# TRANSMITTAL SHEET FOR NOTICE OF INTENDED ACTION

Control Rule No.	3	35	Department o	r Agency <u>Environ</u>	mental Management
Rule Title:		····	33	5-14-204	
rectio reno.		<del></del>	Lists of H	lazardous Wastes	
	New	X	Amend	Repeal	Adopt by Reference
Would the a significantly welfare, or s	' harm or i	the proj endange	posed rule er the public healt	ih,	YES
Is there a re state's police public healt	e power ar	nd the p	ship between the rotection of the re?		YES
Is there ano regulation a the public?	ther, less : vailable th	restricti at could	ve method of I adequately prote	ect	NO
indirectly in	creasing tl	he costs	he effect of directl of any goods or what degree?	ly or 	NO
Is the increa public than absence of th	the harm i	that mig	more harmful to t tht result from the	the e	NO
solely for the	purpose (	of, and s	g process designes so they have, as the of the public?	d heir	YES
******	*****	*****	******	~**************	*******
Does the pro	posed rule	have a	n economic impac	et?	NO
If the propose accompanied 41-22-23, <u>Cc</u>	by a note	դ ուսան ի	repared in accord	e proposed rule is r lance with subsection	equired to be on (f) of section
**************************************	********* of Authori	******* zed Offic	**************************************	*********************************** <b>*</b>	**********
1	filing requ	uiremen	116 4 L CODE OF AR	n proposed in full c abama 1975, and th trative Procedure Di	_
Signature of o	certifying o	officer _	Mouly	Elhott	
Date <u>10/21</u>	/2015	· · · · · · · · · · · · · · · · · · ·	,		Stamp bere
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## DEPARTMENT OF ENVIRONMENTAL MANAGEMENT LAND DIVISION

### NOTICE OF INTENDED ACTION

AGENCY NAME:	DEPARTMEN	T OF ENVIRONMENTAL MANAGEMENT
RULE NO. & TITLE:	335-14-102 335-14-103	<u>Definitions and References</u> (Amend) <u>Petitions for Equivalent Testing or Analytical</u>
		Methods (Amend)
	335-14-201	General (Amend)
	335-14-204	Lists of Hazardous Waste (Amend)
	335-14-205	Exclusions/Exemptions (Amend)
	335-14-207	(Reserved)
	335-14-208	Financial Requirements for Management of
		Excluded Hazardous Secondary Materials (Add)
	335-14-2-,09	Use and Management of Containers (Add)
	335-14-210	Tank Systems (Add)
	335-14-211	(Reserved)
	335-14-212	(Reserved)
	335-14-213	Emergency Preparedness and Response for
		Management of Excluded Hazardous Secondary
		Materials (Add)
	335-14-214	(Reserved)
	335-14-215	(Reserved)
	335-14-216	(Reserved)
·	335-14-217	(Reserved)
	335-14-218	(Reserved)
	335-14-219	(Reserved)
	335-14-220	(Reserved)
	335-14-221	(Reserved)
	335-14-222	(Reserved)
	335-14-223	(Reserved)
	335-14-224	(Reserved)
	335-14-225	(Reserved)
	335-14-226	(Reserved)
	335-14-227	Subpart AA – Air Emission Standards for Process Vents (Add)
	335-14-228	Subpart BB - Air Emission Standards for Equipment Leaks (Add)
	335-14-229	Subpart CC - Air Emission Standards for Tanks, Surface Impoundments, and Containers (Add)
	335-14-2	muj
	Appendix IX	Wasten Fredrik - 4 II. 1 Com
	335-14-303	Wastes Excluded Under 335-14-103(2) (Add)
	335-14-305	Pre-Transport Requirements (Amend) Exports of Hagarday W. (Amend)
	110.00	Exports of Hazardous Waste (Amend)

335-14-308	Special Requirements for Generators of Waste
	Destined For Disposal at Commercial Hazardous
	Waste Disposal Facilities Located in the State of
	Alabama (Amend)
335-14-507	Closure and Post-Closure (Amend)
335-14-515	Incinerators (Amend)

INTENDED ACTION:

Revise Division 14 of the ADEM Administrative Code.

<u>SUBSTANCE OR PROPOSED ACTION:</u> Revise portions of Division 14 Regulations to incorporate changes to ensure consistency with State and Federal Statutes; to adopt certain State specific requirements; and to provide clarification of State requirements for the management of hazardous waste.

#### TIME, PLACE, MANNER OF PRESENTING VIEWS:

Comments may be submitted in writing or orally at a public hearing to be held December 16, 2015 at 10:00 a.m in the Main Hearing Room at the ADEM Central Office located at 1400 Coliseum Boulevard, Montgomery, Alabama 36110.

FINAL DATE FOR COMMENT AND COMPLETION OF NOTICE: December 16, 2015

CONTACT PERSON AT AGENCY: Vernon H. Crockett, Chief of the Industrial Hazardous Waste Branch, ADEM Land Division (334/270-5627)

May Mist

Director

#### 335-14-2-.04 <u>Lists of Hazardous Wastes.</u>

- (1) <u>General</u>.
- (a) A solid waste is a hazardous waste if it is listed in 335-14-2-.04, unless it has been excluded from this list under 335-14-1-.03(2).
- (b) The Department will indicate its basis for listing the classes or types of wastes listed in 335-14-2-.04 by employing one or more of the following Hazard Codes:

Ignitable Waste	(1)
Corrosive Waste	(L) (C)
Reactive Waste	(C) (R)
Toxicity Characteristic Waste	(E)
Acute Hazardous Waste	(H)
Toxic Waste (T)	(11)

335-14-2-Appendix VII identifies the constituent which caused the Department to list the waste as a Toxicity Characteristic Waste (E) or Toxic Waste (T) in 335-14-2-.04(2) and (3).

- (c) Each hazardous waste listed in 335-14-2-.04 is assigned an EPA or Alabama Hazardous Waste Number which precedes the name of the waste. This number must be used in complying with the notification requirements of Section 3010 of the RCRA and certain recordkeeping and reporting requirements under 335-14-3 through 335-14-6, 335-14-8, and 335-14-9.
- (d) The following hazardous wastes listed in 335-14-2-.04(2) are subject to the exclusion limits for acutely hazardous wastes established in 335-14-2-.01(5): EPA Hazardous Wastes Nos. F020, F021, F022, F023, F026, and F027.
  - (2) Hazardous wastes from non-specific sources.
- (a) The following solid wastes are listed hazardous waste from non-specific sources unless they are excluded under §260.20 of 40 CFR and ADEM Admin. Code Rule 335-14-1-.03(2) and listed in 335-14-2 Appendix IX.

Hazardous Waste Number	Hazardous Waste	Hazard
Generic:		Code
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	(T)

Hazardous Waste Number	Hazardous Waste	Hazard
F002	solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.  The following spent halogenated solvents: tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and	Code (T)
F003	1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. The following spent non-halogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent	(I)*
F004	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. 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.	<b>(T)</b>
F005	spent solvents and spent solvent mixtures.  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 mixtures.	(I,T)
₹006	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.  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) closping (attriction)	(T)
007	associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum. Spent cyanide plating bath solutions from electroplating operations.	(R,T)

Hazardous Waste	Hazaro
Plating bath residues from the bottom of plating baths from electroplating operations where evanides are used in the	Code (R,T)
process.	
Spent stripping and cleaning bath solutions from electroplating	(R,T)
operations where cyanides are used in the process	(14, 1)
Quenching bath residues from oil baths from metal beat	(R,T)
treating operations where cyanides are used in the process	(,-)
spent cyanide solutions from salt bath pot cleaning from metal	(R,T)
near treating operations.	`
treating apprehimment sludges from metal heat	(T)
Wastewater treatment alval	
coating of aluminum expect from the chemical conversion	(T)
aluminum-can washing when such all minum-can washing washing when such all minum-can washing w	
conversion coating process. Wastewater treatment is an exclusive	
from the manufacturing of motor vehicles using a -i-	
phosphating process will not be subject to this listing at the	
point of generation if the wastes are not placed outside on the	
rand prior to snipment to a landfill for disposal and are either.	
disposed in a Subtitle D municipal or industrial landfill unit	
ulat is equipped with a single clay liner and is permitted	
incensed or otherwise authorized by the state; or disposed in a	
landing unit subject to, or otherwise meeting the landfill	
requirements in CFR § 258.40 and ADEM Administrative Code	
Rule 333-14-3-, 14(2) or 335-14-6-, 14(2). For the purposes of	
uns using, motor vehicle manufacturing as defined in	
335-14-102 and 335-14-204(2)(b)4.(i) describes the	
facilities	
•	
chloride purification) from the greatest	(H)
use (as a reactant, chemical information)	
formulating process) of tri- or tetrachloranhamal	
intermediates used to produce their posticide desired and	
listing does not include wastes from the production of	
Hexachlorophene from highly purified 2.4.5-trichlorophenel	
wastes (except wastewater and spent carbon from hydrogen	/T T\
chloride purification from the production or manufacturing	(H)
use las a reactant, chemical intermediate, or component in a	
formulating process) of pentachlorophenol, or of intermediates	
used to produce its derivatives.	
Wastes (except wastewater and spent carbon from hydrogen	(H)
cinoride purification) from the manufacturing use los o	(* 1)
reactant, chemical intermediate, or component in a formulating	
process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.	
	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.  Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.  Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process. Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.  Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process. 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. Wastewater treatment sludges from the manufacturing of motor vehicles using a zinc phosphating process will not be subject to this listing at the point of generation if the wastes are not placed outside on the land prior to shipment to a landfill for disposal and are either: disposed in a Subtitle D municipal or industrial landfill unit that is equipped with a single clay liner and is permitted, licensed or otherwise authorized by the state; or disposed in a landfill unit subject to, or otherwise meeting, the landfill requirements in CFR § 258.40 and ADEM Administrative Code Rule 335-14-5-14(2) or 335-14-6-14(2). For the purposes of this listing, motor vehicle manufacturing as defined in 335-14-1-02 and 335-14-2-04(2)(b)4.(i) describes the recordkeeping requirements for motor vehicle manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives.  Wastes (except wastewater and spent carbon from hydrogen chlor

Hazardous Waste Number	Hazardous Waste	Hazaro Code
F023	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and	(H)
F024	tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of Hexachlorophene from highly purified 2,4,5-trichlorophenol.)  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 335-14-204(2) or 335-14-204(3).)	(T)
F025	Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	(T)
F026	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.	(H)
F027	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing Hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.)	(H)
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027.	(T)
F032	Wastewaters (except those that have not some interesting the second	(T)

Hazardous Waste Number	Hazardous Waste	Hazaro
	potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e., F034 or F035), 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 pentaghlorophenol	Code
F034	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 use cresote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving	. (T)
F035	processes that use creosote and/or pentachlorophenol. 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 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.	(T)
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 oil cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in oil/water/solid separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. 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 generated in aggressive biological treatment units as defined in 335-14-204(2)(b)2. (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and KO51 wastes are not included in this listing. This listing does include residuals generated from processing or recycling oil-bearing hazardous secondary materials excluded under 335-14-201(4)(a)12.(i), if those residuals are to be disposed of.	(T)
038	residuals are to be disposed of.  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	(T)

Hazardous Waste Number	Hazardous Waste		
	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 dissolved air flotation (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 335-14-204(2)(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.	Code	
F039	Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under 335-14-204. (Leachate resulting from the disposal of one or more of the following EPA hazardous wastes and no other hazardous wastes retains its hazardous waste number(s): F020, F021, F022, F026, F027, and/or F028.)	(T)	

\* (I,T) should be used to specify mixtures that are ignitable and contain toxic constituents.

#### (b) Listing Specific Definitions:

- 1. For the purposes of the F037 and F038 listings, oil/water/solids is defined as oil and/or water and or/solids.
- 2.(i) For the purposes of the F037 and F038 listings, aggressive biological treatment units are defined as units which employ one of the following four treatment methods: activated sludge; trickling filter; rotating biological contactor for the continuous accelerated biological oxidation of wastewaters; or high-rate aeration. High-rate aeration is a system of surface impoundments or tanks in which intense mechanical aeration is used to completely mix the wastes and enhance biological activity, and
- (I) The unit employs a minimum of 6 hp per million gallons of treatment volume; and either
- (II) The hydraulic retention time of the unit is no longer than 5 days; or
- (III) The hydraulic retention time is no longer than 30 days and the unit does not generate a sludge that is a hazardous waste by the Toxicity Characteristic;

- (ii) Generators and treatment, storage and disposal facilities have the burden of proving that their sludges are exempt from listings as F037 and F038 wastes under this definition. Generators and treatment, storage and disposal facilities must maintain, in their operating or other on-site records, documents and data sufficient to prove that:
- (I) The unit is an aggressive biological treatment unit as defined in 335-14-2-.04(2)(b); and
- (II) The sludges sought to be exempted from the definitions of F037 and/or F038 were actually generated in the aggressive biological treatment unit.
- 3.(i) For the purposes of the F037 listing, sludges are considered to be generated at the moment of deposition in the unit, where deposition is defined as at least a temporary cessation of lateral particle movement.
  - (ii) For the purposes of the F038 listing,
- (I) Sludges are considered to be generated at the moment of deposition in the unit, where deposition is defined as at least a temporary cessation of lateral particle movement, and
- (II) Floats are considered to be generated at the moment they are formed in the top of the unit.
- 4. For the purposes of the F019 listing, the following apply to wastewater treatment sludges from the manufacturing of motor vehicles using a zinc phosphating process.
- (i) Generators must maintain in their on-site records documentation and information sufficient to prove that the wastewater treatment sludges to be exempted from the F019 listing meet the conditions of the listing. These records must include: the volume of waste generated and disposed of off site; documentation showing when the waste volumes were generated and sent off site; the name and address of the receiving facility, and documentation confirming receipt of the waste by the receiving facility. Generators must maintain these documents on site for no less than three years. The retention period for the documentation is automatically extended during the course of any enforcement action or as requested by the Regional Administrator or ADEM.
  - (3) <u>Hazardous wastes from specific sources</u>.
- (a) The following solid wastes are listed hazardous wastes from specific sources unless they are excluded under §260.20 of 40 CFR and ADEM Admin. Code Rule 335-14-1-.03(2) and listed in 335-14-2-Appendix IX.

