D-1. WASTE MANAGEMENT

I. SCOPE

These procedures apply to all facilities, including off-site, of the NCI-Frederick, including government owned and operated as well as government owned and contractor operated. Specific requirements for the management of other solid wastes are more fully explained in other chapters of this manual.

II. PURPOSE

This section summarizes the responsibilities, requirements, and instructions for the management of solid wastes generated at the NCI-Frederick including biohazardous, chemical, radiological, and mixed wastes.

III. DEFINITIONS

Medical Waste - At the NCI-Frederick, medical waste includes special medical waste as defined by COMAR 10.06.06.03, **and** other laboratory items which may be perceived by the public as medical waste, such as pipets, culture tubes/flasks, etc.

Mixed Waste - Hazardous waste that also contains low-level nuclear waste as defined in Maryland Environmental Article §7-201.

Radioactive Waste - Solid, liquid or gaseous materials from nuclear operations that are radioactive or become radioactive and for which there is no further use.

Hazardous Waste - A solid, liquid, or gas that is no longer suited for its intended purpose and that is ignitable, corrosive, toxic, reactive, or listed by the United States Environmental Protection Agency (EPA) in 40 CFR 261, or the Maryland Department of the Environment (MDE) in COMAR 26.13. In general, excess or spent hazardous material to be disposed of or recycled is considered hazardous waste.

Satellite Accumulation Point - A point at or near any point of generation where wastes initially accumulate, which is under control of the operator of the process generating the waste, and where as much as 55 gallons of hazardous waste or one quart of acutely hazardous waste is collected in containers.

Sharps - Syringe, needle, surgical instrument, or other article that has cut punctured human skin or come in contact with a known infectious agent.

Solid Waste - Any discarded material as defined by COMAR 26.13.02.02 which is not otherwise excluded from regulation. Solid waste includes the following:

1. Garbage, refuse, or sludge.

2. Solid, liquid, semi-solid, or contained gaseous material which is abandoned, recycled, or considered inherently waste-like.

Solid waste does not include the following:

1. Industrial wastewater discharges subject to regulation under Section 402 of the Clean Water Act, as amended.

2. Source, special nuclear or byproduct material as defined by the Atomic Energy Act of 1954, as amended.

Special Medical Waste - waste that contains anatomical material; blood; blood soiled articles; contaminated material; microbiological laboratory waste; or sharps.

IV. RESPONSIBILITIES

A. Supervisors are responsible for enforcing the requirements and practices contained in this procedure, and ensuring that all wastes generated as a result of activities under their supervision are properly segregated, labeled, containerized, and transferred.

B. Employees are responsible for understanding and complying with all policies governing management of wastes generated by their activities while working at the NCI-Frederick.

C. U.S. Army Garrison, Fort Detrick (USAG), through an Interdepartmental Support Agreement, is responsible for the transportation, incineration and land filling of all solid wastes (except hazardous wastes) generated by activities at the NCI-Frederick.

D. Facilities Maintenance and Engineering (FME) is responsible for collecting solid wastes (except hazardous wastes and special medical wastes) from the NCI-Frederick campus and placing these wastes in designated containers for pickup by either the USAG or the Environment, Health and Safety Program (EHS).

E. EHS is responsible for policies and procedures for the classification, handling, and disposal of solid, medical, radioactive, and hazardous wastes generated at the NCI-Frederick.

V. PROCEDURES

A. Medical Waste

1. All medical waste, including autoclaved waste, red bagged material, broken glass boxes, and biomedical waste boxes shall be placed in the medical waste carts. NEVER use any dumpster for disposal of medical waste, including needles, other sharps, animals or pathological waste. Never leave medical waste on the ground.

   a. Biomedical waste containers, item number SPWH-66401506 are recommended for the disposal of medical waste. These are designed to be used one time and are not to be reused. They provide adequate protection for the personnel handling the waste and clearly identify the waste as medical. Material which is to be autoclaved should be placed in polypropylene bags, item numbers SPWH-810510031 (30" x 36") or SPWH-81051033 (12" x 24"). Red-tinted bags may also be used for non-infectious laboratory waste. Two sizes are available (SPWH-81050124 (24" x 24") and SPWH-81050122 (36" x 48")). All are available and stocked in the warehouse.

      NOTE: Medical waste containers and biomedical waste boxes must **NOT** be filled past the fill line. Red bagged waste must be put in medical waste carts. Red bags used in small administrative trash cans are not recommended.

   b. Animals and other pathological waste should be properly packaged in a leakproof container and placed in the designated animal cart before 10 a.m. Monday – Friday. Animal carts can be requested from the USAG by calling 9-619-2323. Animal bedding should also be properly packaged and put in the medical waste carts.

c. Needles and syringes shall be kept in the custody of a responsible person at all times until disposed. Two sizes of sharps containers (SPWH-66401505 (5 gal.) and SPWH-66401504 (9.5 qt.)) are stocked in the warehouse and shall be used for the disposal of needles and syringes. These containers shall be sealed when three-fourths full and placed in the medical waste cart outside the building (FME service workers do not handle needles and syringes).

d. Other sharps, including scalpels, razor blades, broken glass, glass pipettes and other items which may penetrate human skin, shall be placed in a rigid puncture-resistant container and handled as medical waste. The rigid puncture-resistant container shall be placed in the medical waste cart with the other medical waste.

e. All potentially infectious liquid wastes must be appropriately disinfected before discharge into any drain. The use of sodium hypochlorite solution, e.g. CLOROX bleach, is recommended. Adding one part bleach to nine parts waste is sufficient (final solution 1:10 bleach:waste). Allow the bleach-waste mixture to sit for a minimum of 30 minutes before the liquid is poured down the drain. Other liquid disinfectants may be used with prior approval of EHS. Call Biological Safety for guidance at x5918.

