



GARY E. JOHNSON  
GOVERNOR

State of New Mexico  
ENVIRONMENT DEPARTMENT  
Hazardous & Radioactive Materials Bureau  
2044 Galisteo Street  
P.O. Box 26110  
Santa Fe, New Mexico 87502  
(505) 827-1557  
Fax (505) 827-1544



PETER MAGGIORE  
SECRETARY  
PAUL R. RITZMA  
DEPUTY SECRETARY

May 5, 2000

Mr. Ralph Davis  
State Fire Marshal's Office  
P.O. Box 1269  
Santa Fe, New Mexico 87504

**RE: PROPOSED HAZARDOUS WASTE LANDFILL**

Dear Mr. Davis:

As we discussed by phone recently, I am enclosing some information regarding the proposed Triassic Park Hazardous Waste Landfill for your consideration:

- Enclosure 1 consists of a site location map showing the location of the proposed Facility and information on land ownership in the area;
  - Enclosure 2 contains a list of the hazardous wastes which the Facility will be able to accept. It also contains information on wastes which will be prohibited;
  - Enclosure 3 shows the Facility layout. Planned operations consist of hazardous waste storage in containers (drums in the Drum Handling Building and roll-off containers on the Roll-Off Pad), treatment by evaporation in the Surface Impoundment and stabilization in four stabilization bins in the Stabilization Building, and final disposal in the Landfill. At present, on one two-celled surface inpooundment and Phase IA of the Landfill will be permitted.
- Other units include the truck wash unit, the maintenance shop, a chemical laboratory, the stormwater retention pond, the untarping, sampling, and weigh scales area, and the truck staging area;
- Dimensions of the units which will be permitted under the Resource Conservation and Recovery Act (RCRA) are provided in Enclosure 4; and
  - Finally, available information on water supply and the Facility's proposal for emergency response in case of a fire are contained in Enclosure 5.

RED TPDF 5/10/00

Mr. Ralph Davis  
May 5, 2000  
Page 2

The Hazardous and Radioactive Materials Bureau would appreciate your review of this information and information on any requirements your Office may have for the proposed Facility.

Thank you for your cooperation in this matter.

Sincerely,



Stephanie Kruse, Project Manager  
Triassic Park Permit

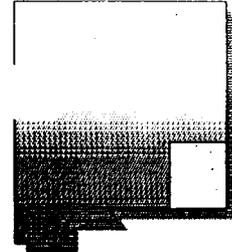
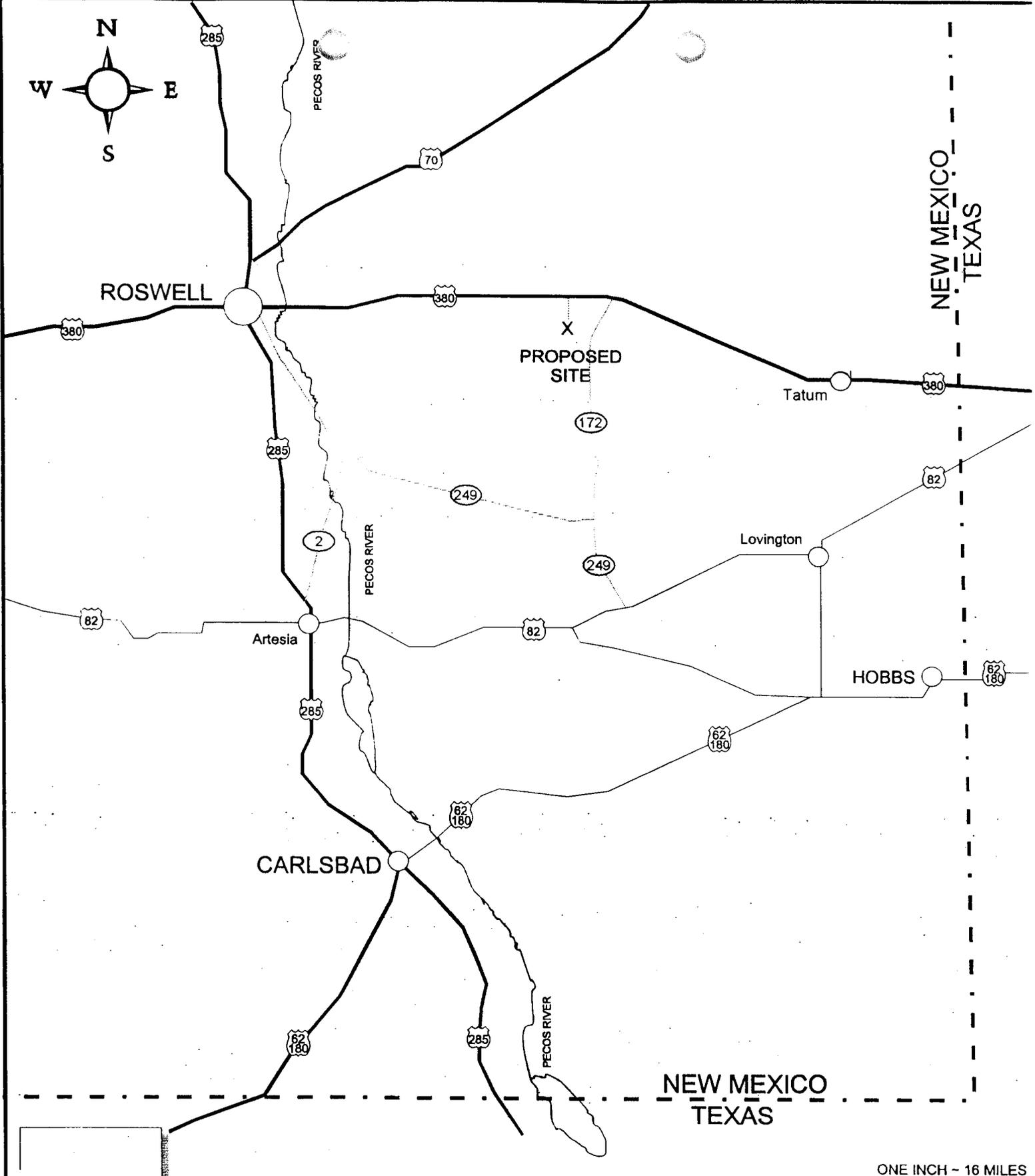
Enclosures (5)

cc (w/o enclosures):  
James Bearzi, NMED/HRMB  
John Kieling, NMED/HRMB

**ENCLOSURE 1**

New Mexico Environment Department  
Hazardous and Radioactive Materials Bureau

Letter: New Mexico State Fire Marshal's Office  
May 5, 2000

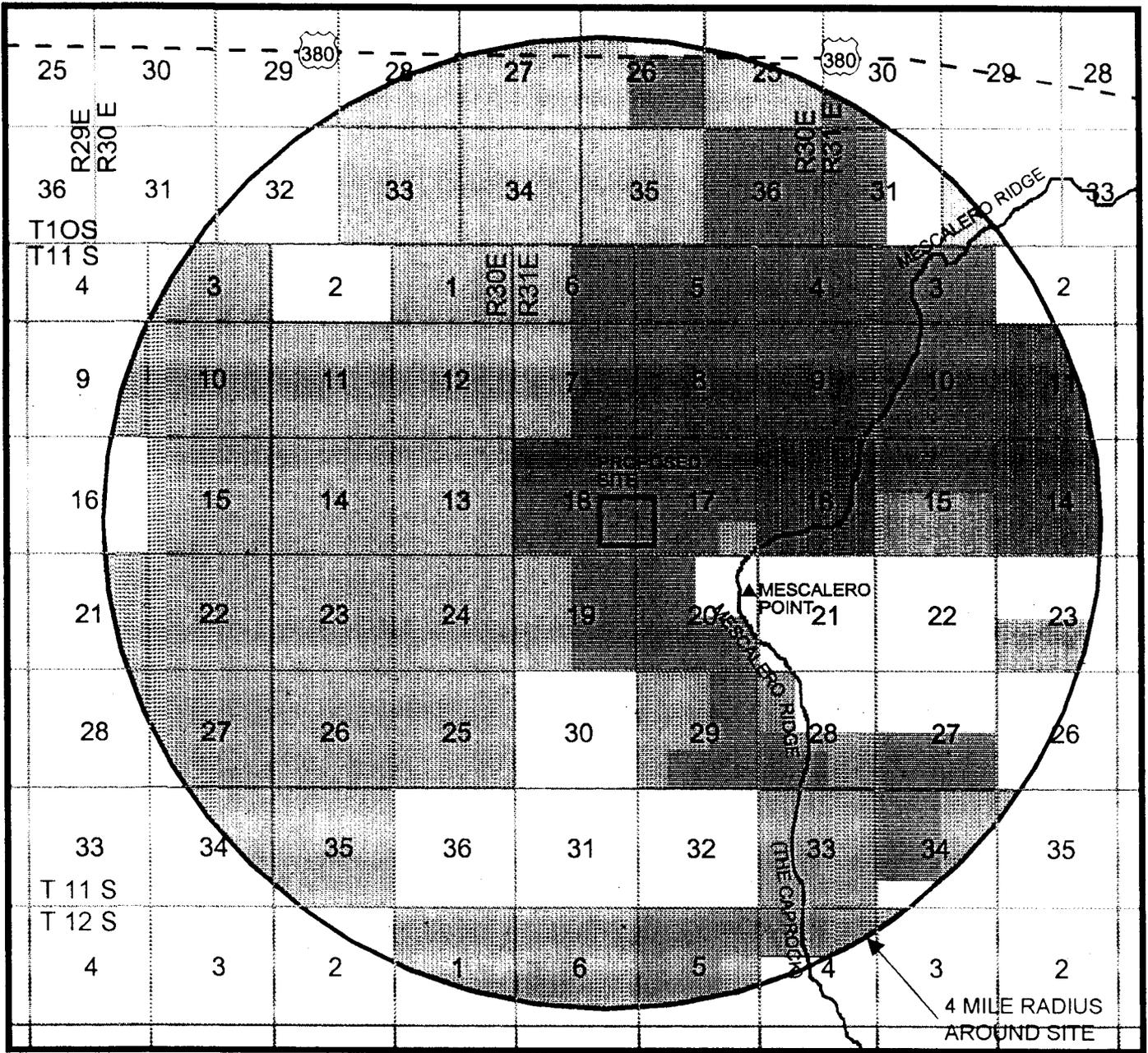


# SITE LOCATION MAP

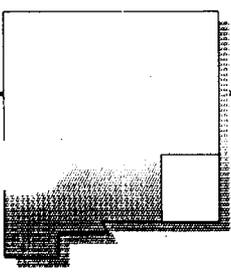
TRIASSIC PARK WASTE DISPOSAL FACILITY

ONE INCH - 16 MILES

Figure 1-2



- |  |                          |  |                                 |
|--|--------------------------|--|---------------------------------|
|  | United States of America |  | Robert C. Marley                |
|  | Marley Raches, Ltd.      |  | Frank W. DeBorde                |
|  | McPeters, Rex Wayne      |  | Smith Revocable Trust           |
|  | Sand Ranch, Inc.         |  | Lea Cattle Co. Ltd. Partnership |
|  | State of New Mexico      |  | Effie C. Wilson                 |
|  | Jack Luce                |  |                                 |

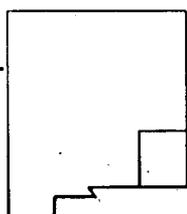


# LAND OWNERSHIP WITHIN 4 MILE RADIUS

TRIASSIC PARK WASTE DISPOSAL FACILITY

Figure 1-1

OWNER	DISTANCE	DIRECTION
Marley Ranch	Approximately 2.9 Miles	East-Southeast
Bill Kolb - KOBR TV Towers	Approximately 4.5 Miles	East
KOBR TV - two dwellings	Approximately 4.5 Miles	East
Pearce Ranch	Approximately 4.5 Miles	Southeast
Sand Ranch	Approximately 6.3 Miles	Northeast
Jack Luce Ranch	Approximately 6.5 Miles	Northeast
Pearce Ranch	Approximately 7 Miles	West
Buddy Fort Ranch	Approximately 7 Miles	East-Southeast
Sand Ranch	Approximately 7.2 Miles	Northwest
Bill Rushing	Approximately 8 Miles	Northeast
Tivis Ranch	Approximately 8.2 Miles	Southeast
Johnson Ranch	Approximately 9.7 Miles	North