Hazardous Waste Number	Hazardous Waste	Hazaro
Wood pres	ervation:	Code
K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or penta-chlorophenol.	(T)
Inorganic p	pigments:	
K002	Wastewater treatment sludge from the production of chrome	/mai
К003	Wastewater treatment sludge from the production of	(T) (T)
K004	molybdate orange pigments.  Wastewater treatment sludge from the production of zinc yellow pigments.	(T)
K005	Wastewater treatment sludge from the production of chrome green pigments.	(T)
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated)	(T)
K007	Wastewater treatment sludge from the production of iron blue pigments.	(T)
K008	Oven residue from the production of chrome oxide green pigments.	(T)
Organic che		
K009	Distillation bottoms from the production of acetaldehyde from ethylene.	(T)
K010	Distillation side cuts from the production of acetaldehyde from ethylene.	(T)
K011	or acrylomerile.	(R,T)
K013	acryfominie,	(R,T)
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile.	(T)
K015 K016	LICELY CHES OF CISTILIATION Model and form of the second	(T) (T)
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.	(T)
X018	Heavy ends from the fractionation column in ethyl chloride production.	(T)
K019	ethylene dichloride production.	(T)
Κ020 *031	Heavy ends from the distillation of vinyl chloride in vinyl (	T)
< 021	Aqueous spent antimony catalyst waste from fluoromethanes (production.	Т)
<b>Κ</b> 022	nom cumene.	T)
K023	Distillation light ends from the production of phthalic (	Т)

Hazardous Waste Number	Hazardous Waste	Hazard Code
	anhydride from naphthalene.	
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene.	(T)
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.	(T)
K026	Stripping still tails from the production of methyl ethyl pyridines.	(T)
K027	Centrifuge and distillation residues from toluene diisocyanate production.	(R,T)
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.	(T)
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.	(T)
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.	(T)
K083	Distillation bottoms from aniline production.	(T)
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes.	(T)
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene.	(T)
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene.	(T)
K095	Distillation bottoms form	(T)
K096	Heavy ends from the hours and	(T)
K103	Process residues from aniling automation for	(T)
X104	Combined wastewater atmosphi	(T)
X105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.	(T)
K107	Column bottoms from made at a constant	(C,T)
₹108	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1-1-dimethylhydrazine (UDMH) from carboxylic acid	(I,T)
<b>Κ109</b>	hydrazides.  Spent filter cartridges from product purification from the production of 1,1-dimethyl-hydrazine (UDMH) from carboxylic acid hydrazides.	(T)
(110	Condensed column overhoods from '	(T)
X111	Product washwaters from the production of dinitrotoluene via	(C) (T)

Hazardous Waste Number	Hazardous Waste	Hazard Code
	nitration of toluene.	Code
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K113	Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K114	Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K115	Heavy ends from the purification of tall	(T)
K116	Organic condensate from the solvent	(T)
K117	Wastewater from the reactor vent gas scrubber in the	(T)
K118	production of ethylene dibromide via bromination of ethene. Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	(T)
X136	Still bottoms from the purification of ethylene dibromide in the	(T)
X149	chlorides, and compounds with mixtures of these functional groups, (This waste does not include still bottoms from the	(T)
K150	Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional	(T)
X151	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	Т)
156	organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.).	r)
157	Wastewaters (including scrubber waters, condenser waters, (	

Hazardous Waste Number	Hazardous Waste	Hazard Code
K158	washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.).	Coue
M100	Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.).	(T)
K159	Organics from the treatment of thiocarbamate wastes.	
K161	centrifugation solids (including filtration, evaporation, and centrifugation solids), bag house dust and floor sweepings from the production of dithiocarbamate acids and their salts.	(T) (R,T)
K174	(This listing does not include K125 or K126. Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (including sludges that result from commingled ethylene dichloride or vinyl chloride monomer wastewater and other wastewater), unless the sludges meet the following conditions: (i) they are disposed of in a subtitle C or nonhazardous landfill licensed or permitted by the State of Alabama or federal government; (ii) they are not otherwise placed on the land prior to final disposal; and (iii) the generator maintains documentation demonstrating that the waste was either disposed of in an on-site landfill or consigned to a transporter or disposal facility that provided a written commitment to dispose of the waste in an off-site landfill. Respondents in any action brought to enforce the requirements of Subtitle C must, upon a showing by the government that the respondent managed wastewater treatment sludges from the production of vinyl chloride monomer or ethylene dichloride, demonstrate that they meet the terms of the exclusion set forth above. In doing so, they must provide appropriate documentation (e.g., contracts between the generator and the landfill owner/operator, invoices documenting delivery of waste to landfill, etc.) that the terms of the exclusion were met.	(T)
<b>Κ175</b>	Wastewater treatment sludges from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process.	(T)
norganic che		
(071	used.	(T)
(073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.	T)
1106	Wastewater treatment sludge from the manual in	Т)

Hazardous Waste Number	Hazardous Waste	Hazard Code
TT 1 DC	chlorine production.	<u> </u>
K176	Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g., antimony metal or crude antimony oxide).	(E)
K177	Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates (e.g., antimony metal or crude antimony oxide).	(T)
K178	Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilemite process.	(T)
K181	Nonwastewaters from the production of dyes and/or pigments (including nonwastewaters commingled at the point of generation with nonwastewaters from other processes) that, at the point of generation, contain mass loadings of any of the constituents identified in 335-14-204(3)(c) of this section that are equal to or greater than the corresponding 335-14-204(3)(c) levels, as determined on a calendar year basis. These wastes will not be hazardous if the nonwastewaters are: (i) disposed in a Subtitle D landfill unit subject to the design criteria in 335-13-411, (ii) disposed in a Subtitle C landfill unit subject to either 335-14-514(2) or 335-14-614(2), (iii) disposed in other Subtitle D landfill units that meet the design criteria in 335-13-411, 335-14-514(2), or 335-14-614(2), or (iv) treated in a combustion unit that is permitted under Subtitle C, or an on-site combustion unit that is permitted under the Clean Air Act. For the purposes of this listing, dyes and/or pigments production is defined in 335-14-203(3)(b). 335-14-203(3)(d) describes the process for demonstrating that a facility's nonwastewaters are not K181. This listing does not apply to wastes that are otherwise identified as hazardous waste under 335-14-203(2) through 335-14-203(5) and 335-14-204(2) through 335-14-204(4) at the point of generation. Also, the listing does not apply to wastes generated before any annual mass loading limit is met.	<b>(T)</b>
Pesticides:	A THE ID HILL.	
K031	cacodylic acid.	(T)
K032	Wastewater treatment sludge from the production of chlordane.	(T)
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.	. ,
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.	
K035	Wastewater treatment sludges generated in the production of creosote.	[T)

Hazardous Waste Number	Hazardous Waste	Hazard Code
K036	Still bottoms from toluene reclamation distillation in the	
	production of disultation.	` '
К037	Wastewater treatment sludges from the production of disulfoton.	(T)
K038	Wastewater from the washing and stripping of phorate production.	(T)
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.	(T)
K040	Wastewater treatment sludge from the production of phorate.	41-41
K041	Wastewater treatment sludge from the production of toxaphene.	(T) (T)
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.	(T)
K043	2,6-Dichlorophenol waste from the production of 2,4-D.	
K097	Vacuum stripper discharge from the chlordane chlorinator in	(T)
	the production of chlordane.	(T)
K098	Untreated process wastewater from the production of toxaphene.	(T)
K099	Untreated wastewater from the production of 2,4-D.	(FO)
K123	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.	(T) (T)
K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.	(C,T)
K125	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.	(T)
K126	Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.	(T)
K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.	(C,T)
K132	Spent absorbent and wastewater separator solids from the production of methyl bromide.	(T)
Explosives:		
K044	Wastewater treatment sludges from the manufacturing and processing of explosives.	(R)
K045	Spent carbon from the treatment of	(R)
K046	Wastewater treatment sludges from the manufacturing	(T)
K047	formulation, and loading of lead-based initiating compounds.  Pink/red water from TNT operations.	
Petroleum ref	ining:	(R)
3048		
Κ049	maustry,	(T)
X049 X050	Slop oil emulsion solids from the petroleum refining industry.	(T)
2000	Deal exchanger blindly cleaning also less to 1	(T)

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Hazardous Waste Number	Hazardous Waste	Hazard Code
	refining industry.	
K051	API separator sludge from the petroleum refining industry.	(T)
K052	Tank bottoms (leaded) from the petroleum refining industry.	(T)
K169	Crude oil storage tank sediment from petroleum refining	(T)
	operations	(1)
K170	Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations	(T)
K171	Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert	(I,T)
	support media).	
K172	Spent hydrorefining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media).	(I,T)
Iron and Ste		
K061	Emission control dust/sludge from the primary production of	(FT\)
	steel in electric furnaces.	(1)
K062	Spent pickle liquor generated by steel finishing operations of	(C) (T)
-1001	facilities within the iron and steel industry (SIC Codes 331 and	(C,T)
	332).	
Primary alur	**************************************	
K088		······································
	Spent potliners from primary aluminum reduction.	(T)
Secondary le		-
K069	Emission control dust/sludge from secondary lead smelting.	(T)
	<b>NOTE:</b> This listing does not include sludge generated from	. ,
	secondary acid scrubber systems provided the primary air	
	pollution control system is properly operated and maintained.	
	Exempt sludge must be evaluated to determine if it exhibits a	
	characteristic of a hazardous waste.	
K100	Waste leaching solution from acid leaching of emission control	(T)
	dust/sludge from secondary lead smelting.	(~)
Veterinary pl	harmaceuticals:	
K084	Wastewater treatment sludges generated during the	(°T')
	production of veterinary pharmaceuticals from arsenic or	(T)
	organo-arsenic compounds.	
K101	Distillation tar residues from the distillation of aniline-based	(171)
	compounds in the production of votoring and anime-based	(T)
	compounds in the production of veterinary pharmaceuticals	
K102	from arsenic or organo-arsenic compounds.	
N I U Z	Residue from the use of activated carbon for decolorization in	(T)
	the production of veterinary pharmaceuticals from arsenic or	
. 1	organo-arsenic compounds.	
nk formulat		
K086	Solvent washes and sludges, caustic washes and sludges, or	

Hazardous Waste Number	Hazardous Waste	Hazard Code
	and stabilizers containing chromium and lead.	Code
Coking:	Description of the second of t	
K060	Ammonia still lime sludge from coking operations.	//T <sup>(1)</sup>
K087	Decanter tank tar sludge from coking operations.	(T)
K141	Process residues from the recovery of coal tar, including, but	(T)
V140	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).	(T)
K142	Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.	(T)
K143	Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.	(T)
K144	Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal	(T)
K145	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.	(T)
K147	lar storage tank residues from coal tar refining	/T*\
K148	Residues from coal tar distillation, including but not limited to, still bottoms.	(T) (T)

#### (b) Listing Specific Definitions:

1. For the purposes of the K181 listing, dyes and/or pigments production is defined to include manufacture of the following product classes: dyes, pigments, or FDA certified colors that are classified as azo, triarylmethane, perylene or anthraquinone classes. Azo products include azo, monoazo, diazo, triazo, polyazo, azoic, benzidine, and pyrazolone products. Triarylmethane products include both triarylmethane and triphenylmethane products. Wastes that are not generated at a dyes and/or pigments manufacturing site, such as wastes from the offsite use, formulation, and packaging of dyes and/or pigments, are not included in the K181 listing.

#### (c) K181 Listing Levels.

1. Nonwastewaters containing constituents in amounts equal to or exceeding the following levels during any calendar year are subject to the K181 listing, unless the conditions in the K181 listing are met.

Constituent	Chemical abstracts No.	Mass levels (kg/yr)
Aniline	62-53-3	9,300

Constituent	Chemical abstracts No.	Mass levels (kg/yr)
o-Anisidine	90-04-0	110
4-Chloroaniline	106-47-8	4,800
p-Cresidine	120-71-8	660
2,4-Dimethylaniline	95-68-1	100
1,2-Phenylenediamine	95-54-5	710
1,3-Phenylenediamine	108-45-2	1,200

- (d) Procedures for demonstrating that dyes and/or pigment nonwastewaters are not K181. The procedures described in sections 335-14-2-.04(3)(d)1-3 and 5 establish when nonwastewaters from the production of dyes/pigments would not be hazardous (these procedures apply to wastes that are not disposed in landfill units or treated in combustion units as specified in 335-14-2-.04(3)(a). If the nonwastewaters are disposed in landfill units or treated in combustion units as described in 335-14-2-.04(3)(a), then the nonwastewaters are not hazardous. In order to demonstrate that it is meeting the landfill disposal or combustion conditions contained in the K181 listing description, the generator must maintain documentation as described in 335-14-2-.04(3)(d)4.
- 1. <u>Determination based on no K181 constituents</u>. Generators that have knowledge (e.g., knowledge of constituents in wastes based on prior sampling and analysis data and/or information about raw materials used, production processes used, and reaction and degradation products formed) that their wastes contain none of the K181 constituents (see 335-14-2-.04(3)(c) of this section) can use their knowledge to determine that their waste is not K181. The generator must document the basis for all such determinations on an annual basis and keep each annual documentation for three years.
- 2. Determination for generated quantities of 1,000 MT/yr or less for wastes that contain K181 constituents. If the total annual quantity of dyes and/or pigment nonwastewaters generated is 1,000 metric tons or less, the generator can use knowledge of the wastes (e.g., knowledge of constituents in wastes based on prior analytical data and/or information about raw materials used, production processes used, and reaction and degradation products formed) to conclude that annual mass loadings for the K181 constituents are below the 335-14-2-.04(3)(c) listing levels. To make this determination, the generator must:
- (i) Each year document the basis for determining that the annual quantity of nonwastewaters expected to be generated will be less than 1,000 metric tons.
- (ii) Track the actual quantity of nonwastewaters generated from January 1 through December 31 of each year. If, at any time within the year, the actual waste quantity exceeds 1,000 metric tons, the generator must comply with the requirements of 335-14-2-.04(3)(d)3 for the remainder of the year.
- (iii) Keep a running total of the K181 constituent mass loadings over the course of the calendar year.

- (iv) Keep the following records on site for the three most recent calendar years in which the hazardous waste determinations are made:
  - (I) The quantity of dyes and/or pigment nonwastewaters generated.
  - (II) The relevant process information used.
- (III) The calculations performed to determine annual total mass loadings for each K181 constituent in the nonwastewaters during the year.
- 3. <u>Determination for generated quantities greater than 1,000 MT/yr for wastes that contain K181 constituents</u>. If the total annual quantity of dyes and/or pigment nonwastewaters generated is greater than 1,000 metric tons, the generator must perform all of the steps described in 335-14-2-.04(3)(d)3(i)-3(xi) in order to make a determination that its waste is not K181.
- (i) Determine which K181 constituents (see 335-14-2-.04(3)(c)) are reasonably expected to be present in the wastes based on knowledge of the wastes (e.g., based on prior sampling and analysis data and/or information about raw materials used, production processes used, and reaction and degradation products formed).
- (ii) If 1,2-phenylenediamine is present in the wastes, the generator can use either knowledge or sampling and analysis procedures to determine the level of this constituent in the wastes. For determinations based on use of knowledge, the generator must comply with the procedures for using knowledge described in 335-14-2-.04(3)(d)2 and keep the records described in 335-14-2-.04(3)(d)2(iv). For determinations based on sampling and analysis, the generator must comply with the sampling and analysis and recordkeeping requirements described below.
- (iii) Develop a waste sampling and analysis plan (or modify an existing plan) to collect and analyze representative waste samples for the K181 constituents reasonably expected to be present in the wastes. At a minimum, the plan must include:
- (I) A discussion of the number of samples needed to characterize the wastes fully;
- (II) The planned sample collection method to obtain representative waste samples;
- (III) A discussion of how the sampling plan accounts for potential temporal and spatial variability of the wastes.
- (IV) A detailed description of the test methods to be used, including sample preparation, clean up (if necessary), and determinative methods.
- (iv) Collect and analyze samples in accordance with the waste sampling and analysis plan.

- (l) The sampling and analysis must be unbiased, precise, and representative of the wastes.
- (II) The analytical measurements must be sufficiently sensitive, accurate and precise to support any claim that the constituent mass loadings are below the listing levels of 335-14-2-.04(3)(c).
  - (v) Record the analytical results.
- (vi) Record the waste quantity represented by the sampling and analysis results.
- (vii) Calculate constituent-specific mass loadings (product of concentrations and waste quantity).
- (viii) Keep a running total of the K181 constituent mass loadings over the course of the calendar year.
- (ix) Determine whether the mass of any of the K181 constituents listed in 335-14-2-.04(3)(c) generated between January 1 and December 31 of any year is below the K181 listing levels.
- (x) Keep the following records on site for the three most recent calendar years in which the hazardous waste determinations are made:
  - (I) The sampling and analysis plan.
  - (II) The sampling and analysis results (including QA/QC data).
  - (III) The quantity of dyes and/or pigment nonwastewaters generated.
  - (IV) The calculations performed to determine annual mass loadings.
- (xi) Nonhazardous waste determinations must be conducted annually to verify that the wastes remain nonhazardous.
- (I) The annual testing requirements are suspended after three consecutive successful annual demonstrations that the wastes are nonhazardous. The generator can then use knowledge of the wastes to support subsequent annual determinations.
- (II) The annual testing requirements are reinstated if the manufacturing or waste treatment processes generating the wastes are significantly altered, resulting in an increase of the potential for the wastes to exceed the listing levels.
- (III) If the annual testing requirements are suspended, the generator must keep records of the process knowledge information used to support a nonhazardous determination. If testing is reinstated, a description of the process change must be retained.

- 4. Recordkeeping for the landfill disposal and combustion exemptions. For the purposes of meeting the landfill disposal and combustion condition set out in the K181 listing description, the generator must maintain on site for three years documentation demonstrating that each shipment of waste was received by a landfill unit that is subject to or meets the landfill design standards set out in the listing description, or was treated in combustion units as specified in the listing description.
- 5. Waste holding and handling. During the interim period, from the point of generation to completion of the hazardous waste determination, the generator is responsible for storing the wastes appropriately. If the wastes are determined to be hazardous and the generator has not complied with the 335-14 requirements during the interim period, the generator could be subject to an enforcement action for improper management.
- (4) <u>Discarded commercial chemical product, off-specification species, container residues, and spill residues thereof.</u> The following materials or items are hazardous wastes if and when they are discarded or intended to be discarded as described in 335-14-2-.01(2)(a)2., when they are mixed with waste oil or used oil or other material and applied to the land for dust suppression or road treatment, when they are otherwise applied to the land in lieu of their original intended use or when they are contained in products that are applied to the land in lieu of their original intended use, or when, in lieu of their original intended use, they are produced for use as (or as a component of) a fuel, distributed for use as a fuel, or burned as a fuel.
- (a) Any commercial chemical product, or manufacturing chemical intermediate having the generic name listed in 335-14-2-.04(4)(e) or (f).
- (b) Any off-specification commercial chemical product or manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in 335-14-2-.04(4)(e) or (f).
- (c) Any residue remaining in a container or in an inner liner removed from a container that has held any commercial chemical product or manufacturing chemical intermediate having the generic name listed in 335-14-2-.04(4)(e) or (f) unless the container is empty as defined in 335-14-2-.01(7)(b).

