl ether
U027	108-60-1	Dichloroisopropyl ether
U024	111-91-1	Dichloromethoxy ethane
U081	120-83-2	2,4-Dichlorophenol
U082	87-65-0	2,6-Dichlorophenol
U084	542-75-6	1,3-Dichloropropene
U085	1464-53-5	1,2:3,4-Diepoxybutane (I,T)
U108	123-91-1	1,4-Diethyleneoxide
U028	117-81-7	Diethylhexyl phthalate
U086	1615-80-1	N,N'-Diethylhydrazine
U087	3288-58-2	O,O-Diethyl S-methyl dithiophosphate
U088	84-66-2	Diethyl phthalate
U089	56-53-1	Diethylstilbestrol
U090	94-58-6	Dihydrosafrole
U091	119-90-4	3,3'-Dimethoxybenzidine
U092	124-40-3	Dimethylamine (I)
U093	60-11-7	p-Dimethylaminoazobenzene
U094	57-97-6	7,12-Dimethylbenz[a]anthracene
U095	119-93-7	3,3'-Dimethylbenzidine
U096	80-15-9	alpha,alpha-Dimethylbenzylhydroperoxide (R)
U097	79-44-7	Dimethylcarbamoyl chloride
U098	57-14-7	1,1-Dimethylhydrazine
U099	540-73-8	1,2-Dimethylhydrazine
U101	105-67-9	2,4-Dimethylphenol
U102	131-11-3	Dimethyl phthalate

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
U103	77-78-1	Dimethyl sulfate
U105	121-14-2	2,4-Dinitrotoluene
U106	606-20-2	2,6-Dinitrotoluene
U107	117-84-0	Di-n-octyl phthalate
U108	123-91-1	1,4-Dioxane
U109	122-66-7	1,2-Diphenylhydrazine
U110	142-84-7	Dipropylamine (I)
U111	621-64-7	Di-n-propylnitrosamine
U041	106-89-8	Epichlorohydrin
U001	75-07-0	Ethanal (I)
U174	55-18-5	Ethanamine, N-ethyl-N-nitroso-
U155	91-80-5	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-
U067	106-93-4	Ethane, 1,2-dibromo-
U076	75-34-3	Ethane, 1,1-dichloro-
U077	107-06-2	Ethane, 1,2-dichloro-
U131	67-72-1	Ethane, hexachloro-
U024	111-91-1	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-
U117	60-29-7	Ethane, 1,1'-oxybis- (I)
U025	111-44-4	Ethane, 1,1'-oxybis[2-chloro-
U184	76-01-7	Ethane, pentachloro-
U208	630-20-6	Ethane, 1,1,1,2-tetrachloro-
U209	79-34-5	Ethane, 1,1,2,2-tetrachloro-
U218	62-55-5	Ethanethioamide
U226	71-55-6	Ethane, 1,1,1-trichloro-
U227	79-00-5	Ethane, 1,1,2-trichloro-
U359	110-80-5	Ethanol, 2-ethoxy-
U173	1116-54-7	Ethanol, 2,2'-(nitrosoimino)bis-
U004	98-86-2	Ethanone, 1-phenyl-
U043	75-01-4	Ethene, chloro-
U042	110-75-8	Ethene, (2-chloroethoxy)
U078	75-35-4	Ethene, 1,1-dichloro-
U079	156-60-5	Ethene, 1,2-dichloro-,(E)-
U210	127-18-4	Ethene, tetrachloro-
U228	79-01-6	Ethene, trichloro-
U112	141-78-6	Ethyl acetate (I)
U113	140-88-5	Ethyl acrylate (I)
U238	51-79-6	Ethyl carbamate (urethane)
U117	60-29-7	Ethyl ether (I)
U114	[1]111-54-6	Ethylenebisdithiocarbamic acid, salts & esters
U067	106-93-4	Ethylene dibromide
U077	107-06-2	Ethylene dichloride
U359	110-80-5	Ethylene glycol monoethyl ether

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
U115	75-21-8	Ethylene oxide (I,T)
U116	96-45-7	Ethylenethiourea
U076	75-34-3	Ethylidene dichloride
U118	97-63-2	Ethyl methacrylate
U119	62-50-0	Ethyl methanesulfonate
U120	206-44-0	Fluoranthene
U122	50-00-0	Formaldehyde
U123	64-18-6	Formic acid (C,T)
U124	110-00-9	Furan (I)
U125	98-01-1	2-Furancarboxaldehyde (I)
U147	108-31-6	2,5-Furandione
U213	109-99-9	Furan, tetrahydro (I)
U125	98-01-1	Furfural (I)
U124	110-00-9	Furfuran (I)
U206	18883-66-4	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-,D-
U206	18883-66-4	D-Glucose, 2-deoxy-2-[[(methylnitrosoamino) - carbonyl]amino]-
U126	765-34-4	Glycidylaldehyde
U163	70-25-7	Guanidine, N-methyl-N'-nitro-N-nitroso-
U127	118-74-1	Hexachlorobenzene
U128	87-68-3	Hexachlorobutadiene
U130	77-47-4	Hexachlorocyclopentadiene
U131	67-72-1	Hexachloroethane
U132	70-30-4	Hexachlorophene
U243	1888-71-7	Hexachloropropene
U133	302-01-2	Hydrazine (R,T)
U086	1615-80-1	Hydrazine, 1,2-diethyl-
U098	57-14-7	Hydrazine, 1,1-dimethyl-
U099	540-73-8	Hydrazine, 1,2-dimethyl-
U109	122-66-7	Hydrazine, 1,2-diphenyl-
U134	7664-39-3	Hydrofluoric acid (C,T)
U134	7664-39-3	Hydrogen fluoride (C,T)
U135	7783-06-4	Hydrogen sulfide
U135	7783-06-4	Hydrogen sulfide H_2S
U096	80-15-9	Hydroperoxide, 1-methyl-1-phenylethyl (R)
U116	96-45-7	2-Imidazolidinethione
U137	193-39-5	Indeno[1,2,3-cd]pyrene
U190	85-44-9	1,3-Isobenzofurandione
U140	78-83-1	Isobutyl alcohol (I,T)
U141	120-58-1	Isosafrole
U142	143-50-0	Kepone
U143	303-34-4	Lasiocarpine
U144	301-04-2	Lead acetate

