CHAPTER 7

RADIOACTIVE WASTE DISPOSAL

I. RADIOACTIVE WASTE DISPOSAL

The following procedure, Radiation Control Technique #2, is presented so that faculty, students, and staff who use radioactive materials will know how to properly and efficiently dispose of their radioactive wastes. The cost of disposing of radioactive waste is rapidly increasing, however effective management of this waste at the generation point can help to reduce the impact of these cost increases. Additionally, standardized methods of accumulation and processing of the waste ensure its timely collection from the labs and its proper disposal.

Please carefully read the procedure before beginning work with radioactive materials.

If you have any questions about radioactive or chemical waste disposal contact the Hazardous Waste Management Department at 392-8400.

II. RADIATION CONTROL TECHNIQUE #2

Instructions For Preparation Of Radioactive Waste For Disposal

I. PURPOSE:

To establish standard procedures for accumulation and preparation of Radioactive Waste and Mixed Waste (MW) for disposal pick-up by the Hazardous Waste Management Department.

II. PREREQUISITES:

A. Properly labeled containers with lids, covers, or seals.

B. Labels, tape, plastic bags, plastic jugs or suitable liquid containers, corrugated cardboard boxes.

C. Note: Liquid Waste containers are provided by Waste Management.

III. WASTE REDUCTION:

A. Mixed waste is the combination of radioactive waste and hazardous chemicals such as methanol, acetone, trichloroacetic acid, and chloroform. There are no treatment options for mixed waste and the University's storage capacity for this material is limited. Carefully review the attached list of chemicals which create mixed waste when combined with radioactive waste. Minimize the generation of mixed waste by not needlessly mixing hazardous chemicals with radioactive waste or by using non-hazardous or less hazardous (and therefore not regulated) chemicals.

B. Do not mix radioactive waste containing different radionuclides.

C. Minimize radioactive waste by preventing unnecessary contamination of chemicals and labware. Have an appropriate number of waste containers on hand to minimize the inclination to combine waste streams. MINIMIZE

D. Clean and reuse lab equipment when possible. RECYCLE.

E. Only materials that are actually contaminated should be disposed as radioactive waste. For example; packing materials and boxes which have not been in contact with radioactive material should be disposed of in regular trash after radioactive warning labels have been removed, or if a spill occurs on mat paper, only the contaminated area should be placed with radioactive waste. SEPARATE RADIOACTIVE WASTE FROM NON-RADIOACTIVE WASTE.

F. Review your procedures and determine what processes contaminate clean material and develop techniques that minimize amount of contamination, e.g., unnecessary transfer between pieces of labware. PRE-PLAN.

G. Your commitment is absolutely essential to achieve volume reduction. Ensure ongoing employee training that stresses good housekeeping. TRAIN

IV. ACCUMULATION:

A. Keep all waste containers closed unless you are in the act of filling the container.

B. Keep all containers labeled. Containers of mixed waste should also be marked with the words "Hazardous Waste" in addition to the words "Radioactive Material" and other required information.

C. Labels are required on all containers. Campus printing provides additional labels at no charge. Dial 2-1134 and use the form number or description to order. Waste Management will also provide small quantities of labels.

Label	Form Number
Caution Radioactive Material	None
Hazardous Waste	EHS-CWLBLS
Constituent List	None

NOTE: THE IDENTITY (CHEMICAL NAME ONLY) AND PERCENTAGE OF EACH CHEMICAL CONSTITUENT MUST BE LISTED ON EACH WASTE CONTAINER.

V. PROCEDURES:

A. Preparation of radioactive liquid scintillation vials (LSV's).

1. LSV's shall be segregated by radionuclide. Only Carbon-14 and tritium may be combined in the same container.

2. LSV's shall be placed in the original shipping containers (flats) or in cardboard boxes which are double lined with heavy plastic bags. Boxes may not exceed 3.0 cubic feet in size.

3. Prevent scintillation fluid from contacting the exterior of the container. Make sure caps are tight.

4. Containers must be labeled indicating radionuclide, activity, Principal Investigator, date, and lab location.

5. The outer container of LSV's must also be labeled with the words "Hazardous Waste".

B. Preparation of scintillation fluid in larger containers.

1. Scintillation fluids should not be removed from the vials for disposal. This is impractical from both cost and safety standpoints. However if it is necessary to accumulate scintillation fluid in containers other than vials the following guidelines must be used.

    a. Accumulate scintillation fluid in compatible containers only.

    b. Segregate the scintillation fluid according to radionuclide. With the exception of H-3 and C-14, accumulate only one nuclide per container. H-3 and C-14 may be accumulated in the same container.

    c. Keep all waste containers closed unless you are in the act of filling the container.

2. Keep all containers labeled. Containers should also be marked with the words "Hazardous Waste" in addition to the words "Radioactive Material" and other information as required.

C. Preparation of radioactive liquid waste.

1. Liquid wastes shall be segregated by radionuclide into high density polyethylene one (1) gallon containers (provided by Waste Management), according to radionuclide and type. Milk jugs may not be used. Glass containers may be used, with prior approval, only if the waste material is not compatible with HDPE. Contact the Waste Management Facility (2-8400) if you have a question regarding a materials compatibility with HDPE.

    a. Only tritium and Carbon-14 may be combined into the same container; all other radionuclides must be segregated.

    b. Types shall be segregated as Radioactive or Mixed Waste.

NOTE: MIXED WASTE IS ANY RADIOACTIVE WASTE THAT ALSO CONTAINS A HAZARDOUS CHEMICAL CONSTITUENT(S) SUCH AS METHANOL, ACETONE, CHLOROFORM, ETC. SEE ATTACHMENT

    c. Liquid radioactive material should never be poured into or allowed to go down the sink drain in the laboratory.

2. Waste containers shall have identifying labels indicating radionuclide, activity, chemical constituents, the percentage of each constituent in the container, principal investigator, date and lab location.

3. Containers of mixed waste shall have a label indicating the material is also "Hazardous Waste".

4. Labels are available from Printing and Graphics at 392-1134.

D. Preparation of radioactive dry/solid waste.

1. All dry/solid waste shall be segregated into waste receptacles according to the following guidelines.

    a. Tritium and Carbon-14 may be combined into the same containers; other radionuclide must be segregated into their own container

b. Tritium and Carbon-14 solid waste must also be segregated as TYPE A or TYPE B

Type A materials are;

Cotton	Polyethlene
Cotton/polyester blends	Polypropylene
HDPE	Polystyrene
Latex	Polyurethane
Leather	Natural Rubber
Nitrile or Nitrile Rubber	Spun Bonded Polyolefin
Nylon	Transparent Thermoplastic
Paper	Ultra Hi Molecular Polyethylene
Polycarbonate	Urethane
Polyester	Wood

and other materials upon specific approval

Type B materials are;

Sharps	Asbestos
Metals	Hazardous Wastes
Glass	Explosives
Polyvinyl Chloride	Pyrophorics

c. Other radionuclides shall be separated as 1) trash, 2) glassware/sharps, and 3) mixed waste.