[Comment: Unless the residue is being beneficially used or reused, or legitimately recycled or reclaimed; or being accumulated, stored, transported or treated prior to such use, re-use, recycling or reclamation, ADEM considers the residue to be intended for discard, and thus, a hazardous waste. An example of a legitimate re-use of the residue would be where the residue remains in the container and the container is used to hold the same commercial chemical product or manufacturing chemical intermediate it previously held. An example of the discard of the residue would be where the drum is sent to a drum reconditioner who reconditions the drum but discards the residue.]

(d) Any residue or contaminated soil, water, or other debris resulting from the cleanup of a spill into or on any land or water of any commercial chemical

product or manufacturing chemical intermediate having the generic name listed in 335-14-2-.04(4)(e) or (f), or any residue or contaminated soil, water, or other debris resulting from the cleanup of a spill, into or on any land or water, of any off-specification chemical product and manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in 335-14-2-.04(4)(e) or (f).

[Comment: The phrase "commercial chemical product or manufacturing chemical intermediate having the generic name listed in..." refers to a chemical substance which is manufactured or formulated for commercial or manufacturing use which consists of the commercially pure grade of the chemical, any technical grades of the chemical that are produced or marketed, and all formulations in which the chemical is the sole active ingredient. It does not refer to a material, such as a manufacturing process waste, that contains any of the substances listed in 335-14-2-.04(4)(e) or (f). Where a manufacturing process waste is deemed to be a hazardous waste because it contains a substance listed in 335-14-2-.04(4)(e) or (f), such waste will be listed in either 335-14-2-.04(2) or 335-14-2-.04(3), or will be identified as a hazardous waste by the characteristics set forth in 335-14-2-.03.]

(e) The commercial chemical products, manufacturing chemical intermediates or off-specification commercial chemical products or manufacturing chemical intermediates referred to in 335-14-2-.04(4)(a) through (d), are identified as acute hazardous wastes (H) and are subject to the small quantity exclusion defined in 335-14-2-.01(5)(e).

[Comment: For the convenience of the regulated community, the primary hazardous properties of these materials have been indicated by the letters T (Toxicity) and R (Reactivity). Absence of a letter indicates that the compound only is listed for acute toxicity.]

These wastes and their corresponding EPA Hazardous Waste Numbers are:

Chemical Hazardous Abstracts Substance Waste No. No.		Substance
P023	107-20-0	Acetaldehyde, chloro-
P002	591-08-2	Acetamide, N-(aminothioxomethyl)-
P057	640-19-7	Acetamide, 2-fluoro-
P058	62-74-8	Acetic acid, fluoro-, sodium salt
P002	591-08-2	1-Acetyl-2-thiourea
2003	107-02-8	Acrolein
2070	116-06-3	Aldicarb
203	1646-88-4	Aldicarb sulfone
2004	309-00-2	Aldrin
2005	107-18-6	Allyl alcohol
2006	20859-73-8	Aluminum phosphide (R,T)
2007	2763-96-4	5-(Aminomethyl)-3-isoxazolol
2008	504-24-5	4-Aminopyridine
2009	131-74-8	Ammonium picrate (R)
P119	7803-55-6	Ammonium vanadate
2099	506-61-6	Argentate(l-), bis(cyano-C)-, potassium
2010	7778-39-4	Arsenic acid H <sub>3</sub> AsO <sub>4</sub>
2012	1327-53-3	Arsenic oxide As <sub>2</sub> O <sub>3</sub>
2011	1303-28-2	Arsenic oxide As <sub>2</sub> O <sub>5</sub>
2011	1303-28-2	Arsenic pentoxide
2012	1327-53-3	Arsenic trioxide
2038	692-42-2	Arsine, diethyl-
P036	696-28-6	Arsonous dichloride, phenyl-
P054	151-56-4	Aziridine
2067	75-55-8	Aziridine, 2-methyl-
2013	542-62-1	Barium cyanide
2024	106-47-8	Benzenamine, 4-chloro-
2077	100-01-6	Benzenamine, 4-nitro-
2028	100-44-7	Benzene, (chloromethyl)-
2042	51-43-4	1,2-Benzenediol, 4-[1-hydroxy-2-(methyl-amino)ethyl]-, (R)-
2046	122-09-8	Benzeneethanamine, alpha,alpha-dimethyl-
2014	108-98-5	Benzenethiol
127	1563-66-2	7-Benzofuranol,2,3-dihydro-2,2-dimethyl-, methylcarbamate
P188	57-64-7	Benzoic acid, 2-hydroxy-, compound with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylphyrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1)
P001	<sup>1</sup> 81-81-2	2H-1-Benzopyran-2-one, 4-hydroxy-3- (3-oso-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%
2028	100-44-7	Benzyl chloride
2015	7440-41-7	Beryllium powder

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P017	598-31-2	Bromoacetone
P018	357-57-3	Brucine

Hazardous Waste No.	Chemical Abstracts No.	Substance	
P045	39196-18-4	2-Butanone, 3,3-dimethyl-1-(methylthio)-,	
2021	592-01-8	0-[methylamino)carbonyl] oxime	
021	592-01-8	Calcium cyanide	
0189	55285-14-8	Carbania caid (dibutal and a state of the st	
0105	00200-1-4-0	Carbamic acid, [(dibutylamino)-thio]methyl-2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester	
191	644-64-4	Carbamic acid, dimethyl-,1-[(dimethyl-amino) carbonyl]-5-methyl-1H-pyrozol-3-yl ester	
192	119-38-0	Carbamic acid, dimethyl-, 3-methyl-1(1-	
		methylethyl)-1H-pryrazol-5yl ester	
190	1129-41-5	Carbamic acid, methyl-, 3-methylphenyl	
		ester	
l <b>2</b> 7	1563-66-2	Carbofuran	
22	75-15-0	Carbon disulfide	
95	75-44-5	Carbonic dichloride	
39	55285-14-8	Carbosulfan	
23	107-20-0	Chloroacetaldehyde	
24	106-47-8	p-Chloroaniline	
26	5344-82-1	1-(o-Chlorophenyl)thiourea	
27	542-76-7	3-Chloropropionitrile	
29	544-92-3	Copper cyanide	
29	544-92-3	Copper cyanide Cu(CN)	
02	64-00-6	m-Cumenyl methylcarbamate	
30		Cyanides (soluble cyanide salts), not otherwise specified	
31	460-19-5	Cyanogen	
33	506-77-4	Cyanogen chloride	
33	506-77-4	Cyanogen chloride (CN)Cl	
34	131-89-5	2-Cyclohesyl-4,6-dinitrophenol	
16	542-88-1	Dichloromethyl ether	
36	696-28-6	Dichlorophenylarsine	
37	60-57-1	Dieldrin	
38	692-42-2	Diethylarsine	
41	311-45-5	Diethyl-p-nitrophenyl phosphate	
40	297-97-2	O,O-Diethyl O-pyrazinyl phosphorothioate	
43	55-91-4	Diisopropylfluorophosphate (DFP)	
04	309-00-2	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10, 10-hexachloro-1,4,4a,5,8,8a-hexahydro-,(1alpha,4alpha,4abeta,5alpha, 8alpha,8abeta)-	

Hazardous Waste No.	Chemical Abstracts No.	Substance	
P060	465-73-6	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,	
	10-hexa- chlo	ro-1,4,4a,5,8,8a-	
		hexahydro-, (lalpha,4alpha,4abeta,	
		5beta, 8beta, 8abeta)-	
P037	60-57-1	2,7:3,6-Dimethanonaphth[2,3-b]oxirene,	
		3,4,5,6,9,9-hexachloro-la,2,2a, 3,6,6a,	
		7,7a-octahydro-,(1alpha, 2beta,2alpha,	
		3beta,6beta,6alpha,7beta,7alpha)-	
P051	<sup>1</sup> 72-20-8	2,7:3,6-Dimethanonaphth [2,3-b]oxirene,	
		3,4,5,6,9,9- hexachloro-la,2,2a,3,6,	
		6a,7,7a-octahydro-,(1alpha,2beta,	
		2beta,3alpha,6alpha,6beta,7beta,	
		7alpha)-, & metabolites	
P044	60-51-5	Dimethoate	
P046	122-09-8	alpha, alpha-Dimethylphenethylamine	
P191	644-64-4	Dimetilan	
P047	<sup>1</sup> 534-52-1	4,6-Dinitro-o-cresol, & salts	
P048	51-28-5	2,4-Dinitrophenol	
P020	88-85-7	Dinoseb	
P085	152-16-9	Diphosphoramide, octamethyl-	
P111	107-49-3	Diphosphoric acid, tetraethyl ester	
P039	298-04-4	Disulfoton	
P049	541-53-7	Dithiobiuret	
P185	26419-73-8	1,3-Dithiolane-2-carboxaldehyde,2,4-	
		dimethyl-,o-[(methylamino)-	
P050	115 00 7	carbonyl]oxime	
P088	115-29-7 145-73-3	Endosulfan	
P051	72-20-8	Endothall	
P051	72-20-8	Endrin	
P042	51-43-4	Endrin, & metabolites Epinephrine	
P031	460-19-5	Ethanedinitrile	
P194	23135-22-0	Ethanimidothioc acid, 2-(dimethylamino)-N-	
		[[(methylamino) carbonyl]-2-oxo]-, methyl	
		ester	
P066	16752-77-5	Ethanimidothioic acid, N-[[(methylamino)	
		carbonyl]oxy]-,ethyl ester	
P101	107-12-0	Ethyl cyanide	
P054	151-56-4	Ethyleneimine	
P097	52-85-7	Famphur	
P056	7782-41-4	Fluorine	
P057	640-19-7	Fluoroacetamide	
P058	62-74-8	Fluoroacetic acid, sodium salt	
P198	23422-53-9	Formetanate hydrochloride	
P197	17702-57-7 628-86-4	Formparante Fulminic acid, mercury(2+) salt(R,T)	
P065			

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Hazardous Waste No.	Chemical Abstracts No.	Substance
P059	76-44-8	Heptachlor
P062	757-58-4	Hesaethyl tetraphosphate
P116	79-19-6	Hydrazinecarbothioamide
P068	60-34-4	Hydrazine, methyl-
P063	74-90-8	Hydrocyanic acid
P063	74-90-8	Hydrogen cyanide
P096	7803-51-2	Hydrogen phosphide
P060	465-73-6	Isodrin
P192	119-38-0	Isolan
P202	64-00-6	
P007	2763-96-4	3-Isopropylphenyl N-methylcarbamate
P196	15339-36-3	3(2H)-Isoxazolone, 5-(aminomethyl)- Manganese, bis(dimethylcarbamodithioato- S,S')-,
P196	15339-36-3	Manganese dimethyldithiocarbamate
P092	62-38-4	Mercury, (acetato-0)phenyl-
P065	628-86-4	Mercury fulminate (R,T)
P082	62-75-9	Methanamine,N-methyl-N-nitroso-
P064	624-83-9	Methane, isocyanato-
P016	542-88-1	Methane, oxybis[chloro-
P112	509-14-8	Methane, tetranitro-(R)
P118	75-70-7	Methanethiol, trichloro-
P198	23422-53-9	Methanimidamide, N,N-dimethyl-N'-[3- [[(methylamino)-cargonyl]oxy]phenyl]- monohydrochloride
P197	17702-57-7	Methanimidamide, N,N-dimethyl-N'-[2- methyl-4-[[(methylamino)carbonyl] oxl]phenyl]-
P050	115-29-7	6,9-Methano-2,4,3- benzodioxathiepin, 6,7,8,9,10,10- hexachloro-1,5,5a, 6,9,9a-hexahydro-, 3-oxide
P059	76-44-8	4,7-Methano-lH-indene,1,4,5, 6,7,8,
P199	2032-65-7	8-heptachloro-3a,4,7,7a-tetrahydro- Methiocarb
P066	16752-77-5	Methomyl
P068	60-34-4	Methyl hydrazine
P064	624-83-9	Methyl hydrazme Methyl isocyanate
P <b>0</b> 69	75-86-5	<u> </u>
2071	298-00-0	2-Methyllactonitrile Methyl parathion
2190	1129-41-5	Metolcarb
P128	315-8-4	Mexacarbate
2072	86-88-4	
2073	13463-39-3	alpha-Naphthylthiourea
2073	13463-39-3	Nickel carbonyl
2074	557-19-7	Nickel carbonyl Ni(C0) <sub>4</sub> , (T-4)-
2074	557-19-7	Nickel cyanide
		Nickel cyanide Ni(CN) <sub>2</sub>
P075	<sup>1</sup> 54-11-5	Nicotine, & salts

	Chemical	
Hazardous	Abstracts	Substance
Waste No.	No.	
P076	10102-43-9	Nitric oxide
P077	100-01-6	p-Nitroaniline
P078	10102-44-0	Nitrogen dioxide
P076	10102-43-9	Nitrogen oxide NO
P078	10102-44-0	Nitrogen oxide NO <sub>2</sub>
P081	55-63-0	Nitroglycerine(R)
P082	62-75-9	N-Nitrosodimethylamine
P084	4549-40-0	N-Nitrosomethylvinylamine
P085	152-16-9	Octamethylpyrophosphoramide
P087	20816-12-0	Osmium oxide OsO <sub>4</sub> , (T-4)-
P087	20816-12-0	Osmium tetroxide
P088	145-73-3	7-Oxabicyclo[2.2.1]heptane-2,3-
		dicarboxylic acid
P194	23135-22-0	Oxamyl
P089	56-38-2	Parathion
P034	131-89-5	Phenol, 2-cyclohexyl-4,6-dinitro-
P048	51-28 <b>-</b> 5	Phenol, 2,4-dinitro-
P047	<sup>1</sup> 534-52-1	Phenol, 2-methyl-4,6-dinitro, & salts
P020	88-85-7	Phenol, 2-(1-methylpropyl)-4,6-
		dinitro-
P009	131-74-8	Phenol, 2,4,6-trinitro-, ammonium
D. I. O. O.		salt (R)
P128	315-18-4	Phenol, 4-(dimethylamino)-3,5-dimethyl-,
D100		methylcarbamate (ester)
P199	2032-65-7	Phenol, (3,5-dimethyl-4-(methylthio)-,
2202		methylcarbamate
P202	64-00-6	Phenol, 3-(1-methylethyl)-, methyl carbamate
P201	2631-37-0	Phenol, 3-methyl-5-(1-methylethyl)-,methyl
2092	60 20 4	carbamate
2092 2093	62-38-4	Phenylmercury acetate
2093 2094	103-85-5	Phenylthiourea
209 <del>4</del> 2095	298-02-2	Phorate
2095 2096	75-44-5	Phosgene
2041	803-51-2	Phosphine
7041	311-45-5	Phosphoric acid, diethyl 4-
2020	000 04 4	nitrophenyl ester
2039	298-04-4	Phosphorodithioic acid, 0,0-diethyl
2004	000 00 0	-S-[2-(ethylthio)ethyl] ester
P094	298-02-2	Phosphorodithioic acid, 0,0-diethyl
20.4.4	60 mi	S-[(ethylthio)methyl] ester
P044	60-51-5	Phosphorodithioic acid, 0,0-
		dimethyl S-[2-(methylamino)-2-
		oxoethyl] ester
P043	55-91-4	Phosphorofluoridic acid, bis(1-
		methylethyl) ester
2089	56-38-2	Phosphorothioic acid, 0,0-diethyl