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
U146	1335-32-6	Lead, bis(acetato-O)tetrahydroxytri-
U145	7446-27-7	Lead phosphate
U146	1335-32-6	Lead subacetate
U129	58-89-9	Lindane
U163	70-25-7	MNNG
U147	108-31-6	Maleic anhydride
U148	123-33-1	Maleic hydrazide
U149	109-77-3	Malononitrile
U150	148-82-3	Melphalan
U151	7439-97-6	Mercury
U152	126-98-7	Methacrylonitrile (I,T)
U092	124-40-3	Methanamine, N-methyl-(I)
U029	74-83-9	Methane, bromo-
U045	74-87-3	Methane, chloro (I,T)
U046	107-30-2	Methane, chloromethoxy-
U068	74-95-3	Methane, dibromo-
U080	75-09-2	Methane, dichloro-
U075	75-71-8	Methane, dichlorodifluoro-
U138	74-88-4	Methane, iodo-
U119	62-50-0	Methanesulfonic acid, ethyl ester
U211	56-23-5	Methane, tetrachloro-
U153	74-93-1	Methanethiol (I,T)
U225	75-25-2	Methane, tribromo-
U044	67-66-3	Methane, trichloro-
U121	75-69-4	Methane, trichlorofluoro-
U036	57-74-9	4,7-Methano-1H-indene, 1,2,4,5,6,7,8, 8-octachloro-2,3,3a,4,7,7a-hexahydro-
U154	67-56-1	Methanol (I)
U155	91-80-5	Methapyrilene
U142	143-50-0	1,3,4-Metheno-2H-cyclobuta[cd]pentalen -2-one,1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-
U247	72-43-5	Methoxychlor
U154	67-56-1	Methyl alcohol (I)
U029	74-83-9	Methyl bromide
U186	504-60-9	1-Methylbutadiene (I)
U045	74-87-3	Methyl chloride (I,T)
U156	79-22-1	Methyl chlorocarbonate (I,T)
U226	71-55-6	Methyl chloroform
U157	56-49-5	3-Methylcholanthrene
U158	101-14-4	4,4'-Methylenebis(2-chloroaniline)
U068	74-95-3	Methylene bromide
U080	75-09-2	Methylene chloride
U159	78-93-3	Methyl ethyl ketone (MEK) (I,T)

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
U160	1338-23-4	Methyl ethyl ketone peroxide (R,T)
U138	74-88-4	Methyl iodide
U161	108-10-1	Methyl isobutyl ketone (I)
U162	80-62-6	Methyl methacrylate (I,T)
U161	108-10-1	4-Methyl-2-pentanone (I)
U164	56-04-2	Methylthiouracil
U010	50-07-7	Mitomycin C
U059	20830-81-3	5,12-Napthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-,(8S-cis)-
U167	134-32-7	1-Naphthalenamine
U168	91-59-8	2-Naphthalenamine
U026	494-03-1	Napthalenamine, N,N'-bis(2-chloroethyl)-
U165	91-20-3	Naphthalene
U047	91-58-7	Naphthalene, 2-chloro-
U166	130-15-4	1,4-Naphthalenedione
U236	72-57-1	2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[5-amino-4-hydroxy]-, tetrasodium salt
U166	130-15-4	1,4-Naphthoquinone
U167	134-32-7	alpha-Naphthylamine
U168	91-59-8	beta-Naphthylamine
U217	10102-45-1	Nitric acid, thallium(1+) salt
U169	98-95-3	Nitrobenzene (I,T)
U170	100-02-7	p-Nitrophenol
U171	79-46-9	2-Nitropropane (I,T)
U172	924-16-3	N-Nitrosodi-n-butylamine
U173	1116-54-7	N-Nitrosodiethanolamine
U174	55-18-5	N-Nitrosodiethylamine
U176	759-73-9	N-Nitroso-N-ethylurea
U177	684-93-5	N-Nitroso-N-methylurea
U178	615-53-2	N-Nitroso-N-methylurethane
U179	100-75-4	N-Nitrosopiperidine
U180	930-55-2	N-Nitrosopyrrolidine
U181	99-55-8	5-Nitro-o-toluidine
U193	1120-71-4	1,2-Oxathiolane, 2,2-dioxide
U058	50-18-0	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis (2-chloroethyl)tetrahydro-, 2-oxide
U115	75-21-8	Oxirane (I,T)
U126	765-34-4	Oxiranecarboxyaldehyde
U041	106-89-8	Oxirane, (chloromethyl)-
U182	123-63-7	Paraldehyde
U183	608-93-5	Pentachlorobenzene

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
U184	76-01-7	Pentachloroethane
U185	82-68-8	Pentachloronitrobenzene (PCNB)
See F027	87-86-5	Pentachlorophenol
U186	504-60-9	1,3-Pentadiene (I)
U161	108-10-1	Pentanol, 4-methyl-
U187	62-44-2	Phenacetin
U188	108-95-2	Phenol
U048	95-57-8	Phenol, 2-chloro-
U039	59-50-7	Phenol, 4-chloro-3-methyl-
U081	120-83-2	Phenol, 2,4-dichloro-
U082	87-65-0	Phenol, 2,6-dichloro-
U089	56-53-1	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)-
U101	105-67-9	Phenol, 2,4-dimethyl-
U052	1319-77-3	Phenol, methyl-
U132	70-30-4	Phenol, 2,2'-methylenebis[3,4,6-trichloro-
U170	100-02-7	Phenol, 4-nitro-
See F027	87-86-5	Phenol, pentachloro-
See F027	58-90-2	Phenol, 2,3,4,6-tetrachloro-
See F027	95-95-4	Phenol, 2,4,5-trichloro-
See F027	88-06-2	Phenol, 2,4,6-trichloro-
U150	148-82-3	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-
U145	7446-27-7	Phosphoric acid, lead(2+) salt (2:3)
U087	3288-58-2	Phosphorodithioic acid, O,O-diethyl S-methyl ester
U189	1314-80-3	Phosphorous sulfide (R)
U190	85-44-9	Phthalic anhydride
U191	109-06-8	2-Picoline
U179	100-75-4	Piperidine, 1-nitroso-
U192	23950-58-5	Pronamide
U194	107-10-8	1-Propanamine (I,T)
U111	621-64-7	1-Propanamine, N-nitroso-N-propyl-
U110	142-84-7	1-Propanamine, N-propyl-(I)
U066	96-12-8	Propane, 1,2-dibromo-3-chloro-
U083	78-87-5	Propane, 1,2-dichloro-
U149	109-77-3	Propanedinitrile
U171	79-46-9	Propane, 2-nitro-(I,T)
U027	108-60-1	Propane, 2,2'-oxybis[2-chloro-
U193	1120-71-4	1,3-Propane sultone
See F027	93-72-1	Propanoic acid, 2-(2,4,5-trichlorophenoxy)-
U235	126-72-7	1-Propanol, 2,3-dibromo-, phosphate (3:1)
U140	78-83-1	1-Propanol, 2-methyl-(I,T)
U002	67-64-1	2-Propanone (I)
U007	79-06-1	2-Propenamide
U084	542-75-6	1-Propene, 1,3-dichloro-