## RESIDENCES WITHIN A TEN MILE RADIUS

TRIASSIC PARK WASTE DISPOSAL FACILITY

Figure 1-3

**ENCLOSURE 2**

New Mexico Environment Department  
Hazardous and Radioactive Materials Bureau

Letter: New Mexico State Fire Marshal's Office  
May 5, 2000

### XIV DESCRIPTION OF HAZARDOUS WASTES

<i>EPA CODE</i>	<i>CHARACTERISTIC OR CONTAMINANT</i>	<i>ESTIMATED ANNUAL QUANTITY OF WASTE</i>	<i>UNIT OF MEASURE</i>	<i>PROCESS CODES</i>	<i>PROCESS DESCRIPTION</i>
D001	Only those ignitable wastes which can be treated by permitted methods prior to placement in the landfill.	42,120	T	D80, T01, S01, S02, T02	
D002	Only those corrosive wastes which can be treated by permitted methods prior to placement in the landfill.	42,120	T	D80, T01, S01, S02, T02	
D003	Only those reactive wastes which can be treated by permitted methods prior to placement in the landfill.	42,120	T	D80, T01, S01, S02, T02	
D004	Arsenic	42,120	T	D80, T01, S01, S02, T02	
D005	Barium	42,120	T	D80, T01, S01, S02, T02	
D006	Cadmium	42,120	T	D80, T01, S01, S02, T02	
D007	Chromium	42,120	T	D80, T01, S01, S02, T02	
D008	Lead	42,120	T	D80, T01, S01, S02, T02	
D009	Mercury	42,120	T	D80, T01, S01, S02, T02	
D010	Selenium	42,120	T	D80, T01, S01, S02, T02	
D011	Silver	42,120	T	D80, T01, S01, S02, T02	
D012	Endrin	42,120	T	D80, T01, S01, S02, T02	
D013	Lindane	42,120	T	D80, T01, S01, S02, T02	
D014	Methoxychlor	42,120	T	D80, T01, S01, S02, T02	
D015	Toxaphene	42,120	T	D80, T01, S01, S02, T02	
D016	2,4-D	42,120	T	D80, T01, S01, S02, T02	
D017	2,4,5-TP (Silvex)	42,120	T	D80, T01, S01, S02, T02	
D018	Benzene	42,120	T	D80, T01, S01, S02, T02	
D019	Carbon tetrachloride	42,120	T	D80, T01, S01, S02, T02	
D020	Chlordane	42,120	T	D80, T01, S01, S02, T02	
D021	Chlorobenzene	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
D022	Chloroform	42,120	T	D80, T01, S01, S02, T02	
D023	o-Cresol	42,120	T	D80, T01; S01, S02, T02	
D024	m-Cresol	42,120	T	D80, T01, S01, S02, T02	
D025	p-Cresol	42,120	T	D80, T01, S01, S02, T02	
D026	Cresol	42,120	T	D80, T01, S01, S02, T02	
D027	1,4-Dichlorobenzene	42,120	T	D80, T01, S01, S02, T02	
D028	1,2-Dichloroethane	42,120	T	D80, T01, S01, S02, T02	
D029	1,1-Dichloroethylene	42,120	T	D80, T01, S01, S02, T02	
D030	2,4-Dinitrotoluene	42,120	T	D80, T01, S01, S02, T02	
D031	Heptachlor (and its epoxide)	42,120	T	D80, T01, S01, S02, T02	
D032	Hexachlorobenzene	42,120	T	D80, T01, S01, S02, T02	
D033	Hexachlorobutadiene	42,120	T	D80, T01; S01, S02, T02	
D034	Hexachloroethane	42,120	T	D80, T01, S01, S02, T02	
D035	Methyl ethyl ketone	42,120	T	D80, T01, S01, S02, T02	
D036	Nitrobenzene	42,120	T	D80, T01, S01, S02, T02	
D037	Pentachlorophenol	42,120	T	D80, T01, S01, S02, T02	
D038	Pyridine	42,120	T	D80, T01, S01, S02, T02	
D039	Tetrachloroethylene	42,120	T	D80, T01, S01, S02, T02	
D040	Trichloroethylene	42,120	T	D80, T01; S01, S02, T02	
D041	2,4,5-Trichlorophenol	42,120	T	D80, T01, S01, S02, T02	
D042	2,4,6-Trichlorophenol	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

EPA CODE	CHARACTERISTIC OR CONTAMINANT	ESTIMATED ANNUAL QUANTITY OF WASTE	UNIT OF MEASURE	PROCESS CODES	PROCESS DESCRIPTION
D043	Vinyl chloride	42,120	T	D80, T01, S01, S02, T02	

EPA CODE	CHARACTERISTIC OR CONTAMINANT	ESTIMATED ANNUAL QUANTITY OF WASTE	UNIT OF MEASURE	PROCESS CODES	PROCESS DESCRIPTION
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	42,120	T	D80, T01, S01, S02, T02	
F002	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, orthodichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; All halogenated 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	42,120	T	D80, T01, S01, S02, T02	
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, 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	42,120	T	D80, T01, S01, S02, T02	
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	42,120	T	D80, T01, S01, S02, T02	
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	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

EPA CODE	CHARACTERISTIC OR CONTAMINANT	ESTIMATED ANNUAL QUANTITY OF WASTE	UNIT OF MEASURE	PROCESS CODES	PROCESS DESCRIPTION
F006	Wastewater treatment sludges from electroplating operations except from the following processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum	42,120	T	D80, T01, S01, S02, T02	
F007	Spent cyanide plating bath solutions from electroplating operations	42,120	T	D80, T01, S01, S02, T02	
F008	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process	42,120	T	D80, T01, S01, S02, T02	
F009	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process	42,120	T	D80, T01, S01, S02, T02	
F010	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process	42,120	T	D80, T01, S01, S02, T02	
F011	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations	42,120	T	D80, T01, S01, S02, T02	
F012	Quenching waste water treatment sludges from metal heat treating operations where cyanides are used in the process	42,120	T	D80, T01, S01, S02, T02	
F019	Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process	42,120	T	D80, T01, S01, S02, T02	
F024	Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludges, spent catalysts, and wastes listed in §261.31 or §261.32.)	42,120	T	D80, T01, S01, S02, T02	
F025	Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution	42,120	T	D80, T01, S01, S02, T02	
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, F027.	42,120	T	D80, T01, S01, S02, T02	
F032	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with 40 CFR 261.35 of this chapter and where the generator does not resume or initiate use of chlorophenolic formulations). This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

EPA CODE	CHARACTERISTIC OR CONTAMINANT	ESTIMATED ANNUAL QUANTITY OF WASTE	UNIT OF MEASURE	PROCESS CODES	PROCESS DESCRIPTION
F034	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving process generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	42,120	T	D80, T01, S01, S02, T02	
F035	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving process generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	42,120	T	D80, T01, S01, S02, T02	
F037	Petroleum refinery primary oil/water/solids separation-sludge-Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through-cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in 40 CFR 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing	42,120	T	D80, T01, S01, S02, T02	
F038	Petroleum refinery secondary (emulsified) oil/water/solids separation sludge-Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges and floats generated in aggressive biological treatment units as defined in 40 CFR 261.31(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and F037, K048, and K051 wastes are not included in this listing	42,120	T	D80, T01, S01, S02, T02	
F039	Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of this part. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other Hazardous Wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.)	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol	42,120	T	D80, T01, S01, S02, T02	
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments	42,120	T	D80, T01, S01, S02, T02	
K003	Wastewater treatment sludge from the production of molybdate orange pigments	42,120	T	D80, T01, S01, S02, T02	
K004	Wastewater treatment sludge from the production of zinc yellow pigments	42,120	T	D80, T01, S01, S02, T02	
K005	Wastewater treatment sludge from the production of chrome green pigments	42,120	T	D80, T01, S01, S02, T02	
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated)	42,120	T	D80, T01, S01, S02, T02	
K007	Wastewater treatment sludge from the production of iron blue pigments	42,120	T	D80, T01, S01, S02, T02	
K008	Oven residue from the production of chrome oxide green pigments	42,120	T	D80, T01, S01, S02, T02	
K009	Distillation bottoms from the production of acetaldehyde from ethylene	42,120	T	D80, T01, S01, S02, T02	
K010	Distillation side cuts from the production of acetaldehyde from ethylene	42,120	T	D80, T01, S01, S02, T02	
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile	42,120	T	D80, T01, S01, S02, T02	
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile	42,120	T	D80, T01, S01, S02, T02	
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile	42,120	T	D80, T01, S01, S02, T02	
K015	Still bottoms from the distillation of benzyl chloride	42,120	T	D80, T01, S01, S02, T02	
K016	Heavy ends or distillation residues from the production of carbon tetrachloride	42,120	T	D80, T01, S01, S02, T02	
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin	42,120	T	D80, T01, S01, S02, T02	
K018	Heavy ends from the fractionation column in ethyl chloride production	42,120	T	D80, T01, S01, S02, T02	
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production	42,120	T	D80, T01, S01, S02, T02	
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production	42,120	T	D80, T01, S01, S02, T02	
K021	Aqueous spent antimony catalyst waste from fluoromethanes production	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

<i>EPA CODE</i>	<i>CHARACTERISTIC OR CONTAMINANT</i>	<i>ESTIMATED ANNUAL QUANTITY OF WASTE</i>	<i>UNIT OF MEASURE</i>	<i>PROCESS CODES</i>	<i>PROCESS DESCRIPTION</i>
K022	Distillation bottom tars from the production of phenol/acetone from cumene	42,120	T	D80, T01, S01, S02, T02	
K023	Distillation light ends from the production of phthalic anhydride from naphthalene	42,120	T	D80, T01, S01, S02, T02	
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene	42,120	T	D80, T01, S01, S02, T02	
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene	42,120	T	D80, T01, S01, S02, T02	
K026	Stripping still tails from the production of methy ethyl pyridines	42,120	T	D80, T01, S01, S02, T02	
K027	Centrifuge and distillation residues from toluene diisocyanate production	42,120	T	D80, T01, S01, S02, T02	
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane	42,120	T	D80, T01, S01, S02, T02	
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane	42,120	T	D80, T01, S01, S02, T02	
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene	42,120	T	D80, T01, S01, S02, T02	
K031	By-product salts generated in the production of MSMA and cacodylic acid	42,120	T	D80, T01, S01, S02, T02	
K032	Wastewater treatment sludge from the production of chlordane	42,120	T	D80, T01, S01, S02, T02	
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane	42,120	T	D80, T01, S01, S02, T02	
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane	42,120	T	D80, T01, S01, S02, T02	
K035	Wastewater treatment sludges generated in the production of creosote	42,120	T	D80, T01, S01, S02, T02	
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton	42,120	T	D80, T01, S01, S02, T02	
K037	Wastewater treatment sludges from the production of disulfoton	42,120	T	D80, T01, S01, S02, T02	
K038	Wastewater from the washing and stripping of phorate production	42,120	T	D80, T01, S01, S02, T02	
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate	42,120	T	D80, T01, S01, S02, T02	
K040	Wastewater treatment sludge from the production of phorate	42,120	T	D80, T01, S01, S02, T02	
K041	Wastewater treatment sludge from the production toxaphene	42,120	T	D80, T01, S01, S02, T02	
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