2. Insure that there is no free standing liquid included with the dry/solid waste. This includes LSV, centrifuge tubes with liquid inside, liquid source vials, dripping absorbents, etc.

3. Trash (paper, plastic, surgical gloves, etc.) contaminated with radionuclides other than tritium and carbon-14 shall be placed into two heavy duty plastic bags and sealed. Bags are available at Health Center stores.

4. Glassware/sharps - pipettes, syringes, centrifuge tubes, needles, etc., shall be placed into a cardboard box double-lined with heavy duty plastic bags. The bags must be sealed and the box taped closed. Each box must not exceed 3.0 cubic feet in size.

5. Mixed Waste - trash contaminated by liquid scintillation fluid or other hazardous constituents shall be placed into a cardboard box double-lined with heavy duty plastic bags. The bags must be sealed and the box taped closed. Each box shall not exceed 3.0 cubic feet. The container should be marked " Hazardous Waste".

6. Wastes must be labeled indicating radionuclide, activity, chemical constituents, principal investigator, date, and lab location as well as waste type.

E. Preparations of radioactive animal carcasses and waste containing biological material.

1. Waste Management must be contacted prior to requesting a pick-up of greater than 1 cubic foot of animal carcasses or biological material. If Waste

Management has insufficient storage space, the laboratory may be required to store this waste material.

2. Carcasses less than one cubic foot may be included on a standard waste collection request form.

3. Animal carcasses and biological materials shall be segregated according to radionuclide.

4. Animal carcasses and biological materials shall be double bagged, frozen, and held for pick up by Waste Management. Bags are available from Health Center stores.

5. The bags may not contain any non-combustible (Type B) material.

6. Animals to be picked up by Waste Management must be inside solid colored bags. Animal carcasses should not exceed the strength capability of the bags (e.g. one large animal, 20 Kg in heavy duty bags or several small animals). Bags containing biological tissue must not contain any other waste.

7. Bags shall be accurately marked with the proper label indicating the radionuclide, activity, weight of carcass or tissue, principal investigator, date and lab location.

F. Biohazardous Radioactive Waste

1. Regulations found in the University of Florida Biological Safety Manual require, that all biohazardous waste must be inactivated prior to disposal. Inactivate biohazardous materials prior to preparing them for radioactive waste pick-up.

2. Red colored bags and boxes, or bags and boxes with biohazard warning labels must not be used for radioactive waste. These will not be picked up by Waste Management technicians.

G. Scheduling a waste collection

1. After the radioactive materials have been prepared for disposal, complete a radioactive waste pick up request form (EH&S, RSA-2) and mail it to Bldg 831, Surge Area, Box 112725 campus mail. You will be called to arrange an appointment to collect your waste. You should plan on a week turn around in having your waste collected.

H. Labeling

1. All radioactive materials will bear labels having the words "Caution Radioactive Materials" - with yellow background and magenta color lettering and symbol.

The label shall specify:
- Radionuclide(s) in container
- Activity of Radionuclide (in uCi or mCi)
- Date
- Name of principal investigator
- Lab location
- Identity of any chemical constituents.

2. Chemical Constituent Labels

    a. Labels must be affixed to each liquid radioactive waste container and those solid radioactive waste containers which contain mixed waste.

    b. Each label must be completely and legibly filled out with indelible ink.

    c. Use the proper chemical name for each constituent.

    d. Accurately indicate the percentage of each chemical on the label.

    e. Add the words “Hazardous Waste” to containers which are mixed waste.

3. Hazardous waste labels

    a. Should be used for mixed waste.

    b. Labels must be completed as described in 2 above.

4. Labels will be provided by Waste Management on request or can be obtained from Printing and Graphics at 2-1134. Use the form number on the label to order.

III. Radioactive Mixed Waste Chemical Constituents

THIS IS A LIST OF MATERIALS THAT ARE
REGULATED BY RCRA AS HAZARDOUS WASTES

DO NOT NEEDLESSLY MIX ANY OF THESE
CHEMICALS WITH RADIOACTIVE WASTE

HAZARDOUS WASTE #	NAME
	SCINTILLATION FLUID
U001	Acetaldehyde (I)
P023	Acetaldehyde , chloro-
U034	Acetaldehyde , trichloro-
P057	Acetamide, 2-fluoro-
U005	Acetamide, N-9H-fluoren-2-yl-
U187	Acetamide, N-(4-ethoxyphenyl)-
P002	Acetamide, N-(aminothioxomethyl)-
P058	Acetic acid, fluoro-, sodium salt
U144	Acetic acid, lead (2+) salt
U214	Acetic acid, tallium (1+) salt
see F027	Acetic acid, (2, 4, 5-trichlorophenoxy)-
U112	Acetic acid ethyl ester (I)
U240	Acetic acid, (2, 4-dichlorophenoxy)-, salts & esters
U002	Acetone (I)
F003	Acetone (10% or more)
U003	Acetonitrile (I,T)
U004	Acetophenone
U006	Acetyl chloride (C,R,T)
U005	Acetylaminofluorene, 2-
P002	Acetyl-2-thiourea, 1-
P003	Acrolein
U007	Acrylamide
U008	Acrylic acid (I)
U009	Acrylonitrile
P070	Aldicarb
P004	Aldrin
CaList	Aldrin (HOC)
P005	Allyl alcohol
P006	Aluminum phosphide (R,t)
P007	Aminomethyl-3-isoxazolol, 5-
P008	Aminopyridine, 4-
U011	Amitrole
P009	Ammonium picrate (R)
P119	Ammonium vanadate
U012	Aniline (I,T)
P099	Argentate (1-), bis(cyano-C)-, potassium
CaList	Arochlor 1016 (PCB) (HOC)
CaList	Arochlor 1221 (PCB) (HOC)
CaList	Arochlor 1232 (PCB) (HOC)
CaList	Arochlor 1242 (PCB) (HOC)
CaList	Arochlor 1248 (PCB) (HOC)

