



## Instructions - Land Disposal Restrictions (LDR) Notification and Certification Form

**Note:** LDR forms are required with all hazardous waste shipments. LDR forms are also required with non-hazardous waste shipments that were hazardous as generated but rendered non-hazardous by pretreatment.

The DuPont Chambers Works Wastewater Treatment Plant (WWTP) is regulated under the Clean Water Act.

1. Provide the following information:
  - Generator's EPA ID Number. Enter the 12-character alpha-numeric descriptor issued by the U.S. EPA to the facility generating the waste.
  - Hazardous Waste Manifest Number. Enter the manifest number from the Hazardous Waste Manifest accompanying the waste shipment.
  - Generator. Enter the name of the waste generating facility.
  - Generator's Address. Enter the site location of the generating facility.
  - Manifest Page Number/Line Letter (for drummed aqueous waste only). Enter the manifest page number and line letter.
2. Indicate if waste analysis information is attached or is not available.
3. TABLE A

### **U.S. EPA Hazardous Waste Codes**

- Check (if applicable) the characteristic U.S. EPA hazardous waste codes that apply to this waste.

### **Wastewater or Non-wastewater**

- For each waste code checked, use the definitions below to identify whether the waste is a wastewater or non-wastewater

**Wastewater.** Any waste that contains <1% TOC and <1% TSS.

**Non-wastewater.** Any waste that does not meet the definition of wastewater.

### **How Must the Waste Be Managed?**

- For each waste code checked, indicate how the waste must be managed. Using the six descriptions that follow, write the letter (A, B, C, D, E, F) of the description that corresponds to the status of the waste under 40 CFR 268.7.
  - A. The waste requires treatment before land disposal [40 CFR 268.7(a)(2)].
  - B. The waste meets the applicable standards specified in 40 CFR Part 268 subpart D at the original point of generation [40 CFR 268.7(a)(3)].
  - C. The waste is newly identified or newly listed.
  - D. The waste is exempt from the Land Disposal Restrictions. Indicate the reason, and enter the date on which the waste will be subject to prohibitions [40 CFR 268.7(a)(4)].



- E. The waste has been pretreated on-site to remove the hazardous characteristic and requires treatment of underlying hazardous constituents [40 CFR 268.7 (b)(4)(iv)]. It is not necessary to notify the WWTP as to which underlying hazardous constituents are present in the waste because the WWTP is regulated under the Clean Water Act and treats and monitors all constituents.
  - F. The waste has been pretreated on-site to remove the hazardous characteristic and to treat underlying hazardous constituents to levels in 40 CFR 268.48 Universal Treatment Standards [40 CFR 268.7(b)(4)(v)].
4. TABLE B

**U.S. EPA Hazardous Waste Code**

Identify all additional characteristic, listed, newly identified, and newly listed U.S. EPA hazardous waste codes that apply.

(Note: Use Attachment I if more room is needed to list all applicable waste codes.) For each waste code, complete the following:

**Subcategory**

- Identify the corresponding subcategory either by writing in the subcategory description or by checking "None."

**Wastewater or Non-wastewater**

- Indicate whether the waste is a wastewater or non-wastewater. (Refer to the instructions for TABLE A above.)

**How Must the Waste Be Managed?**

- Indicate how the waste must be managed. (Refer to instructions for TABLE A on Page I of instructions.)
5. If this waste is a spent solvent (F001-F005), you MUST include Attachment II, Treatment Standards for F001-F005 Spent Solvents. Mark the box beside the appropriate code(s) that apply to the waste. You are not required to mark individual constituents present in the waste because the WWTP is regulated under the Clean Water Act and treats and monitors all constituents.
6. If the waste is a multisource leachate (F039), you may include Attachment III, Treatment Standards for F039 Multisource Leachate Wastes. You are not required to include the attachment or to mark individual constituents present in the waste because the WWTP is regulated under the Clean Water Act and treats and monitors all constituents.
7. If this waste is characteristically hazardous, you may include Attachment IV, Universal Treatment Standards. You may also include Attachment IV for non-hazardous waste, which was characteristically hazardous as generated but rendered non-hazardous by pretreatment. You are not required to include the attachment or to mark individual constituents present in the waste because the WWTP is regulated under the Clean Water Act and treats and monitors all constituents.