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
U243	1888-71-7	1-Propene, 1,1,2,3,3,3-hexachloro-
U009	107-13-1	2-Propenenitrile
U152	126-98-7	2-Propenenitrile, 2-methyl-(I,T)
U008	79-10-7	2-Propenoic acid (I)
U113	140-88-5	2-Propenoic acid, ethyl ester (I)
U118	97-63-2	2-Propenoic acid, 2-methyl-, ethyl ester
U162	80-62-6	2-Propenoic acid, 2-methyl-, methyl ester (I,T)
U194	107-10-8	n-Propylamine (I,T)
U083	78-87-5	Propylene dichloride
U148	123-33-1	3,6-Pyridazinedione, 1,2-dihydro-
U196	110-86-1	Pyridine
U191	109-06-8	Pyridine, 2-methyl-
U237	66-75-1	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl) amino]-
U164	56-04-2	4(1H)-Pyrimidinone,2,3-dihydro-6-methyl-2-thioxo-
U180	930-55-2	Pyrrolidine, 1-nitroso-
U200	50-55-5	Reserpine
U201	108-46-3	Resorcinol
U202	[1]81-07-2	Saccharin and salts
U203	94-59-7	Safrole
U204	7783-00-8	Selenious acid
U204	7783-00-8	Selenium dioxide
U205	7488-56-4	Selenium sulfide
U205	7488-56-4	Selenium sulfide SeS_2(R,T)
U015	115-02-6	L-Serine, diazoacetate (ester)
See F027	93-72-1	Silvex (2,4,5-TP)
U206	18883-66-4	Streptozotocin
U103	77-78-1	Sulfuric acid, dimethyl ester
U189	1314-80-3	Sulfur phosphide (R)
See F027	93-76-5	2,4,5-T
U207	95-94-3	1,2,4,5-Tetrachlorobenzene
U208	630-20-6	1,1,1,2-Tetrachloroethane
U209	79-34-5	1,1,2,2-Tetrachloroethane
U210	127-18-4	Tetrachloroethylene
See F027	58-90-2	2,3,4,6-Tetrachlorophenol
U213	109-99-9	Tetrahydrofuran (I)
U214	563-68-8	Thallium(I) acetate
U215	6533-73-9	Thallium(I) carbonate
U216	7791-12-0	Thallium(I) chloride
U216	7791-12-0	Thallium chloride TlCl
U217	10102-45-1	Thallium(I) nitrate
U218	62-55-5	Thioacetamide
U153	74-93-1	Thiomethanol (I,T)

EPA Hazardous Waste Number	Chemical Abstracts Number	Hazardous Waste
U244	137-26-8	Thioperoxydicarbonic diamide $[(H_2N)C(S)]_2S_2$, tetramethyl-
U219	62-56-6	Thiourea
U244	137-26-8	Thiram
U220	108-88-3	Toluene
U221	25376-45-8	Toluenediamine
U223	26471-62-5	Toluene diisocyanate (R,T)
U328	95-53-4	o-Toluidine
U353	106-49-0	p-Toluidine
U222	636-21-5	o-Toluidine hydrochloride
U011	61-82-5	1H-1,2,4-Triazol-3-amine
U227	79-00-5	1,1,2-Trichloroethane
U228	79-01-6	Trichloroethylene
U121	75-69-4	Trichloromonofluoromethane
See F027	95-95-4	2,4,5-Trichlorophenol
See F027	88-06-2	2,4,6-Trichlorophenol
U234	99-35-4	1,3,5-Trinitrobenzene (R,T)
U182	123-63-7	1,3,5-Trioxane, 2,4,6-trimethyl-
U235	126-72-7	Tris(2,3-dibromopropyl) phosphate
U236	72-57-1	Trypan blue
U237	66-75-1	Uracil mustard
U176	759-73-9	Urea, N-ethyl-N-nitroso-
U177	684-93-5	Urea, N-methyl-N-nitroso-
U043	75-01-4	Vinyl chloride
U248	[1]81-81-2	Warfarin, & salts, when present at concentrations of 0.3% or less
U239	1330-20-7	Xylene (I)
U200	50-55-5	Yohimban-16-carboxylic acid,11,17-dimethoxy -18-[(3,4,5-trimethoxybenzoyl)oxy]-,methyl ester,(3beta,16beta,17alpha,18beta,20alpha)-
U249	1314-84-7	Zinc phosphide Zn_3P_2, when present at concentrations of 10% or less

[1] CAS number given for parent compound only.

(c) New Hampshire-listed toxic wastes shall be as listed in Table 4.4 below:

Table 4.4 New Hampshire-Listed Toxic Wastes

NH12 to NH50	Reserved

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #6384-B, eff 11-26-96; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 402.06 Generic Industrial Process Wastes.