CaList	Arochlor 1254 (PCB) (HOC)
CaList	Arochlor 1260 (PCB) (HOC)
P010	Arsenic acid H-3 As O-4
P012	Arsenic oxide As-2 O-3
P011	Arsenic oxide As-2 O-5
P011	Arsenic pentoxide
P012	Arsenic trioxide
D004	Arsenic (Contaminant) (5.0 mg/L or more)
cCaList	Arsenic (Liquids-500 mg/L or more)
P038	Arsine, diethyl-
U136	Arsenic acide, dimethyl-
P036	Arsonous dichloride, phenyl-
U014	Auramine
U015	Azaserine
P054	Aziridine
P067	Aziridine, 2-methyl-
U010	Azirion[2',3':3,4]pyrrolo[1,2-a]indole, 6-amino- 8-[[(aminocarbonyl)oxy]methyl]- 1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8aalpha,8balpha)]-
P013	Barium cyanide
D005	Barium (Contaminant)(100.0 mg/L or more)
U038	Benzeneacetic acit, 4-chloro-alpha-(4-chlorophenyl)- alpha-hydroxy-, ethyl ester
U017	Benzal chloride
I192	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-
U328	Benzenamine, 2-methyl-
U222	Benzenamine, 2-methyl-, hydrochloride
U181	Benzenamine, 2-,etju;-5-motrp-
U014	Benzenamine, 4,4'-carbonimiodylbis[N,N-dimethyl-
U158	Benzenamine, 4,4'-methylenebis[2-chloro-
P024	Benzenamine, 4-chloro-
U049	Benzenamine, 4-chloro-2-methyl-,hydrochloride
U353	Benzenamine, 4-methyl-
P077	Benzenamine, 4-nitro-
U093	Benzenamine, N,N-dimethyl-4-(phenylazo)-
U012	Benzenamine, (I,T)
U028	Benzenedicarboxylic acid(1,2-), bis(2-ethylhexy1) ester
U247	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-
U061	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-
U060	Benzene, 1,1'-(2,2-dichloroethylidene_bis[4-chloro-
U207	Benzene, 1,2,4,5-tetrachloro-
U070	Benzene, 1,2-dichloro-
U234	Benzene, 1,3,5-trinitro-
U071	Benzene, 1,3-dichloro-
U223	Benzene, 1,3-diisocyanatomethyl- (R,T)
U072	Benzene, 1,4-dichloro-
U030	Benzene, 1-bromo-4-phenoxy-
U105	Benzene, 1-methyl-2,4-dinitro-
U106	Benzene, 2-methyl-1,3-dinitro-
U037	Benzene, chloro
U239	Benzene, dimethyl- (I,T)
U127	Benzene, hexachloro-

U056	Benzene, hexahydro- (I)
U220	Benzene, methyl-
U169	Benzene, nitro-
I185	Benzene, pentachloronitro
U183	Benzene, pentachloro-
U055	Benzene, (1-methylethyl)- (I)
P028	Benzene, (chloromethyl)-
U017	Benzene, (dichloromethyl)-
U023	Benzene, (trichloromethyl)-
U019	Benzene, (I,T)
F005	Benzene (10% or more)
D018	Benzene (Contaminant) (0.5 mg/L or more)
U035	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-
U221	Benzenediamine, ar-methyl-
U028	Benzenedicarboxylic acid(1,2), bis(2-ethylhexyl)ester
U069	Benzenedicarboxylic acid(1,2), dibutyl ester
U088	Benzenedicarboxylic acid(1,2), diethyl ester
U012	Benzenedicarboxylic acid(1,2), dimethyl ester
U107	Benzenedicarboxylic acid(1,2) dioctyl ester
P042	Benzenediol(1,2-), 4-[1-hydroxy-2(methylamino)ethyl]- (R)
U201	Benzenediol(1,3)
P046	Benzeneethananmine, alpha,alpha-dimethyl-
U020	Benzenesulfonic acid chloride (C,R)
U020	Benzenesulfonyl chloride (C,R)
P014	Benzenethiol
U021	Benzidine
U202	Benzisothiazol-3(2H)-one(1,2), 1,1-dioxide, & salts
U203	Benzodioxole(1,3), 5-(2-propenyl)-
U090	Benzodioxole(1,3-), 5-propyl-
U141	Benzodioxole(1,3-), 5-(1-propenyl)-
P001	Benzopyran-2-one(2H-1), 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present
U248	Benzopyran-2-one(2H-1), 4-hydroxy-3-(3-oxo-1 -phenyl-butyl)-, & salts, when present at concentrations of 0.3% or less
U023	Benzotrichloride (C,R,T)
U022	Benzo[a]pyrene
U064	Benzo[rst]pentaphene
U197	p-Benzoquinone
P028	Benzyl chloride
U018	Benz[a]anthracene
U094	Benz[a]anthracene, 7,12-dimethyl-
U016	Benz[c]acridine
U157	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-
P015	Beryllium
CaList	alpha-BHC (HOC)
CaList	beta-BHC (HOC)
CaList	delta-BHC (HOC)
CaList	gamma-BHC (HOC)
U085	Bioxirane(2,2'-)
U021	Biphenyl(1,1'-]-4,4'-diamine
U073	Biphenyl(1,1']-4,4'-diamine, 3,3'-dichloro-
U091	Biphenyl(1,1']-4,4'-diamine, 3,3'-dimethoxy
U095	Biphenyl(1,1']-4,4'-diamine, 3,3'-dimethyl-

P017	Bromoacetone
CaList	Bromodichloromethane (HOC)
U225	Bromoform
CaList	Bromomethane (HOC)
U030	Bromophenyl(4) phenyl ether
P018	Brucine
U128	Butadiene(1,3), 1,1,2,3,4,4-hexachloro-
U172	Butanamine(1), N-butyl N-nitroso-
U031	Butanol(1) (I)
P045	Butanone(2),3,3-dimethyl-1-(methylthio)-, O -[(methylamino)carbonyl] oxime
U159	Butanone(2-) (I,T)
U160	Butanone(2-), peroxide (R,T)
U053	Butenal(2)
U074	Butene(2), 1,4-dichloro- (I,T)
U143	Butenoic acid(2-), 2-methyl-, 7-[[2,3-dihydroxy-2-(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	n-Butyl alcohol (I)
F003	n-Butyl alcohol (10% or more)
U136	Cacodylic acid
D006	Cadmium (Contaminant) (1.0 mg/L or more)
CaList	Cadmium (Liquids-100mg/L or more)
U032	Calcium chromate
P021	Calcium cyanide
P021	Calcium cyanide Ca(CN)2
U238	Carbamic acid, ethyle ester
U178	Carbamic acid, methylnitroso-, ethyl ester
U097	Carbamic chloride, dimethyl-
U114	Carbamodithioic acid, 1,2-ethanediylbis-, salts & esters
U062	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester
P002	Carbon disulfide
F005	Carbon disulfide (10% or more)
U033	Carbon oxyfluoride (R,T)
U211	Carbon tetrachloride
CaList	Carbon tetrachloride (HOC)
D019	Carbon tetrachloride (Contaminant) (0.5 mg/Lor more)
U215	Carbonic acid, dithallium(1+) salt
P095	Carbonic dichloride
U033	Carbonic difluoride
U156	Carbonochloridic acid, methyl ester (I,T)
U034	Chloral
U035	Chlorambucil
U036	Chlordane, alpha & gamma isomers
CaList	Chlordane (HOC)
D020	Chlorade (Contaminant) (0.03 mg/L or more)
U026	Chlornaphazin
P023	Chloroacetaldehyde
P024	p-Chloroaniline
Ca:ost	p-Chloroaniline (HOC)
U037	Chlorobenzene
F002	Chlorobenzene (10% or more)