EPA CODE	CHARACTERISTIC OR CONTAMINANT	ESTIMATED ANNUAL QUANTITY OF WASTE	UNIT OF MEASURE	PROCESS CODES	PROCESS DESCRIPTION
K043	2,6-Dichlorophenol waste from the production of 2,4-D	42,120	T	D80, T01, S01, S02, T02	
K044	Wastewater treatment sludges from the manufacturing and processing of explosives	42,120	T	D80, T01, S01, S02, T02	
K045	Spent carbon from the treatment of wastewater containing explosives	42,120	T	D80, T01, S01, S02, T02	
K046	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds	42,120	T	D80, T01, S01, S02, T02	
K047	Pink/red water from TNT operations	42,120	T	D80, T01, S01, S02, T02	
K048	Dissolved air flotation (DAF) float from the petroleum refining industry	42,120	T	D80, T01, S01, S02, T02	
K049	Slop oil emulsion solids from the petroleum refining industry	42,120	T	D80, T01, S01, S02, T02	
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry	42,120	T	D80, T01, S01, S02, T02	
K051	API separator sludge from the petroleum refining industry	42,120	T	D80, T01, S01, S02, T02	
K052	Tank bottoms (leaded) from the petroleum refining industry	42,120	T	D80, T01, S01, S02, T02	
K060	Ammonia still lime sludge from coking operations	42,120	T	D80, T01, S01, S02, T02	
K061	Emission control dust/sludge from the primary production of steel in electric furnaces	42,120	T	D80, T01, S01, S02, T02	
K062	Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332)	42,120	T	D80, T01, S01, S02, T02	
K064	Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production	42,120	T	D80, T01, S01, S02, T02	
K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities	42,120	T	D80, T01, S01, S02, T02	
K066	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production	42,120	T	D80, T01, S01, S02, T02	
K069	Emission control dust/sludge from secondary lead smelting. (Note: This listing is stayed administratively for sludge generated from secondary acid scrubber systems. The stay will remain in effect until further administrative action is taken. If EPA takes further action effecting this stay, EPA will publish a notice of the action in the Federal Register.)	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

EPA CODE	CHARACTERISTIC OR CONTAMINANT	ESTIMATED ANNUAL QUANTITY OF WASTE	UNIT OF MEASURE	PROCESS CODES	PROCESS DESCRIPTION
K071	Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used	42,120	T	D80, T01, S01, S02, T02	
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production	42,120	T	D80, T01, S01, S02, T02	
K083	Distillation bottoms from aniline production	42,120	T	D80, T01, S01, S02, T02	
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	42,120	T	D80, T01, S01, S02, T02	
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes	42,120	T	D80, T01, S01, S02, T02	
K086	Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead	42,120	T	D80, T01, S01, S02, T02	
K087	Decanter tank tar sludge from coking operations	42,120	T	D80, T01, S01, S02, T02	
K088	Spent potliners from primary aluminum reduction	42,120	T	D80, T01, S01, S02, T02	
K090	Emission control dust or sludge from ferrochromiumsilicon production	42,120	T	D80, T01, S01, S02, T02	
K091	Emission control dust or sludge from ferrochromium production	42,120	T	D80, T01, S01, S02, T02	
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene	42,120	T	D80, T01, S01, S02, T02	
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene	42,120	T	D80, T01, S01, S02, T02	
K095	Distillation bottoms from the production of 1,1,1-trichloroethane	42,120	T	D80, T01, S01, S02, T02	
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane	42,120	T	D80, T01, S01, S02, T02	
K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane	42,120	T	D80, T01, S01, S02, T02	
K098	Untreated process wastewater from the production of toxaphene	42,120	T	D80, T01, S01, S02, T02	
K099	Untreated wastewater from the production of 2,4-D	42,120	T	D80, T01, S01, S02, T02	
K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	42,120	T	D80, T01, S01, S02, T02	
K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	42,120	T	D80, T01, S01, S02, T02	
K103	Process residues from aniline extraction from the production of aniline	42,120	T	D80, T01, S01, S02, T02	
K104	Combined wastewater streams generated from nitrobenzene/aniline production	42,120	T	D80, T01, S01, S02, T02	
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes	42,120	T	D80, T01, S01, S02, T02	
K106	Wastewater treatment sludge from the mercury cell process in chlorine production	42,120	T	D80, T01, S01, S02, T02	
K107	Column bottoms from product separation from the production of 1,1-dimethyl-hydrazine (UDMH) from carboxylic acid hydrazides	42,120	T	D80, T01, S01, S02, T02	
K108	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides	42,120	T	D80, T01, S01, S02, T02	
K109	Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides	42,120	T	D80, T01, S01, S02, T02	
K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides	42,120	T	D80, T01, S01, S02, T02	
K111	Product washwaters from the production of dinitrotoluene via nitration of toluene	42,120	T	D80, T01, S01, S02, T02	
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene	42,120	T	D80, T01, S01, S02, T02	
K113	Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	42,120	T	D80, T01, S01, S02, T02	
K114	Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	42,120	T	D80, T01, S01, S02, T02	
K115	Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

EPA CODE	CHARACTERISTIC OR CONTAMINANT	ESTIMATED ANNUAL QUANTITY OF WASTE	UNIT OF MEASURE	PROCESS CODES	PROCESS DESCRIPTION
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine	42,120	T	D80, T01, S01, S02, T02	
K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene	42,120	T	D80, T01, S01, S02, T02	
K118	Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene	42,120	T	D80, T01, S01, S02, T02	
K123	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salt	42,120	T	D80, T01, S01, S02, T02	
K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts	42,120	T	D80, T01, S01, S02, T02	
K125	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts	42,120	T	D80, T01, S01, S02, T02	
K126	Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts	42,120	T	D80, T01, S01, S02, T02	
K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide	42,120	T	D80, T01, S01, S02, T02	
K132	Spent adsorbent and wastewater separator solids from the production of methyl bromide	42,120	T	D80, T01, S01, S02, T02	
K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene	42,120	T	D80, T01, S01, S02, T02	
K141	Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludges from coking operations).	42,120	T	D80, T01, S01, S02, T02	
K142	Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products from coal.	42,120	T	D80, T01, S01, S02, T02	
K143	Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.	42,120	T	D80, T01, S01, S02, T02	
K144	Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.	42,120	T	D80, T01, S01, S02, T02	
K145	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

<i>EPA CODE</i>	<i>CHARACTERISTIC OR CONTAMINANT</i>	<i>ESTIMATED ANNUAL QUANTITY OF WASTE</i>	<i>UNIT OF MEASURE</i>	<i>PROCESS CODES</i>	<i>PROCESS DESCRIPTION</i>
K147	Tar storage tank residues from coal tar refining	42,120	T	D80, T01, S01, S02, T02	
K148	Residues from coal tar distillation, including but not limited to, still bottoms	42,120	T	D80, T01, S01, S02, T02	
K149	Distillation bottoms from the production of alpha-(or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups (this waste does not include still bottoms from the distillation of benzyl chloride).	42,120	T	D80, T01, S01, S02, T02	
K150	Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha-(or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	42,120	T	D80, T01, S01, S02, T02	
K151	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha-(or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
P001	Warfarin, & salts, when present at concentrations greater than 0.3%, 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1 phenylbutyl)-, & salts, when present at concentrations greater than 0.3%	42,120	T	D80, T01, S01, S02, T02	
P002	Acetamide, N-(aminothioxomethyl)-, 1-Acetyl-2-thiourea	42,120	T	D80, T01, S01, S02, T02	
P003	Acrolein, 2-Propenal	42,120	T	D80, T01, S01, S02, T02	
P004	Aldrin, 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro- 1,4,4a,5,8,8a,-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)-	42,120	T	D80, T01, S01, S02, T02	
P005	2-Propen-1-ol, Allyl alcohol	42,120	T	D80, T01, S01, S02, T02	
P006	Aluminum phosphide	42,120	T	D80, T01, S01, S02, T02	
P007	5-(Aminomethyl)-3-isoxazolol, 3(2H)-Isoxazolone, 5-(aminomethyl)-	42,120	T	D80, T01, S01, S02, T02	
P008	4-Pyridinamine, 4-Aminopyridine	42,120	T	D80, T01, S01, S02, T02	
P009	Phenol, 2,4,6-trinitro-, ammonium salt, Ammonium picrate	42,120	T	D80, T01, S01, S02, T02	
P010	Arsenic acid H <sub>3</sub> AsO <sub>4</sub>	42,120	T	D80, T01, S01, S02, T02	
P011	Arsenic pentoxide, Arsenic oxide As <sub>2</sub> O <sub>5</sub>	42,120	T	D80, T01, S01, S02, T02	
P012	Arsenic oxide As <sub>2</sub> O <sub>3</sub> , Arsenic trioxide	42,120	T	D80, T01, S01, S02, T02	
P013	Barium cyanide	42,120	T	D80, T01, S01, S02, T02	
P014	Benzenethiol, Thiophenol	42,120	T	D80, T01, S01, S02, T02	
P015	Beryllium powder	42,120	T	D80, T01, S01, S02, T02	
P016	Dichloromethyl ether, Methane, oxybis[chloro-	42,120	T	D80, T01, S01, S02, T02	
P017	2-Propanone, 1-bromo-, Bromoacetone	42,120	T	D80, T01, S01, S02, T02	
P018	Strychnidin-10-one, 2,3-dimethoxy-, Brucine	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
P020	Phenol, 2-(1-methylpropyl)-4,6-dinitro-, Dinoseb	42,120	T	D80, T01, S01, S02, T02	
P021	Calcium cyanide, Calcium cyanide Ca(CN) <sub>2</sub>	42,120	T	D80, T01, S01, S02, T02	
P022	Carbon disulfide	42,120	T	D80, T01, S01, S02, T02	
P023	Acetaldehyde, chloro-, Chloroacetaldehyde	42,120	T	D80, T01, S01, S02, T02	
P024	Benzenamine, 4-chloro-, p-Chloroaniline	42,120	T	D80, T01, S01, S02, T02	
P026	Thiourea, (2-chlorophenyl)-, 1-(o-Chlorophenyl)thiourea	42,120	T	D80, T01, S01, S02, T02	
P027	Propanenitrile, 3-chloro-, 3-Chloropropionitrile	42,120	T	D80, T01, S01, S02, T02	
P028	Benzene, (chloromethyl)-, Benzyl chloride	42,120	T	D80, T01, S01, S02, T02	
P029	Copper cyanide, Copper cyanide Cu(CN)	42,120	T	D80, T01, S01, S02, T02	
P030	Cyanides (soluble cyanide salts), not otherwise specified	42,120	T	D80, T01, S01, S02, T02	
P031	Ethanedinitrile, Cyanogen	42,120	T	D80, T01, S01, S02, T02	
P033	Cyanogen chloride (CN)Cl, Cyanogen chloride	42,120	T	D80, T01, S01, S02, T02	
P034	2-Cyclohexyl-4,6-dinitrophenol, Phenol, 2-cyclohexyl-4,6-dinitro-	42,120	T	D80, T01, S01, S02, T02	
P036	Dichlorophenylarsine, Arsonous dichloride, phenyl-	42,120	T	D80, T01, S01, S02, T02	
P037	Dieldrin, 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-, (1a- pha,2beta,2alpha,3beta,6beta,6alpha,7beta,7alpha)-	42,120	T	D80, T01, S01, S02, T02	
P038	Arsine, diethyl-, Diethylarsine	42,120	T	D80, T01, S01, S02, T02	
P039	Disulfoton, Phosphorodithioic acid, O,O-diethyl...S- [2-(ethylthio)ethyl] ester	42,120	T	D80, T01, S01, S02, T02	
P040	O,O-Diethyl O-pyrazinyl phosphorothioate, Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	42,120	T	D80, T01, S01, S02, T02	
P041	Phosphoric acid, diethyl 4-nitrophenyl ester, Diethyl-p-nitrophenyl phosphate	42,120	T	D80, T01, S01, S02, T02	
P042	Epinephrine, 1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-,	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