(a) EPA listed generic industrial process wastes shall be as listed in Table 4.5 below:

Table 4.5 EPA Generic Industrial Process Wastes

Industry and EPA Hazardous Waste Number	Hazardous Waste	Hazard Code
Generic:		
F001	The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of 10 percent or more, by volume, of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
F002	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2- trichloroethane; all spent solvent mixtures/blends containing, before use, a total of 10 percent or more, by volume, of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
F003	The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of 10 percent or more, by volume, of one or more of those solvents listed in F001, F002, F004, and F005; and stillbottoms from the recovery of these spent solvents and spent solvent mixtures.	(I)

F004	The following spent non-halogenated solvents: Cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of 10 percent or more, by volume, of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
F005	The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of 10 percent or more, by volume, of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(I,T)
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.	(T)
F007	Spent cyanide plating bath solutions from electroplating operations.	(R,T)
F008	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.	(R,T)
F009	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.	(R,T)
F010	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.	(R,T)
F011	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.	(R,T)
F012	Quenching waste water treatment sludges from metal heat treating operations where cyanides are used in the process.	(T)
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.	(T)
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. Wastes from the production of Hexachlorophene from highly purified 2,4,5-trichlorophenol shall not be included with the wastes listed under the F020 hazardous waste number.	(H)

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.	(H)
F022	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 tetra-, penta-, or hexachlorobenzenes under alkaline conditions.	(H)
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. Wastes from equipment used only for the production or use of Hexachlorophene from highly purified 2,4,5-trichlorophenol shall not be included with the wastes listed under the F023 hazardous waste number.	(H)
F024	Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out 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 1 to and including 5, with varying amounts and positions of chlorine substitution. This listing does not include wastewaters, wastewater treatment sludges, spent catalysts, and wastes listed in Env-Wm 402.06 and 402.07.	(T)
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 1 to and including 5, with varying amounts and positions of chlorine substitution.	(T)
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.	(H)
F027	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. Formulations containing Hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component shall not be included with the wastes listed under the F027 hazardous waste number.	(H)
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Numbers F020, F021, F022, F023, F026, and F027.	(T)

(b) The hazard codes (I, T) shall be used to specify mixtures of F003 with F001, F002, F004, and F005 wastes which would then contain ignitable and toxic constituents.

(c) New Hampshire listed generic process wastes shall be as listed in Table 4.6 below:

Table 4.6 New Hampshire Generic Process Wastes

Industry and EPA Hazardous Waste Number	Hazardous Waste	Hazard Code
NH01	Used Oil	(T)
NH51 to NH74	Reserved	

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #6384-B, eff 11-26-96; amd by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 402.07 Specific Industrial Process Wastes.

(a) EPA listed specific industrial process wastes shall be as listed in Table 4.7 below:

Table 4.7 EPA Specific Industrial Process Wastes

Industry and EPA Hazardous Waste Number	Hazardous Waste	Hazard Code
Wood Preservation:		
K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.	(T)
Inorganic Pigments:		
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments.	(T)
K003	Wastewater treatment sludge from the production of molybdate orange pigments.	(T)
K004	Wastewater treatment sludge from the production of zinc yellow pigments.	(T)
K005	Wastewater treatment sludge from the production of chrome green pigments.	(T)
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).	(T)
K007	Wastewater treatment sludge from the production of iron blue pigments.	(T)
K008	Oven residue from the production of chrome oxide green pigments.	(T)

Industry and EPA Hazardous Waste Number	Hazardous Waste	Hazard Code
Organic Chemicals:		
K009	Distillation bottoms from the production of acetaldehyde from ethylene.	(T)
K010	Distillation side cuts from the production of acetaldehyde from ethylene.	(T)
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile.	(R,T)
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile.	(R,T)
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 napthalene.	(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 methyl 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 for trichloroethylene and perchloroethylene.	(T)
K083	Distillation bottoms from aniline production.	(T)

Industry and EPA Hazardous Waste Number	Hazardous Waste	Hazard Code
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)
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-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(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 immediate 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 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 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)

Industry and EPA Hazardous Waste Number	Hazardous Waste	Hazard Code
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)
Inorganic Chemicals:		
K071	Brine purification muds 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.	(T)
K106	Wastewater treatment sludge from the mercury cell process in chlorine production.	(T)
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 hexachlorocyclo-pentadiene 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)

Industry and EPA Hazardous Waste Number	Hazardous Waste	Hazard Code
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)
K132	Spent absorbent and wastewater separator solids from the production of methyl bromide.	(T)
Explosives:		
K044	Wastewater treatment sludges from the manufacturing 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)
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)
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)

Industry and EPA Hazardous Waste Number	Hazardous Waste	Hazard Code
Primary copper:		
K064	Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production.	(T)
Primary lead:		
K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.	(T)
Primary zinc:		
K066	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.	(T)
Primary aluminum:		
K088	Spent potliners from primary aluminum reduction.	(T)
Ferroalloys:		
K090	Emission control dust or sludge from ferrochromium-silicon production.	(T)
K091	Emission control dust or sludge from ferrochromium production.	(T)
Secondary Lead:		
K069	Emission control dust/sludge from secondary lead smelting.	(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.	(T)
Coking:		
K087	Decanter tank tar sludge from coking operations.	(T)
K141	Process residues from the recovery of coal tar, including but not limited to, collecting sump residues from the production of coke from coal tar or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludges from coking operations).	(T)
K142	Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.	(T)

Industry and EPA Hazardous Waste Number	Hazardous Waste	Hazard Code
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.	(T)
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.	(T)
K145	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.	(T)
K147	Tar storage tank residues from coal tar refining.	(T)
K148	Residues from coal tar distillation, including but not limited to, still bottoms.	(T)

(b) New Hampshire specific industrial process wastes shall be as listed in Table 4.8 below:

Table 4.8 New Hampshire Specific Industrial Wastes

NH Hazardous Waste	Hazardous Waste
NH75 to NH97	Reserved

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #6384-B, eff 11-26-96; amd by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

PART Env-Hw 403 CHARACTERISTIC HAZARDOUS WASTES

Env-Hw 403.01 Characteristic Hazardous Wastes.

(a) A waste shall be considered a hazardous waste if it exhibits any of the characteristics identified in Env-Hw 403.

(b) For purposes of Env-Hw 403 and Env-Hw 405.03, the department shall consider a sample obtained using a sampling method appropriate for the waste as specified in 40 CFR 261 Appendix I, 7-1-07 edition, to be a representative sample as defined in Env-Hw 104.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 403.02 Hazardous Waste Numbers.