CaList	Chlorobenzene (HOC)
D021	Chlorobenzene (Contaminant) (100.0 mg/L or more)
U038	Chlorobenzilate
CaList	Chlorobenzilate (HOC)
CaList	Chloro(2-)-1,3-butadiene (HOC)
U039	p-Chloro-m-cresol
CaList	p-Chloro-m-cresol (HOC)
CaList	Chlorodibromomethane (HOC)
CaList	Chloroethane (HOC)
CaList	bis(2-Chloroethozy)ethane (HOC)
CaList	bis(2-Chloroethyl)ether (HOC)
U042	Chloroethyl(2) vinyl ether
CaList	Chloroethyl(2) ether (HOC)
U044	Chloroform
CaList	Chloroform (HOC)
D022	Chloroform (Contaminant) (6.0 mg/L or more)
CaList	bix(2-Chloroisopropyl)ether (HOC)
CaList	Chloromethane (HOC)
U046	Chloromethyl methyl ether
U047	beta-Chloronaphthalene
CaList	Chloronaphthalene(2-) (HOC)
U048	o-Chlorophenol
CaList	Chlorophenol(2-) (HOC)
P026	Chlorophenyl(1-0-)thiourea
CaList	Chloropropene(3-) (HOC)
P027	Chloropropionitrile(3-)
CaList	Chloropropionitrile(3-) (HOC)
U048	Chloro-o-toluidine(4), hydrochloride
U032	Chromic acid H-2 CrO-4, calcium salt
D007	Chromium (Contaminant) (5.0 mg/L or more)
CaList	Chromium (Liquids-500mg/L or more)
U050	Chrysene
P029	Copper cyanide
P029	Copper cyanide Cu(CN)
D002	Corrosive (LIQUIDS ONLY) [pH < or = 2 / pH > or = 12.5]
CaList	Corrosive (acid) liquids (pH < or = 2.0)
U051	Creosote
U052	Cresol (Cresylic acid)
F004	Cresol (Cresylic acid) (10% or more)
D026	Cresol (Contaminant) (200.0 mg/L or more)
D023	o-Cresol (Contaminant) (200.0 mg/L or more)
D024	m- Cresol (Contaminant) (200.0 mg/L or more)
D025	p- Cresol (Contaminant) (200.0 mg/L or more)
U053	Crotonaldehyde
U055	Cumene (I)
P030	Cyanides (soluble cyanide salts), not otherwise specified
D003	Cyanide-bearing material (shen pH between 2 and 12.5)
CaList	Cyanides (Free liquids-100 mg/L or more)
P031	Cyanogen
U246	Cyanogen bromide (CN)Br
P033	Cyanogen chloride
P033	Cyanogen chloride (CN)Cl
U197	Cyclohexadiene(2,5-)-1,4-dione
U129	Cyclohexane, 1,2,3,4,5,6-hexachloro-,

	(1alpha,2alpha,3beta,4alpha,5alpha,6beta)-
U056	Cyclohexane (I)
U057	Cyclohexanone (I)
F003	Cyclohexanone (10% or more)
P034	Cyclohexyl(2)-4,6-dinitrophenol
U130	Cyclopentadiene(1,3-), 1,2,3,4,5,5-hexachloro-
U058	Cyclophosphamide
U240	D(2,4-), salts & esters
D016	D(2,4-) (Contaminant) (10.0 mg/L or more)
CaList	D(2,4-) (HOC)
U059	Daunomycin
U060	DDD
CaList	DDD (HOC)
CaList	DDE (HOC)
CaList	DDT (HOC)
U061	DDT
P041	Deithyl-p-nitrophenly phosphate
U062	Diallate
U064	Dibenzo[a,i]pyrene
U063	Dibenz[a,h]anthracene
U066	Dibromo(1,2-)-3-chloropropane
CaList	Dibromo(1,2-)-3-chloropropane (HOC)
CaList	Dibromomethane(1,2-) (HOC)
CaList	Dibromomethane (HOC)
I069	Dibutyl phthalate
U070	o-Dichlorobenzene
F002	o-Dichlorobenzene (10% or more)
CaList	o-Dichlorobenzene (HOC)
U071	m-Dichlorobenzene
CaList	m-Dichlorobenzene (HOC)
U072	p-Dichlorobenzene
CaList	p-Dichlorobenzene (HOC)
D027	Dichlorobenzene(1,4-) (Contaminant) (7.5 mg/L or more)
U027	Dichloroisopropyl ether
U073	Dichlorobenzidine(3,3')
CaList	Dichlorobenzidine(3,3') (HOC)
CaList	Trans-1,4-Dichloro-2-butene (HOC)
U075	Dichlorodifluoromethane
CaList	Dichlorodifluoromethane (HOC)
CaLIst	Dichloroethane(1,1-) (HOC)
CaList	Dichloroethane(1,2-) (HOC)
D028	Dichloroethane (1,2-) (Contaminant) (0.5 mg/L or more)
CaList	Trans-1,2-Dichloroethene (HOC)
CaList	Dichloroethylene(1,1-) (HOC)
D029	Dichloroethylene(1,1-) (Contaminant) (0.7 mg/L or more)
U025	Dichloroethyl ether
U078	Dichloroethylene(1,1)
U079	Dichloroethylene(1,2)
U024	Dichloromethoxy ethane
P016	Dichloromethyle ether
U081	Dichlorophenol(2,4)
CaList	Dichlorophenol(2,4) (HOC)
U082	Dichlorophenol(2,6)
CaList	Dichlorophenol(2.6) (HOC)