EPA CODE	CHARACTERISTIC OR CONTAMINANT	ESTIMATED ANNUAL QUANTITY OF WASTE	UNIT OF MEASURE	PROCESS CODES	PROCESS DESCRIPTION
P043	Phosphorofluoridic acid, bis(1-methylethyl) ester, Diisopropylfluorophosphate (DFP)	42,120	T	D80, T01, S01, S02, T02	
P044	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester, Dimethoate	42,120	T	D80, T01, S01, S02, T02	
P045	2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[methylamino]carbonyl oxime, Thiofanox	42,120	T	D80, T01, S01, S02, T02	
P046	Benzeneethanamine, alpha,alpha-dimethyl-, alpha,alpha-Dimethylphenethylamine	42,120	T	D80, T01, S01, S02, T02	
P047	Phenol, 2-methyl-4,6-dinitro-, & salts, 4,6-Dinitro-o-cresol, & salts	42,120	T	D80, T01, S01, S02, T02	
P048	Phenol, 2,4-dinitro-, 2,4-Dinitrophenol	42,120	T	D80, T01, S01, S02, T02	
P049	Dithiobiuret, Thioimidodicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> NH	42,120	T	D80, T01, S01, S02, T02	
P050	Endosulfan, 6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide	42,120	T	D80, T01, S01, S02, T02	
P051	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-, (1alpha,2beta,2beta,3alpha,6alpha,6beta,7beta, 7alpha)-, & metabolites, Endrin, & metabolites, Endrin	42,120	T	D80, T01, S01, S02, T02	
P054	Ethyleneimine, Aziridine	42,120	T	D80, T01, S01, S02, T02	
P056	Fluorine	42,120	T	D80, T01, S01, S02, T02	
P057	Acetamide, 2-fluoro-, Fluoroacetamide	42,120	T	D80, T01, S01, S02, T02	
P058	Acetic acid, fluoro-, sodium salt, Fluoroacetic acid, sodium salt	42,120	T	D80, T01, S01, S02, T02	
P059	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro ...3a,4,7,7a-tetrahydro-, Heptachlor	42,120	T	D80, T01, S01, S02, T02	
P060	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro- 1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4beta,5beta,8beta,8beta)-, Isodrin	42,120	T	D80, T01, S01, S02, T02	
P062	Tetraphosphoric acid, hexaethyl ester, Hexaethyl tetraphosphate	42,120	T	D80, T01, S01, S02, T02	
P063	Hydrocyanic acid, Hydrogen cyanide	42,120	T	D80, T01, S01, S02, T02	
P064	Methyl isocyanate, Methane, isocyanato-	42,120	T	D80, T01, S01, S02, T02	
P065	Fulminic acid, mercury(2+) salt, Mercury fulminate	42,120	T	D80, T01, S01, S02, T02	
P066	Methomyl, Ethanimidothioic acid, ...N-[(methylamino)carbonyl]oxy-, methyl ester	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

<i>RPA CODE</i>	<i>CHARACTERISTIC OR CONTAMINANT</i>	<i>ESTIMATED ANNUAL QUANTITY OF WASTE</i>	<i>UNIT OF MEASURE</i>	<i>PROCESS CODES</i>	<i>PROCESS DESCRIPTION</i>
P067	Aziridine, 2-methyl-, 1,2-Propylenimine	42,120	T	D80, T01, S01, S02, T02	
P068	Methyl hydrazine, Hydrazine, methyl-	42,120	T	D80, T01, S01, S02, T02	
P069	2-Methylacetonitrile, Propanenitrile, 2-hydroxy-2-methyl-	42,120	T	D80, T01, S01, S02, T02	
P070	Propanal, 2-methyl-2-(methylthio)-,...O-[(methylami- no)carbonyl] oxime, Aldicarb	42,120	T	D80, T01, S01, S02, T02	
P071	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester, Methyl parathion	42,120	T	D80, T01, S01, S02, T02	
P072	Thiourea, 1-naphthalenyl-, alpha-Naphthylthiourea	42,120	T	D80, T01, S01, S02, T02	
P073	Nickel carbonyl Ni(CO) <sub>4</sub> , (T-4)-, Nickel carbonyl	42,120	T	D80, T01, S01, S02, T02	
P074	Nickel cyanide, Nickel cynaide Ni(CN) <sub>2</sub>	42,120	T	D80, T01, S01, S02, T02	
P075	Nicotine, & salts, Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts	42,120	T	D80, T01, S01, S02, T02	
P076	Nitric oxide, Nitrogen oxide NO	42,120	T	D80, T01, S01, S02, T02	
P077	p-Nitroaniline, Benzenamine, 4-nitro-	42,120	T	D80, T01, S01, S02, T02	
P078	Nitrogen dioxide, Nitrogen oxide NO <sub>2</sub>	42,120	T	D80, T01, S01, S02, T02	
P081	1,2,3-Propanetriol, trinitrate, Nitroglycerine	42,120	T	D80, T01, S01, S02, T02	
P082	N-Nitrosodimethylamine, Methanamine, N-methyl-N-nitroso-	42,120	T	D80, T01, S01, S02, T02	
P084	N-Nitrosomethylvinylamine, Vinylamine, N-methyl-N-nitroso-	42,120	T	D80, T01, S01, S02, T02	
P085	Diphosphoramidate, octamethyl-, Octamethylpyrophosphoramidate	42,120	T	D80, T01, S01, S02, T02	
P087	Osmium oxide OsO <sub>4</sub> , (T-4)-, Osmium tetroxide	42,120	T	D80, T01, S01, S02, T02	
P088	Endothall, 7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	42,120	T	D80, T01, S01, S02, T02	
P089	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester, Parathion	42,120	T	D80, T01, S01, S02, T02	
P092	Phenylmercury acetate, Mercury, (acetato-O)phenyl-	42,120	T	D80, T01, S01, S02, T02	
P093	Thiourea, phenyl-, Phenylthiourea	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

<i>EPA CODE</i>	<i>CHARACTERISTIC OR CONTAMINANT</i>	<i>ESTIMATED ANNUAL QUANTITY OF WASTE</i>	<i>UNIT OF MEASURE</i>	<i>PROCESS CODES</i>	<i>PROCESS DESCRIPTION</i>
P094	Phosphorodithioic acid, O,O-diethyl...S- [(ethylthio)methyl] ester, Phorate	42,120	T	D80, T01, S01, S02, T02	
P095	Phosgene, Carbonic dichloride	42,120	T	D80, T01, S01, S02, T02	
P096	Phosphine, Hydrogen phosphide	42,120	T	D80, T01, S01, S02, T02	
P097	Famphur, Phosphorothioic acid, ...O-[4-[(dimethyl-amino)sulfonyl]phenyl] O,O-dimethyl ester	42,120	T	D80, T01, S01, S02, T02	
P098	Potassium cyanide, Potassium cyanide K(CN)	42,120	T	D80, T01, S01, S02, T02	
P099	Potassium silver cyanide, Argentate(1-), bis(cyano-C)-, potassium	42,120	T	D80, T01, S01, S02, T02	
P101	Ethyl cyanide, Propanenitrile	42,120	T	D80, T01, S01, S02, T02	
P102	Propargyl alcohol, 2-Propyn-1-ol	42,120	T	D80, T01, S01, S02, T02	
P103	Selenourea	42,120	T	D80, T01, S01, S02, T02	
P104	Silver cyanide Ag(CN), Silver cyanide	42,120	T	D80, T01, S01, S02, T02	
P105	Sodium azide	42,120	T	D80, T01, S01, S02, T02	
P106	Sodium cyanide, Sodium cyanide Na(CN)	42,120	T	D80, T01, S01, S02, T02	
P108	Strychnidin-10-one, & salts, Strychnine, & salts	42,120	T	D80, T01, S01, S02, T02	
P109	Thiodiphosphoric acid, tetraethyl ester, Tetraethylthiopyrophosphate	42,120	T	D80, T01, S01, S02, T02	
P110	Plumbane, tetraethyl-, Tetraethyl lead	42,120	T	D80, T01, S01, S02, T02	
P111	Tetraethyl pyrophosphate, Diphosphoric acid, tetraethyl ester	42,120	T	D80, T01, S01, S02, T02	
P112	Tetranitromethane, Methane, tetranitro-	42,120	T	D80, T01, S01, S02, T02	
P113	Thallic oxide, Thallium oxide Tl <sub>2</sub> O <sub>3</sub>	42,120	T	D80, T01, S01, S02, T02	
P114	Selenious acid, dithallium(1+) salt, Thallium(I) selenite	42,120	T	D80, T01, S01, S02, T02	
P115	Thallium(I) sulfate, Sulfuric acid, dithallium(1+) salt	42,120	T	D80, T01, S01, S02, T02	
P116	Hydrazinecarbothioamide, Thiosemicarbazide	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

<i>EPA CODE</i>	<i>CHARACTERISTIC OR CONTAMINANT</i>	<i>ESTIMATED ANNUAL QUANTITY OF WASTE</i>	<i>UNIT OF MEASURE</i>	<i>PROCESS CODES</i>	<i>PROCESS DESCRIPTION</i>
P118	Methanethiol, trichloro-, Trichloromethanethiol	42,120	T	D80, T01, S01, S02, T02	
P119	Vanadic acid, ammonium salt, Ammonium vanadate	42,120	T	D80, T01, S01, S02, T02	
P120	Vanadium oxide V <sub>2</sub> O <sub>5</sub> , Vanadium pentoxide	42,120	T	D80, T01, S01, S02, T02	
P121	Zinc cyanide Zn(CN) <sub>2</sub> , Zinc cyanide	42,120	T	D80, T01, S01, S02, T02	
P122	Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations greater than 10%	42,120	T	D80, T01, S01, S02, T02	
P123	Toxaphene	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