(a) The hazardous waste numbers assigned by EPA for characteristic hazardous wastes shall be as set forth in Env-Hw 403.03, Env-Hw 403.04, Env-Hw 403.05, and Env-Hw 403.06.

(b) EPA hazardous waste numbers or NH hazardous waste numbers for characteristic hazardous wastes shall be used in complying with the notification, labeling, manifest and recordkeeping and reporting requirements of Env-Hw 500, Env-Hw 600, Env-Hw 700, and Env-Hw 800.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 403.03 Ignitability.

(a) A waste that exhibits the characteristic of ignitability but is not listed as a hazardous waste in Env-Hw 402.04(b), Env-Hw 402.05(b), Env-Hw 402.06(a) or Env-Hw 402.07(a) and is not a mixture under Env-Hw 404.01(a) shall be assigned the EPA hazardous waste number of D001.

(b) A waste shall be classified under these rules as ignitable if a representative sample of the waste has any of the following characteristics:

(1) It is a liquid, other than an aqueous solution containing less than 24 percent alcohol by volume, and has a flash point less than 60°C (140°F) as determined by:

a. A Pensky-Martens Closed Cup Tester, using the test method specified in ASTM Standard D-93-79 or D-93-80, incorporated by reference at Env-Hw 401.06;

b. A Setaflash Closed Cup Tester, using the test method specified in ASTM Standard D-3278-78; or

c. As determined by an equivalent test method approved by the administrator of EPA pursuant to 40 CFR 260.20 and 40 CFR 260.21, 7-1-07 edition;

(2) It is not a liquid and is capable, under standard temperatures and pressure, of causing fire through friction, absorption of moisture, or spontaneous chemical changes, and when ignited, it burns so vigorously and persistently that it creates a hazard;

(3) It is an ignitable compressed gas or a flammable gas as defined by the US DOT at 49 CFR 173.115(a), 10-1-07 edition and as determined by the test method described in that regulation or an equivalent test method approved by the administrator of EPA pursuant to 40 CFR 260.20, 7-1-07 edition; or

(4) It is an oxidizer as defined by 49 CFR 173.127, 10-1-07 edition.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 403.04 Corrosivity.

(a) A waste that exhibits the characteristic of corrosivity but is not listed as a hazardous waste in Env-Hw 402.04(b), Env-Hw 402.05(b), Env-Hw 402.06(a) or Env-Hw 402.07(a) and is not a mixture under Env-Hw 404.01(a) shall be assigned the EPA hazardous waste number of D002 if it meets the criteria set forth in (b)(1) or (2), below, and the NH hazardous waste number of NH02 if it meets the criteria set forth in (b)(3), below.

(b) A waste shall be classified under these rules as corrosive if a representative sample has any of the following characteristics:

(1) It is aqueous and has a pH of less than or equal to 2, or greater than or equal to 12.5, as determined by a pH meter using either Method 9040 in SW-846, as defined in Env-Hw 104 and incorporated by reference at Env-Hw 401.06, or an equivalent test method approved by the administrator of EPA under the procedures set forth in 40 CFR 260.20 and 40 CFR 260.21, 7-1-07 edition;

(2) It is a liquid and corrodes steel (SAE 1020) at a rate of greater than 6.35 mm or 0.250 inch per year at a test temperature of 55°C (130°F) as determined by the test method specified in National Association of Corrosion Engineers (NACE) Standard TM-01-69 as standardized in SW-846, or an equivalent test method approved by the administrator of EPA under the procedures set forth in 40 CFR 260.20 and 40 CFR 260.21, 7-1-07 edition; or

(3) It is a non-aqueous waste which when mixed 50% by weight with distilled water, or a gaseous material which when mixed with distilled water to form a 2 molar solution, yields a pH less than or equal to 2 or greater than or equal to 12.5 as measured with a pH meter using the protocol specified in SW-846.

(c) Wastes specified in (b)(3) above shall have the NH hazardous waste number of NH02.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 403.05 Reactivity.

(a) A waste that exhibits the characteristic of reactivity but is not listed in Env-Hw 402.04(b), Env-Hw 402.05(b), Env-Hw 402.06(a) or Env-Hw 402.07(a) and is not a mixture under Env-Hw 404.01(a) shall be assigned the EPA hazardous waste number of D003.

(b) A waste shall be considered reactive if a representative sample has any of the following characteristics:

(1) It is unstable and readily undergoes violent change without detonation under standard conditions of temperature and pressure;

(2) It reacts violently with water or air;

(3) It forms potentially explosive mixtures with water or air;

(4) If mixed with water or exposed to air, it generates toxic gases, fumes, or vapors in a quantity sufficient to present a danger to human health or the environment;

(5) It is a cyanide or sulfide-bearing waste, which, when exposed to pH conditions between 2 and 12.5 can generate toxic gases, fumes, or vapors in a quantity sufficient to present a danger to human health or the environment;

(6) It is capable of detonation or explosive reaction if it is subjected to an initiating force, or if heated in confinement;

(7) It is capable of detonation or an explosive decomposition or reaction at standard temperature and pressure; or

(8) It is a forbidden explosive as defined by 49 CFR 173.54, 10-1-07 edition, or a division 1.1 explosive as defined by 49 CFR 173.50(b)(1), 10-1-07 edition, or a division 1.2 explosive as defined by 49 CFR 173.50(b)(2), 10-1-07 edition, or a division 1.3 explosive as defined by 49 CFR 173.50(b)(3), 10-1-07 edition.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 403.06 Toxicity Characteristic.

(a) A waste shall be considered to exhibit the characteristic of toxicity if, using the toxicity characteristic leaching procedure, test method 1311 in SW-846, as defined in Env-Hw 104 and incorporated by reference in Env-Hw 401.06, the extract from a representative sample of the waste contains any of the contaminants listed in (d), below, at a concentration equal to or greater than the respective value in that table.

(b) Where the waste contains less than 0.5 percent filterable solids, the waste, by itself, after filtering, shall be considered to be the extract.