P036	Dichlorophenylarsine
CaList	Dichloropropane(1,2-) (HOC)
CaList	trans-1,3-Dichloropropene (HOC)
CaList	cis-1,3-Dichloropropene (HOC)
U084	Dichloropropene(1,3)
U074	Dichloro-2-butene(1,4) (I,T)
P037	Dieldrin
CaList	Dieldrin (HOC)
U085	Diepoxybutane(1,2:3,4) (I,T)
U088	Diethyl phthalate
P038	Diethylarsine
U108	Diethyleneoxide(1,4)
U028	Diethylhexyl phthalate
U086	N,N'-Diethylhydrazine
U087	O,O-Diethyl S-methyl dithiophosphate
P041	Diethyl-p-nitrophenyl phosphate
P040	O,O-Diethyl O-pyrazinyl phosphorothioate
U089	Diethylstilbesterol
U090	Dihydrosafrole
P043	Diisopropylfluorophosphate (DFP)
P060	Dimethanonaphthalene(1,4,5,8) 1,2,3,4,10,10- hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5beta,8beta,8abeta)-
P004	Dimethanonaphthalene(1,4,5,8) 1,2,4,10,10- hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)-
P051	Dimethanonaphth(2,7:3,6)[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
P037	Dimethanonaphth(2,7:3,6)[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)-
P044	Dimethoate
U091	Dimethoxydenzidine(3,3')
U092	Dimethylamine (I)
U093	p-Dimethylaminoazobenzene
P046	alpha,alpha-Dimethylphenethylamine
U102	Dimethyl phthalate
U103	Dimethyl sulfate
U095	Dimethylbenzidine(3.3')
U094	Dimethylbenz[a]aanthracene(7,12)
U096	alpha, alpha-Dimethylbenzylhydroperoxide (R)
U097	Dimethylcarbamoyl chloride
U098	Dimethylhydrazine(1,1)
U099	Dimethylhydrazine(1,2)
U101	Dimethylphenol(2,4)
P048	Dinitrophenol(2,4)
U105	Dinitrotoluene(2,4)
D030	Dinitrotoluene(2,4) (Contaminant) (0.13 mg/L or more)
U106	Dinitrotoluene(2,6)
P047	Dinitro-o-cresol(4,6), and salts
P020	Dinoseb
U107	di-n-octyl phthalate

U108	Dioxane(1,4)
U109	Diphenylhydrazine(1,2)
P085	Diphosphoramide, octamethyl-
P111	Diphosphoric acit, tetraetyhl ester
U110	Dipropylamine(I)
P039	Disulfoton
P049	Dithiobiuret
U111	Di-n-propylnitrosamine
P054	Elthyleneimine
P050	Endosulfan
CaList	Endosulfan I (HOC)
CaList	Endosulfan II (HOC)
P088	Endothall
P051	Endrin
P051	Endrin, and metabolites
CaList	Endrin
CaList	Endrin aldehyde
D012	Endrin(1,2,3,4,10,10-hexachloro-1,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo, endo-5,8-dimethano-naphthalene (0.02 mg/L or more)
U041	Epichlorohydrin
P042	Epinephrine
U001	Ethanal (I)
U174	Ethanamine, N-ethyl-N-nitroso-
U208	Ethane, 1,1,1,2-tetrachloro-
U226	Ethane, 1,1,1-trichloro-
U209	Ethane, 1,1,2,2-tetrachloro-
U227	Ethane, 1,1,2-trichloro-
U117	Ethane, 1,1'-oxybis- (I)
U025	Ethane, 1,1'-oxybis[2-chloro-
U024	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-
U076	Ethane, 1,1-dichloro-
U067	Ethane, 1.2-dibromo-
U077	Ethane, 1,2-dichloro-
U131	Ethane, hexachloro-
U184	Ethane, pentrachloro-
U155	Ethanediamine(1,2), N,N-dimethyl-N'-2-pyridinyl-N'--(2-thienylmethyl)-
P031	Ethanedinitrile
U218	Ethanethiamide
P066	Ethanimidothioic acid, N-[[(methylamino) carbonyl]oxy]-,methyl ester
U173	Ethanol, 2,2'-(nitrosoimino)bis-
U359	Ethanol, 2-ethoxy-
U004	Ethanone, 1-phenyl-
U078	Ethene, 1,1-dichloro-
U079	Ethene, 1,2-dichloro-, (E)-
U043	Ethene, chloro-
U210	Ethene, tetrachloro-
U228	Ethene, trichloro-
U042	Ethene, (2-chloroethoxy)-
F005	Ethoxyethanol(2-) (10% or more)
U112	Ethyl acetate (I)
F003	Ethyl acetate (10% or more)

U113	Ethyl acrylate (I)
F003	Ethyl benzene (10% or more)
U238	Ethyl carbamate (urethane)
P101	Ethyl cyanide
P054	Ethyleneimine
U117	Ethyl ether (I)
F003	Ethyl ether (10% or more)
U118	Ethyl methacrylate
U119	Ethyl methanesulfonate
U067	Ethylene dibromide
U077	Ethylene dichloride
U359	Ethylene glycol monoethyl ether
U115	Ethylene oxide (I,T)
U114	Ethylenebisdithiocarbamic acid, salts & ester
U115	Ethylenethiourea
U076	Ethylidene dichloride
P097	Famphur
D001	Flammable material (Liquid, solid, or gas) (Flash point 140 F (60 C) or less)
U120	Fluoranthene
P056	Fluorine
P057	Fluoroacetamide
P058	Fluoroacetic acid, sodium salt
U122	Formaldehyde
U123	Formic acid (C,T)
P065	Fulminic acid, mercury (2+)salt (R,T)
U213	Furan, tetrahydro- (I)
U124	Furan (I)
U125	Furancarboxaldehyde(2) (I)
U147	Furandione (2,5)
U125	Furfural (I)
U124	Furfuran (I)
U206	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-
U206	D-Glucose, 2-deoxy-2[[(methylnitrosoamino)-carbonyl]amino]-
U126	Glycidylaldehyde
U163	Guanidine, N-methyl-N'-nitro-N-nitroso-
P059	Heptachlor
CaList	Heptachlor (HOC)
D031	Heptachlor (and its hydroxide)(Contaminant) (0.008 mg/L or more)
CaList	Heptachlor epoxide (HOC)
U127	Hexachlorobenzene
CaList	Hexachlorobenzene (HOC)
D032	Hexachlorobenzene (Contaminant) (0.13 mg/L or more)
U128	Hexachlorobutadiene
CaList	Hexachlorobutadiene (HOC)
D033	Hexachlorobutadiene (Contaminant) (0.5 mg/L or more)
U130	Hexachlorocyclopentadiene
CaList	Hexachlorocyclopentadiene (HOC)
CaList	Hexachlorodibenzo-p-dioxins (HOC)
CaList	Hexachlorodibenzofuran (HOC)
U131	Hexachloroethane
CaList	Hexachloroethane (HOC)