EPA CODE	CHARACTERISTIC OR CONTAMINANT	ESTIMATED ANNUAL QUANTITY OF WASTE	UNIT OF MEASURE	PROCESS CODES	PROCESS DESCRIPTION
U001	Acetaldehyde, Ethanal	42,120	T	D80, T01, S01, S02, T02	
U002	Acetone, 2-Propanone	42,120	T	D80, T01, S01, S02, T02	
U003	Acetonitrile	42,120	T	D80, T01, S01, S02, T02	
U004	Ethanone, 1-phenyl-, Acetophenone	42,120	T	D80, T01, S01, S02, T02	
U005	2-Acetylaminofluorene, Acetamide, N-9H-fluoren-2-yl-	42,120	T	D80, T01, S01, S02, T02	
U006	Acetyl chloride	42,120	T	D80, T01, S01, S02, T02	
U007	Acrylamide, 2-Propenamide	42,120	T	D80, T01, S01, S02, 02	
U008	Acrylic acid, 2-Propenoic acid	42,120	T	D80, T01, S01, S02, T02	
U009	Acrylonitrile, 2-Propenenitrile	42,120	T	D80, T01, S01, S02, T02	
U010	Azirino[2',3':3,4]pyrrolo [1,2-a]indole-4,7-dione, 6-amino-8-[(aminocarbonyloxy)methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8aalpha,8balph)]-, Mitomycin C	42,120	T	D80, T01, S01, S02, T02	
U011	Amitrole, 1H-1,2,4-Triazol-3-amine	42,120	T	D80, T01, S01, S02, T02	
U012	Aniline, Benzenamine	42,120	T	D80, T01, S01, S02, T02	
U014	Benzenamine, 4,4'-carbonimidoylbis [N,N-dimethyl-, Auramine	42,120	T	D80, T01, S01, S02, T02	
U015	Azaserine, L-Serine, diazoacetate (ester)	42,120	T	D80, T01, S01, S02, T02	
U016	Benz[c]acridine	42,120	T	D80, T01, S01, S02, T02	
U017	Benzal chloride, Benzene, (dichloromethyl)-	42,120	T	D80, T01, S01, S02, T02	
U018	Benz[a]anthracene	42,120	T	D80, T01, S01, S02, T02	
U019	Benzene	42,120	T	D80, T01, S01, S02, T02	
U020	Benzenesulfonic acid chloride, Benzenesulfonyl chloride	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
U021	[1,1'-Biphenyl]-4,4'-diamine, Benzidine	42,120	T	D80, T01, S01, S02, T02	
U022	Benzo[a]pyrene	42,120	T	D80, T01, S01, S02, T02	
U023	Benzotrichloride, Benzene, (trichloromethyl)-	42,120	T	D80, T01, S01, S02, T02	
U024	Dichloromethoxy ethane, Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-	42,120	T	D80, T01, S01, S02, T02	
U025	Ethane, 1,1'-oxybis[2-chloro-, Dichloroethyl ether	42,120	T	D80, T01, S01, S02, T02	
U026	Chlornaphazin, Naphthalenamine, N,N'-bis(2-chloroethyl)-	42,120	T	D80, T01, S01, S02, T02	
U027	Dichloroisopropyl ether, Propane, 2,2'-oxybis[2-chloro-	42,120	T	D80, T01, S01, S02, T02	
U028	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester, Diethylhexyl phthalate	42,120	T	D80, T01, S01, S02, T02	
U029	Methane, bromo-, Methyl bromide	42,120	T	D80, T01, S01, S02, T02	
U030	Benzene, 1-bromo-4-phenoxy-, 4-Bromophenyl phenyl ether	42,120	T	D80, T01, S01, S02, T02	
U031	n-Butyl alcohol, 1-Butanol	42,120	T	D80, T01, S01, S02, T02	
U032	Calcium chromate, Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt	42,120	T	D80, T01, S01, S02, T02	
U033	Carbon oxyfluoride, Carbonic difluoride	42,120	T	D80, T01, S01, S02, T02	
U034	Chloral, Acetaldehyde, trichloro-	42,120	T	D80, T01, S01, S02, T02	
U035	Chlorambucil, Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	42,120	T	D80, T01, S01, S02, T02	
U036	Chlordane, alpha & gamma isomers, 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	42,120	T	D80, T01, S01, S02, T02	
U037	Benzene, chloro-, Chlorobenzene	42,120	T	D80, T01, S01, S02, T02	
U038	Chlorobenzilate, Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-al- pha-hydroxy-, ethyl ester	42,120	T	D80, T01, S01, S02, T02	
U039	p-Chloro-m-cresol, Phenol, 4-chloro-3-methyl-	42,120	T	D80, T01, S01, S02, T02	
U041	Epichlorohydrin, Oxirane, (chloromethyl)-	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
U042	Ethene, (2-chloroethoxy)-, 2-Chloroethyl vinyl ether	42,120	T	D80, T01, S01, S02, T02	
U043	Ethene, chloro-, Vinyl chloride	42,120	T	D80, T01, S01, S02, T02	
U044	Chloroform, Methane, trichloro-	42,120	T	D80, T01, S01, S02, T02	
U045	Methane, chloro-, Methyl chloride	42,120	T	D80, T01, S01, S02, T02	
U046	Chloromethyl methyl ether, Methane, chloromethoxy-	42,120	T	D80, T01, S01, S02, T02	
U047	beta-Chloronaphthalene, Naphthalene, 2-chloro-	42,120	T	D80, T01, S01, S02, T02	
U048	o-Chlorophenol, Phenol, 2-chloro-	42,120	T	D80, T01, S01, S02, T02	
U049	4-Chloro-o-toluidine, hydrochloride, Benzenamine, 4-chloro-2-methyl-, hydrochloride	42,120	T	D80, T01, S01, S02, T02	
U050	Chrysene	42,120	T	D80, T01, S01, S02, T02	
U051	Creosote	42,120	T	D80, T01, S01, S02, T02	
U052	Cresol (Cresylic acid), Phenol, methyl-	42,120	T	D80, T01, S01, S02, T02	
U053	Crotonaldehyde, 2-Butenal	42,120	T	D80, T01, S01, S02, T02	
U055	Benzene, (1-methylethyl)-, Cumene	42,120	T	D80, T01, S01, S02, T02	
U056	Cyclohexane, Benzene, hexahydro-	42,120	T	D80, T01, S01, S02, T02	
U057	Cyclohexanone	42,120	T	D80, T01, S01, S02, T02	
U058	Cyclophosphamide, 2H-1,3,2-Oxazaphosphorin-2-amine, ...N,N-bis(2-chloroethyl) tetrahydro-, 2-oxide	42,120	T	D80, T01, S01, S02, T02	
U059	5,12-Naphthacenedione, 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)-, Daunomycin	42,120	T	D80, T01, S01, S02, T02	
U060	DDD, Benzene, 1,1'-(2,2-dichloroethylidene)bis [4-chloro-	42,120	T	D80, T01, S01, S02, T02	
U061	DDT, Benzene, 1,1'-(2,2,2-trichloroethylidene)bis [4-chloro-	42,120	T	D80, T01, S01, S02, T02	
U062	Diallate, Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
U063	Dibenz[a,h]anthracene	42,120	T	D80, T01, S01, S02, T02	
U064	Benzo[rs]pentaphene, Dibenzo[a,i]pyrene	42,120	T	D80, T01, S01, S02, T02	
U066	1,2-Dibromo-3-chloropropane, Propane, 1,2-dibromo-3-chloro-	42,120	T	D80, T01, S01, S02, T02	
U067	Ethane, 1,2-dibromo-, Ethylene dibromide	42,120	T	D80, T01, S01, S02, T02	
U068	Methane, dibromo-, Methylene bromide	42,120	T	D80, T01, S01, S02, T02	
U069	Dibutyl phthalate, 1,2-Benzenedicarboxylic acid, dibutyl ester	42,120	T	D80, T01, S01, S02, T02	
U070	o-Dichlorobenzene, Benzene, 1,2-dichloro-	42,120	T	D80, T01, S01, S02, T02	
U071	m-Dichlorobenzene, Benzene, 1,3-dichloro-	42,120	T	D80, T01, S01, S02, T02	
U072	Benzene, 1,4-dichloro-, p-Dichlorobenzene	42,120	T	D80, T01, S01, S02, T02	
U073	3,3'-Dichlorobenzidine, [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-	42,120	T	D80, T01, S01, S02, T02	
U074	1,4-Dichloro-2-butene, 2-Butene, 1,4-dichloro-	42,120	T	D80, T01, S01, S02, T02	
U075	Methane, dichlorodifluoro-, Dichlorodifluoromethane	42,120	T	D80, T01, S01, S02, T02	
U076	Ethylidene dichloride, Ethane, 1,1-dichloro-	42,120	T	D80, T01, S01, S02, T02	
U077	Ethylene dichloride, Ethane, 1,2-dichloro-	42,120	T	D80, T01, S01, S02, T02	
U078	1,1-Dichloroethylene, Ethene, 1,1-dichloro-	42,120	T	D80, T01, S01, S02, T02	
U079	1,2-Dichloroethylene, Ethene, 1,2-dichloro-, (E)-	42,120	T	D80, T01, S01, S02, T02	
U080	Methane, dichloro-, Methylene chloride	42,120	T	D80, T01, S01, S02, T02	
U081	2,4-Dichlorophenol, Phenol, 2,4-dichloro-	42,120	T	D80, T01, S01, S02, T02	
U082	2,6-Dichlorophenol, Phenol, 2,6-dichloro-	42,120	T	D80, T01, S01, S02, T02	
U083	Propane, 1,2-dichloro-, Propylene dichloride	42,120	T	D80, T01, S01, S02, T02	
U084	1,3-Dichloropropene, 1-Propene, 1,3-dichloro-	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
U085	2,2'-Bioxirane, 1,2:3,4-Diepoxybutane	42,120	T	D80, T01, S01, S02, T02	
U086	N,N'-Diethylhydrazine, Hydrazine, 1,2-diethyl-	42,120	T	D80, T01, S01, S02, T02	
U087	O,O-Diethyl S-methyl dithiophosphate, Phosphorodithioic acid, O,O-diethyl S-methyl ester	42,120	T	D80, T01, S01, S02, T02	
U088	Diethyl phthalate, 1,2-Benzenedicarboxylic acid, diethyl ester	42,120	T	D80, T01, S01, S02, T02	
U089	Diethylstilbestrol, Phenol, 4,4'-(1,2-diethyl-1,2-ethenediy)bis-, (E)-	42,120	T	D80, T01, S01, S02, T02	
U090	Dihydrosafrole, 1,3-Benzodioxole, 5-propyl-	42,120	T	D80, T01, S01, S02, T02	
U091	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-, 3,3'-Dimethoxybenzidine	42,120	T	D80, T01, S01, S02, T02	
U092	Methanamine, N-methyl-, Dimethylamine	42,120	T	D80, T01, S01, S02, T02	
U093	p-Dimethylaminoazobenzene, Benzenamine, N,N-dimethyl-4-(phenylazo)-	42,120	T	D80, T01, S01, S02, T02	
U094	Benz[a]anthracene, 7,12-dimethyl-, 7,12-Dimethylbenz[a]anthracene	42,120	T	D80, T01, S01, S02, T02	
U095	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-, 3,3'-Dimethylbenzidine, 2,3,3'-Dimethylbenzidine	42,120	T	D80, T01, S01, S02, T02	
U096	Hydroperoxide, 1-methyl-1-phenylethyl-, alpha,alpha-Dimethylbenzylhydroperoxide	42,120	T	D80, T01, S01, S02, T02	
U097	Carbamic chloride, dimethyl-, Dimethylcarbamoyl chloride	42,120	T	D80, T01, S01, S02, T02	
U098	1,1-Dimethylhydrazine, Hydrazine, 1,1-dimethyl-	42,120	T	D80, T01, S01, S02, T02	
U099	Hydrazine, 1,2-dimethyl-, 1,2-Dimethylhydrazine	42,120	T	D80, T01, S01, S02, T02	
U101	2,4-Dimethylphenol, Phenol, 2,4-dimethyl-	42,120	T	D80, T01, S01, S02, T02	
U102	1,2-Benzenedicarboxylic acid, dimethyl ester, Dimethyl phthalate	42,120	T	D80, T01, S01, S02, T02	
U103	Dimethyl sulfate, Sulfuric acid, dimethyl ester	42,120	T	D80, T01, S01, S02, T02	
U105	Benzene, 1-methyl-2,4-dinitro-, 2,4-Dinitrotoluene	42,120	T	D80, T01, S01, S02, T02	
U106	2,6-Dinitrotoluene, Benzene, 2-methyl-1,3-dinitro-	42,120	T	D80, T01, S01, S02, T02	
U107	Di-n-octyl phthalate, 1,2-Benzenedicarboxylic acid, dioctyl ester	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
U108	1,4-Dioxane, 1,4-Diethyleneoxide	42,120	T	D80, T01, S01, S02, T02	
U109	1,2-Diphenylhydrazine, Hydrazine, 1,2-diphenyl-	42,120	T	D80, T01, S01, S02, T02	
U110	Dipropylamine, 1-Propanamine, N-propyl-	42,120	T	D80, T01, S01, S02, T02	
U111	Di-n-propylnitrosamine, 1-Propanamine, N-nitroso-N-propyl-	42,120	T	D80, T01, S01, S02, T02	
U112	Acetic acid ethyl ester, Ethyl acetate	42,120	T	D80, T01, S01, S02, T02	
U113	Ethyl acrylate, 2-Propenoic acid, ethyl ester	42,120	T	D80, T01, S01, S02, T02	
U114	Ethylenebisdithiocarbamic acid, salts & esters, Carbamodithioic acid, 1,2-ethanediybis-.... salts & esters	42,120	T	D80, T01, S01, S02, T02	
U115	Ethylene oxide, Oxirane	42,120	T	D80, T01, S01, S02, T02	
U116	Ethylenethiourea, 2-Imidazolidinethione	42,120	T	D80, T01, S01, S02, T02	
U117	Ethyl ether, Ethane, 1,1'-oxybis-	42,120	T	D80, T01, S01, S02, T02	
U118	Ethyl methacrylate, 2-Propenoic acid, 2-methyl-, ethyl ester	42,120	T	D80, T01, S01, S02, T02	
U119	Ethyl methanesulfonate, Methanesulfonic acid, ethyl ester	42,120	T	D80, T01, S01, S02, T02	
U120	Fluoranthene	42,120	T	D80, T01, S01, S02, T02	
U121	Methane, trichlorofluoro-, Trichloromonofluoromethane	42,120	T	D80, T01, S01, S02, T02	
U122	Formaldehyde	42,120	T	D80, T01, S01, S02, T02	
U123	Formic acid	42,120	T	D80, T01, S01, S02, T02	
U124	Furfuran, Furan	42,120	T	D80, T01, S01, S02, T02	
U125	2-Furancarboxaldehyde, Furfural	42,120	T	D80, T01, S01, S02, T02	
U126	Glycidylaldehyde, Oxiranecarboxyaldehyde	42,120	T	D80, T01, S01, S02, T02	
U127	Benzene, hexachloro-, Hexachlorobenzene	42,120	T	D80, T01, S01, S02, T02	
U128	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-, Hexachlorobutadiene	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