Hazardous Waste No.	Chemical Abstracts No.	Substance
		0-(4-nitrophenyl) ester
P040	297-97-2	Phosphorothioic acid, 0,0-diethyl 0-pyrazinyl ester
P097	52-85-7	Phosphorothioic acid, 0-[4-[(dimethylamino)sulfonyl] phenyl] 0,0-dimethyl ester
P071	298-00-0	Phosphorothioic acid, 0,0,-dimethyl 0-(4-nitrophenyl) ester
P204	57-47-6	Physostigmine
P188	57-64-7	Physostigmine salicylate
P110	78-00-2	Plumbane, tetraethyl-
P098	151-50-8	Potassium cyanide
P098	151-50-8	
P099	506-61-6	Potassium cyanide K(CN)
P201	2631-37-0	Potassium silver cyanide Promecarb
P070	116-06-3	Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime
P203	1646-88-4	Propanal, 2-, methyl-2-(methyl-sulfonyl)-, O-[(methylamino)carbonyl] oxime
P101	107-12-0	Propanenitrile
P027	542-76-7	Propanenitrile, 3-chloro-
P069	75-86-5	Propanenitrile, 2-hydroxy-2-methyl-
P081	55-63-0	1,2,3-Propanetriol, trinitrate (R)
P017	598-31-2	2-Propanone, I-bromo-
P102	107-19-7	Propargyl alcohol
P003	107-02-8	2-Propenal
P005	107-18-6	2-Propen-l-ol
P067	75-55-8	1,2-Propylenimine
P102	107-19-7	2-Propyn-1-ol
P008	504-24-5	4-Pyridinamine
P075	<sup>1</sup> 54-11-5	Pyridine, 3-(1-methyl-2- pyrrolidinyl)-, (S)-, and salts
P204	57-47-6	Pyrrolo[2,3-b]indol-5-ol,1,2,3,3a,8,8a- hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)-
P114	12039-52-0	Selenious acid, dithallium(l+) salt
P103	630-10-4	Selenourea
P104	506-64-9	Silver cyanide
P104	506-64-9	Silver cyanide (Ag(CN)
P105	26628-22-8	Sodium azide
P106	143-33-9	Sodium cyanide
P106	143-33-9	Sodium cyanide Na(CN)
P108	<sup>1</sup> 57-24-9	•
P018		Strychnidin-10-one, and salts
	357-57-3	Strychnidin-10-one, 2,3-dimethoxy-
P108	<sup>1</sup> 57-24-9	Strychnine, & salts
P115	7446-18 <b>-</b> 6	Sulfuric acid, dithallium(l+) salt

Hazardous Waste No.	Chemical Abstracts No.	Substance
P109	3689-24-5	Tetraethyldithiopyrophosphate
P110	78-00-2	Tetraethyl lead
P111	107-49-3	Tetraethyl pyrophosphate
P112	509-14-8	Tetranitromethane (R)
P062	757-58-4	Tetraphosphoric acid, hexaethyl ester
P113	1314-32-5	Thallic oxide
P113	1314-32-5	Thallium oxide Tl <sub>2</sub> O <sub>3</sub>
P114	12039-52-0	Thallium(l) selenite
P115	7446-18-6	Thallium(l) sulfate
P109	3689-24-5	Thiodiphosphoric acid, tetraethyl ester
P045	39196-18-4	Thiofanox
P049	541-53-7	Thioimidodicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> NH
P014	108-98-5	Thiophenol
P116	79-19-6	Thiosemicarbazide
P026	5344-82-1	Thiourea, (2-chlorophenyl)-
P072	86-88-4	Thiourea, l-naphthalenyl-
P093	103-85-5	Thiourea, phenyl-
P185	26419-73-8	Tirpate
P123	8001-35-2	Toxaphene
P118	75-70-7	Trichloromethanethiol
Pl19	7803-55-6	Vanadic acid, ammonium salt
P120	1314-62-1	Vanadium oxide V <sub>2</sub> O <sub>5</sub>
P120	1314-62-1	Vanadium pentoxide
P084	4549-40-0	Vinylamine, N-methyl-N-nitroso-
P001	<sup>1</sup> 81-81-2	Warfarin, & salts, when present at concentrations greater than 0.3%
P205	137-30-4	Zinc, bis(dimethylcarbamodithioato-S,S')-,
P121	557-21-1	Zinc cyanide
P121	557-21-1	Zinc cyanide Zn(CN) <sub>2</sub>
P122	1314-84-7	Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present
		at concentrations greater than 10% (R,T)
P205	137-30-4	Ziram

<sup>&</sup>lt;sup>1</sup>CAS Number given for parent compound only.

These wastes and their corresponding EPA Hazardous Waste Numbers are:

<sup>(</sup>f) The commercial chemical products, manufacturing chemical intermediates, or off-specification commercial chemical products referred to in 335-14-2-.04(4)(a) through (d), are identified as toxic wastes (T) unless otherwise designated and are subject to the small quantity exclusion defined in 335-14-2-.01(5)(a) and (g).

Hazardous Waste No.	Chemical Abstracts No.	Substance
		40040
U394	30558-43-1	A2213
U001	75-07-0	Acetaldehyde (I)
U034	75-87-6	Acetaldehyde, trichloro-
U187	62-44-2	Acetamide, N-(4-ethoxyphenyl)-
U005	53-96-3	Acetamide, N-9H-fluoren-2-yl-
U24 <b>0</b>	<sup>1</sup> 94-75-7	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters
U112	141-78-6	Acetic acid ethyl ester (I)
U144	301-04-2	Acetic acid, lead(2+) salt
U214	563-68-8	Acetic acid, thallium(l+) salt
See F027	93-76-5	Acetic acid, (2,4,5-trichloro phenoxy)-
U002	67-64-1	Acetone (I)
U003	75-05-8	Acetonic (I,T)
U004	98-86-2	Acetophenone
U005	53-96-3	2-Acetylaminofluorene
U006	75-36-5	
U007	79-06-1	Acetyl chloride (C,R,T)
U008	79-10-7	Acrylamide
U008 U009		Acrylic acid (I)
U011	107-13-1	Acrylonitrile
	61-82-5	Amitrole
U012	62-53-3	Aniline (I,T)
U136	75-60-5	Arsinic acid, dimethyl-
U014	492-80-8	Auramine
U015	115-02-6	Azaserine
U010	50-07-7	Azirino[2,3:3,4]pyrrolo[1,2-a] indole-4,7-dione, 6-amino-8-
		[[(aminocarbonyl)oxy]methyl]-
		1,la,2,8,8a,8b-hexahydro-8a-
		methoxy-5-methyl-, [laS-(laalpha,
		8beta,8aalpha,8balpha)]-
U280	101-27-9	Barban
U278	22781-23-3	Bendiocarb
U364	22961-82-6	Bendiocarb phenol
U271	17804-35-2	Benomyl
U157	56-49-5	Benz[j]aceanthrylene,1,2-dihydro-3- methyl-
U016	225-51-4	Benz[c]acridine
U017	98-87-3	Benzal chloride
U192	23950-58-5	Benzamide, 3,5-dichloro-N-(l,l-dimethyl -2-propynyl)-
U018	56-55-3	Benz[a]anthracene
U094	57-97-6	Benz[a]anthracene,7,12-dimethyl-
U012	62-53-3	Benzenamina (TT)
U014	492-80-8	Benzenamine (I,T)
		Benzenamine, 4,4-carbonimidoylbis [N,N-dimethyl-
U049	3165-93-3	Benzenamine, 4-chloro-2-methyl-,