B. Chemical Waste

1. Waste is legally defined as hazardous waste in either of two ways: the waste may be specifically listed as hazardous by the EPA or the MDE (“listed hazardous waste”), or it may exhibit one of four hazardous characteristics as defined by the EPA or the MDE (“characteristic hazardous waste”). If you are unsure about any waste material, contact the EHS at x1451. “Listed hazardous wastes” generated on a recurring basis at the NCI-Frederick are identified in Table D-1-2 and D-1-3.

   In addition to “listed hazardous wastes”, “characteristic hazardous wastes” are also subject to regulation. The four characteristics are:

Ignitable - includes any liquid with a flash point less than 140^{o}F (60^{o}C), as well as any oxidizers, flammable solids, and flammable gases.

Note: wastes containing 10% or more of common solvents such as methanol or ethanol have a flash point below 140^{o}F and are ignitable hazardous waste.

Corrosive - includes any aqueous liquid with a pH ≤2 or ≥12.5, and any liquid which corrodes steel faster than the designated rate.

Reactive - includes explosives, cyanide or sulfide-bearing wastes, and materials which, when mixed with water, react violently or generate flammable or toxic gases.

Toxic - includes wastes which, under specified test conditions, yield an extract containing any of the compounds in Table D-1-1 in excess of their regulatory levels. As an example, note that as little as 2 drops of chloroform dissolved in 20 L of waste must be handled as hazardous waste.

The basic rules for managing chemical wastes generated at the NCI-Frederick are:

a. **NEVER** pour hazardous wastes down the drain. Call EHS if you are not certain whether a waste is suitable for drain disposal.

b. Solvents and flammable wastes shall be poured into waste containers which are available from EHS (x5718).

c. Segregate halogenated and non-halogenated solvent wastes. Common halogenated solvents include methylene chloride, chloroform, freons, and trichloroethylene. Common non-halogenated solvents include ether, methanol, isopropanol, toluene, and xylene.

d. The following is a partial list of waste streams that shall not be co-mingled with other wastes in the same container because of incompatibilities and/or disposal/recycling requirements:

   Oils (vacuum pump)

Flammable liquids (isopropyl alcohol, ethanol, kerosene, methyl ethyl ketone, acetone, ether, methanol, toluene, xylene, etc.)

Halogenated solvents (methylene chloride, 1,1,1 - Trichloroethane, chloroform, freons, trichloroethylene)

Oxidizers (>40% nitric acid, ammonium nitrate, chromic acid, ammonium persulfate, etc.)

Poisons (mercury, arsenic, etc.)

Organic acids (acetic acid, formic acid, etc.)

Inorganic acids (hydrochloric acid, sulfuric acid, hydrofluoric acid, etc.)

Mixed waste (phenol/chloroform mixtures or pump oil contaminated with ^{3}H, ^{14}C, ^{32}P, etc., scintillation fluids containing more than 0.05 µCi/gram of ^{3}H or ^{14}C, scintillation fluids containing isotopes other than ^{3}H or ^{14}C, etc.)

Note 1: Further segregation within the above waste streams may be required because of chemical incompatibilities. If uncertain as to waste collection and storage requirements, contact EHS.

Note 2: Flammable solvents, halogenated solvents, and organic acids shall be segregated to the extent practicable to minimize recycling or disposal costs.

Note 3: Avoid generating mixed waste by substituting non-regulated chemicals and solvents, using non-radioactive assay techniques, and properly identifying and separating chemical and radioactive wastes.

e. Attach a completed “NCI-Frederick Hazardous Waste Disposal Summary Sheet” (Exhibit D-1-2) to each waste container. This sheet contains the following required information:

I. On-site generator's name, building and room number, telephone extension, and center number;

ii. Satellite accumulation start date (i.e., date waste is first added to the container at a satellite accumulation point); and container size (e.g. 20 liters).

iii. Waste contents: each time waste is added to the container, list the following information:

(a) chemical name(s);

(b) amount added to the container;

(c) initials of person adding waste to the container;

Note: Sheets are available from EHS

f. Waste containers must be closed at all times unless waste is being added to the container. Check containers regularly to make sure that they are not leaking. If containers are found to be leaking, notify EHS at x911.

g. Leave at least 3 inches of head space in any hazardous waste drum containing liquid.

h. Hazardous wastes are picked up weekly. Call EHS at x5718 to arrange for pickup. All wastes shall be properly identified. Check the Material Safety Data Sheet (MSDS) to identify hazardous components in products such as batteries, maintenance and cleaning products, and photographic chemicals. Many of these must be disposed of as hazardous waste.

l. **NEVER** place hazardous wastes in the trash. If not hazardous waste, burnable items (e.g., benchtop liners, pipet tips) minimally contaminated with carcinogens should be double-bagged and placed in the medical waste carts for pickup by the Army and incineration.