(c) A waste that exhibits the characteristic of toxicity but is not listed as a hazardous waste in Env-Hw 402.04(b), Env-Hw 402.05(b), Env-Hw 402.06(a) or Env-Hw 402.07(a) shall be assigned the EPA hazardous waste number specified in (d), below, which corresponds to the toxic contaminant causing it to be hazardous.

(d) Contaminants, EPA hazardous waste numbers, and maximum allowable concentrations shall be listed in Table 4.9 below:

Table 4.9 Maximum Concentration of Contaminants for the Toxicity Characteristic

EPA Hazardous Waste Number	Contaminant	Chemical Abstract Number	Regulatory Level (milligrams per liter)
D004	Arsenic	7440-38-2	5.0
D005	Barium	7440-39-3	100.0
D018	Benzene	71-43-2	0.5
D006	Cadmium	7440-43-9	1.0
D019	Carbon tetrachloride	56-23-5	0.5
D020	Chlordane	57-74-9	0.03
D021	Chlorobenzene	108-90-7	100.0
D022	Chloroform	67-66-3	6.0
D007	Chromium	7440-47-3	5.0
D023	o-Cresol	95-48-7	200.0
D024	m-Cresol	108-39-4	200.0
D025	p-Cresol	106-44-5	200.0

EPA Hazardous Waste Number	Contaminant	Chemical Abstract Number	Regulatory Level (milligrams per liter)
D026	Cresol	.....	200.0
D016	2,4-D	94-75-7	10.0
D027	1,4-Dichlorobenzene	106-46-7	7.5
D028	1,2-Dichloroethane	107-06-2	0.5
D029	1,1-Dichloroethylene	75-35-4	0.7
D030	2,4-Dinitrotoluene	121-14-2	0.13
D012	Endrin	72-20-8	0.02
D031	Heptachlor (and its epoxide).	76-44-8	0.008
D032	Hexachlorobenzene	118-74-1	0.13
D033	Hexachlorobutadiene	87-68-3	0.5
D034	Hexachloroethane	67-72-1	3.0
D008	Lead	7439-92-1	5.0
D013	Lindane	58-89-9	0.4
D009	Mercury	7439-97-6	0.2
D014	Methoxychlor	72-43-5	10.0
D035	Methyl ethyl ketone	78-93-3	200.0
D036	Nitrobenzene	98-95-3	2.0
D037	Pentachlorophenol	87-86-5	100.0
D038	Pyridine	110-86-1	5.0
D010	Selenium	7782-49-2	1.0
D011	Silver	7440-22-4	5.0
D039	Tetrachloroethylene	127-18-4	0.7
D015	Toxaphene	8001-35-2	0.5
D040	Trichloroethylene	79-01-6	0.5
D041	2,4,5-Trichlorophenol	95-95-4	400.0
D042	2,4,6-Trichlorophenol	88-06-2	2.0
D017	2,4,5-TP (Silvex)	93-72-1	1.0
D043	Vinyl chloride	75-01-4	0.2

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #6384-B, eff 11-26-96; ss by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

PART Env-Hw 404 OTHER HAZARDOUS WASTES

Env-Hw 404.01 Hazardous Waste Mixtures.

(a) The following mixtures shall be regulated as hazardous wastes:

(1) Any waste or material, mixed with any waste listed in Env-Hw 402.04, Env-Hw 402.05(b), Env-Hw 402.06(a) or Env-Hw 402.07(a); or

(2) Any waste or material, mixed with any waste exhibiting a hazardous waste characteristic identified in Env-Hw 403, if the resultant mixture exhibits one or more of the hazardous characteristics identified in Env-Hw 403 or by the department in accordance with Env-Hw 405.03.

(b) Mixing, neutralizing, diluting, or otherwise treating any hazardous waste or other material regulated under Env-Hw 400 shall constitute hazardous waste treatment. Any such treatment shall comply with all permit requirements and facility standards.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; amd by #7578, eff 10-13-01; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 404.02 Spills Residues and Contaminated Soil, Water and Debris. Any residue or contaminated soil, water or other debris resulting from the spill or cleanup of a spill into or on any land or water of any hazardous waste or any material listed in Env-Hw 402 shall be regulated as a hazardous waste mixture in accordance with Env-Hw 404.01.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 404.03 Treatment, Storage, or Disposal Residues.

(a) Any waste generated from the treatment, storage, or disposal of a hazardous waste, including any sludge, spill residue, ash, emission control dust, or leachate, including precipitation run-off that exhibits a hazardous characteristic, shall be considered a hazardous waste except as provided by Env-Hw 401.03(b)(15).

(b) Any waste identified in (a), above, which does not have an EPA or New Hampshire hazardous waste number shall be assigned the waste number of NH98.

(c) Materials that are reclaimed from wastes and that are used beneficially shall not be wastes and hence shall not be considered hazardous wastes under this chapter unless the reclaimed material is burned for energy recovery or used in a manner constituting disposal.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 404.04 Hazardous Waste Residues in Empty Containers.

(a) Hazardous waste residue remaining in either an empty container or an inner liner removed from an empty container, as defined in Env-Hw 401.03(h), shall not be subject to regulation under the hazardous waste rules, provided that the residue is not mixed with any other material and remains in its original container or inner liner.

(b) Any hazardous waste residue or mixture of residue with other material which leaves the confines of a container after the container has been determined to be empty in accordance with Env-Hw 401.03(h), including washwaters, solvents and other materials generated in the process of cleaning and purging, shall be subject to regulation under Env-Hw 404 as a hazardous waste mixture.

Source. #5886, eff 8-26-94; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

PART Env-Hw 405 LISTING AND IDENTIFYING ADDITIONAL HAZARDOUS WASTES

Env-Hw 405.01 Procedure for Listing New Hampshire Listed Wastes.

(a) The department shall list a waste as a New Hampshire listed hazardous waste in Env-Hw 402.04 or Env-Hw 402.05 if the department determines that the waste meets the criteria set forth in Env-Hw 405.02.

(b) The department shall list in Env-Hw 402.04 or Env-Hw 402.05 as hazardous any waste shown by the public or industry to meet the criteria set forth in Env-Hw 405.02.