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Hazardous Waste No.	Chemical Abstracts No.	Substance
110.	.110.	hydrochloride
U093	60-11-7	Benzenamine, N,N-dimethyl-
0093	00-11-7	4-(phenylazo)-
U328	95-53-4	,
U353	106-49-0	Benzenamine, 2-methyl-
		Benzenamine, 4-methyl-
U158	101-14-4	Benzenamine, 4,4-methylenebis [2-chloro-
U222	636-21-5	Benzenamine, 2-methyl-, hydrochloride
U181	99-55-8	Benzenamine, 2-methyl-5-nitro-
U019	71-43-2	Benzene (I,T)
U038	510-15-6	Benzeneacetic acid, 4-chloro-alpha-
		(4-chlorophenyl)-alpha-hydroxy-,
		ethyl ester
U030	101-55-3	Benzene, 1-bromo-4-phenoxy-
U035	305-03-3	Benzenebutanoic acid, 4-[bis(2-
	+	chloroethyl)amino -
U037	108-90-7	Benzene, chloro-
U221	25376-45-8	Benzenediamine, ar-methyl-
U028	117-81-7	1,2-Benzenedicarboxylic acid, bis(2- ethylhexyl) ester
U069	84-74-2	1,2-Benzenedicarboxylic acid, dibutyl
U088	84-66-2	ester
0000	84-00-2	1,2-Benzenedicarboxylic acid, diethyl ester
U102	131-11-3	1,2-Benzenedicarboxylic acid, dimethyl
		ester
U107	117-84-0	1,2-Benzenedicarboxylic acid, dioctyl ester
U070	95-50-1	Benzene, 1,2-dichloro-
U071	541-73-1	Benzene, 1,3-dichloro-
U072	106-46-7	Benzene, 1,4-dichloro-
U060	72-54-8	Benzene, 1,1-(2,2-dichloroethyli- dene)bis[4-chloro-
U017	98-87-3	Benzene, (dichloromethyl)-
U223	26471-62-5	Benzene, 1,3-diisocyanatomethyl-(R,T)
U239	1330-20-7	Benzene, dimethyl-(I,T)
U201	108-46-3	1,3-Benzenediol
U127	118-74-1	Benzene, hexachloro-
U056	110-82-7	Benzene, hexahydro- (I)
U220	108-88-3	Benzene, methyl-
U105	121-14-2	Benzene, l-methyl-2,4-dinitro-
U106	606-20-2	Benzene, 2-methyl-1,3-dinitro-
U055	98-82-8	Benzene, (l-methylethyl)- (l)
~~~	JU 0 <u>2</u> U	
U169	98-95-3	Benzene, nitro-

Hazardous Waste	Chemical Abstracts	Substance
No.	No.	
U185	82-68-8	Benzene, pentachloronitro-
U020	98-09-9	Benzenesulfonic acid chloride (C,R)
U020	98-09-9	Benzenesulfonyl chloride (C,R)
U207	95-94-3	Benzene, 1,2,4,5-tetrachloro-
U061	50-29-3	Benzene, 1,1-(2,2,2-trichloro
		ethylidene)bis[4-chloro-
U247	72-43-5	Benzene, 1,1-(2,2,2-trichloro ethylidene)bis[4-methoxy-
U023	98-07-7	Benzene, (trichloromethyl)-
U234	99-35-4	Benzene, 1,3,5-trinitro-
U021	92-87-5	Benzidine
U202	181-07-2	1,2-Benzisothiazol-3(2H)-one, l,l-dioxide, & salts
U278	22781-23-3	1,3-Benzodioxol-4-ol,2,2-dimethyl-,methyl carbamate
U364	22961-82-6	1,3,Benzodioxol-4-ol,2,2-dimethyl-,
U203	94-59-7	1,3-Benzodioxole, 5-(2-propenyl)-
U141	120-58-1	1,3-Benzodioxole, 5-(1-propenyl)-
U367	1563-38-8	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-
U090	94-58-6	1,3-Benzodioxole, 5-propyl-
U064	189-55-9	Benzo[rst]pentaphene
U248	<sup>1</sup> 81-81-2	2H-l-Benzopyran-2-one, 4-hydroxy-3- (3-oxo-1-phenyl-butyl)-, & salts,
		when present at concentrations of 0.3% or less
U022	50-32-8	Benzo[a]pyrene
U197	106-51-4	p-Benzoquinone
U023	98-07-7	Benzotrichloride (C,R,T)
U085	1464-53-5	2,2-Bioxirane
U021	92-87-5	[l,l'-Biphenyl]-4,4-diamine
U073	91-94-1	[1,1'-Biphenyl]-4,4-diamine, 3,3'-
		dichloro-
U091	119-90-4	[1,1'-Biphenyl]-4,4-diamine, 3,3'-dimethoxy-
U095	119-93-7	[l,l'-Biphenyl]-4,4-diamine, 3,3'- dimethyl-
U225	75-25-2	Bromoform
U030	101-55-3	4-Bromophenyl phenyl ether
U128	87-68-3	1,3-Butadiene, 1,1,2,3,4,4- hexachloro-
U172	924-16-3	l-Butanamine, N-butyl-N-nitroso-
U031	71-36-3	1-Butanol (I)
U159	78-93-3	2-Butanone (I,T)
U160	1338-23-4	2-Butanone, peroxide (R,T)
U053	4170-30-3	2-Butenal
U074	764-41-0	2-Butene, 1,4-dichloro- (I,T)

Hazardous Waste No.	Chemical Abstracts No.	Substance
U143	303-34-4	2-Butenoic acid, 2-methyl-,7-[[2,3-
		dihydroxy-2-(1-methoxyethyl)-3-
		methyl-l-oxobutoxy methyl -2,3,5,
		7a-tetrahydro-lH-pyrrolizin-l-yl
		ester, [IS-[laipha(Z),7(2S*,3R*),
		7aalpha]]-
U031	71-36-3	n-Butyl alcohol (I)
U136	75-60-5	Cacodylic acid
U032	13765-19-0	Calcium chromate
U372	10605-21-7	Carbamic acid, 1H-benzimidazol-2-yl,methyl ester
U271	17804-35-2	Carbamic acid, [1-[butylamino]carbonyl]-1H-
		benzimidazol-2-yl], methyl ester
U280	101-27-9	Carbamic acid, (3-chlorophenyl)-, 4-chloro- 2-butynyl ester
U238	51-79-6	Carbamic acid, ethyl ester
U178	615-53-2	Carbanic acid, entry ester
U373	122-42-9	Carbamic acid, methylnitroso-, ethyl ester
U409	23564-05-8	Carbamic acid, phenyl-, 1-methylethyl ester
0103	2000-1-00-0	Carbamic acid, [1,2-phenylene bis
U097	79-44-7	(iminocarbonothioyl)]bis-, dimethyl ester
U389	2303-17-5	Carbamic chloride, dimethyl-
0009	2303-17-3	Carbamothioic acid, bis(1-methylethyl)-,
U387	E0000 00 0	S-(2,3,3-trichloro-2-propenyl) ester
0367	52888-80-9	Carbamothioic acid, dipropyl-, S-
	1.	(phenylmethyl) ester
U114	<sup>1</sup> 111-54-6	Carbamodithioic acid, 1,2-ethane-
		diylbis-, salts & esters
U062	2303-16-4	Carbamothioic acid, bis(l-
		methylethyl)-, S-(2,3-dichloro-
		2-propenyl) ester
U279	63-25-2	Carbaryl
U372	10605-21-7	Carbendazim
U367	1563-38-8	Carbofuran phenol
U215	6533-73-9	Carbonic acid, dithallium(l+) salt
U033	353-50-4	Carbonic difluoride
U156	79-22-1	Carbonochloridic acid, methyl ester (I,T)
U033	353-50-4	Carbon oxyfluoride (R,T)
U211	56-23-5	Carbon tetrachloride
U034	75-87-6	Chloral
U035	305-03-3	Chlorambucil
U036	57-74-9	Chlordane, alpha & gamma isomers
U026	494-03-1	Chlornaphazine
U037	108-90-7	Chlorobenzene
U038	510-15-6	Chlorobenzilate
U039	59-50-7	
	0.5-00-1	p-Chloro-m-cresol

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Hazardous	Chemical	G. t. A
Waste No.	Abstracts No.	Substance
U042	110-75-8	2 Chlorostari vinul attace
U044 U044	67-66-3	2-Chloroethyl vinyl ether Chloroform
U046		
	107-30-2	Chloromethyl methyl ether
U047	91-58-7	beta-Chloronaphthalene
U048	95-57-8	o-Chlorophenol
U049	3165-93-3	4-Chloro-o-toluidine, hydrochloride
U032	13765-19-0	Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt
U050	218-01-9	Chrysene
U051	4 4 10-10-10-10-10-10-10-10-10-10-10-10-10-1	Creosote
U052	1319-77-3	Cresol (Cresylic acid)
U053	4170-30-3	Crotonaldehyde
U055	98-82-8	Cumene (I)
U246	506-68-3	Cyanogen bromide (CN)Br
U197	106-51-4	2,5-Cyclohexadiene-1,4-dione
U056	110-82-7	Cyclohexane (I)
U129	58-89-9	Cyclohexane, 1,2,3,4,5,6-hexa-
		chloro-, (lalpha,2alpha,3beta,
		4alpha,5alpha,6beta)-
U057	108-94-1	Cyclohexanone (I)
U130	77-47-4	1,3-Cyclopentadiene, 1,2,3,4,5,5- hexachloro-
U058	50-18-0	Cyclophosphamide
U240	<sup>1</sup> 94-75-7	2,4-D, salts and esters
U059	20830-81-3	Daunomycin
U060	72-54-8	DDD
U061	50-29-3	DDT
U062	2303-16-4	Diallate
U063	53-70-3	Dibenz[a,h]anthracene
U064	189-55-9	Dibenzo[a,i]pyrene
U066	96-12-8	1,2-Dibromo-3-chloropropane
U069	84-74-2	Dibutyl phthalate
U070	95-50-1	o-Dichlorobenzene
U071	541-73-1	m-Dichlorobenzene
U072	106-46-7	p-Dichlorobenzene
U073	91-94-1	3,3'-Dichlorobenzidine
U074	764-41-0	1,4-Dichloro-2-butene (I,T)
U075	75-71-8	Dichlorodifluoromethane
U078	75-35 <b>-</b> 4	l,l-Dichloroethylene
U079	156-60-5	1,2-Dichloroethylene
U025	111-44-4	Dichloroethyl ether
U027	108-60-1	Dichloroisopropyl ether
U024	111-91-1	Dichloromethoxy ethane
U081	120-83-2	2,4-Dichlorophenol
U082	87-65-0	2,6-Dichlorophenol
U084	542-75-6	1,3-Dichloropropene
U085	1464-53-5	1,2:3,4-Diepoxybutane (I,T)

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Hazardous Waste	Chemical Abstracts	Substance
No.	No.	
U108	123-91-1	1,4-Diethyleneoxide
U028	117-81-7	Diethylhexyl phthalate
U395	5952-26-1	Diethylene glycol, dicarbamate
U086	1615-80-1	N,N'-Diethylhydrazine
U087	3288-58-2	O,O-Diethyl S-methyl dithiophosphate
U088	84-66-2	Diethyl phthalate
U089	56-53-1	Diethylstilbesterol
U090	94-58-6	Dihydrosafrole
U091	119-90-4	3,3'-Dimethoxybenzidine
U092	124-40-3	Dimethylamine (I)
U093	60-11-7	p-Dimethylaminoazobenzene
U094	57-97-6	7,12-Dimethylbenz[a]anthracene
U095	119-93-7	3,3-Dimethylbenzidine
U096	80-15-9	alpha,alpha-Dimethylbenzylhydro-
0000	00 40 5	peroxide (R)
U097	79-44-7	Dimethylcarbamoyl chloride
U098	57-14-7	l,l-Dimethylhydrazine
U099	540-73-8	1,2-Dimethylhydrazine
U101	105-67-9	2,4-Dimethylphenol
U102	131-11-3	Dimethyl phthalate
U103	77-78-1	Dimethyl sulfate
U105	121-14-2	2,4-Dinitrotoluene
U106	606-20-2	2,6-Dinitrotoluene
U107	117-84-0	Di-n-octyl phthalate
U108	123-91-1	1,4-Dioxane
U109	122-66-7	1,2-Diphenylhydrazine
U110	142-84-7	Dipropylamine (I)
U111	621-64-7	Di-n-propylnitrosamine
U041	106-89-8	Epichlorohydrin
U001	75-07-0	Ethanal (I)
U404	121-44-8	Ethanamine, N,N-diethyl-
U174	55-18-5	Ethanamine, N-ethyl-N-nitroso-
U155	91-80-5	1,2,Ethanediamine, N,N-dimethyl- N'-2-
0100	J1 00 0	pyridinyl-N'-(2-thienyl-methyl)-
U067	106-93-4	Ethane, 1,2-dibromo-
U076	75-34-3	Ethane, 1,1-dichloro-
U077	107-06-2	Ethane, 1,2-dichloro-
U131	67-72-1	Ethane, hexachloro-
U024	111-91-1	Ethane, 1,1'-[methylenebis(oxy)]
T T 1 1 77	60.00.7	bis[2-chloro-
U117	60-29-7	Ethane, 1,1'-osybis- (I)
U025	111-44-4	Ethane, 1,1'-oxybis[2-chloro-
U184	76-01-7	Ethane, pentachloro-
U208	630-20-6	Ethane, 1,1,1,2-tetrachloro-
U209	79-34-5	Ethane, 1,1,2,2-tetrachloro-
U218	62-55-5	Ethanethioamide

Hazardous Waste No.	Chemical Abstracts	Substance			
	No.				
U226	71-55-6	Ethane, 1,1,1-trichloro-			
U227	79-00-5	Ethane, 1,1,2-trichloro-			
U410	59669-26-0	Ethanimidothioic acid, N,N'-[thiobis [(methylimino) carbonyloxy]]bis-,			
U394	30558-43-1	dimethyl ester Ethanimidothioic acid, 2-(dimethylamino)-N- hydroxy-2-oxo-, methyl ester			
U359	110-80-5	Ethanol, 2-ethoxy-			
U173	<sup>1</sup> 116-54 <b>-</b> 7	Ethanol, 2,2'-(nitrosoimino)bis-			
U395	5952-26-1	Ethanol, 2,2'-oxybis-, dicarbamate			
U004	98-86-2	Ethanone, l-phenyl-			
U043	75-01-4	Ethene, chloro-			
U042	110-75-8	Ethene, (2-chloroethoxy)-			
U078	75-35-4	Ethene, I,I-dichloro-			
U079	156-60-5	Ethene, 1,2-dichloro-, (E)-			
U210	127-18-4	Ethene, tetrachloro-			
U228	79-01-6	Ethene, trichloro-			
U112	141-78-6	Ethyl acetate (I)			
U113	140-88-5	Ethyl acrylate (I)			
U238	51-79-6	Ethyl carbamate (urethane)			
U117	60-29-7	Ethyl ether (I)			
U114	<sup>1</sup> 111-54-6	Ethylenebisdithiocarbamic acid, salts & esters			
U067	106-93-4	Ethylene dibromide			
U077	107-06-2	Ethylene dichloride			
U359	110-80-5	Ethylene glycol monoethyl ether			
U115	75-21-8	Ethylene oxide (I,T)			
U116	96-45-7	Ethylenethiourea			
U076	75-34-3	Ethylidene dichloride			
U118	97-63-2	Ethyl methacrylate			
U119	62-50-0	Ethyl methanesulfonate			
U120	206-44-0	Fluoranthene			
U122	50-00-0	Formaldehyde			
U123	64-18-6	Formic acid (C,T)			
U124	110-00-9	Furan (I)			
U125	98-01-1	2-Furancarboxaldehyde (I)			
U147	108-31-6	2,5-Furandione			
U213	109-99-9	Furan, tetrahydro- (I)			
U125	98-01-1	Furfural (I)			
U124	110-00-9	Furfuran (I)			
U206	18883-66-4	Glucopyranose, 2-deoxy-2-(3-methyl- 3-nitrosoureido)-, D-			
U206	18883-66-4	D-Glucose, 2-deoxy-2-[[(methyl-nitrosoamino)-carbonyl]amino]-			
U126	765-34-4	Glycidylaldehyde			
U163	70-25-7	Guanidine, N-methyl-N'-nitro-N-nitroso			

Hazardous	Chemical					
Waste	Abstracts	Substance				
No.	No.					
U127	118-74-1	Hexachlorobenzene				
U128	87-68-3	Hexachlorobutadiene				
U130	77-47-4	Hexachlorocyclopentadiene				
U131	67-72-1	Hexachloroethane				
U132	70-30-4	Hexachlorophene				
U243	1888-71-7	Hexachloropropene				
U133	302-01-2	Hydrazine (R,T)				
U086	1615-80-1	Hydrazine, 1,2-diethyl-				
U098	57-14-7	Hydrazine, 1,1-dimethyl-				
U099	540-73-8	Hydrazine, 1,2-dimethyl-				
U109	122-66-7	Hydrazine, 1,2-diphenyl-				
U134	7664-39-3	Hydrofluoric acid (C, T)				
U134	7664-39-3	Hydrogen fluoride (C,T)				
U135	7783-06-4	Hydrogen sulfide				
U135	7783-06-4	Hydrogen sulfide H <sub>2</sub> S				
U096	80-15-9	Hydroperoxide, l-methyl-l-phenylethyl-(R)				