**CERTIFICATION:** An authorized employee or agent (authorized in writing) of the generator must sign and date the completed Land Disposal Restrictions Notification and Certification Form. A current signature and date are required with each shipment.



**Notification and Certification Form**

OW/DW No. _____
Release No. _____

*(Please fill in)*

**Chambers Works Wastewater Treatment Facility Land Disposal Restrictions**

1. Generator's EPA ID No. \_\_\_\_\_ Hazardous Waste Manifest No. \_\_\_\_\_  
 Generator \_\_\_\_\_  
 Generator's Address \_\_\_\_\_ Manifest Page No./Line Letter \_\_\_\_\_  
 \_\_\_\_\_ (for drummed aqueous waste only)  
 \_\_\_\_\_

Note: The DuPont Chambers Works Wastewater Treatment Plant (WWTP) is regulated under the Clean Water Act.

2. Is waste analysis information attached?      Yes                      Not available
3. In Table A, check (if applicable) the characteristic U.S. EPA hazardous waste codes that apply to this waste. For each waste code checked, identify whether the waste is a wastewater or non-wastewater, and indicate how the waste must be managed based on the options found on page 2.

**TABLE A**

Check Waste Code	U. S. EPA Hazardous Waste Code	Subcategory	Waste-water*	Non-Waste-water	How must the waste be managed?
			<i>(Check only one)</i>		<i>(Enter the letter from page 2)</i>
	D001	Low TOC (<10% TOC)	NA		
	D001	High TOC (>=10% TOC)			
	D001	Oxidizer			
	D002	Acid (pH <=2.0)			
	D002	Alkaline (pH >=12.5)			
	D002	Other Corrosives			
	D003	Reactive Sulfides			
	D003	Water Reactive			
	D003	Other Reactives			
	D004	Arsenic			
	D005	Barium	NA	NA	
	D006	Cadmium			
	D007	Chromium			
	D008	Lead			
	D009	Mercury			
	D009	Low Mercury, <260 mg/kg Hg			
	D010	Selenium			
	D011	Silver			

\*Wastewaters contain <1% TOC and <1% TSS



## Chambers Works Wastewater Treatment Facility Land Disposal Restrictions (cont.)

4. In Table B, identify all additional characteristic, listed, newly identified, and newly listed U.S. EPA hazardous waste codes that apply to this waste. For each waste code, identify the subcategory, indicate whether the waste is a wastewater or non-wastewater, and indicate how the waste must be managed, based on the options below.

**TABLE B**

U.S. EPA HAZARDOUS WASTE CODE(S) Per 40 CFR 261	SUBCATEGORY		Waste-water	Non-waste-water	HOW MUST THE WASTE BE MANAGED? Enter the letter from options below*
	Description	None	(Check only one)		

5. If this waste is a spent solvent (F001-F005), you MUST include Attachment II, Treatment Standards for F001-F005 Spent Solvents.
6. If this waste is a multisource leachate (F039), you may include Attachment III, Treatment Standards for F039 Multisource Leachate Wastes.
7. If this waste is characteristically hazardous, you may include Attachment IV, Universal Treatment Standards. You may also include Attachment IV for non-hazardous waste which was characteristically hazardous as generated but rendered non-hazardous by pretreatment.