Note: contact EHS for approval before using this disposal method.

j. Dilute aqueous solutions of many carcinogens may be poured into special one gallon plastic containers packed with absorbent material, which are available from the warehouse. Fill until free liquid can be seen at the bottom of the container. When free liquid is visible, the container shall be capped, placed in a plastic bag, labeled “Caution - Chemical Carcinogen", and placed in a medical waste cart for incineration by USAG personnel. Stock solutions, undiluted carcinogens, and any regulated hazardous wastes must be disposed of through EHS.

Note: contact EHS for approval before using this disposal method.

k. Empty chemical bottles should be rinsed before disposal as non-contaminated trash. Empty bottles with residues of acutely hazardous or "P-listed" chemicals (Table D-1-4) must be disposed of as hazardous waste, or the bottle must be triple-rinsed with water, detergent or an appropriate solvent, and the rinsate must be collected for disposal as hazardous waste. Examples of “P-listed" chemicals include cyanides, sodium azide, and epinephrine. Note that in Maryland, wastes containing as little as 500 ppm of polychlorinated biphenyls are considered acutely hazardous, and container residues must be disposed of as hazardous waste.

l. Do **NOT** mix radioactive and chemical wastes. Disposal of such mixtures may be impossible, extremely difficult, or expensive.

C. Radiological Waste

1. This includes those solid and liquid wastes with measurable quantities of radiation. EHS personnel will pick up radioactive wastes. For questions or to arrange for pickup call x1384.

a. **Solid Radioactive Waste** - shall be segregated based on the isotopic half-life as follows:

i. Class 1: isotopes with a half-life less than 15 days (e.g., ^{32}P, ^{111}In).

ii. Class 2: isotopes with a half-life of from 15 to 100

days (e.g., ^{33}P, ^{51}Cr, ^{125}I).

iii. Class 3: isotopes with a half-life greater than 100 days (e.g., ^{3}H, ^{14}C, ^{63}Ni).

Each class of waste will be placed into separate, clear, plastic bags, which are labeled to indicate each name, date, program number, isotope and associated activity. The labels (SPWH # 66401279) are available from the warehouse. The bags are then placed into the 30-gallon solid waste drums labeled and supplied by EHS.

b. **Radioactive Animal Carcasses** - Animal carcasses or animal parts containing radioisotopes shall be segregated and sealed in polyethylene bags. These bags must be properly labeled to include the name, date, program number, isotope(s), number of animals, and total activity using label # SPWH # 66401279. The animal carcasses must be frozen at time of transfer to EHS.

c. **Scintillation Vials** - Used vials are returned to the compartmentalized cardboard containers or double bagged after separation into the following groups:

i. Tritium (^{3}H) and carbon (^{14}C): vials containing less than 0.05 microcuries/gram of fluid (3×10^{4} cpm/ml fluid) are not considered radioactive for disposal purposes and may be placed with background vials. Tritium (^{3}H) and carbon (^{14}C) vials containing greater than an average of 0.05 microcuries/gram of fluid must be kept separate from all other vials.

ii. Phosphorus (^{32}P), and iodine (^{131}I) vials may be mixed together and will be disposed of as radioactive waste.

iii. All other isotopes with a half-life of less than 100 days, such as sulfur (^{35}S), chromium (^{51}Cr), selenium (^{75}Se), and iodine (^{125}I) may be mixed together and will be disposed of as radioactive waste.

Each group of waste will be labeled with a dry waste tag to indicate name, date, program number, isotope,

and associated activity, and labeled with the “NCI-Frederick Hazardous Waste Disposal Summary Sheet” to identify all chemicals and/or scintillation cocktails present. Non-hazardous cocktails should be used whenever possible to avoid generation of mixed waste.

d. **Liquid Radioactive Waste**

i. Hazardous radioactive waste: This type of waste, considered "mixed waste", is under dual regulation by the EPA and the NRC. At present, a limited disposal mechanism exists for this waste type and its generation should be minimized as much as possible.

ii. Aqueous radioactive waste: Waste of this type is collected and assayed by EHS personnel and disposed of through the Hazardous Waste Disposal Contractor.

Carboys containing chemicals such as ethanol, methanol greater than 5% and/or containing any F-listed chemicals (Table D-1-2), and/or any toxic chemicals (Table D-1-1) will be considered mixed waste and must be kept separate from the aqueous radioactive carboys. Contact EHS (x5718 or x1384) for further guidance and disposal of mixed waste.