EPA CODE	CHARACTERISTIC OR CONTAMINANT	ESTIMATED ANNUAL QUANTITY OF WASTE	UNIT OF MEASURE	PROCESS CODES	PROCESS DESCRIPTION
U129	Lindane, Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1 $\alpha$ -pha,2 $\alpha$ pha,3 $\beta$ eta,4 $\alpha$ pha,5 $\alpha$ pha,6 $\beta$ eta)-	42,120	T	D80, T01, S01, S02, T02	
U130	Hexachlorocyclopentadiene, 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	42,120	T	D80, T01, S01, S02, T02	
U131	Hexachloroethane, Ethane, hexachloro-	42,120	T	D80, T01, S01, S02, T02	
U132	Hexachlorophene, Phenol, 2,2'-methylenebis[3,4,6-trichloro-	42,120	T	D80, T01, S01, S02, T02	
U133	Hydrazine	42,120	T	D80, T01, S01, S02, T02	
U134	Hydrogen fluoride, Hydrofluoric acid	42,120	T	D80, T01, S01, S02, T02	
U135	Hydrogen sulfide H <sub>2</sub> S, Hydrogen sulfide	42,120	T	D80, T01, S01, S02, T02	
U136	Cacodylic acid, Arsinic acid, dimethyl-	42,120	T	D80, T01, S01, S02, T02	
U137	Indeno[1,2,3-cd]pyrene	42,120	T	D80, T01, S01, S02, T02	
U138	Methane, iodo-, Methyl iodide	42,120	T	D80, T01, S01, S02, T02	
U140	Isobutyl alcohol, 1-Propanol,	42,120	T	D80, T01, S01, S02, T02	
U141	Isosafrole, 1,3-Benzodioxole, 5-(1-propenyl)-	42,120	T	D80, T01, S01, S02, T02	
U142	Kepone, 1,3,4-Metheno-2H-cyclobuta [cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-U	42,120	T	D80, T01, S01, S02, T02	
U143	Lasiocarpine, 2-Butenoic acid, 2-methyl-, 7-[ [2,3-dihydroxy-...2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-...2,3,5,7 a-t etrahydro-1H-pyrrolizin-1-yl ester,...[1S-[1 $\alpha$ -pha(Z),7(2S*,3R*),7 $\alpha$ alpha]]-	42,120	T	D80, T01, S01, S02, T02	
U144	Lead acetate, Acetic acid, lead(2+) salt	42,120	T	D80, T01, S01, S02, T02	
U145	Lead phosphate, Phosphoric acid, lead(2+) salt (2:3)	42,120	T	D80, T01, S01, S02, T02	
U146	Lead, bis(acetato-O)tetrahydroxytri-, Lead subacetate	42,120	T	D80, T01, S01, S02, T02	
U147	Maleic anhydride, 2,5-Furandione	42,120	T	D80, T01, S01, S02, T02	
U148	Maleic hydrazide, 3,6-Pyridazinedione, 1,2-dihydro-	42,120	T	D80, T01, S01, S02, T02	
U149	Malononitrile, Propanedinitrile	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
U150	Melphalan, L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-	42,120	T	D80, T01, S01, S02, T02	
U151	Mercury	42,120	T	D80, T01, S01, S02, T02	
U152	Methacrylonitrile, 2-Propenenitrile, 2-methyl-	42,120	T	D80, T01, S01, S02, T02	
U153	Methanethiol, Thiomethanol	42,120	T	D80, T01, S01, S02, T02	
U154	Methyl alcohol, Methanol	42,120	T	D80, T01, S01, S02, T02	
U155	Methapyrilene, 1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-	42,120	T	D80, T01, S01, S02, T02	
U156	Methyl chlorocarbonate, Carbonochloridic acid, methyl ester	42,120	T	D80, T01, S01, S02, T02	
U157	3-Methylcholanthrene, Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	42,120	T	D80, T01, S01, S02, T02	
U158	4,4'-Methylenebis(2-chloroaniline), Benzenamine, 4,4'-methylenebis(2-chloro-	42,120	T	D80, T01, S01, S02, T02	
U159	Methyl ethyl ketone (MEK), 2-Butanone	42,120	T	D80, T01, S01, S02, T02	
U160	2-Butanone, peroxide, Methyl ethyl ketone peroxide	42,120	T	D80, T01, S01, S02, T02	
U161	4-Methyl-2-pentanone, Methyl isobutyl ketone, Pentanol, 4-methyl-	42,120	T	D80, T01, S01, S02, T02	
U161		42,120	T	D80, T01, S01, S02, T02	
U162	Methyl methacrylate, 2-Propenoic acid, 2-methyl-, methyl ester	42,120	T	D80, T01, S01, S02, T02	
U163	MNNG, Guanidine, N-methyl-N'-nitro-N-nitroso-	42,120	T	D80, T01, S01, S02, T02	
U164	Methylthiouracil, 4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	42,120	T	D80, T01, S01, S02, T02	
U165	Naphthalene	42,120	T	D80, T01, S01, S02, T02	
U166	1,4-Naphthalenedione, 1,4-Naphthoquinone	42,120	T	D80, T01, S01, S02, T02	
U167	1-Naphthalenamine, alpha-Naphthylamine	42,120	T	D80, T01, S01, S02, T02	
U168	beta-Naphthylamine, 2-Naphthalenamine	42,120	T	D80, T01, S01, S02, T02	
U169	Nitrobenzene, Benzene, nitro-	42,120	T	D80, T01, S01, S02, T02	

## XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
U170	p-Nitrophenol, Phenol, 4-nitro-	42,120	T	D80, T01, S01, S02, T02	
U171	Propane, 2-nitro-, 2-Nitropropane	42,120	T	D80, T01, S01, S02, T02	
U172	1-Butanamine, N-butyl-N-nitroso-, N-Nitrosodi-n-butylamine	42,120	T	D80, T01, S01, S02, T02	
U173	Ethanol, 2,2'-(nitrosoimino)bis-, N-Nitrosodiethanolamine	42,120	T	D80, T01, S01, S02, T02	
U174	Ethanamine, N-ethyl-N-nitroso-, N-Nitrosodiethylamine	42,120	T	D80, T01, S01, S02, T02	
U176	N-Nitroso-N-ethylurea, Urea, N-ethyl-N-nitroso-	42,120	T	D80, T01, S01, S02, T02	
U177	Urea, N-methyl-N-nitroso-, N-Nitroso-N-methylurea	42,120	T	D80, T01, S01, S02, T02	
U178	Carbamic acid, methylnitroso-, ethyl ester, N-Nitroso-N-methylurethane	42,120	T	D80, T01, S01, S02, T02	
U179	N-Nitrosopiperidine, Piperidine, 1-nitroso-	42,120	T	D80, T01, S01, S02, T02	
U180	N-Nitrosopyrrolidine, Pyrrolidine, 1-nitroso-	42,120	T	D80, T01, S01, S02, T02	
U181	Benzenamine, 2-methyl-5-nitro-, 5-Nitro-o-toluidine	42,120	T	D80, T01, S01, S02, T02	
U182	Paraldehyde, 1,3,5-Trioxane, 2,4,6-trimethyl-	42,120	T	D80, T01, S01, S02, T02	
U183	Benzene, pentachloro-, Pentachlorobenzene	42,120	T	D80, T01, S01, S02, T02	
U184	Ethane, pentachloro-, Pentachloroethane	42,120	T	D80, T01, S01, S02, T02	
U185	Benzene, pentachloronitro-, Pentachloronitrobenzene (PCNB)	42,120	T	D80, T01, S01, S02, T02	
U186	1-Methylbutadiene, 1,3-Pentadiene	42,120	T	D80, T01, S01, S02, T02	
U187	Acetamide, N-(4-ethoxyphenyl)-, Phenacetin	42,120	T	D80, T01, S01, S02, T02	
U188	Phenol	42,120	T	D80, T01, S01, S02, T02	
U189	Sulfur phosphide, Phosphorus sulfide	42,120	T	D80, T01, S01, S02, T02	
U190	1,3-Isobenzofurandione, Phthalic anhydride	42,120	T	D80, T01, S01, S02, T02	
U191	2-Picoline2-methyl-, Pyridine, 2-methyl-	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
U192	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-, Pronamide	42,120	T	D80, T01, S01, S02, T02	
U193	1,2-Oxathiolane, 2,2-dioxide, 1,3-Propane sultone	42,120	T	D80, T01, S01, S02, T02	
U194	n-Propylamine, 1-Propanamine	42,120	T	D80, T01, S01, S02, T02	
U196	Pyridine	42,120	T	D80, T01, S01, S02, T02	
U197	2,5-Cyclohexadiene-1,4-dione, p-Benzoquinone	42,120	T	D80, T01, S01, S02, T02	
U200	Reserpine, Yohimban-16-carboxylic acid, 11,17-dimethoxy-18- [(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester, (3beta-ta,16beta,17alpha,18beta,20alpha)-	42,120	T	D80, T01, S01, S02, T02	
U201	1,3-Benzenediol, Resorcinol	42,120	T	D80, T01, S01, S02, T02	
U202	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts, Saccharin, & salts	42,120	T	D80, T01, S01, S02, T02	
U203	1,3-Benzodioxole, 5-(2-propenyl)-, Safrole	42,120	T	D80, T01, S01, S02, T02	
U204	Selenium dioxide, Selenious acid	42,120	T	D80, T01, S01, S02, T02	
U205	Selenium sulfide, Selenium sulfide SeS <sub>2</sub>	42,120	T	D80, T01, S01, S02, T02	
U206	D-Glucose, 2-deoxy-2-[(methylnitrosoamino)-...carbonyl]amino]-, Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-, Streptozotocin	42,120	T	D80, T01, S01, S02, T02	
U207	Benzene, 1,2,4,5-tetrachloro-, 1,2,4,5-Tetrachlorobenzene	42,120	T	D80, T01, S01, S02, T02	
U208	Ethane, 1,1,1,2-tetrachloro-, 1,1,1,2-Tetrachloroethane	42,120	T	D80, T01, S01, S02, T02	
U209	Ethane, 1,1,2,2-tetrachloro-, 1,1,2,2-Tetrachloroethane	42,120	T	D80, T01, S01, S02, T02	
U210	Ethene, tetrachloro-, Tetrachloroethylene	42,120	T	D80, T01, S01, S02, T02	
U211	Carbon tetrachloride, Methane, tetrachloro-	42,120	T	D80, T01, S01, S02, T02	
U213	Furan, tetrahydro-, Tetrahydrofuran	42,120	T	D80, T01, S01, S02, T02	
U214	Acetic acid, thallium(1+) salt, Thallium(I) acetate	42,120	T	D80, T01, S01, S02, T02	
U215	Carbonic acid, dithallium(1+) salt, Thallium(I) carbonate	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