U116	96-45-7	2-Imidazolidinethione				
U137	193-39-5	Indeno[1,2,3-cd]pyrene				
U190	85-44-9	1,3-Isobenzofurandione				
U140	78-83-1	Isobutyl alcohol (I,T)				
U141	120-58-1	Isosafrole				
U142	143-50-0	Kepone				
U143	303-34-4	Lasiocarpine				
U144	301-04-2	Lead acetate				
U146	1335-32-6	Lead, bis(acetato-O)tetrahydroxytri-				
U145	7446-27-7	Lead phosphate				
U146	1335-32-6	Lead subacetate				
U129	58-89-9	Lindane				
U163	70-25-7	MNNG				
U147	108-31-6	Maleic anhydride				
U148	123-33-1	Maleic hydrazide				
U149	109-77-3	Malononitrile				
U150	148 <b>-</b> 82-3	Melphalan				
U151	7439-97-6	Mercury				
U152	126-98-7	Methacrylonitrile (I,T)				
U092	124-40-3	Methanamine, N-methyl- (I)				
U029	74-83-9	Methane, bromo-				
U045	74-87-3	Methane, chloro- (I,T)				
U046	107-30-2	Methane, chloromethoxy-				
U068	74-95-3	Methane, dibromo-				
U080	75-09-2	Methane, dichloro-				
U075	75-71 <b>-</b> 8	Methane, dichlorodifluoro-				
U138	74-88-4	Methane, iodo-				
U119	62-50-0	Methanesulfonic acid, ethyl ester				
U211	56-23-5	Methane, tetrachloro-				
U153	74-93-1	Methanethiol (I,T)				

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Hazardous Waste	Chemical Abstracts	Substance			
No.	No.				
U225	75-25-2	Methane, tribromo-			
U044	67-66-3	Methane, trichloro-			
U121	75-69-4	Methane, trichlorofluoro-			
U036	57-74-9	4,7-Methano-1H-indene, 1,2,4,5, 6,7,8,8-			
		octachloro-2,3,3a,4,7,7a-hexahydro-			
U154	67-56-1	Methanol (I)			
U155	91-80-5	Methapyrilene			
U142	143-50-0	1,3,4-Metheno-2H-cyclobuta[cd]			
	1.0 00 0	pentalen-2-one, 1,la,3,3a,4,5,5, 5a,5b,6-decachlorooctahydro-			
U247	72-43-5	Methoxychlor			
U154	67-56-1	Methyl alcohol (I)			
U029	74-83-9	Methyl bromide			
U186	504-60-9	l-Methylbutadiene (I)			
U045	74-87-3	Methyl chloride (I,T)			
U156	79-22-1	Methyl chlorocarbonate (I,T)			
U226	71-55-6	Methyl chloroform			
U157	56-49-5	3-Methylcholanthrene			
U158	101-14-4	4,4'-Methylenebis(2-chloroaniline)			
U068	74-95-3	Methylene bromide			
U080	75-09-2	Methylene chloride			
J159	78-93-3	Methyl ethyl ketone (MEK)(I,T)			
J160	1338-23-4	Methyl ethyl ketone peroxide (R,T)			
J138	74-88-4	Methyl iodide			
J161	108-10-1	Methyl isobutyl ketone (I)			
J162	80-62-6	Methyl methacrylate (I,T)			
J161	108-10-1	4-Methyl-2-pentanone (I)			
J164	56-04-2	Methylthiouracil			
J010	50-07-7	Mitomycin C			
J059	20830-81-3	5,12-Naphthacenedione, 8-acetyl-			
	<b>40000 01 0</b>	10[(3-amino-2,3,6-trideoxy)-			
		alpha-L-lyxo-hexopyranosyl)			
		oxy]-7,8,9,10-tetrahydro-6,8,11-			
		trihydroxy-l-methoxy-, (8S-cis)-			
J <b>167</b>	134-32-7	l-Naphthalenamine			
J168	91-59-8	2-Naphthalenamine			
J026	494-03-1	Naphthalenamine, N,N'-bis(2-chloroethyl)-			
J165	91-20-3	Naphthalene			
J <b>0</b> 47	91-58-7	Naphthalene, 2-chloro-			
J166	130-15-4	1,4-Naphthalenedione			
J236	72-57-1	2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl [1,1'-biphenyl]-4,4'-diyl) bis(azo)bis[5-amino-4-			
		hydroxy]-, tetrasodium salt			
J2 <b>7</b> 9	63-25-2	1-Naphthalenol, methylcarbamate			

Hazardous Waste	Chemical Abstracts	Substance
No.	No.	
U166	130-15-4	1,4,Naphthaquinone
U167	134-32-7	alpha-Naphthylamine
U168	91-59-8	beta-Naphthylamine
U217	10102-45-1	Nitric acid, thallium(l+) salt
U169	98-9-5-3	Nitrobenzene (I,T)
U170	100-02-7	p-Nitrophenol
U171	79-46-9	2-Nitropropane (I,T)
U172	924-16-3	N-Nitrosodi-n-butylamine
U173	1116-54-7	N-Nitrosodiethanolamine
U174	55-18-5	N-Nitrosodiethylamine
U176	759-73-9	N-Nitroso-N-ethylurea
U177	684-93-5	N-Nitroso-N-methylurea
U178	615-53-2	N-Nitroso-N-methylurethane
U179	100-75-4	N-Nitrosopiperidine
U180	930-55-2	N-Nitrosopyrrolidine
U181	99-55-8	5-Nitro-o-toluidine
U193	1120-71-4	1,2-Oxathiolane, 2,2-dioxide
U058	50-18-0	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)
U115	75-21-8	tetrahydro-, 2-oxide
U126	765-34-4	Oxirane (I,T)
U041	106-89-8	Oxiranecarboxyaldehyde
U182	123-63-7	Oxirane, (chloromethyl)-
U183	608-93-5	Paraldehyde Pentachlorobenzene
U184	76-01 <i>-</i> 7	
U185	82-68-8	Pentachloroethane
See F027	87-86-5	Pentachloronitrobenzene (PCNB)
U161	108-10-1	Pentachlorophenol
U186	504-60-9	Pentanol, 4-methyl-
U187	62-44-2	1,3-Pentadiene (I)
U188	108-95-2	Phenacetin
U048	95-57-8	Phenol 2 11
U039		Phenol, 2-chloro-
U081	59-50 <b>-</b> 7	Phenol, 4-chloro-3-methyl-
U082	120-83-2	Phenol, 2,4-dichloro-
U082	87-65-0	Phenol, 2,6-dichloro-
	56-53-1	Phenol, 4,4'-(1,2-diethyl-1,2- ethenediyl)bis-, (E)-
U101	105-67-9	Phenol, 2,4-dimethyl-
U052	1319-77-3	Phenol, methyl-
U132	70-30-4	Phenol, 2,2-methylenebis [3,4,6-trichloro-
U411	114-26-1	Phenol, 2-(1-methylethoxy)-,methylcarbamate
U170	100-02-7	Phenol, 4-nitro-
See F027	87-86-5	Phenol, pentachloro-
See F027	58-90-2	Phenol, 2,3,4,6-tetrachloro-

Hazardous Waste	Chemical Abstracts	Substance
No.	No.	
See F027	95-95-4	Phenol, 2,4,5-trichloro-
See F027	88-06-2	Phenol, 2,4,6-trichloro-
U150	148-82-3	L-Phenylalanine, 4-[bis(2- chloroethyl)amino -
U145	7446-27-7	Phosphoric acid, lead(2+) salt(2:3)
U087	3288-58-2	Phosphorodithioic acid, O,O-diethyl S-methyl ester
U189	1314-80-3	Phosphorous sulfide (R)
U190	85-44-9	Phthalic anhydride
Ul91	109-06-8	2-Picoline
U179	100-75-4	Piperidine, l-nitroso-
U192	23950-58-5	Pronamide
U194	107-10-8	1-Propanamine (I,T)
Ulll	621-64-7	l-Propanamine, N-nitroso-N-propyl-
U110	142-84-7	1-Propanamine, N-propyl- (I)
U066	96-12-8	Propane, 1,2-dibromo-3-chloro-
U083	78-87-5	Propane, 1,2-dichloro-
U149	109-77-3	Propanedinitrile
U171	79-46-9	Propane, 2-nitro- (I,T)
U027	108-60-1	Propane, 2,2-oxybis[2-chloro-
U193	1120-71-4	1,3-Propane sultone
See F027	93-72-1	Propanoic acid, 2-(2,4,5-trichloro-
U235	126-72-7	phenoxy)- I-Propanol, 2,3-dibromo-, phosphate (3:1)
U140	78-83-1	1-Propanol, 2-methyl-(I,T)
U002	67-64-1	2-Propanone (I)
U007	79-06-1	2-Propenamide
U084	542-75-6	1-Propene, 1,3-dichloro-
U243	1888-71-7	1-Propene, 1,1,2,3,3,3-hexachloro-
U009	107-13-1	2-Propenenitrile
U152	126-98-7	2-Propenenitrile, 2-methyl-(I,T)
U008	79-10-7	2-Propenoic acid (I)
U113	140-88-5	2-Propenoic acid, ethyl ester (I)
U118	97-63-2	2-Propenoic acid, 2-methyl-, ethyl ester
U162	80-62-6	2-Propenoic acid, 2-methyl-, methyl ester (I,T)
U373	122-42-9	Propham
U411	114-26-1	Propoxur
U387	52888-80-9	Prosulfocarb
U194	107-10-8	n-Propylamine (I,T)
U083	78-87-5	Propylene dichloride
U148	123-33-1	3,6-Pyridazinedione, 1,2-dihydro-
U196	110-86-1	Pyridine Pyridine
Ul91	109-06-8	Pyridine, 2-methyl-

Hazardous	Chemical	
Waste	Abstracts	Substance
No.	No.	
U237	66-75-1	2,4-(IH,3H)-Pyrimidinedione, 5-[bis
		(2-chloroethyl)amino]-
U164	56-04-2	4(1H)-Pyrimidinone, 2,3-dihydro-6-
		methyl-2-thioxo-
U180	930-55-2	Pyrrolidine, l-nitroso-
U200	50-55-5	Reserpine
U201	108-46-3	Resorcinol
U203	94-59-7	Safrole
U204	7783-00-8	Selenious acid
U204	7783-00-8	Selenium dioxide
U205	7488-56-4	Selenium sulfide
U205	7488-56-4	Selenium sulfide SeS <sub>2</sub> (R,T)
U015	79-34-5	L-Serine, diazoacetate (ester)
See F027	115-02-6	Silves (2,4,5-TP)
U206	93-72-1	Streptozotocin
U103	18883-66-4	Sulfuric acid, dimethyl ester
U189	77-78-1	Sulfur phosphide (R)
See F027	1314-80-3	2,4,5-T
U207	93-76-5	1,2,4,5-Tetrachlorobenzene
U208	95-94-3	1,1,1,2-Tetrachloroethane
U209	630-20-6	1,1,2,2-Tetrachloroethane
U210	127-18-4	Tetrachloroethylene
See F027	58-90-2	2,3,4,6-Tetrachlorophenol
U213	109-99-9	Tetrahydrofuran (I)
U214	563-68-8	Thallium(I) acetate
U215	6533-73-9	Thallium(I) carbonate
U216	7791-12-0	Thallium(I) chloride
U216	7791-12-0	Thallium chloride TlCl
U217	10102-45-1	Thallium(I) nitrate
U218	62-55-5	Thioacetamide
U410	59669-26-0	Thiodicarb
U153	74-93-1	Thiomethanol (I,T)
U244	137-26-8	Thioperoxydicarbonic diamide
		[(H <sub>2</sub> N)C(S)]2S2, tetrameth
U409	23564-05-8	Thiophanate-methyl
U219	62-56-6	Thiourea
U244	137-26-8	Thiram
U220	108-88-3	Toluene
U221	25376-45-8	Toluenediamine
U223	26471-62-5	Toluene diisocyanate (R,T)
U328	95-53-4	o-Toluidine
U353	106-49-0	p-Toluidine
U222	636-21-5	o-Toluidine hydrochloride
U389	2303-17-5	Triallate
U011	61-82-5	lH-1,2,4-Triazol-3-amine
U227	79-00-5	1,1,2-Trichloroethane
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Hazardous Waste No.	Chemical Abstracts No.	Substance				
U228	79-01-6	Trichloroethylene				
U121	75-69-4	Trichloromonofluoromethane				
See F027	95-95-4	2,4,5-Trichlorophenol				
See F027	88-06-2	2,4,6-Trichlorophenol				
U404	121-44-8	Triethylamine				
U234	99-35-4	1,3,5-Trinitrobenzene (R,T)				
U182	123-63-7	1,3,5-Trioxane, 2,4,6-trimethyl-				
U235	126-72-7	Tris(2,3-dibromopropyl) phosphate				
U236	72-57-1	Trypan blue				
U237	66-75-1	Uracil mustard				
U176	59-73-9	Urea, N-ethyl-N-nitroso-				
U177	684-93-5	Urea, N-methyl-N-nitroso-				
U043	75-01-4	Vinyl chloride				
U248	<sup>1</sup> 81-81-2	Warfarin, & salts, when present at concentrations of 0.3% or less				
U239	1330-20-7	Xylene (I)				
U200	50-55-5	Yohimban-16-carboxylic acid, 11,17- dimethoxy-18-[(3,4,5-trimethoxy- benzoyl)oxy]-, methyl ester, (3beta, 16beta,17alpha,18beta, 20alpha)-				
U249	1314-84-7	Zinc phosphide, Zn <sub>3</sub> P <sub>2</sub> , when present				
10.00		at concentrations of 10% or less				

<sup>&</sup>lt;sup>1</sup>CAS Number given for parent compound only.

## (5) [Reserved].

## (6) <u>Deletion of Certain Hazardous Waste Codes Following Equipment Cleaning and Replacement.</u>

- (a) Wastes from wood preserving processes at plants that do not resume or initiate use of chlorophenolic preservatives will not meet the listing definition of F032 once the generator has met all of the requirements of 335-14-2-.04(6)(b) and (c). These wastes may, however, continue to meet another hazardous waste listing description or may exhibit one or more of the hazardous waste characteristics.
- (b) Generators must either clean or replace all process equipment that may have come into contact with chlorophenolic formulations or constituents thereof, including, but not limited to, treatment cylinders, sumps, tanks, piping systems, drip pads, fork lifts, and trams, in a manner which minimizes or eliminates the escape of hazardous waste or constituents, leachate, contaminated drippage, or hazardous waste decomposition products to the groundwater, surface water, or atmosphere.

## 1. Generators shall do one of the following:

- (i) Prepare and follow an equipment cleaning plan and clean equipment in accordance with 335-14-2-.04(6);
- (ii) Prepare and follow an equipment replacement plan and replace equipment in accordance with 335-14-2-.04(6); or
- (iii) Document cleaning and replacement in accordance with 335-14-2-.04(6), carried out after termination of use of chlorophenolic preservatives.
  - 2. Cleaning Requirements.
- (i) Prepare and sign a written equipment cleaning plan that describes:
  - (I) The equipment to be cleaned;
  - (II) How the equipment will be cleaned;
  - (III) The solvent to be used in cleaning;
  - (IV) How solvent rinses will be tested; and
  - (V) How cleaning residues will be disposed.
  - (ii) Equipment must be cleaned as follows:
  - (I) Remove all visible residues from process equipment:
- (II) Rinse process equipment with an appropriate solvent until dioxins and dibenzofurans are not detected in the final solvent rinse.
  - (iii) Analytical requirements.
  - (I) Rinses must be tested by using an appropriate method.