(c) The procedure for listing additional New Hampshire listed hazardous wastes shall conform with RSA 541-A:3.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 405.02 Criteria for Listing a Hazardous Waste.

(a) The department shall list a waste as a New Hampshire acutely hazardous waste in Env-Hw 402.04(c) only upon determining that the waste meets one of the following criteria:

(1) It has been found to be fatal to humans in low doses;

(2) In the absence of data on human toxicity, it has been shown in studies to have:

a. An oral LD 50 toxicity (rat) of less than 50 milligrams per kilogram;

b. An inhalation LC 50 toxicity (rat) of less than 2 milligrams per liter; or

c. A dermal LD 50 toxicity (rabbit) of less than 200 milligrams per kilogram; or

(3) Is otherwise capable of causing or significantly contributing to an increase in serious irreversible, or incapacitating reversible, illness.

(b) The department shall list a waste as a New Hampshire toxic hazardous waste in Env-Hw 402.05(c) if it contains any of the toxic constituents listed in 40 CFR 261 Appendix VIII, 7-1-07 edition and, after

considering the following factors, the department concludes that the waste is capable of posing a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported or disposed of, or otherwise managed:

(1) The nature of the toxicity presented by the constituent;

(2) The concentration of the constituent in the waste;

(3) The potential of the constituent or any toxic degradation product of the constituent to migrate from the waste into the environment under the types of improper management considered in (b)(7), below;

(4) The persistence of the constituent or any toxic degradation product of the constituent;

(5) The potential for the constituent or any toxic degradation product of the constituent to degrade into non-harmful constituents and the rate of degradation;

(6) The degree to which the constituent or any degradation product of the constituent bioaccumulates in ecosystems;

(7) The plausible types of improper management to which the waste could be subjected;

(8) The quantities of the waste generated at individual generation sites or on a regional or national basis;

(9) The nature and severity of the human health and environmental damage that has occurred as a result of the improper management of wastes containing the constituent;

(10) Action taken by other governmental agencies or regulatory programs based on the health or environmental hazard posed by the waste or waste constituent; and

(11) Such other factors relevant to the determination as brought to the department's attention by any person or agency.

(c) The department shall list classes or types of waste as hazardous waste if it has reason to believe that individual wastes, within the class or type of waste, typically or frequently are hazardous under the definition of hazardous waste found in RSA 147-A:2, VII.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 405.03 Criteria for Identifying Characteristic Wastes. The department shall identify and define a characteristic of hazardous waste only upon determining that:

(a) A waste that exhibits the characteristic may:

(1) Cause or contribute to an increase in mortality or an increase in irreversible or incapacitating reversible illness; or

(2) Pose a present or potential hazard to human health or the environment when it is improperly treated, stored, transported, disposed of or otherwise managed; and

(b) The characteristic can be:

(1) Measured by an available standardized test method which is within the capability of generators of waste or private sector laboratories that are available to serve generators of waste; or

(2) Detected by generators of waste through their knowledge of their waste.

Source. #5886, eff 8-26-95; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

PART Env-Hw 406 DELISTING HAZARDOUS WASTES

Env-Hw 406.01 Requests for Delisting.

(a) Any person may petition the department to request delisting of the hazardous waste generated at a particular facility provided that:

(1) The waste is listed in Env-Hw 402.04(c), Env-Hw 402.05(c), Env-Hw 402.06(c), or Env-Hw 402.07(b); or

(2) The waste is listed in Env-Hw 402.04(b), Env-Hw 402.05(b), Env-Hw 402.06(a), or Env-Hw 402.07(a), and EPA has excluded the waste generated at the facility pursuant to 40 CFR 260.20 and 40 CFR 260.22, 7-1-07 edition and listed it in 40 CFR 261 Appendix IX, 7-1-07 edition.

(b) A delisting petition shall only apply to the hazardous waste generated at the individual facility named in the petition.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; amd by #7207-B, eff 2-26-00; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 406.02 Requirements for Delisting.

(a) The petitioner shall be granted a delisting providing the requirements of Env-Hw 200 and the requirements of this section are met.

(b) The petitioner shall demonstrate the following:

(1) The waste produced by a particular generating facility fails to meet any of the criteria under which the waste was listed as a hazardous waste;

(2) The waste is not capable of posing a significant present or potential threat to human health or the environment when improperly treated, stored, transported, disposed of, or otherwise mismanaged;

(3) Factors to be used in determining the threat capability set forth in (b)(2), above, shall include those set forth in 40 CFR 261.11(a)(3), 7-1-07 edition;

(4) The waste for which delisting is requested is not ignitable, corrosive, reactive, or toxic, as defined in Env-Hw 403;

(5) The waste does not contain any of the hazardous waste constituents listed in Appendix VIII of 40 CFR 261, 7-1-07 edition, using the appropriate test methods prescribed in 40 CFR 261 Appendix I, 7-1-07 edition, or although containing one or more of the constituents in Appendix VII or Appendix VIII, that the waste does not meet the criterion of Env-Hw 405.02(b);

(6) The waste does not meet the criteria of 40 CFR 261.11(a)(2), 7-1-07 edition; and

(7) All test methods and procedures are in conformance with the procedures, methods, and requirements referenced in (f) through (h), below, and in 40 CFR 260.11 and 40 CFR Part 261, 7-1-07 edition, or with any other method approved by EPA prior to filing a petition for delisting.