D034	Hexachloroethane (Contaminant)(3.0 mg/L or more)
U132	Hexachlorophene
CaList	Hexachlorophene (HOC)
U243	Hexachloropropene
CaList	Hexachloropropene (HOC)
P062	Hexaethyl tetraphosphate
U098	Hydrazine, 1,1-dimethyl-
U086	Hydrazine, 1,2-diethyl-
U099	Hydrazine, 1,2-dimethyl-
U109	Hydrazine, 1,2-diphenyl-
P068	Hydrazine, methyl-
U133	Hydrazine (R,T)
P116	Hydrazinecarbothioamide
P063	Hydrocyanic acid
U134	Hydrofluoric acid (C,T)
P063	Hydrogen cyanide
U134	Hydrogen fluoride (C,T,)
P096	Hydrogen phosphide
U135	Hydrogen sulfide
U135	Hydrogen sulfide H-2 S
U116	Imidazolidinethione(2)
U137	Indeno[1,2,3-cd]pyrene
CaList	Iodomethane (HOC)
U139	Iron dextran
U190	Isobenzofurandione(1,3)
U140	Isobutyl alcohol (I,T)
F005	Isobutyl alcohol (10% or more)
P060	Isodrin
CaList	Isodrin (HOC)
U141	Isosafrole
P007	Isoxazolone(3(2h)), 5-(aminomethyl)-
U142	Kepone
CaList	Kepone (HOC)
U143	Lasiocarpine
U146	Lead, bis(acetato-O)tetrahydroxytri-
U144	Lead acetate
U145	Lead phosphate
U146	Lead subacetate
D008	Lead (Contaminant)(5.0 mg/L or more)
CaList	Lead (Liquids-500 mg/L or more)
U129	Lindane
D013	Lindane (1,2,3,4,5,6-hexachlorocyclohexane, gamma isomer (0.4 mg/L or more)
U147	Maleic anhydride
U148	Maleic hydrazide
U149	Malononitrile
U150	Melphalan
U151	Mercury
D009	Mercury (Contaminant) (0.2 mg/L or more)
CaList	Mercury (Liquids-20 mg/L or more)
P092	Mercury, (acetato-O)phenyl-
P065	Mercury fulminate (R,T)
U152	Methacrylonitrile (I,T)
U082	Methanamine, N-methyl- (I)

P082	Methananmine, N-methyl-N-nitroso-
U029	Methane, bromo-
U046	Methane, chloromethoxy-
U045	Methane, chloro- (I,T)
U068	Methane, dibromo-
U075	Methane, dichlorodifluoro-
U080	Methane, dichloro-
U138	Methane, iodo-
P064	Methane, isocyanato-
P016	Methane, oxybis[chloro-
U221	Methane, tetrachloro-
P112	Methane, tetranitro- (R)
U225	Methane, tribromo-
U121	Methane, trichlorofluoro-
U044	Methane, trichloro-
U119	Methanesulfonic acid, ethyl ester
P118	Methanethiol, trichloro-
U153	Methanethiol (I,T)
U154	Methanol (I)
F005	Methanol (10% or more)
U036	Methano(4,7)-1H-idene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-
P059	Methano-1H-indene(4,7), 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-
P050	Methano(6,90)-2,4,3-benzodioxathiepin,6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide
U155	Methapyrilene
U142	Metheno-2H-cyclobuta(1,3,4)[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-
P066	Methomyl
U247	Methoxychlor
CaList	Methoxychlor (HOC)
D014	Methoxychlor(1,1,1-Trichloro-2,2-bix[p-methoxy-phenyl]ethane)(Contaminant (10.0 mg/L or more)
U154	Methyl alcohol (I)
U029	Methyl bromide
U045	Methyl chloride (I,T)
U156	Methyl chlorocarbonate (I,T)
U226	Methyl chloroform
U160	Methyl ethyl ketone peroxide (R,T)
U159	Methyl ethyl ketone (MEK) (I,T)
F005	Methyl ethyl ketone (10% or more)
D035	Methyl ethyl ketone (Contaminant) (200.0 mg/L or more)
P068	Methyl hydrazine
U138	Methyl iodide
U161	Methyl isobutyl ketone (I)
F003	Methyl isobutyl ketone (10% or more)
P064	Methyl isocyanate
U162	Methyl methacrylate (I,T)
P071	Methyl parathion
U186	Methylbutadiene(1) (I)
U157	Methylcholanthrene(3)
CaList	Methylene(4,4')bix(2-chloroaniline) (HOC)
U068	Methylene bromide

U080	Methylene chloride
F002	Methylene chloride (10% or more)
CaList	Methylene chloride (HOC)
U158	Methylenebis(4,4')(2-chloroaniline)
O069	Methyllactonitrile(2)
P071	Methyl parathion
U164	Methylthiouracil
U161	Methyl (4-)-2-pentanone (I)
U010	Mitomycin C
U163	MNNG
U086	N,N'-Diethylhydrazine
U059	Naphthacenedione(5,12), 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)-
U026	Naphthalenamine, N,N'-bis(2-chloroethyl)-
I168	Naphthalenamine (2)
U047	Naphthalene, 2-chloro-
U167	Naphthalenamine(1-)
U166	Naphthalenedione(1,4)
U236	Naphthalenedisulfonic acid(2,7), 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]4,4'-diyl)bis(azo) bis[5-amino-4-hydroxy]-,tetrasodium salt
U166	Naphthoquinone(1,4)
U165	Naphthalene
U167	alpha-Naphthylamine
U168	beta-Naphthylamine
P072	alpha-Naphthylthiourea
CaList	Nickel (Liquids-134 mg/L or more)
P073	Nickel carbonyl
P073	Nickel caronyl Ni(CO)4,(T-r)-
P074	Nickel cyanide
P074	Nickel cyanide Ni(CN)2
P075	Nicotine, and salts
U217	Nitric acid, thallium(1+) salt
P076	Nitric oxide
P077	p-Nitroaniline
U169	Nitrobenzene (I,T)
F004	Nitrobenzene (10% or more)
D036	Nitobenzene (Contaminant)(2.0 mg/L or more)
P078	Nitrogen dioxide
P076	Nitrogen oxide NO
P078	Nitrogen oxide NO2
P081	Nitroglycerine (R)
U170	p-Nitrophenol
U717	Nitropropane(2) (I,T)
F005	Nitropropane(2) (10% or more)
U181	Nitro(5-)-o-toluidine
U031	n-Butyl alcohol (I)
U173	N-Nitrosodiethanolamine
U174	N-Nitrosodiethylamine
P082	N-Nitrosodimethylamine
U172	N-Nitrosodi-n-butylamine
P084	N-Nitrosomethylvinylamine
U179	N-Nitrosopipieridine