Beta and gamma emitters may be mixed in a 5 gallon carboy according to the half-life considerations described for the solid waste categories except for (^{35}S) which must be kept separate from other mixtures and (^{111}In) which must be kept separate as well. The total activity per carboy should not exceed the following levels per isotope listed:

Carbon (^{14}C)	3 millicuries
Tritium (^{3}H)	10 millicuries of each
Sulfur (^{35}S)	4 millicuries
Iodine (^{125}I)	1 millicuries
Chromium (^{51}Cr)	1 millicuries
Phosphorus (^{33}P)	1 millicurie
Phosphorus (^{32}P)	1 millicurie

Indium (^{111}In)	1 millicurie

High activity, low volume phosphorus or sulfur waste (>1 mCi) should be isolated in a separate container, and will be collected by EHS personnel for disposal through the Hazardous Waste Disposal Contractor.

D. Ordinary (Non-Medical, Non-Hazardous, Non-Radioactive) Solid Wastes

1. Burnable waste includes most materials from non-laboratory work areas, including offices, lunch rooms and meeting rooms. This waste should be placed in the burnable dumpsters or recycled, as appropriate. It must be realized that although the wastes in the burnable dumpsters are usually incinerated, there are times when it is taken directly to the Fort Detrick landfill by the Army. Therefore, **laboratory wastes must never be placed in any dumpster, even the ones designated as "BURNABLE".**

2. Non-burnable waste includes scrap metal, aluminum cans, glass, etc. Many of these items can be recycled. Call the Fort Detrick Recycling Center for information on the recycling program at 9-619-2323.

3. Waste generated off the NCI-Frederick should **not** be brought onto Fort Detrick for disposal. The only exception is material that can be recycled by the USAG recycling program. The appropriate recycling container shall be used. Any questions about what materials can be recycled should be directed to the USAG Recycling Center at 9-619-2323.

Note: Do Not use a red bag for ordinary solid wastes or recycling items. Red bags are only for medical waste.

E. Waste Minimization

1. The NCI-Frederick is required to minimize hazardous waste generated. Useful waste minimization techniques include:

   a. Substitution of less hazardous products. For example, replace mercury thermometers with non-mercury alternatives available from the supply warehouse. Replace flammable and potentially toxic scintillation counting fluids with environmentally friendly alternatives available from the

central supply warehouse.

b. Ordering chemicals in minimum quantities. Excessive chemical orders represent a significant waste of resources. Some vendors have begun offering smaller-size packages to reduce waste, enhance safety, and avoid problems associated with storage and contamination.

c. Checking the surplus chemical listing before ordering chemicals. EHS provides a list of surplus chemicals available at no cost. Most surplus chemicals are in unopened containers, and a list is circulated every other month. Contact EHS at x5718 or check online at web.ncifcrf.gov/campus/safety/avail/index.stm for updated surplus inventory lists.

d. Recovering and reusing chemicals. Mercury and many solvents can be redistilled and reused, and the procedure is economical for medium to large scale processes. Contact EHS for more details.

e. Using silver-recovery units on all photographic processing equipment. These units recover significant amounts of silver which would otherwise be released into the environment.

f. Order compressed gases from vendors that offer returnable cylinders. Non-returnable cylinders such as lecture bottles may incur significant disposal costs.

g. Maintenance products used for degreasing operations and spray paints containing environmentally friendly chemicals should be used instead of degreasers containing halogenated solvent.

VI. REFERENCES

Fort Detrick Regulation 385-4 - Management of Medical Waste, Section D-1

Health, Safety and Environmental Compliance Program Manual - Hazardous Waste Disposal
Waste Minimization SOP
COMAR 26.13 Disposal of Controlled Hazardous Substances
COMAR 10.06.06 Handling, Treatment, and Disposal of Special Medical Waste
40 CFR 260: Hazardous Waste Management System, General
40 CFR 261: Identification and Listing of Hazardous Waste
40 CFR 262: Standards Applicable to Generators of Hazardous Waste
Executive Order 13148: Federal Compliance With Right-to-Know Laws and Pollution Prevention Requirements.
NCI-Frederick Pollution Prevention Plan
Maryland Environment Article, Title 7, Subtitle 2 - Controlled Hazardous Substances

Exhibit D-1-1
WASTE MANAGEMENT GUIDE

WASTE TYPE	METHOD OF DISPOSAL	COMMENTS
Potentially infectious material, i.e. blood, serum, bacterial cultures, viral cultures, etc.	Disinfect using appropriate chemical or autoclave. Put in biomedical waste box or red-tinted bag. Put in medical waste cart.	For autoclaving, use autoclave bag (not red-tinted bag). All waste from BSL-3 labs must be disinfected or autoclaved before removal from lab.
Other laboratory waste, i.e, gloves, gowns, culture tubes, petri plates, pipettes, vials, animal bedding, etc.	Biomedical waste container, broken glass boxes, or red-tinted bags available from warehouse. Place in medical waste cart.	Red-tinted plastic bags must not be used for materials which may puncture bag.
Needles and syringes	Special sharps container available from warehouse, container stays in lab until ready for pickup. Put in medical waste cart outside the building.	Seal sharps containers when three-fourths full.
Animals, pathological waste	Place in bags and put in designated animal carts before 10 a.m. Monday - Friday.	Call 9-619-2323 for pickup.
Chemical waste[1]	Place in appropriate containers available from waste management or in DOT-specification drum.	Attach NCI-Frederick Hazardous Waste Summary Sheet to each container. Call EHS, X5718 for pickup.
Radioactive waste[2]	Place in appropriate container.	Call EHS, X1384 for pickup.
Non-medical waste, burnable, i.e. paper products, food items, and Styrofoam.	Office trash cans or other appropriate container.	Place in burnable dumpster unless it can be recycled.
Recycling Non-burnable, scrap metal, building materials, paper, cardboard, etc.	Place in appropriate recycling containers.	Call the Army Recycling Center (619-2323) with questions about recycling.