<b>EPA CODE</b>	<b>CHARACTERISTIC OR CONTAMINANT</b>	<b>ESTIMATED ANNUAL QUANTITY OF WASTE</b>	<b>UNIT OF MEASURE</b>	<b>PROCESS CODES</b>	<b>PROCESS DESCRIPTION</b>
U216	Thallium(I) chloride, Thallium chloride TlCl	42,120	T	D80, T01, S01, S02, T02	
U217	Nitric acid, thallium(1+) salt, Thallium(I) nitrate	42,120	T	D80, T01, S01, S02, T02	
U218	Ethanethioamide, Thioacetamide	42,120	T	D80, T01, S01, S02, T02	
U219	Thiourea	42,120	T	D80, T01, S01, S02, T02	
U220	Benzene, methyl-, Toluene	42,120	T	D80, T01, S01, S02, T02	
U221	Benzenediamine, ar-methyl-, Toluenediamine	42,120	T	D80, T01, S01, S02, T02	
U222	Benzenamine, 2-methyl-, hydrochloride, o-Toluidine hydrochloride	42,120	T	D80, T01, S01, S02, T02	
U223	Benzene, 1,3-diisocyanatomethyl-, Toluene diisocyanate	42,120	T	D80, T01, S01, S02, T02	
U225	Bromoform, Methane, tribromo-	42,120	T	D80, T01, S01, S02, T02	
U226	Ethane, 1,1,1-trichloro-, Methyl chloroform	42,120	T	D80, T01, S01, S02, T02	
U227	Ethane, 1,1,2-trichloro-, 1,1,2-Trichloroethane	42,120	T	D80, T01, S01, S02, T02	
U228	Ethene, trichloro-, Trichloroethylene	42,120	T	D80, T01, S01, S02, T02	
U234	Benzene, 1,3,5-trinitro-, 1,3,5-Trinitrobenzene	42,120	T	D80, T01, S01, S02, T02	
U235	Tris(2,3-dibromopropyl) phosphate, 1-Propanol, 2,3-dibromo-, phosphate (3:1)	42,120	T	D80, T01, S01, S02, T02	
U236	2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl [1,1'-biphenyl]-4,4'-diyl)bis(azo)bis [5-amino-4-hydroxy]-, tetrasodium salt, Trypan blue	42,120	T	D80, T01, S01, S02, T02	
U237	Uracil mustard, 2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	42,120	T	D80, T01, S01, S02, T02	
U238	Ethyl carbamate (urethane), Carbamic acid, ethyl ester	42,120	T	D80, T01, S01, S02, T02	
U239	Benzene, dimethyl-, Xylene	42,120	T	D80, T01, S01, S02, T02	
U240	2,4-D, salts & esters, Acetic acid, (2,4-dichlorophenoxy)-, salts & esters	42,120	T	D80, T01, S01, S02, T02	
U243	Hexachloropropene, 1-Propene, 1,1,2,3,3,3-hexachloro-	42,120	T	D80, T01, S01, S02, T02	

### XIV DESCRIPTION OF HAZARDOUS WASTES

EPA CODE	CHARACTERISTIC OR CONTAMINANT	ESTIMATED ANNUAL QUANTITY OF WASTE	UNIT OF MEASURE	PROCESS CODES	PROCESS DESCRIPTION
U244	Thioperoxydicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> S <sub>2</sub> , tetramethyl-, Thiram	42,120	T	D80, T01, S01, S02, T02	
U246	Cyanogen bromide (CN)Br	42,120	T	D80, T01, S01, S02, T02	
U247	Methoxychlor, Benzene, 1,1'-(2,2,2-trichloroethylidene)bis (4-methoxy-	42,120	T	D80, T01, S01, S02, T02	
U248	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations of 0.3% or less, Warfarin, & salts, when present at concentrations of 0.3% or less	42,120	T	D80, T01, S01, S02, T02	
U249	Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations of 10% or less	42,120	T	D80, T01, S01, S02, T02	
U328	Benzenamine, 2-methyl-, o-Toluidine	42,120	T	D80, T01, S01, S02, T02	
U353	Benzenamine, 4-methyl-, p-Toluidine	42,120	T	D80, T01, S01, S02, T02	
U359	Ethylene glycol monoethyl ether, Ethanol, 2-ethoxy-	42,120	T	D80, T01, S01, S02, T02	

**II.A.3.        Zoning**

The Permittee shall submit to the Secretary a copy of the appropriate zoning change for the Facility site approved by the appropriate Chaves County authorities as specified at Permit Attachment A, Section 1.3, *Location Information*, before initiation of operations at the Facility, in accordance with Permit Condition I.J.

**II.B.        PERMITTED AND PROHIBITED WASTE**

**II.B.1.        Permitted Waste**

The Permittee shall accept only the hazardous wastes identified at Permit Attachment B, *Permit Application, Part A*, as listed at Table II-1.

**II.B.2.        Prohibited Waste**

**II.B.2.a.      Prohibited waste streams**

As specified at Permit Attachment A, Section 2.5.1.1, *Nature and Quantity of Waste*, and Permit Attachment D, *Waste Analysis Plan*, Section 4.2.2, *Prohibited Waste*, the Permittee is prohibited from accepting, storing, treating, or disposing of the following wastes:

- radioactive/nuclear wastes;
- dioxin-contaminated wastes (F020, F021, F023, F026, and F027 wastes);
- medical wastes;
- municipal solid wastes, except small quantity generator waste;
- construction and demolition debris;
- explosive wastes;
- compressed gases;
- ignitable liquids;

liquid wastes containing polychlorinated biphenyls (PCBs) that are ignitable and/or with a concentration greater than or equal to 50 parts per million (ppm);

soils containing PCBs with a concentration greater than 500 ppm;

special wastes, except sludges; and

unknown or unidentified wastes.

**II.B.2.b. Other prohibited waste streams**

**II.B.2.b.i. PCB-contaminated soils**

The Permittee is prohibited from managing soils containing PCBs at a concentration equal to or greater than 500 ppm until a Permit from EPA for management of these Toxic Substances Control Act (TSCA) wastes is obtained, as specified at Permit Attachment D, Section 4.2.1, *Eligible Waste*. A copy of such Permit shall be transmitted to the Secretary.

**II.B.2.b.ii. Radioactive hazardous waste streams**

The Permittee is prohibited from managing naturally occurring radioactive material (NORM) or equipment from oil, gas, and water production containing hazardous constituents unless it is exempt from the requirements of the New Mexico Radioactive Materials and Radiation Machines Regulations, 20 NMAC 3.1, Subpart 14, i.e., the maximum radiation exposure reading at any accessible point does not exceed 50 microrentgens per hour ( $\mu\text{R/hr}$ ), and the maximum radiation reading for sludges and scales contained in oil, gas, and water production equipment does not exceed 50  $\mu\text{R/hr}$ , or, if the radiation readings for removable sludges and scales exceed 50  $\mu\text{R/hr}$ , the concentration of Radium 226, in a representative sample, does not exceed 30 picocuries per gram ( $\text{pCi/g}$ ).

**II.B.2.c. Wastes prohibited from specific units**

The Permittee is prohibited from managing specific wastes in specific units as required under Permit Conditions III.A.4., IV.A.4., V. ee., and VI. ff.  
[Permit Conditions to be inserted when identified.]

**ENCLOSURE 3**

New Mexico Environment Department  
Hazardous and Radioactive Materials Bureau

Letter: New Mexico State Fire Marshal's Office  
May 5, 2000

R. 31 E.

862,500

T. 11 S.

860,000

857,500

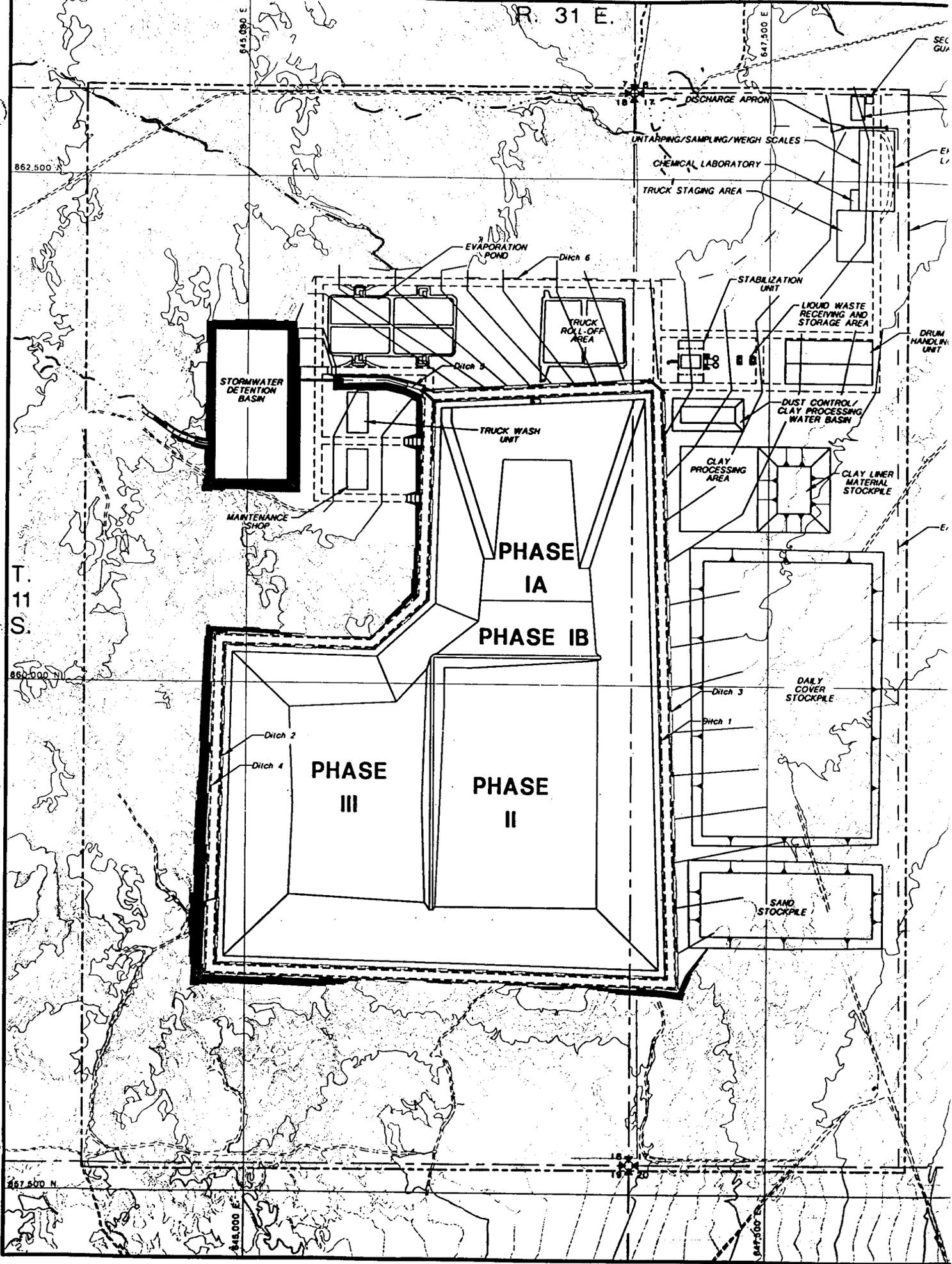
845,000 E

847,500 E

848,000 E

845,500 E

ARCAD FILE: 64602 DRAINAGE PROJECT NUMBER: 602-9200



**ENCLOSURE 4**

New Mexico Environment Department  
Hazardous and Radioactive Materials Bureau

Letter: New Mexico State Fire Marshal's Office  
May 5, 2000

**DIMENSION OF PROPOSED PERMITTED UNITS  
TRIASSIC PARK HAZARDOUS WASTE DISPOSAL FACILITY**

<u>Units</u>	<u>Dimensions</u>	<u>Maximum Allowable Capacity</u>
<b>Drum Handling Unit</b>		
7 cells	52 ft by 63 ft/ cell	160 55-gal drums or equivalent/cell Total: 1,120 55-gal drums or equivalent (61,000 gal)
<b>Roll-Off Container Unit</b>		
2 cells	220 ft by 160 ft/cell	44 20-yd <sup>3</sup> roll-off containers or roll-off container equivalent (880 yd <sup>3</sup> )/cell Total: 88 20-yd <sup>3</sup> roll-off containers or roll-off container equivalent (1,760 yd <sup>3</sup> )
<b>Liquid Waste Storage Tanks</b>		
4 tanks	10 ft by 16 ft (diameter)/tank	9,000 gal/tank Total: 36,000 gal
<b>Treatment Tanks</b>		
4 bins	25 ft by 10 ft by 10 ft/ stabilization bin	2,500 ft <sup>3</sup> /bin Total: 10,000 ft <sup>3</sup>
<b>Surface Impoundment</b>		
2 cells	78,600 feet (combined area)	Total: 5.2 million gal
<b>Landfill</b>		
Phase 1A	47 acres	553,200 yd <sup>3</sup>

**ENCLOSURE 5**

New Mexico Environment Department  
Hazardous and Radioactive Materials Bureau

Letter: New Mexico State Fire Marshal's Office  
May 5, 2000

### 5.3.3 Emergency Equipment

Emergency response equipment at the Facility includes fire extinguishers and other fire control equipment, spill cleanup kits, and decontamination kits. Each processing area regulated storage unit will be equipped with fire control and spill response equipment. Equipment in the stabilization unit will be used for the tank storage area and roll-off storage area because of their close proximity. A detailed description of this equipment, including the content and type, is included in Appendix M in Volume II and is discussed in the Contingency Plan contained in Section 6.0.