- (II) "Not detected" means at or below the following lower method calibration limits (MCLs): The 2,3,7,8-TCDD-based MCL-0.01 parts per trillion (ppt), sample weight of 1000g, IS spiking level of 1 ppt, final extraction volume of 10-50  $\mu$ L. For other congeners multiply the values by 1 for TCDF/PeCDD/PeCDF, by 2.5 for HxCDD/HxCDF/HpCDD/HpCDF, and by 5 for OCDD/OCDF.
- (iv) The generator must manage all residues from the cleaning process as F032 waste.
  - 3. Replacement requirements.
- (i) Prepare and sign a written equipment replacement plan that describes:
  - (I) The equipment to be replaced;

- (II) How the equipment will be replaced; and
- (III) How the equipment will be disposed.
- (ii) The generator must manage the discarded equipment as F032 waste.
  - 4. Documentation requirements.
- (i) Document that previous equipment cleaning and/or replacement was performed in accordance with 335-14-2-.04(6) and occurred after cessation of use of chlorophenolic preservatives.
- (c) The generator must maintain the following records documenting the cleaning and replacement as part of its operating record:
  - 1. The name and address of the generator;
- 2. Formulations previously used and the date on which their use ceased in each process at the plant;
  - Formulations currently used in each process at the plant;
  - 4. The equipment cleaning or replacement plan;
- 5. The name and address of any persons who conducted the cleaning and replacement;
  - 6. The dates on which cleaning and replacement were accomplished;
  - 7. The dates of sampling and testing;
- 8. A description of the sample handling and preparation techniques, including techniques used for extraction, containerization, preservation, and chain-of-custody of the samples;
- 9. A description of the tests performed, the date the tests were performed, and the results of the tests;
- 10. The name and model numbers of the instrument(s) used in performing the tests;
  - 11. QA/QC documentation; and
- 12. The following statement signed by the generator or his authorized representative:

I certify under penalty of law that all process equipment required to be cleaned or replaced under 335-14-2-.04(6) was cleaned or replaced as represented in the

equipment cleaning and replacement plan and accompanying documentation. I am aware that there are significant penalties for providing false information, including the possibility of fine or imprisonment.

(7)	[Reserved].
(8)	[Reserved].
(9)	Exclusion of comparable fuel and syngas fuel.
аресински <del>она-юг-с</del>	Specifications for excluded fuels. Wastes that meet the omparable fuel or syngas fuel under 335-14-204(9)(a) L. or (a)2., e-other requirements of 335-14-204(9), are not solid wastes.
1.	Comparable fuel specifications.
——————————————————————————————————————	Physical specifications.
(I) (11,500-J/g).	Heating value. The heating value must exceed 5,000 Btu/lb.
——————————————————————————————————————	Viscosity. The viscosity must not exceed: 50 cS, as fired.
000 11 2 .01(9) -tite	Constituent specifications. For compounds listed in Table 1 of specification levels and, where non-detect is the specification, detection limits are as listed in Table 1.
	Synthesis gas fuel specification. Synthesis gas fuel (i.e., syngas ed from hazardous waste must:
——————————————————————————————————————	Have a minimum Btu value of 100 Btu/Sef;
——————————————————————————————————————	Contain less than 1 ppmv of total halogen;
nitrogen (N <sub>2</sub> );	Contain less than 300 ppmv of total nitrogen other than diatomic
(iv)	Contain less than 200 ppmv of hydrogen sulfide; and
(v) target list of 335-14	Contain less than 1 ppmv of each hazardous constituent in the 2 Appendix VIII constituents.

TABLE-1: DETECTION AND DETECTION LIMIT VALUES FOR COMPARABLE FUEL SPECIFICATION

				Concen-	
				tration-	Minimum-
		Com-	-	Limit-	Required-
		posite- Value-	Heating- Value-	(mg/kg at	Detection
Chemical-Name	CAS-No.	(mg/kg)	(BTU/Ib)	10,000- BTU/Ib)	Limit-   (mg/kg)
Total-Nitrogen-as-N	NA	9000	18400	4900	(mg/ng)
Total Halogens as Cl	NA	1000	18400	540	1 2 4 1 0
Total-Organic-Halogens-as-Cl	NA	77777		(1-)	
Polychlorinated biphenyls,	1336-36-3	ND		ND	1-4
total [Arocolors, total]			} ''''	1,2	r
Cyanide, total	57 12 5	ND	77777	ND	1.0
Metals:		1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	110
Antimony, total	7440-36-0	ND	*****	12	I
Arsenie, total	7440-38-2	ND	74	0.23	
Barium, total	7440-39-3	ND	<del>,,,,,</del>	23	• • • • •
Beryllium, total	7440-41-7	NĐ	77777	1.2	77777
Cadmium, total	7440-43-9		ND	1.2	13114
Chromium, total	7440-47-3	NĐ	77777	2.3	*****
Cobalt	7440-48-4	ND	*****	4.6	11500
Lead, total	7439-92-1	57	18100	31	7
Manganese	7439-96-5	ND	*****	1,2	14114
Mercury, total	7439-97-6	ND	<del>,,,,,</del>	0.25	*****
Nickel, total	7440-02-0	106	18400	58	4011
Selenium, total	7782 49 2	ND	7777	0.23	* * * * *
Silver, total	7440 22 4	NÐ		2.3	
Thallium, total	7440-28-0	ND	<del>,,,,,</del>	23	72377
Hydrocarbons:				20	
Benzo[a]anthracene	56-55-3	ND	T7777	2400	
Benzene	71-43-2	8000	19600	4100	
Benzo(b)fluoranthene	205-99-2	GW	*****	2400	*****
Benzo[k]fluoranthene	207 08 9	D		2400	*****
Benzo[a]pyrene	50-32-8	ND		2400	
Chrysene	218-01-9	ND	*****	2400	*****
<del>Dibenzo[a,h anthracene</del>	53-70-3	ND	1111	2400	
7,12 Dimethylbenz	57 97 6	ND	*****	2400	*****
[a]anthracene	· -		****		11117
Fluoranthene	206-44-0	<del>Q</del> 4		2400	
Indeno(1,2,3-cd)pyrene	<del>193-39-5</del>	GW		2400	*****
3 Methylcholanthrene	56-49-5	ND		2400	71117
Naphthalene	91-20-3	6200	19400	3200	••••
Toluene	108-88-3	69000	19400	36000	*****
Oxygenates:				55555	*****
Acetophenone	98-86-2	GK		2400	
Acrolein	107-02-8	GW		39	*****
	· · · · · · · · · · · · · · · · · · ·	- 1	*****	<u> </u>	*****

		Com- posite- Value-	Heating- Value-	Concentration- Limit- (mg/kg-at 10,000-	Minimum- Required- Detection Limit-
Chemical-Name	CAS-No.	(mg/kg)	(BTU/1b)	BTU/Ib)	(mg/kg)
Allyl-alcohol	107-18-6	ИÐ	* * * * *	30	
Bis(2-ethylhexyl)—phthalate	117-81-7	NÐ	* * * * b	2400	
Di-2 ethylhexyl phthalate					
Butyl-benzyl-phthalate	85-68-7	HĐ	*****	2400	*****
o-Cresol [2-Methyl-phenol]	95-48-7	GИ	*****	2400	*****
m-Cresol [3-Methyl-phenol]	108-39-4	NÐ	*****	2400	
p-Gresol-[4-Methyl-phenol]	106-44-5	ND	*****	2400	·
Di-n-butyl-phthalate	84-74-2	NĐ	*****	2400	1,,,,,
Diethyl-phthalate	84-66-2	ND	11111	2400	
2,4-Dimethylphenol	105-67-9	NÐ	77777	2400	1775
Dimethyl phthalate	131-11-3	ND	7.1.7	2400	
Di-n-octyl-phthalate	117-84-0	NĐ		2400	*****
<del>Endothall</del>	145 73 3	NĐ	*****	100	
Ethyl-methaerylate	97-63-2	GIA	*****	39	1717.
2 Ethoxyethanol [Ethylene	110-80-5	GH		100	
glycol-monoethyl-ether					,,,,,
Isobutyl alcohol	78-83-1	<del>Q</del> A		39	
Isosafrole	120 58 1	<del>Q</del> A		2400	
Methyl ethyl ketone	78-93-3	GW	*****	39	
[2-Butanone]					
Methyl methacrylate	80-62-6	HD	****	39	
1,4 Naphthoquinone	<del>130 15 4</del>	ND	7-1-1-1-1-1-1	2400	*****
Phenel	<del>108-95-2</del>	ND GW	*****	2400	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Propargyl——alcohol	107-19-7	GH		30	****
[2 Propyn 1 ol]					
Safrole	94 59 7	NĐ	····	2400	
Sulfonated-Organics:					
Carbon disulfide	<del>75-15-0</del>	ND	77111	ND	<del>39</del>
<del>Disulfoton</del>	<del>298-04-4</del>	NÐ	~~~	<del>U</del> M	2400
Ethyl methanesulfonate	<del>62 50 0</del>	<del>G</del> W	<del>,</del>	ND	2400
Methyl methanesulfonate	66-27-3	В	*****	<del>Q</del> W	2400
Phorate	298 02 2	ND	*****	<del>Q</del> W	2400
1,3-Propane sultone	1120-71-4	GK		ФИ	100
Tetraethyldithiopyrophospha	<del>3689-24-5</del>	<del>Q</del> A	<del></del>	ND	2400
te [Sulfotepp]					
Thiophenol [Benzenethiol]	<del>108 98 5</del>	ND		<del>G</del> /4	30
O,O,O Triethyl-	126 68 1	NÐ	*****	ND	2400
phosphorothioate					
Nitrogenated Organies:					
Acetonitrile [Methyl cyanide]	75-05-8	NĐ	*****	NĐ	39
2-Acetylaminofluorene-	53-96-3	NÐ		ND	2400
[2-AAF]					

Chemical-Name	GAS-No.	Com- posite- Value-	Heating- Value-	Goncen- tration- Limit- (mg/kg-at 10,000-	Minimum- Required- Detection- Limit-
Aerylonitrile	·	(mg/kg)	(BTU/lb)	BTU/lb)	(mg/kg)
1-Aminobiphenyl	107-13-1	ND	*****	<u>GM</u>	39
	92-67-1	ND	77777	NĐ	2400
l-Aminopyridine	504-24-5	ND	11544	ND	100
Aniline	62 53 3	HÐ	*****	NÐ	2400
Benzidine	<del>92 87 5</del>	ND	*****	<del>G</del> H	<del>2</del> 4 <del>0</del> 0
Dibenz[a,j acridine	<del>224 42 0</del>	HD GH	7777	ND	2400
D,O Diethyl O pyrazinyl bhosphorothioate Fhionazin]		ND	117.00	HÐ	2400
Dimethoate	60-51-5	HĐ	*****	NĐ	2400
-(Dimethylamino) zobenzene [4-Dime rylaminoazobenzene]	60-11-7	<del>GV</del>	*****	NÐ	<del>2</del> 4 <del>00</del>
3,3' Dimethylbenzidine	119 93 7	GM	<del></del>	NĐ	2400
,7-Dimethylphenethylamine	122 09 8	GH	*****	GA	2400
3'-Dimethoxybenzidine	119-90-4	ND GW	*****	ND	100
3-Dinitrobenzene -Dinitrobenzene	<del>99-65-0</del>	ND	*****	NĐ	2400
<del>,6 Dinitro-o-cresol</del>	<del>534-52-1</del>	ND	77777	ND	2400
4-Dinitrophenol	<del>51-28-5</del>	NĐ	1000	NĐ	2400
4-Dinitrotoluene	121 14 2	NĐ	· · · · · · · · · · · · · · · · · · ·	ND GW	2400
6-Dinitrotoluene	606-20-2	<del>Q</del> A	*****	НD	2400
noseb [2-sec Butyl-4, dinitrophenol]	88-8 <del>5-7</del>	-N-D	****	NÐ	2400
iphenylamine	122 39 4	NĐ	*****	NĐ	2400
hyl carbamate [Urethane]	51 79 6	ND	*****	ND	100
hylenethiourea Imidazolidinethione)	96-45-7	NÐ	11	ФИ	110
amphur	<del>52 85 7</del>	NÐ		СИ	2400
ethacrylonitrile	126-98-7	ND	<del>,,,,</del>	ND	<del>39</del>
ethapyrilene	91-80-5	NĐ	*****	ФИ	2400
ethomyl	16752 77 5	NÐ	*****	<del>Q</del> A	57
Methyllactonitrile, acetone-cyanohydrin	<del>75-86-5</del>	<del>ND</del>	·····	NÐ	100
<del>lethyl-parathion</del>	298-00-0	ND	77777	NĐ	2400
NNG (N-Metyl-N-nitroso- -nitroguanidine)	70-25-7	NĐ	****	NÐ	110
Naphthylamine, [α- Japhthylamine]	134 32 7	NÐ	••••	NÐ	2400
-Naphthylamine, [β- Naphthylamine]	91 59 8	ND	*****	ND	2400

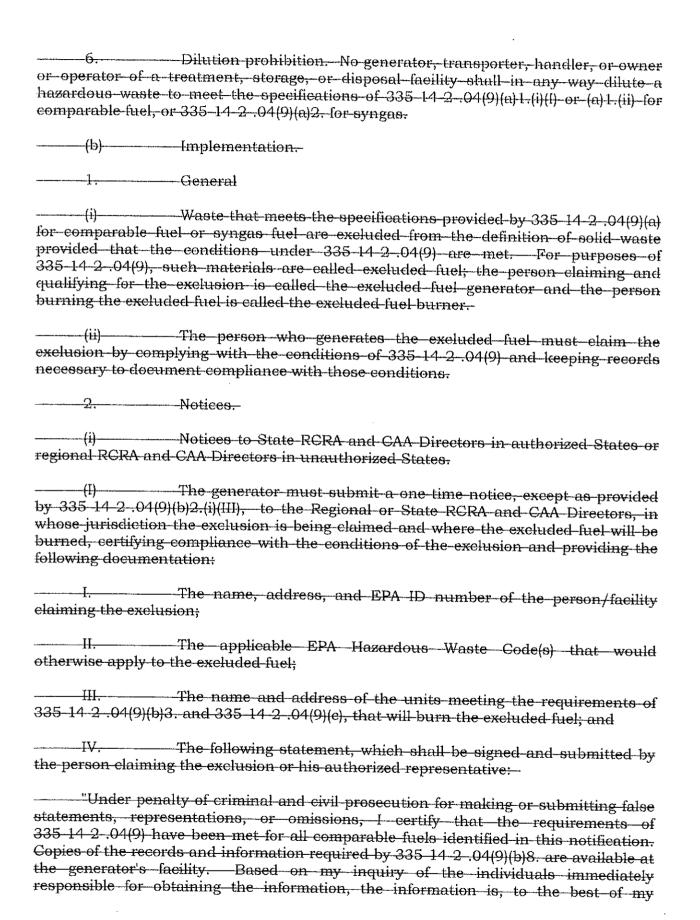
Chemical Name	CA CLAY.	Com- posite- Value-	Heating- Value-	tration- Limit- (mg/kg-at 10,000-	Minimum- Required- Detection Limit-
Nicotine	GAS-No.	(mg/kg)	(BTU/1b)	BTU/lb)	(mg/kg)
4-Nitroaniline,	54-11-5	ND	******	HD	-1-00
<del>  Nitroaniline </del>	100-01-6	HD	<del></del>	<del>G</del> A	2400
Nitrobenzene	00.05.0	12.72			
p-Nitrophenol,	98-95-3	HD	17772	ND	2400
p-Nitrophenol	100-02-7	NÐ	*****	CI4	2400
5-Nitro-o-toluidine	00 55 0	*			
N-Nitrosodi-n-butylamine	99-55-8	ND	77777	AH.	2400
N-Nitrosodiethylamine	924-16-3	HD	*****	NÐ	2400
N-Nitrosodiphenylamine,	55-18-5	ND	*****	ND	2400
Diphenylnitrosamine	86-30-6	HD GW	*****	GH	2400
N Nitroso-N-methylethylami	10505 05	7.17%	<u> </u>		
не постоя не при на пр	10595-95- 6	HD	FITT	NÐ	<del>2400</del>
V-Nitrosomorpholine	59-89-2	NITS			
V-Nitrosopiperidine	100-75-4	ND	77777	ND	2400
N-Nitrosopyrrolidine		ND GW	77777	NĐ	2400
2-Nitropropane	930-55-2	ND		ND	2400
Parathion	79-46-9	ND	77777	ND	2400
Phenacetin	56-38-2	ND	*****	HD	<del>2400</del>
1,4 Phenylene diamine.	62-44-2	ND	*****	<u>G</u> W	<del>2400</del>
p-Phenylenediamine	106 50 3	ND	17777	HD	2400
V-Phenylthiourea	103-85-5	ATIO	 		
2 Picoline [alpha-Picoline]	109-06-8	ND	77777	GW	57
Propylthioracil,	51 52 5	ND	77.77	NÐ	2400
6 Propyl 2 thiouracil	<del>01 021 0</del>	ND	<del></del>	N <del>D</del>	100
Pyridine	110-86-1	NES			
Jimilo	11 <del>00</del> 0-1	HD	*****	ФИ	2400470
Strychnine	<del>57 24 9</del>	ND		775	0
<del>Thioacetamide</del>	62 55 5	ND	74711	ND ND	100
hiofanox	39196-18	ND	*****	ND	57
	4	<del>1715)</del>	*****	GH	100
<del>'hiourea</del>	62-56-6	ND		NII	
Coluene 2,4 diamine	95-80-7	HTD CHA	*****	HD	57
2,1 Diaminotoluenel	70.00-1-	1477	*****	<del>GM</del>	57
Coluene-2,6-diamine-	823-40-5	ND GW		NID	pro proy