U180	N-Nitrosopyrrolidine
U176	N-Nitroso-N-ethylurea
U177	N-Nitroso-N-methylurea
U178	N-Nitroso-N-methylurethane
P085	Octamethylpyrophosphoramide
P087	Osmium oxide OsO4, (T-4)-
P087	Osmium tetroxide
P088	Oxabicyclo(7)[2.2.1]heptane-2,3-dicarboxylic acid
U193	Oxathiolane(1,2-),2,2-dioxide
U058	Oxazaphosphorin(2H-1,3,2-)-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide
D001	Oxidizer (Liquid and Solid)
U041	Oxirane, (chloromethyl)-
U115	Oxirane (I,T)
U126	Oxiranecarboxyaldehyde
U182	Paraldehyde
P089	Parathion
CaList	PCB's (in Mixed Waste- 50ppm or more)
CaList	PCB's, not otherwise specified (HOC)
U183	Pentachlorobenzene
CaList	Pentachlorobenzene (HOC)
CaList	Pentachlorodibenzo-p-dioxins (HOC)
CaList	Pentachlorodibenzofuran
CaList	Pentachloroethane (HOC)
U184	Pentachloro
U185	Pentachloronitrobenzene (PCNB)
CaList	Pentachloronitrobenzene (HOC)
See F027	Pentachlorophenol
CaList	Pentachlorophenol (HOC)
D037	Pentachlorophenol (Contaminant)(100.0 mg/L or more)
U186	Pentadiene(1,3) (I)
U161	Pentanol, 4-methyl-
U187	Phenacetin
U188	Phenol
U132	Phenol, 2,2'-methylenebis[3,4,6-trichloro-
See F027	Phenol, 2,3,4,6-tetrachloro-
See F027	Phenol, 2,4,5-trichloro-
See F027	Phenol, 2,4,6-trichloro-
U081	Phenol, 2,4-dichloro-
U101	Phenol, 2,4-dimethyl
P048	Phenol, 2,4-dinitro-
U082	Phenol, 2,6-dichloro-
U048	Phenol, 2-chloro-
P034	Phenol, 2-cyclohexyl-4,6-dinitro-
P047	Phenol, e-methyl-4,6-dinitro-, and salts
P020	Phenol, 2-(1-methylpropyl)-4,6-dinitro-
U089	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bix-, (E)-
U039	Phenol, 4-chloro-3-methyl-
U170	Phenol, 4-nitro-
U052	Phenol, methyl-
See F027	Phenol, pentachloro-
P009	Phenol,2,4,6-trinitro-, ammonium salt (R)
U150	L-Phenylalanine, 4-[bix(2-chloroethyl)amino]-
P092	Phenylmercury acetate

P093	Phenylthiourea
P094	Phorate
P095	Phosgene
P096	Phosphine
P041	Phosphoric acid, diethyl 4-nitrophenyl ester
U145	Phosphoric acid, lead(2+0 salt (2:3)
U087	Phosphorodithioic acid, O, O-diethyl S-methyl ester
P044	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester
P039	Phosphorodithioic acid,O,O-diethyl S-[2-ethylthio)ethyl] ester
P094	Phosphorodithioic acit, O,O-diethyl S-[(ethylthio)methyl) ester
P043	Phosphorofluoridic acid, bis(1-methylethyl) ester
P071	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester
P040	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester
P089	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester
P097	Phosphorothioic acid, O-[4-dimethylamino) sulfonyl]phenyl] O,O-dimethyl ester
U189	Phosphorus sulfide (R)
U190	Phthalic anhydride
U191	Picoline(2)
U179	Piperidine, 1-nitroso-
P110	Plumbane, tetraethyl-
P098	Potassium cyanide
P089	Potassium cyanide K(CN)
P099	Potassium silver cyanide
U192	Pronamide
CaList	Pronamide (HOC)
P070	Propanal, 2-methyl-2-(methylithio)-,O-[(methylamino)carbonyl]oxime
U110	Propanamine(1), N-propyl- (I)
U194	Propanamine(1), (I,T)
U111	Propanamine(1-), N-nitroso-N-propyl-
U066	Propane, 1,2,-dibromo-3-chloro-
U083	Propane, 1,2-dichloro-
U027	Propane, 2,2’-oxybis[2-chloro-
U171	Propane, 2-nitro- (I,T)
U193	Propane sultone(1,3)
U149	Propanedinitrile
P101	Propanenitrile
P069	Propanenitrile, 2-hydroxy-2-methyl-
P027	Propanenitrile, 3-chloro-
P081	Propanetriol(1,2,3), trinitrate (R)
See F027	Propanoic acid, 2-(2,4,5-trichlorophenoxy)-
U235	Propanol(1), 2,3-dibromo-, phosphate (3:1)
U140	Propanol(1), 2-methyl- (I,T)
P017	Propanone(2), 1-bromo-
U002	Propanone(2) (I)
P102	Propargyl alcohol
P003	Propenal(2)
U007	Propenamide(2)
U009	Propenenitrile(2)

U152	Propenenitrile(2), 2-methyl- (I,T)
U243	Propene(1), 1,1,2,3,3,3-hexachloro-
U084	Propene(1), 1,3-dichloro-
U162	Propenoic acid(2), 2-methyl-, methyl ester (I,T)
U113	Propenoc acid(2), ethyl ester (I)
U118	Propenoc acid(2) 2-methyl-, ethyl ester
U008	Propenoic acid(2) (I)
P005	Propen(2-)-1-ol
U111	Propnamine(1), N-nitroso-N-propyl-
U194	n-Propylamine (I,T)
U083	Propylene dichloride
P067	Propylenimine(1,2)
P102	Propyn(2-)-1-ol
U148	Pyridazinedione(3,6) 1,2-dihydro-
P008	Pyridinamine(4)
U196	Pyridine
F005	Pyridine (10% or more)
D038	Pyridine (Contaminant) (5.0 mg/L or more)
U191	Pyridine, 2-methyl-
P075	Pyridine, 3-(1-methyl-2-pyrrolidiny)-, (S)-, and salts
U237	Pyrimidinedione(2,4-(1H,3H)), 5-[bix(2-chloroethyl)amino]-
U164	Pyrimidinone(4(1H)), 2,3-dihydro-6-methyl-2-thioxo-
U180	Pyrrolidine, 1-nitroso-
D003	Reactive Material (Liquid or Solids)
U200	Reserpine
U201	Resorcinol
U202	Saccharin, and salts
U203	Safrole
U204	Selenious acid
P114	Selenious acid, dithallium(1+) salt
U204	Selenium dioxide
U205	Selenium sulfide
U205	Selenium sulfide SeS-2 (R,T)
D010	Selenium (Contaminant)(1.0 mg/L or more)
CaList	Selenium (Liquids-100 mg/L or more)
P103	Selenourea
U015	L-Serine, diazoacetate (ester)
P104	Silver cyanide
P104	Silver cyanide Ag(CN)
D011	Silver (Contaminant)(5.0 mg/L or more)
See F027	Silvex (2,4,5-TP)
D017	Silvex(2,4,5-TP)(Contaminant) 1 mg/L or more)
CaList	Silvex (HOC)
P105	Sodium azide
P106	Sodium cyanide
P106	Sodium cyanide Na(CN)
U206	Streptozotocin
P107	Strontium sulfide
P107	Strontium sulfide SrS
P018	Strychnidin- 10-one, 2,3-dimethoxy-
P108	Strychnidin- 10-one, and salts
P108	Strychnine, and salts
D003	Sulfide-bearing material (when pH between 2 and 12.5)