A complete list of the contents and location of the various types of kits will be maintained in the EC's office at the Facility.

### 5.3.4 Water for Fire Control

Permanent buildings at the Facility will be equipped with automatic sprinkler systems and fire extinguishers, as required by the National Fire Protection Association (NFPA) code. The sprinkler systems will be designed according to NFPA guidelines. Water to fight fires outside of buildings and the landfill will be available in water truck(s). It is expected that landfill fires, in the unlikely event that they occur, will be extinguished with a dirt cover. A ready supply of dirt will be available at the excavation stockpile and landfill and general facility equipment (dozers, loaders and scrapers) will be available to load, haul and place dirt.

### 5.3.5 Required Aisle Space

The aisle between double rows of containers in the drum handling unit will be 30 inches wide, and roll-off containers will be placed 4 feet apart and 4 feet from the edge of the berm. Such spacing will allow for the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment in the event of an emergency. Drums will only be staked one high.

### 5.3.6 Arrangements with Local Authorities

The Facility will make arrangements with local authorities as described in the Contingency Plan (see Section 6.0).

## 5.4 PREVENTIVE PROCEDURES, STRUCTURES, AND EQUIPMENT

To prevent accidents at the Facility, all individuals responsible for material and waste handling will receive classroom and on-the-job instruction in safety awareness, recognition of potential hazards in the work place, environmental procedures and policies, and fire prevention and control procedures. Individuals who may come in contact with hazardous waste will receive Occupational Safety and Health Administration (OSHA) 40-hour training. These individuals also will be trained in the operation of the equipment and vehicles they will be using to perform their duties.

Safety meetings will be conducted as necessary to discuss safety issues, fire prevention and control, good housekeeping and any problems relating to specific areas of the site.

### 5.4.1 Loading, Unloading, and Waste Transfer Operations

To prevent accidents during loading, unloading, and waste transfer, hazardous waste will be handled only by those individuals who have been properly trained in correct handling procedures and proper

---

*This submittal supersedes all previous information.*

The run-off management system will be capable of collecting the water volume resulting from at least a 24-hour, 25-year storm. Run-off in the active portion of the landfill will be collected in the LCRS. The run-on and run-off control system for the landfill is described in greater detail in Section 2.5.1.6.

The area surrounding the evaporation pond will be graded to carry stormwater run-off towards the drainage ditch to the south of the evaporation pond area. This ditch will ultimately empty into the site stormwater detention pond. The perimeter of the evaporation pond is elevated to prevent stormwater run-on into the pond from surrounding areas.

Inspection of the run-off and run-on ditches for the landfill and evaporation pond will be made during daily and weekly site inspections.

#### **5.4.3 Wind Dispersal Control System**

The active portion of the landfill will either be covered or managed to control the wind dispersal. In general, dust control will be accomplished by spraying water on the active portion of the landfill and any road or area subject to wind dispersal. Adding water to prevent wind erosion will be limited so that ponding in the landfill does not occur. Additional detail about wind dispersal procedures can be found in Section 2.5.1.7.

#### **5.4.4 Water Supply Protection**

The Facility will coordinate intended water use with the State Engineer's Office, Water Rights Division, and other appropriate agencies. The domestic water supply (via underground water line from a spring in the Ogallala formation located approximately one mile east of the Facility) will be protected by the following: (1) natural means because of its location; (2) the design of the landfill; (3) the type of waste that will be accepted at the Facility; and (4) the method of response to releases to soil. Each is discussed in more detail below.

Natural geologic and hydrologic conditions in the area include the following characteristics.

- the Upper Dockum unit is unsaturated beneath the selected site;
- the Lower Dockum consists of a 600-foot thickness of homogeneous, lacustrine mudstone. This sequence of unsaturated, low permeability mudstones represents a geologic barrier to potential downward migration of contaminants from the landfill (see Section 3.0); and,
- the nearest surface water is the Pecos River, approximately 30 miles to the west of the Facility.

The landfill design includes removal of the 10-foot deep layer of alluvial material on the surface of the disposal site prior to construction of the cells, thus eliminating the possibility of hazardous constituents entering the alluvium and migrating away from the Facility.

Free liquid hazardous waste will be placed in the landfill only in accordance with 40 CFR 264.314(d). In addition, no non-hazardous liquid waste will be placed in the landfill. These limitations on the introduction of liquids into the landfill will minimize the generation of leachates and the potential for the migration of any hazardous constituents from the Facility.

---

*This submittal supersedes all previous information.*

### 6.3.3 Assessment of Hazard

Concurrent with the waste identification and characterization phase of the emergency response, the EC will assess possible hazards to human health or the environment that may result from the emergency situation. Indirect and direct effects of the release, fire, or explosion will be considered during this assessment. Examples of direct and indirect effects include the impacts of any toxic, irritating, or asphyxiating gases that are generated or the effects of any hazardous surface water runoff from water or chemical agents used to control a fire.

During this phase of the emergency response, the EC will consider the following information to determine potential risk to human health or the environment:

- the location from which the material or waste is emanating;
- the weather patterns and wind direction at the time of the release; and,
- the characteristics of the released material, including physical, reactive, and human or animal toxicity.

The EC may choose to obtain emergency response guidance by contacting one or more of the emergency response organizations listed in Appendix J (Volume II) or by utilizing various spill control reference textbooks and MSDSs located in the EC's office.

### 6.3.4 Off Site Notification and Evacuation Criteria

If the EC determines that a release, fire, or explosion has occurred at the Facility that poses an immediate threat to onsite or off site human health and/or the environment, the findings will be reported to appropriate response personnel as follows:

- local authorities will be immediately notified if an emergency incident at the Facility could affect local areas and if evacuation of these areas is necessary. The EC will be available to assist appropriate officials in deciding whether local areas should be evacuated (evacuation plans are provided in Appendix L, Volume II); and,
- the local authorities will be notified with the following information:
  - ◇ the name and telephone number of the reporter;
  - ◇ the name and address of the Facility;
  - ◇ the time and type of incident that occurred;
  - ◇ the name and quantity of material(s) involved, to the extent that this is known;
  - ◇ the extent of injuries, if any; and,
  - ◇ the possible hazards to human health or the environment outside the Facility.

Coordinating agreements will be signed with federal, state, and local emergency response organizations. The agencies with which the Facility will enter these agreements are listed in

---

*This submittal supersedes all previous information.*

Appendix J presented in Volume II. The agreements outline the conditions under which the agencies will be contacted and the roles they will assume during various emergency scenarios at the Facility. The agreements establish the EC as the lead coordinator of all emergency response activities at the Facility. The details of these agreements will be located in the EC's office and with each of the participating organizations. The agreements will be considered controlled documents and will be kept current by updating all copies each time a change is made. This ensures a coordinated response to all emergency situations.

The EC may contact one or more of the agencies, such as police, fire departments, or hospitals, as listed in Appendix J (Volume II), if additional assistance is needed at the site to protect community populations.

### **6.3.5 Response and Control Procedures**

Following proper notification of agencies and/or evacuation of the Facility, the EC will initiate response and control procedures. This effort will involve the use of emergency equipment, which is listed in Appendix M in Volume II. This list also includes equipment descriptions and locations.

Potential incidents for which response and control procedures are necessary will be grouped into three broad categories: (1) fires and/or explosions; (2) spills, leaks, or other releases; and (3) power failures. A brief discussion of emergency training requirements and the general procedures for handling each of these situations are described in the following sections.

Facility personnel and supervisors will receive safety training to enable them to respond to and handle various emergency situations that are not of a serious nature. In addition to this training, employees will participate in emergency response drills on a periodic basis. These drills will involve both internal responses and those response actions taken in conjunction with external emergency response personnel. Key personnel will be familiar with the use of emergency equipment and fire control structures available to prevent the spread of fires in their areas. To prevent recurrence of an incident, any faulty or defective monitoring equipment, valves, pumps, alarms, or other equipment will be repaired. If repair is not possible, the equipment will be replaced. The unit will not receive hazardous waste until the minimum required equipment for safe operation is fully functional.

Procedures for ensuring that incompatible wastes are not treated, stored, or located in areas where a spill has occurred are addressed in Section 6.3.7.

#### **6.3.5.1 Fire and/or Explosion Control Procedure**

If a fire or explosion occurs at the Facility that may impact an active hazardous waste management unit or hazardous material storage area, the Contingency Plan will be immediately implemented, as outlined in Section 6.3. The EC will assess the situation and direct the emergency response effort. The EC will also be responsible for advising emergency response personnel of the hazards associated with released materials and other areas that should be protected from the effects of the incident.

In the event that a fire cannot be brought immediately under control and hazardous waste or material are located in the path of the fire or in an otherwise dangerous place, the waste or materials will be relocated to a safer area, if possible. If this is not possible, the material may be sprayed with an appropriate fire suppressant, at the direction of the EC or under the advisement of fire department personnel.

---

*This submittal supersedes all previous information*

If an explosion is likely to occur, for example because a fire threatens to envelop ignitable waste, the EC may choose to evacuate the area, as described in Appendix L presented in Volume II.

Facility employees will be trained and advised to stay in their work areas during emergency situations, unless they are in immediate danger, until they receive further direction via the PA system or other method of communication. If evacuation is necessary, the EC will communicate this via the PA system and by other means, as necessary, and all employees will assemble at the administration building. If anyone is unaccounted for, emergency response personnel will conduct searches.

After the effected areas have been evacuated, re-entry will be authorized by the EC only after the fire has been extinguished and when the emergency has been resolved.

Any equipment used during the incident will be checked for contamination and cleaned and/or replaced prior to resumption of plant operations in the affected area. Any solutions or materials used to decontaminate the equipment will be managed as RCRA-regulated waste.

#### **6.3.5.2 Spills, Leaks, or Other Releases Control Procedure**

All areas in which liquids are stored, managed, or potentially encountered (including tanks, containers, or secondary containment areas) will be inspected regularly for leaks, spills, deterioration, or damage in order to reduce the likelihood of an incident. However, on occasion, such incidents may still occur. This section describes the procedures for responding to spills, leaks, or other releases to containment areas or to the environment.

If Facility employees observe a spill, leak, or other release, whether during a formal inspection or during routine work, they will be instructed to contact the EC immediately and describe the situation in as much detail as possible, giving the following information, at a minimum:

- the location;
- material composition;
- approximate quantity; and,
- estimated extent of the release.

Based on this information (and additional investigation by the EC as necessary), the EC will determine whether to evacuate the area and/or implement the Contingency Plan.

As previously stated, if the EC is not available and if the situation is serious or life-threatening, employees will be instructed to dial 911 for emergency assistance. In a life threatening situation personnel may call 911 without first notifying the EC. The EC will then be notified of the employee's actions. Upon notification, the EC will conduct a visual inspection of the release and will then implement immediate containment measures.

#### **Releases Within Containment**

The EC will implement the following procedures for responding to leaks or spills from tank systems or containers into secondary containment areas that are not likely to reach the environment:

---

*This submittal supersedes all previous information*