2,6-Diaminotoluenel	OZO TOO	I'ME	77777	HD	57
- Toluidine	95-53-4	ND		NID	0400
Toluidine	106 49 0	ND	*****	ND	2400
,3,5 Trinitrobenzene,	99-35-4	ND	7.7.7		100
sym Trinitobenzenel	75-00-1	יכודו	<del></del>	ND	<del>2400</del>
Ialogenated Organic:					
Allyl chloride	107-05-1	GR		ND	39

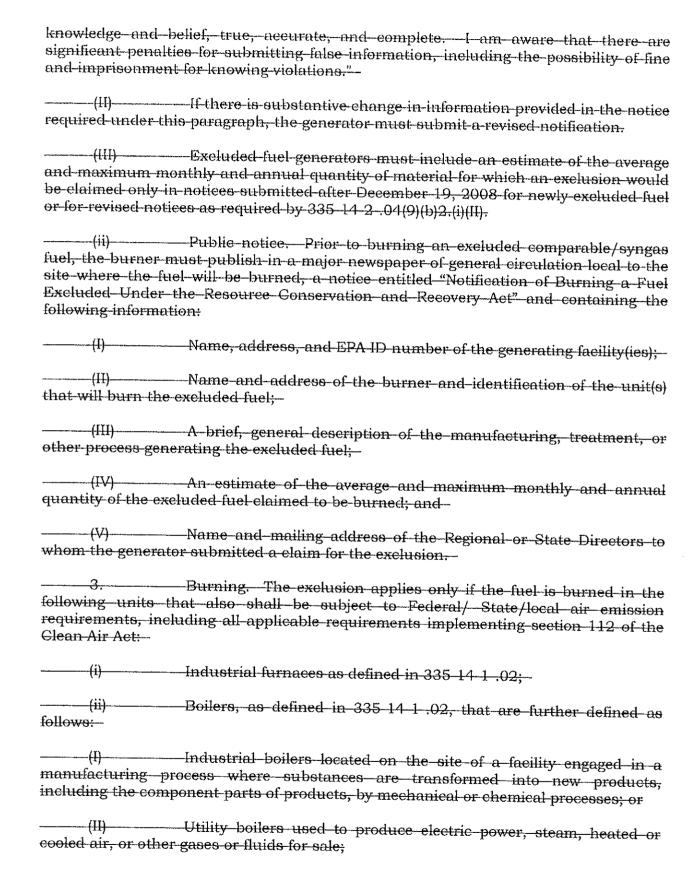
		Com- posite- Value-	Heating Value-	Concen- tration- Limit- (mg/kg-at 10,000-	Minimum- Required- Detection- Limit-
Chemical-Name	CAS-No-	(mg/kg)	(BTU/lb)	BTU/lb)	(mg/kg)
Aramite	140 57 8	ND		ФИ	2400
Benzal——ehleride	98-87-3	AD.		ND	100
[Dichloromethyl-benzene]					
Benzyl-chloride	100-44-77	NĐ	*****	ND	100
bis(2-Ghloroethyl)ether	111 44 4	GIA	770.7	GK.	2400
[Dichoroethyl-ether]					12.00
Bromoform-	75 25 2	ND		NÐ	39
[Tribromomethane]					
Bromomethane Methyl	74-83-9	ND	*****	<del>G</del> H	39
bromide}				112	
4-Bromophenyl-phenyl-ether	101-55-3	ND		NĐ	2400
[p-Bromo-diphenyl-ether]			''''	T.B	2700
Carbon-tetrachloride	56-23-5	D		NĐ	39
Chlordane	57-74-9	ND	777	ND	14
p-Chloroaniline	106-47-8	ND		ND	2400
Chlorobenzene	108-90-7	ND		ND	39
Chlorobenzilate	510-15-6	ND		MD	
p-Chloro-m-cresol	<del>59-50-7</del>	ND		ND	2400
2-Chloroethyl vinyl ether	110 75 8	HD GR			2400
Chloroform	67-66-3	ND	117.7	ND	<del>39</del>
Chloromethane   Methyl	74-87-3	ND	70000	ND	<del>39</del>
chloridel	7 1 07 0	11112	*****	₩ <del>D</del>	<del>39</del>
2 Chloronaphthalene	91-58-7	ND		ATT	0.400
	71 00 7	1457	*****	₩Đ	<del>2400</del>
2 Chlorophenol	95 57 8	<del>Q</del> A		NID	0.100
[o-Chlorophenol]	90 01 0	1713	*****	HĐ	<del>2400</del>
Chloroprene  2 Chloro 1,	1126-99-8	ND		BIE	
3-butadiene	1120 00	1412	*****	NĐ	39
2,4 D [2,4	94 75 7	NĐ		NIT	7.0
Diehlorophenoxyacetic acid	<del>5110-1</del>	1415	<del></del>	ND	7.0
Diallate	2303-16-4	NĐ		NID	2400
1,2-Dibromo-3-chloropropan	96-12-8	ND	71 4 6 4	ND	3400
e	20 12 0	171.7	*****	ND GW	<del>30</del>
1,2 Dichlorobenzene	95-50-1	NĐ		NID	0400
[o Dichlorobenzene]	J <del>o oo r</del>	יבואו	*****	ND	2400
1,3-Dichlorobenzene-	541-73-1	ND		NID	0.400
Im Dichlorobenzenel	OII IOI	1112	****	<del>Q</del> H	<del>2400</del>
1,4 Dichlorobenzene	106 46 7	ND		NID	0.400
[p-Dichlorobenzene]	100-10-1	TYD	*****	NĐ	2400
3,3' Dichlorobenzidine	91-94-1	ND		ND	0.400
v, v vicino oborization			••••	ND	<del>2400</del>
Dichlorodifluoromethane	<del>75 71 8</del>	U GH	*****	ND CIN	<del>39</del>

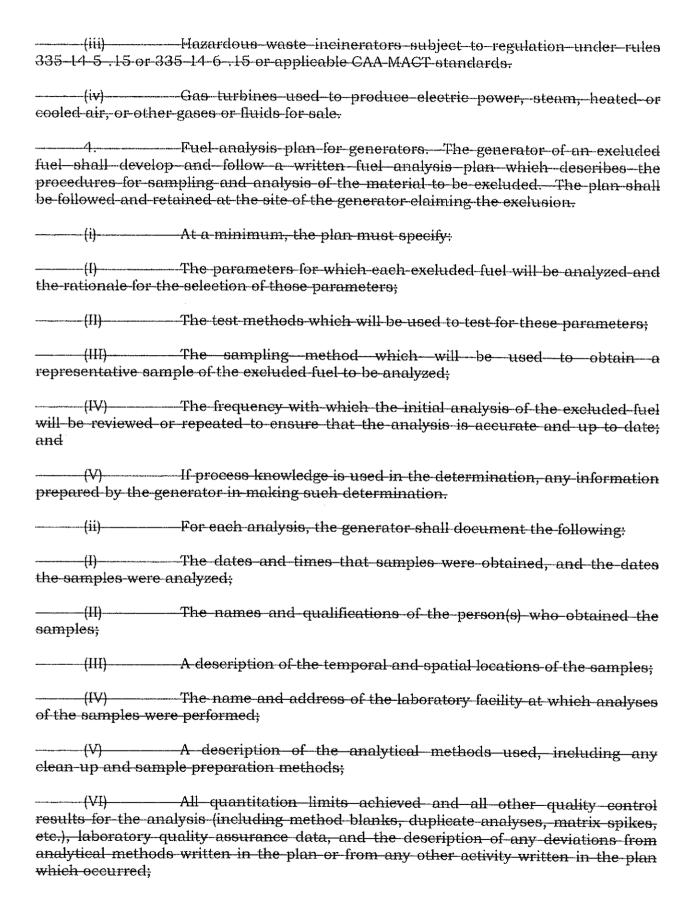
Chemical-Name	CAS-No.	Com- posite- Value- (mg/kg)	Heating- Value- (BTU/lb)	Concentration- Limit- (mg/kg-at 10,000- BTU/lb)	Minimum- Required- Detection- Limit-
1,2-Dichloroethane-	107-06-2	ND GW		ND	(mg/kg)   39
[Ethylene-dichloride]			''''	1772	99
1,1-Diehloroethylene-	75-35-4	HD		ND	39
[Vinylidene-chloride]				145	99
Diehleremethoxy ethene	111 91 1	NĐ	<del></del>	NĐ	2400
[Bis(2-chloroethoxy)methane	]	-,	] *****	1112	2700
2,4-Dichlorophenol	120-83-2	NĐ		ND	2400
2,6-Diehlorophenol	87-65-0	NĐ	7,777	NĐ	2400
1,2 Dichloropropane	78 87 5	ND		NĐ GK	39
[Propylene dichloride]				IND.	99
eis-1,3-Dichloropropylene	<del>10061-01-</del> 5	МÐ	*****	NĐ	39
trans 1,3 Dichloropropylene	10061-02 6	NÐ	••••	NÐ	39
1,3-Dichloro-2-propanol	<del>96-23-1</del>	GW		ND GK	<del>30</del>
Endosulfan-I	959 98 8	GW.		ND CIM	1.4
Endosulfan II	33213-65- 9	NĐ	7777	HĐ	1.4
Endrin	<del>72 20 8</del>	MD CIM	****	NĐ	1.4
Endrin aldehyde	7421-93-4	N <del>D</del>	1777	ND	1-4
Endrin-Ketone	53494-70- 5	₩Đ	****	МÐ	1.4
Epiehlorohydrin- [1-Chloro 2,3-epoxy- propane]	106-89-8	ND	*****	ND	30
Ethylidene dichloride [1,1 Dichloroethane]	75 34 3	<del>U</del>	****	NÐ	39
2 Fluoroacetamide	640-19-7	<del>G</del> W		NĐ	100
Heptachlor	76-44-8	ND	*****	ND GW	1.4
Heptachlor epoxide	1024-57-3	<del>Q</del> A		ND	2.8
Hexachlorobenzene	<del>118-74-1</del>	· <del>C</del> M	*****	HD	2400
Hexachloro-1,3-butadiene [Hexachlorobutadiene]	87-68-3	NÐ	73344	NĐ	2400
<del>Hexachlorocyclopentadiene</del>	77-47-4	NĐ		ND	2400
<del>Hexachloroethane</del>	67-72-1	GW		ND	2400
Hexachlorophene	70-30-4	<del>Q</del> K		ND	59000
Hexachloropropene Hexachloropropylene	1888 71 7	HD		NĐ	2400
Isodrin	465 73 6	HD		ND	0400
Kepone  Chlordecone	143 50 0	ND			<del>2400</del>
Lindane   gamma BHC	58-89-9	ND GK			4700
gamma		. 11-0	••••	NÐ	1.4

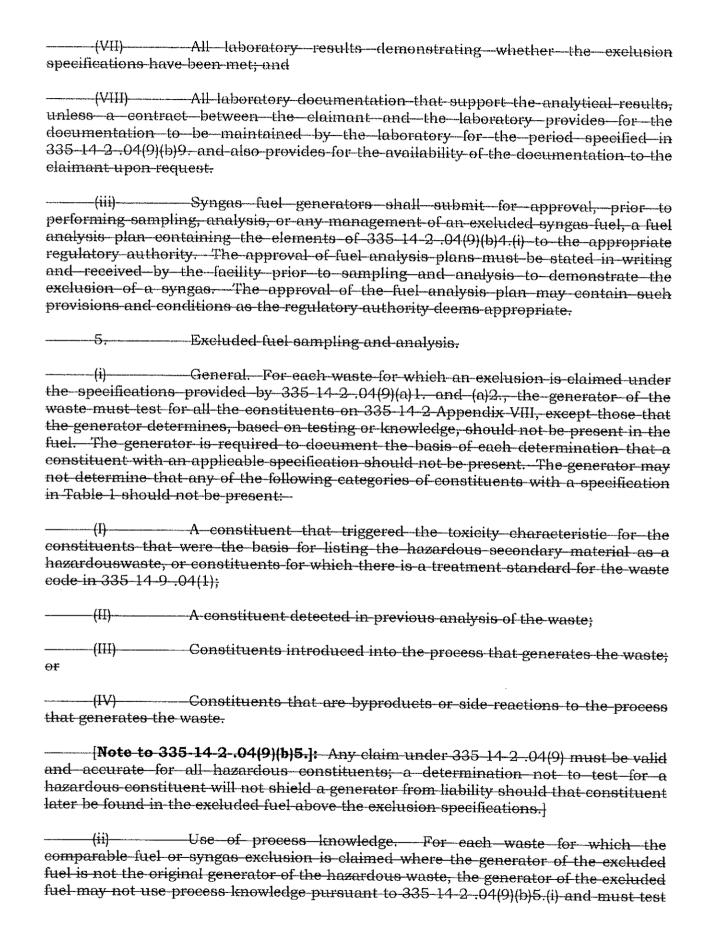
		Com- posite- Value-	Heating- Value-	Concen- tration- Limit- (mg/kg-at 10,000-	Minimum- Required- Detection- Limit-
Chemical-Name	CAS-No.	(mg/-kg)	(BTU/lb)	BTU/4b)	(mg/kg)
Hexachlorocyclohexane	**************************************				
Methylene chloride [Dichloromethane]	75-09-2	AD	*****	₩Đ	3 <del>9</del>
4,4' Methylene-bis(2-ehloroa niline)	101-14-4	GИ	* * * * *	NÐ	100
Methyl-iodide [Iodomethane]	74-88-4	NĐ	***************************************	NĐ	39
Pentachlorobenzene	608-93-5	NĐ	*****	NĐ	2400
Pentachloroethane	76-01-7	NÐ	7	ФИ	39
Pentachloronitrobenzene- [PCNB]———[Quintobenzene] [Quintozene]	82-68-8	NÐ	·····	NÐ	2400
Pentachlorophenol	87-86-5	ND		NÐ	2400
Pronamide	<del>23950-58-</del> 5	NĐ	(1)))	ND	2400
Silvex [2,4,5 Trichloro- phenoxypropionic acid]	93-72-1	<del>CI</del> /A	*****	HD	7.0
2,3,7,8 Tetrachlorodibenzo p -dioxin [2,3,7,8- -TCDDI	1746-01-6	NÐ	*****	NĐ	30
1,2,4,5-Tetrachlorobenzene	95-94-3	NĐ		NĐ	0400
1,1,2,2-Tetrachloroethane	79-34-5	ND	*****	ND	<del>2400</del> <del>39</del>
Tetrachloroethylene-	<del>127-18-4</del>	NĐ	*****	NĐ	<del>39</del>
Perchloroethylene	1.227 1.0 1	TYE	****	1712	1 27
2,3,4,6 Tetrachlorophenol	58-90-2	ND		NĐ	2400
1,2,4 Trichlorobenzene	120-82-1	ND	*****	ND	2400
1,1,1 Trichloroethane [Methyl chloroform]	71-55-6	ND		ND	39
1,1,2 Trichloroethane [Vinyl trichloride]	79-00-5	HĐ	1 2 2 4	<del>Q</del> W	<del>39</del>
Trichloroethylene	79-01-6	NÐ	1	ND	39
Trichlorofluoromethane [Trichlormonofluoromethane]	<del>75</del> -69-4	NĐ		NĐ	39
2,4,5 Trichlorophenol	95-95-4	NĐ	<del> </del>	N <del>D</del>	2400
2,4,6 Trichlorophenol	88-06-2	ND	1		2400
	96-18-4	ND GW	11111	ND	<del>2400</del>
1,2,3 Trichloropropane Vinyl Chloride	75 01 4	ND	1,,,,,	ND	<del>39</del>
Notes:	170017	THE	*****	ND	39

———(i)——— specification-ur	—— Hazardous waste shall not be blended to meet the comparable fuel ader 335-14-204(9)(a)1., except as provided by 335-14-204(9)(a)3.(ii):
———(ii)——— blended to mee	——Blending to meet the viscosity specification. A hazardous waste t-the viscosity specification for comparable fuel-shall:
processing,	—— As generated and prior to any blending, manipulation, or neet—the—constituent—and—heating—value—specifications—of (a) 1 (i) (I) and (a) 1 (ii);
requirements of	Be blended at a facility that is subject to the applicable 335-14-5, 335-14-6, and 335-14-303(5); and
——————————————————————————————————————	Not violate the dilution prohibition of 335-14-204(9)(a)6.
A,	Treatment to meet the comparable fuel specifications.
———(i)————eomparable fue	— A hazardous waste may be treated to meet the specifications for l-set forth in 335-14-204(9)(a)1. provided the treatment:
raises the heamaterials;	Destroys or removes the constituents listed in the specification or ting value by removing or destroying hazardous constituents or
requirements of	Is performed at a facility that is subject to the applicable 335-14-5, 335-14-6, and 335-14-303(5); and
——————————————————————————————————————	Does not violate the dilution prohibition of 335-14-2.04(9)(a)6.
——————————————————————————————————————	Residuals resulting from the treatment of a hazardous waste listed to generate a comparable fuel remain a hazardous waste.
<del>5,</del>	Generation of a syngas fuel.
wastes to mee processing:	A syngas fuel can be generated from the processing of hazardous to the exclusion specifications of 335-14-2,04(9)(a)2, provided the
(I)	Destroys or removes the constituents listed in the specification or ng value by removing or destroying constituents or materials;
requirements of	Is performed at a facility that is subject to the applicable 335-14-5, 335-14-6, and 335-14-303(5) or is an exempt recycling 335-14-201(6)(e); and
——————————————————————————————————————	Does not violate the dilution prohibition of 335-14-204(9)(a)6.
<del>(ii)</del> in 335-14-2-,04	Residuals resulting from the treatment of a hazardous waste listed to generate a syngas fuel remain a hazardous waste.



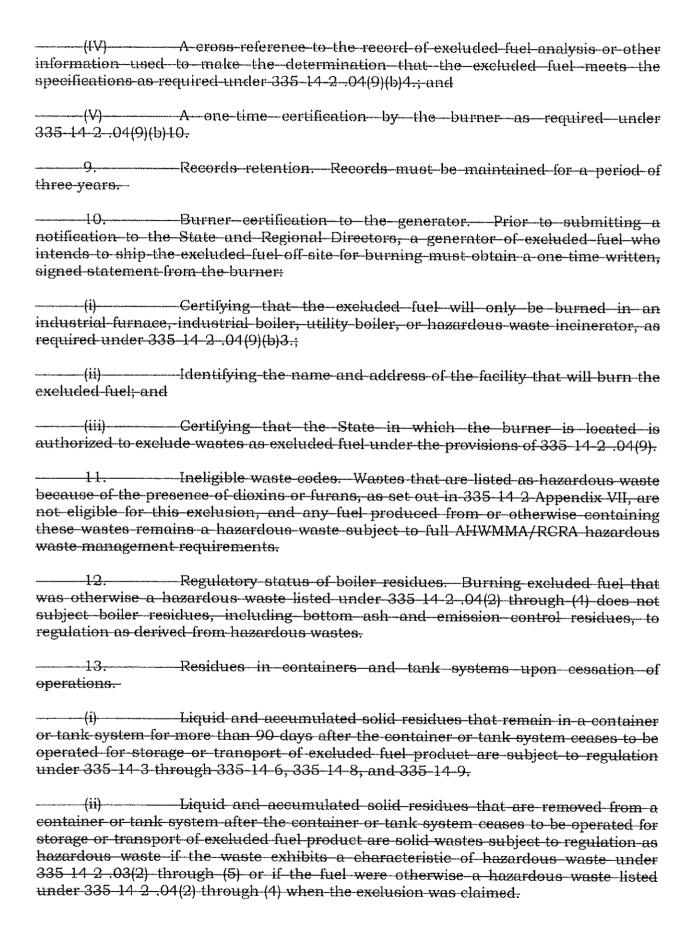


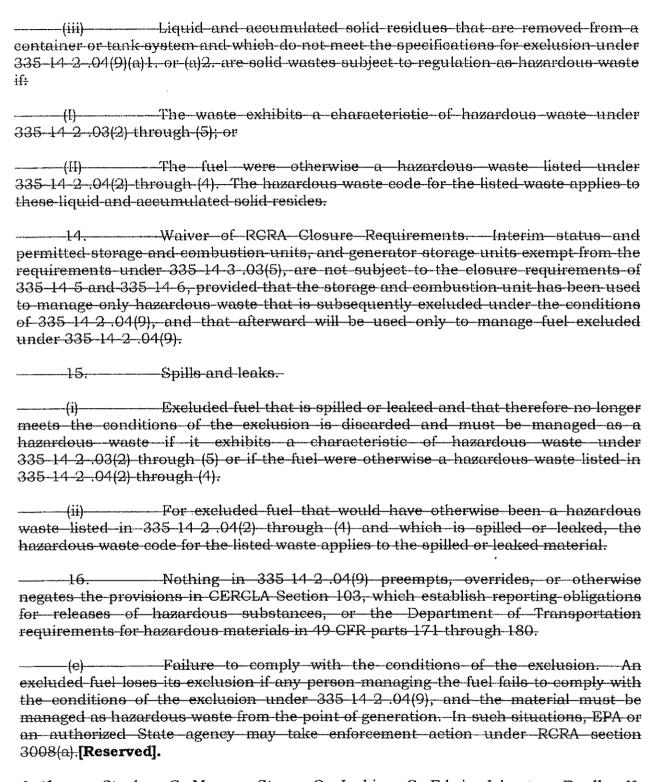




to determine that all of the constituent specifications of $335-14-2.04(9)(a)1$ . and $(a)2$ , as applicable, have been met.
(iii) The excluded fuel generator may use any reliable analytica method to demonstrate that no constituent of concern is present at concentration above the specification levels. It is the responsibility of the generator to ensure that the sampling and analysis are unbiased, precise, and representative of the excluded fuel. For the fuel to be eligible for exclusion, a generator must demonstrate that:
——————————————————————————————————————
at or below the specification level.
(iv) Nothing in 335-14-2.04(9) preempts, overrides or otherwise negates the provision in 335-14-3.01(2), which requires any person who generates esolid waste to determine if that waste is a hazardous waste.
——————————————————————————————————————
——————————————————————————————————————
(vii) Viscosity condition for comparable fuel.
(I) Excluded comparable fuel that has not been blended to meet the kinematic viscosity specifications shall be analyzed as generated.
(II) If hazardous waste is blended to meet the kinematic viscosity specifications for comparable fuel, the generator shall:
I. Analyze the hazardous waste as generated to ensure that it meets the constituent and heating value specifications of 335-14-2-04(9)(a)1.; and
—— II. — After blending, analyze the fuel again to ensure that the blended fuel meets all comparable fuel specifications.
(viii) Excluded fuel must be re tested, at a minimum, annually and must be retested after a process change that could change its chemical or physical properties in a manner that may affect conformance with the specifications.
6. (Reserved)
7. Speculative accumulation. Excluded fuel must not be accumulated speculatively, as defined in 335-14-1-02.

8. Operating record. The generator must maintain an operating record on site containing the following information:
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(ii) A brief-description of the process that generated the excluded fuel. If the comparable fuel generator is not the generator of the original hazardous waste, provide a brief description of the process that generated the hazardous waste;
——————————————————————————————————————
——————————————————————————————————————
(v) The results of all analyses and all detection limits achieved as required under 335-14-204(9)(b)4.;
——————————————————————————————————————
(vii) If the excluded fuel is to be shipped off site, a certification from the burner as required under 335-14-2.04(9)(b)10.;
——————————————————————————————————————
(ix) If the generator ships excluded fuel off site for burning, the generator must retain for each shipment the following information on site:
(I) The name and address of the facility receiving the excluded fuel for burning;
(II) The quantity of excluded fuel shipped and delivered;
——————————————————————————————————————





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**Statutory Authority:** Code of Alabama 1975, §§ 22-30-10, 22-30-11.

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