U189	Sulfur phosphide (R)
U103	Sulfuric acid, dimethyl ester
P115	Sulfuric acid, dithallium(1+) salt
See F027	T(2,4,5-)
CaList	T(2,4,5-) (HOC)
C017	TP(2,4,5-) Silvex (2,4,5-Trichlorophenoxypropionic acid (Contaminant)(1.0 mg/L or more)
U207	Tetrachlorobenzene(1,2,4,5)
CaList	Tetrachlorobenzene(1,2,4,5, (HOC)
CaLIst	Tetrachlorodibenzo-p-dioxins (HOC)
CaList	Tetrachlorodibenzofuran (HOC)
CaList	Tetrachlorodibenzo(2,3,7,8-)-p-dioxin (HOC)
U208	Tetrachloroethane(1,1,1,2)
CaList	Tetrachloroethane(1,1,1,2) (HOC)
U209	Tetrachloroethane(1,1,2,2)
CaList	Tetrachloroethane(1,1,2,2) (HOC_
CaList	Tetrachloroethene (HOC)
U210	Tetrachloroethylene
F002	Tetrachloroethylene (10% or more)
D039	Tetrachloroethylene Contaminant)(0.7 mg/L or more)
See F027	Tetrachlorophenol(2,3,4,6)
CaList	Tetrachlorophenol(2,3,4,6) (HOC)
P110	Tetraethyl lead
P111	Tetraethyl pyrophosphate
P109	Tetraethyldithiopyrophosphate
U213	Tetrahydrofuran (I)
P112	Tetranitromethane (R)
P062	Tetraphosphoric acid, hexaethyl ester
P113	Thallic oxide
CaList	Thallium (Liquids-120 mg/L)
U216	Tallium chloride TlCl
P113	Tallium oxide Tl-1 O-3
U214	Tallium(I) acetate
U215	Tallium(I) carbonate
U216	Tallium(I) chloride
U217	Tallium(I) nitrate
P114	Tallium(I) selenite
P115	Tallium(I) sulfate
U218	Thioacetamide
P109	Thiodiphosphoric acid, tetraethyl ester
P045	Thiofanox
U153	Thiomethanol (I,T)
P049	Thiomidodicarbonic diamide [(H-2 N)C(S)]-2 NH
U244	Thioperoxydicarbonic diamide [(H-2B)C(S)]-2 S-2, tetramethyl-
P014	Thiophenol
P116	Thiosemicarbazide
P093	Thiourea, phenyl
U219	Thiourea
P072	Thiourea, 1-naphthalenyl-
P026	Thiourea, (2-chlorophenyl)-
U244	Thiram
U220	Toluene
F005	Toluene (10% or more)

U223	Toluene diisocyanate (R,T)
U221	Toluenediamine
U328	o-Toluidine
U353	p-Toluidine
U222	o-Toluidine hydrochloride
P123	Toxaphene
D015	Toxaphene(C10H10C18, Technical chlorinated camphene, 67-69% chlorine)
CaList	Toxaphene (HOC)
U001	Triazol (1H-1,2,4-)-3-amine
CaList	Tribromomethane (HOC)
CaList	Trichlorobenzene(1,2,4-) (HOC)
U227	Trichloroethane (1,1,2)
F002	Tricholorethane(1,1,2) (10% or more)
CaList	Trichloroethane(1,1,2) (HOC)
F002	Trichloroethane(1,1,1) (10% or more)
CaList	Trichloroethane(1,1,1) (HOC)
CaList	Trichloroethene (HOC)
U228	Treichloroethylene
F002	Trichlorethylene (10% or more)
D040	Trichloroethylene (Contaminant) (0.5 mg/L or more)
F002	Trichlorofluoromethane (10% or more)
P118	Trichloromethanethiol
U121	Trichloromonofluoromethane
CaList	Trichloromonofluoromethane (HOC)
See F027	Trichlorophenol(2,4,5)
CaList	Trichlorophenol(2,4,5) (HOC)
D042	Trichlorophenol(2,4,5) (Contaminant)(400.0 mg/L or more)
See F027	Trichlorophenol(2,4,6)
CaList	Trichlorophenol(2,4,6) (HOC)
D042	Trichlorophenol(2,4,6) (Contaminant)(2.0 mg/L or more)
CaList	Trichloropropane(1,2,3-) (HOC)
F002	Trichloro(1,1,2-)-1,2,2-trifluoroethane (Contaminant)(10% or more)
U234	Trinitrobenzene(1,3,5) (R,T)
U182	Trioxane(1,3,5), 2,4,6-trimethyl-
U235	Tris(2,3-dibromopropyl) phosphate
CaList	Tris(2,3-dibromopropyl) phosphate (HOC)
U236	Trypan blue
U237	Uracil mustard
U176	Urea, N-ethyl-N-nitroso-
U177	Urea, N-methyl-N-nitroso-
P119	Vanadic acid, ammonium salt
P120	Vanadium pentoxide
P120	Vandium oxide V-2 O-5
U043	Vinyl chloride
CaList	Vinyl chloride (HOC)
D043	Vinyl chloride (Contaminant) (2.0 mg/L or more)
O084	Vinylamine, N-methyl-N-nitroso-
P001	Warfarin, & salts, at concentrations > 0.3%
U248	Warfarin, & salts, when at conc. 0.3% or less
U239	Xylene (I)
F003	Xylene (10% or more)
U200	Yohimban-16carboxylic acid, 11,17-dimethoxy-18-

	[(3,4,5-trimethoxybenzoyl)oxy]-,methyl ester, (3beta,16beta,17alpha,18beta,20alpha)-
P121	Zinc cyanide
P121	Zinc cyanide Zn(CN)-2
P122	Zinc phosphide Zn-3 P-2, at conc. > 10% (R,T)
U249	Zinc phosphide Zn-3 P-2, when present at conc. of 10% or less

AND OTHER CHEMICALS THAT ARE CORROSIVE, REACTIVE, IGNITABLE, OR TOXIC.

IV. Radioactive Waste Pick-Up Request Form