(c) The petitioner shall provide the following to the department:

(1) The petitioner's name and address;

(2) The location of the facility generating the waste for which the delisting is requested, along with a plot plan identifying the facility and surrounding properties located within 1,000 feet of the facility;

(3) A statement of the delisting action requested;

(4) A statement of the petitioner's interest in the delisting action requested;

(5) A statement of the petitioner's need and justification for the delisting action requested;

(6) A description of the waste for which the delisting is requested including a statement as to which category of waste in Env-Hw 402.01 it may be classified;

(7) An estimate of the average and the maximum quantities of the waste for which the delisting is requested generated monthly and annually;

(8) A description and flow diagram of the process generating the waste for which delisting is requested;

(9) A list, description, and schematic diagram for each process which may contribute waste, wastewater, or rinsewater to the waste for which delisting is requested;

(10) A complete list of all raw materials, and, where known, intermediates, by-products, and products used in the manufacturing process grouped by sub-process;

(11) Copies of manufacturer's material safety data sheets and supplier's technical specification sheets for all materials including but not limited to solvents, acid cleaners, surface preparation agents, and paints used in the petitioner's manufacturing processes;

(12) An assessment of whether the manufacturing processes, facility operations, or feed materials can or might produce a waste that is not covered by the petition;

(13) A description of all tests performed on the waste for which delisting is requested and copies of all analytical results;

(14) A description of the methodologies and equipment used to obtain representative samples of the waste;

(15) A description of sample handling and preparation techniques, including those for extraction, containerization, and preservation of samples;

(16) Sampling and testing dates;

(17) The name and address of laboratory facilities sampling or testing the wastes for which delisting is requested;

(18) The names and qualifications of those doing the sampling and/or testing of the waste for which delisting is requested;

(19) The names, model numbers, year of manufacture, and last date of calibration of all instruments used in performing the tests referred to in Env-Hw 406.02(c)(13);

(20) A plan for treatment, storage or disposal of the delisted waste if delisting of the waste is to be permitted by the department; and

(21) The following statement signed by the generator of the waste for which delisting is requested or the generator's authorized representative:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this petition and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining or generating the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

(d) After receiving a petition for delisting, the department shall request any other additional information which is reasonably required to evaluate the petition.

(e) The following factors shall be used by the department in defining whether a reasonable basis exists:

(1) A 40 CFR Part 261 Appendix VIII, 7-1-07 edition, toxicant is used as a raw material or intermediate;

(2) A 40 CFR Part 261 Appendix VIII, 7-1-07 edition, toxicant is used in the process as a catalyst, reactant, inhibitor, binder, or enhancer;

(3) A 40 CFR Part 261 Appendix VIII, 7-1-07 edition, toxicant is produced as a by-product or product;

(4) Analytical data presented in the petition discloses that hazardous levels of toxicants are contained in the waste;

(5) Process chemistry of reactions conducted at the facility indicate the formation of toxic by-product contaminants;

(6) Industry study data shows presence of other toxic constituents;

(7) Other data collected through review of scientific, toxicological and industrial literature indicates the presence of additional hazardous constituents;

(8) Compliance history of the petitioner;

(9) Operational data collected during state of New Hampshire inspection visits; and

(10) Other factors that are relevant to the determination as brought to the department's attention by any person or agency.

(f) The petitioner shall perform the following tests and analyses and submit the results to the department:

(1) If other hazardous waste constituents are found to be present in the waste stream, the percentage of the oil content in the waste stream by analyzing at least 4 representative samples using ASTM Method 502D from Standard Methods, 15th edition, 1980;

(2) Total organic carbon and report results on the representative samples using Methods No. 415.1 - Total Organic Carbon (Combustion or Oxidation) of Methods for Chemical Analysis of Water and Wastes as printed by the U.S. Environmental Protection Agency, March 1979;

(3) For wastes containing or processes using cyanide, the petitioner shall perform the following tests:

a. For liquids, total and free cyanide or cyanide amenable to chlorination, tests run on representative waste samples using Method #9010 in SW-846;

b. For solids and semi-solids, the cyanide extraction procedure, ASTM method number 412.2A and B (from Standard Methods, l5th edition, 1980), to determine the total soluble and insoluble cyanide;

c. If the cyanide tests run in a. and b., above, indicate that there is an interference in the waste producing non-representative concentrations, then a detailed explanation of this interference shall be submitted and the waste shall be tested on at least four representative waste samples using Test Method for the Determination of Reactive Cyanide and Sulfide Containing Wastes, Final Method, and Proposed Revision of D2036-81C for the Determination of Reactive Cyanide in Solid Waste; and

d. If total cyanide exceeds 10 ppm in clause a above, the appropriate test as determined by the selection method found in Standard Methods, 15th edition, Section 412-3, shall be performed on representative waste samples;

(4) For organic wastes, total content of all hazardous constituents shall be quantified in representative waste samples using Method Nos. 8250, 8260, and 8270 in SW-846; and

(5) For reactive wastes, representative waste samples shall be tested using the Department of the Army's Detonation Test, Ignition and Unconfined Burning Test, Thermal Stability Test, Card Gap Test, and Impact Sensitivity Test as set forth in Department of Army publication number TB700-2.

(g) Representative samples shall consist of a sufficient number of samples, but in no case less than 4, and shall be taken over a period of time sufficient to represent the variability and the uniformity of the waste. A signed statement shall be provided by the petitioner verifying that the number of samples collected and analyzed is representative of any variation in constituent concentrations in the waste over time.

(h) If hazardous waste constituents listed in Table 4.9 of Env-Hw 403 other than those for which delisting is requested might be present in the waste stream, the petitioner shall take representative samples of

such waste stream and analyze those samples in order to quantify all hazardous waste constituents in the waste stream. A description and the results of all analyses performed shall be submitted to the department.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 406.03 Conditional Delisting.

(a) The department shall grant delistings with or without conditions.

(b) In cases where a delisting is granted with conditions, such conditions shall be based on the need for the petitioner to demonstrate periodically that the delisted waste is being managed in such a way that it does not pose a present or potential threat to human health or the environment.

(c) In cases where a delisting is granted with conditions, such conditions shall include the following:

(1) Performing scheduled analytical testing on the delisted waste and reporting results;

(2) Quality assurance/quality control monitoring of the processes producing the delisted waste and reporting results; and

(3) For disposed wastes, design standards such as groundwater monitoring.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

Env-Hw 406.04 Partial Delisting. The department shall delist only part of the hazardous waste for which the petition is submitted if variability of the waste justifies this action.

Source. #5053, eff 1-24-91; ss by #5886, eff 8-26-94; ss by #7333, eff 8-1-00; ss by #9215, INTERIM, eff 8-1-08; (See Revision Note at chapter heading for Env-Hw 400) ss by #9367, eff 1-28-09

APPENDIX

Rule Section(s)	State Statute(s)	Federal Regulation(s)
Env-Hw 400	RSA 147-A:3, I & IV	40 CFR 261