[1] Specific instructions for the packaging and disposal of chemical waste can be obtained by calling EHS at X5718

[2] Specific instructions for the packaging and disposal of radioactive wastes can be obtained by calling EHS at X1384

Exhibit D-1-2
NCI-FREDERICK HAZARDOUS WASTE DISPOSAL
SUMMARY SHEET

Print Your Name:

Bldg. & Room:_____ **Department:**
Satellite Accumulation
Center No:_____ **Start Date:**

INSTRUCTIONS: Please fill out one Summary Sheet for each container of waste. You must accurately summarize the container contents. Amounts must be in liters or kilograms. Use proper chemical names and write neatly. DO NOT use chemical formulas, structures, or abbreviations. Pickups will be every Wednesday morning. For pickup call X5718.

CONTAINER SUMMARY:

CHEMICALS	AMOUNTS (LITER/ KILOGRAM)

TOTAL AMOUNT
See back for log sheet

Exhibit D-1-2 (cont.)

NCI-FREDERICK HAZARDOUS WASTE LOG SHEET

INSTRUCTIONS: Please use this LOG SHEET to track wastes as they are added to the container. You may log waste using any notation or symbols you wish. Additional log sheets can be used as needed. Remember to complete a summary sheet prior to pickup.

CONTAINER LOG SHEET:

CHEMICALS	AMOUNTS	DATE	INITIALS

Table D-1-1
MAXIMUM CONCENTRATION OF CONTAMINANTS FOR THE TOXICITY CHARACTERISTIC

EPA HW No.[1]	Contaminant	CAS No.[2]	Regulatory Level (mg/L)
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	[4]200.0
D024	m-Cresol	108-39-4	[4]200.0
D025	p-Cresol	106-44-5	[4]200.0
D026	Cresol		[4]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	[3]0.13
D012	Endrin	72-20-8	0.02
D031	Heptachlor (and its epoxide)	76-44-8	0.008
D032	Hexachlorobenzene	118-74-1	[3]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	Pentrachlorophenol	87-86-5	100.0
D038	Pyridine	110-86-1	[3]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

[1]Hazardous waste number.
[2]Chemical abstracts service number.
[3]Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.
[4]If o-, m-, and p-Cresol concentrations cannot be differentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 mg/l.

Table D-1-2
HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES

EPA hazardous waste No.	Hazardous waste
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 ten 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
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 ten 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.
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; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F004	The following spent non-halogenated solvents: Cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten 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.
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 ten 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.
F027	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols.[1] (This listing does not include formulations containing Hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component).

[1] Compounds derived from chlorophenols include tetra-, penta-, and hexachlorodibenzo-*p*-dioxins; tetra-, penta-, and hexachlorodibenzofurans; and tri-, tetra-, and pentachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts.

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
U394	30558-43-1	A2213
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	194-75-7	Acetic acid, (2,4-dichlorophenoxy)-, salts & 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
U012	62-53-3	Aniline (I,T)
U136	75-60-5	Arsinic acid, dimethyl-
U014	492-80-8	Auramine
U015	115-02-6	Azaserine
U365	2212-67-1	H-Azepine-1-carbothioic acid, hexahydro-, S-ethyl ester.
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)]-
U280	101-27-9	Barban.
U278	22781-23-3	Bendiocarb.
U364	22961-82-6	Bendiocarb phenol.
U271	17804-35-2	Benomyl.
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

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
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
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-
U06	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-

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
U023	98-07-7	Benzene, (trichloromethyl)-
U234	99-35-4	Benzene, 1,3,5-trinitro-
U021	92-87-5	Benzidine
U202	181-07-2	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts
U364	22961-82-6	1,3-Benzodioxol-4-ol, 2,2-dimethyl-,
U278	22781-23-3	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate.
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-
U367	1563-38-8	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-
U064	189-55-9	Benzo[rst]pentaphene
U248	181-81-2	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & 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-
U401	97-74-5	Bis(dimethylthiocarbamoyl) sulfide.
U400	120-54-7	Bis(pentamethylene)thiuram tetrasulfide.
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-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-...2,3,5,7 a-tetrahydro-1H-pyrrolizin-1-yl ester,...[1S-[1alpha(Z),7(2S*,3R*),7aalpha]]-
U031	71-36-3	n-Butyl alcohol (I)
U392	2008-41-5	Butylate.
U136	75-60-5	Cacodylic acid
U032	13765-19-0	Calcium chromate

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
U372	10605-21-7	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester.
U271	17804-35-2	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester.
U375	55406-53-6	Carbamic acid, butyl-, 3-iodo-2-propynyl ester.
U280	101-27-9	Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester.
U238	51-79-6	Carbamic acid, ethyl ester
U178	615-53-2	Carbamic acid, methylnitroso-, ethyl ester
U373	122-42-9	Carbamic acid, phenyl-, 1-methylethyl ester.
U409	23564-05-8	Carbamic acid, [1,2-phenylenebis (iminocarbonothioyl)]bis-,dimethyl ester.
U097	79-44-7	Carbamic chloride, dimethyl-
U379	136-30-1	Carbamodithioic acid, dibutyl, sodium salt.
U277	95-06-7	Carbamodithioic acid, diethyl-, 2-chloro-2-propenyl ester.
U381	148-18-5	Carbamodithioic acid, diethyl-, sodium salt.
U383	128-03-0	Carbamodithioic acid, dimethyl, potassium salt.
U382	128-04-1	Carbamodithioic acid, dimethyl-, sodium salt.
U376	144-34-3	Carbamodithioic acid, dimethyl-, tetraanhydrosulfide with orthothioselenious acid.
U114	1111-54-6	Carbamodithioic acid, 1,2-ethanediylbis-,...salts & esters
U378	51026-28-9	Carbamodithioic acid, (hydroxymethyl)methyl-, mono- potassium salt.
U377	137-41-7	Carbamodithioic acid, methyl,-monopotassium salt.
U384	137-42-8	Carbamodithioic acid, methyl-, monosodium salt.
U062	2303-16-4	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester
U389	2303-17-5	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester.
U392	2008-41-5	Carbamothioic acid, bis(2-methylpropyl)-, S-ethyl ester.
U391	1114-71-2	Carbamothioic acid, butylethyl-, S-propyl ester.
U386	1134-23-2	Carbamothioic acid, cyclohexylethyl-, S-ethyl ester.
U390	759-94-4	Carbamothioic acid, dipropyl-, S-ethyl ester.
U387	52888-80-9	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester.
U385	1929-77-7	Carbamothioic acid, dipropyl-, S-propyl ester.
U279	63-25-2	Carbaryl.
U372	10605-21-7	Carbendazim.
U367	1563-38-8	Carbofuran phenol.
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)

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
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
U393	137-29-1	Copper, bis(dimethylcarbamodithioato-S,S')-,
U393	137-29-1	Copper dimethyldithiocarbamate.
U032	13765-19-0	Chromic acid H2CrO4, 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
U386	1134-23-2	Cycloate.
U386	1134-23-2	Cycloate.
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-,alpha,2alpha,3beta,4alpha,5alpha,6beta)-
U057	108-94-1	Cyclohexanon (I)
U130	77-47-4	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-
U058	50-18-0	Cyclophosphamide
U240	194-75-7	2,4-D, salts & esters
U059	20830-81-3	Daunomycin
U060	72-54-8	DDD
U061	50-29-3	DDT
U366	533-74-4	Dazomet.
U062	2303-16-4	Diallate
U063	53-70-3	Dibenz[a,h]anthracene
U064	189-55-9	Dibenzo[a,i]pyrene

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
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)
U395	5952-26-1	Diethylene glycol, dicarbamate.
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	Diethylstilbesterol
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
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

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
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
U403	97-77-8	Disulfiram.
U041	106-89-8	Epichlorohydrin
U390	759-94-4	EPTC.
U001	75-07-0	Ethanal (I)
U174	55-18-5	Ethanamine, N-ethyl-N-nitroso-
U404	121-44-8	Ethanamine, N,N-diethyl
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
U410	59669-26-0	Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester
U394	30558-43-1	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-,methyl ester.
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-
U395	5952-26-1	Ethanol, 2,2'-oxybis-, dicarbamate.
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)

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
U113	140-88-5	Ethyl acrylate (I)
U238	51-79-6	Ethyl carbamate (urethane)
U117	60-29-7	Ethyl ether (I)
U114	1111-54-6	Ethylenebisdithiocarbamic acid, salts & esters
U067	106-93-4	Ethylene dibromide
U077	107-06-2	Ethylene dichloride
U359	110-80-5	Ethylene glycol monoethyl ether
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
U407	14324-55-1	Ethyl Ziram.
U396	14484-64-1	Ferbam.
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)-...carbon- yl]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)

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
U135	7783-06-4	Hydrogen sulfide
U135	7783-06-4	Hydrogen sulfide H2S
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
U375	55406-53-6	3-Iodo-2-propynyl n-butylcarbamate.
U396	14484-64-1	Iron, tris(dimethylcarbamodithioato-S,S')-,
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
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
U384	137-42-8	Metam Sodium.
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-

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
		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)
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
U365	2212-67-1	Molinate.
U059	20830-81-3	5,12-Naphthacenedione, 8-acetyl-10- [(3-amino-2,3,6-tride-oxy)-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydr o-6 ,8,11-trihydroxy-1-methoxy-, (8S-cis)-
U167	134-32-7	1-Naphthalenamine
U168	91-59-8	2-Naphthalenamine
U026	494-03-1	Naphthalenamine, 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
U279	63-25-2	1-Naphthalenol, methylcarbamate.
U166	130-15-4	1,4-Naphthoquinone
U167	134-32-7	alpha-Naphthylamine

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
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
U391	1114-71-2	Pebulate.
U183	608-93-5	Pentachlorobenzene
U184	76-01-7	Pentachloroethane
U185	82-68-8	Pentachloronitrobenzene (PCNB)
See F027	87-86-5	Pentachlorophenol
U161	108-10-1	Pentanol, 4-methyl-
U186	504-60-9	1,3-Pentadiene (I)
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-
U411	114-26-1	Phenol, 2-(1-methylethoxy)-, methylcarbamate.
U170	100-02-7	Phenol, 4-nitro-

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
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	Phosphorus sulfide (R)
U190	85-44-9	Phthalic anhydride
U191	109-06-8	2-Picoline
U179	100-75-4	Piperidine, 1-nitroso-
U400	120-54-7	Piperidine, 1,1'-(tetrathiodicarbonothioyl)-bis-
U383	128-03-0	Potassium dimethyldithiocarbamate.
U378	51026-28-9	Potassium n-hydroxymethyl-n-methyldi-thiocarbamate.
U377	137-41-7	Potassium n-methyldithiocarbamate.
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-
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)
U373	122-42-9	Propham.
U411	114-26-1	Propoxur.

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
U194	107-10-8	n-Propylamine (I,T)
U083	78-87-5	Propylene dichloride
U387	52888-80-9	Prosulfocarb.
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-...chl oroethyl)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	181-07-2	Saccharin, & salts
U203	94-59-7	Safrole
U20	7783-00-8	Selenious acid
U204	7783-00-8	Selenium dioxide
U205	7488-56-4	Selenium sulfide
U205	7488-56-4	Selenium sulfide SeS2 (R,T)
U376	144-34-3	Selenium, tetrakis(dimethyldithiocarbamate).
U015	115-02-6	L-Serine, diazoacetate (ester)
See F027	93-72-1	Silvex (2,4,5-TP)
U379	136-30-1	Sodium dibutyldithiocarbamate.
U381	148-18-5	Sodium diethyldithiocarbamate.
U382	128-04-1	Sodium dimethyldithiocarbamate.
U206	18883-66-4	Streptozotocin
U277	95-06-7	Sulfallate.
U103	77-78-1	Sulfuric acid, dimethyl ester
U189	1314-80-3	Sulfur phosphide (R)
See F027	93-76-5	2,4,5-T
U402	1634-02-2	Tetrabutylthiuram disulfide.
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)
U401	97-74-5	Tetramethylthiuram monosulfide.
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

Table D-1-3
U-Listed HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
U217	10102-45-1	Thallium(I) nitrate
U366	533-74-4	2H-1,3,5-Thiadiazine-2-thione, tetrahydro-3,5-dimethyl-
U218	62-55-5	Thioacetamide
U410	59669-26-0	Thiodicarb.
U153	74-93-1	Thiomethanol (I,T)
U402	1634-02-2	Thioperoxydicarbonic diamide, tetrabutyl.
U403	97-77-8	Thioperoxydicarbonic diamide, tetraethyl.
U244	137-26-8	Thioperoxydicarbonic diamide [(H2N)C(S)]2S2, tetramethyl-
U409	23564-05-8	Thiophanate-methyl.
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
U389	2303-17-5	Triallate.
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
U404	121-44-8	Triethylamine.
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-
U385	1929-77-7	Vernolate.
U043	75-01-4	Vinyl chloride
U248	181-81-2	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)-
U407	14324-55-1	Zinc, bis(diethylcarbamodithioato-S,S')-

Table D-1-3

U-Listed HAZARDOUS WASTES

Haz-Ardous Waste No.	Chemical abstracts No.	Substance
U249	1314-84-7	Zinc phosphide Zn3P2, when present at concentrations of 10% or less

1 CAS Number given for parent compound only.

Table D-1-4
ACUTELY HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
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
P203	1646-88-4	Aldicarb sulfone.
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
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
P127	1563-66-2	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-,methylcarbamate.
P188	57-64-7	Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-ylmethylcarbamate ester (1:1).
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

ACUTELY HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
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 $Ca(CN)_2$
P189	55285-14-8	Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester.
P191	644-64-4	Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester.
P192	119-38-0	Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester.
P190	1129-41-5	Carbamic acid, methyl-, 3-methylphenyl ester.
P127	1563-66-2	Carbofuran.
P022	75-15-0	Carbon disulfide
P095	75-44-5	Carbonic dichloride
P189	55285-14-8	Carbosulfan.
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)
P202	64-00-6	m-Cumenyl methylcarbamate.
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
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,5,8,8a,-hexahydro-(1-alpha, 4alpha, 4abeta, 5alpha, 8alpha, 8abeta)-
P060	465-73-6	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha, 4abeta, 5beta, 8beta, 8abeta)-

Table D-1-4, continued
ACUTELY HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
P037	60-57-1	2,7:3,6-Dimethanonaphth [2,3-b]oxirene, 3,4,5,6,9,9-hexa-chloro-1a,2,2a,3,6,6a,7,7a -octahydro-, (1aalpha, 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, 3,6alpha, 6abeta, 7beta, 7aalpha)-, & metabolites
P044	60-51-5	Dimethoate
P191	644-64-4	Dimetilan.
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
P185	26419-73-8	1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)-carbonyl]oxime.
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
P194	23135-22-0	Ethanimidothioc acid,2-(dimethylamino)-N- [[(methylamino) carbonyl]oxy]-2-oxo-, methyl ester.
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
P198	23422-53-9	Formetanate hydrochloride.
P197	17702-57-7	Formparanate.
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

Table D-1-4, continued
ACUTELY HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
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
P192	119-38-0	Isolan.
P202	64-00-6	3-Isopropylphenyl N-methylcarbamate.
P007	2763-96-4	3(2H)-Isoxazolone, 5-(aminomethyl)-
P196	15339-36-3	Manganese, bis(dimethylcarbamodithioato-S,S')-,
P196	15339-36-3	Manganese dimethyldithiocarbamate.
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-(R)
P118	75-70-7	Methanethiol, trichloro-
P198	23422-53-9	Methanimidamide, N,N-dimethyl-N'-[3-[[(methylamino)-carbonyl]oxy] phenyl]-, monohydrochloride.
P197	17702-57-7	Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[(methylamino)carbonyl]o xy]phenyl]
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-
P199	2032-65-7	Methiocarb.
P066	16752-77-5	Methomyl
P068	60-34-4	Methyl hydrazine
P064	624-83-9	Methyl isocyanate
P069	75-86-5	2-Methyllactonitrile
P071	298-00-0	Methyl parathion
P190	1129-41-5	Metolcarb.
P128	315-18-4	Mexacarbamate
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 cynaide $Ni(CN)_2$
P075	[1]154-11-5	Nicotine, & salts
P076	10102-43-9	Nitric oxide

P077..... 100-01-6 ... . p-Nitroaniline

Table D-1-4, continued
ACUTELY HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
P078.....	10102-44-0	Nitrogen dioxide
P076.....	10102-43-9	Nitrogen oxide NO
P078.....	10102-44-0	..... Nitrogen oxide NO_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
P194.....	23135-22-0	..... Oxamyl.
P089.....	56-38-2	..... Parathion
M001.....	.....	..... PCB (Polychlorinated biphenyl) (Above 500 ppm)
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
P020.....	88-85-7	..... Phenol, 2-(1-methylpropyl)-4,6-dinitro-
P009.....	131-74-8 ...	..... Phenol, 2,4,6-trinitro-, ammonium salt (R)
P128.....	315-18-4 ...	..... Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate ....(ester).
P199.....	2032-65-7 .	..... Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate
P202.....	64-00-6	..... Phenol, 3-(1-methylethyl)-, methyl carbamate.
P201.....	2631-37-0 .	..... Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate.
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 S-[2-(methylamino)-2-oxoethyl] ester
P043.....	55-91-4	..... Phosphorofluoridic acid, bis(1-methylethyl) ester
P089.....	56-38-2	..... Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester
P040.....	297-97-2 ...	..... Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester
P097.....	52-85-7	..... Phosphorothioic acid,...O-[4-[(dimethylamino) sulfonyl]phenyl] O,O-dimethyl ester
P071.....	298-00-0 ...	..... Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester
P204.....	57-47-6	..... Physostigmine.
P188.....	57-64-7	..... Physostigmine salicylate.
P110.....	78-00-2	..... Plumbane, tetraethyl-

P204..... 57-47-6 .... Physostigmine.

Table D-1-4, continued
ACUTELY HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
P188.....	57-64-7	Physostigmine salicylate.
M001	....	Polychlorinated biphenyls (PCB) (Above 500 ppm)
P098.....	151-50-8	Potassium cyanide
P098.....	151-50-8	Potassium cyanide K(CN)
P099.....	506-61-6	Potassium silver cyanide
P201.....	2631-37-0	Promecarb
P203.....	1646-88-4	Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-[(methylamino)carbonyl] oxime.
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-2-pyrrolidinyl)-, (S)-, & salts
P204.....	57-47-6	Pyrrolo[2,3-b]indol-5-ol,1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate(ester), (3aS-cis)-.
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
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

Table D-1-4, continued
ACUTELY HAZARDOUS WASTES

Hazardous waste No.	Chemical abstracts No.	Substance
P114.....	12039-52-0	Thallium(I) selenite
P115.....	7446-18-6	Thallium(I) 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-
P185.....	26419-73-8	.....Tirpate.
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%
P205.....	137-30-4	Zinc, bis(dimethylcarbamodithioato-S,S')-,
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)
P205.....	137-30-4	Ziram.

[1]CAS Number given for parent compound only