**\*HOW MUST THE WASTE BE MANAGED?** (Choose from the following options to complete Tables A and B.)

- A. Restricted waste requires treatment [40 CFR 268.7(a)(2)].
- B. Restricted waste meets applicable treatment standards.  
**GENERATOR'S CERTIFICATION (40 CFR 268.7(a)(3)(i))**  
 I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.
- C. Waste is newly listed or newly identified.
- D. Restricted waste is exempt from the Land Disposal Restrictions. Check the reason below and write in the date the waste is subject to prohibitions [40 CFR 268.7(a)(4)].  
 The waste has been granted a Site-Specific Variance. \_\_\_\_\_  
 The waste has been given a Case-by-Case Extension. \_\_\_\_\_  
 The waste is subject to a National Capacity Variance. \_\_\_\_\_
- E. Restricted waste has been pretreated to remove the hazardous characteristic and requires treatment of underlying hazardous constituents.  
**CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(4)(iv)]**  
 I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- F. Restricted waste has been pretreated on-site to remove the hazardous characteristic and to treat underlying hazardous constituents to levels in 40 CFR 268.48 Universal Treatment Standards.  
**CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(4)(v)]**  
 I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in § 268.2(i), have been treated on-site to meet the §268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

<b>CERTIFICATION</b>		
I certify that, to the best of my knowledge, the information provided in this document is true, accurate, and complete.		
_____	_____	_____
Authorized Signature	Title	Date





**Attachment II**

**Treatment Standards for F001-F005 Spent Solvents**

Instructions: **Mark** the box beside the appropriate code(s) included in the shipment. **Mark** the individual constituents present in the waste.\*

\*You are not required to mark the individual constituents present in the waste because the DuPont Wastewater Treatment Plant (WWTP) is regulated under the Clean Water Act and treats and monitors all constituents.

Hazardous Waste Description	Constituents of Concern	Wastewater Total Composition (mg/L)	Nonwastewater Total Composition (mg/kg)
<input type="checkbox"/> F001-F005 Solvent Wastes (Contains any combination of one or more of these spent solvents)	Acetone	0.28	160
	Benzene	0.14	10
	n-Butyl alcohol	5.6	2.6
	Carbon disulfide	3.8	NA
	Carbon tetrachloride	0.057	6.0
	Chlorobenzene	0.057	6.0
	o-Cresol	0.11	5.6
	m-Cresol	0.77	5.6
	p-Cresol	0.77	5.6
	Cresols-mixed isomers (Cresylic acid)	0.88	11.2
	Cyclohexanone	0.36	NA
	o-Dichlorobenzene	0.088	6.0
	Ethyl acetate	0.34	33
	Ethyl benzene	0.057	10
	Ethyl ether	0.12	160
	Isobutanol	5.6	170
	Methanol	5.6	NA
	Methylene chloride	0.089	30
	Methyl ethyl ketone	0.28	36
	Methyl isobutyl ketone	0.14	33
	Nitrobenzene	0.068	14
	Pyridine	0.014	16
	Tetrachloroethylene	0.056	6.0
	Toluene	0.080	10
1,1,1-Trichloroethane	0.054	6.0	
1,1,2-Trichloroethane	0.054	6.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.057	30	
Trichloroethylene	0.054	6.0	
Trichloromonofluoromethane	0.020	30	
Xylenes-mixed isomers	0.32	30	
<input type="checkbox"/> F003 and/or F005 Solvent Wastes (Contains <u>only</u> one or more of these as F001-F005 solvents)	Carbon disulfide	3.8	4.8 mg/L [TCLP]
	Cyclohexanone	0.36	0.75 mg/L [TCLP]
	Methanol	5.6	0.75 mg/L [TCLP]
<input type="checkbox"/> F005 Solvent Wastes (Contains <u>only</u> one of these as sole F001-F005 solvent)	2-Nitropropane	(WETOX or CHOXD) <sup>fb</sup>	CMBST
	2-Ethoxyethanol	CARBN; or BIODG; or CMBST	CMBST



### Attachment III

#### Treatment Standards for F039 Multisource Leachate Wastes

Instructions: **Mark** the constituents present in the wastes.\*

\*You are not required to include this attachment or to mark the constituents present in the waste because the DuPont Wastewater Treatment Plant (WWTP) is regulated under the Clean Water Act and treats and monitors all constituents.

Constituents Of Concern	Total WW (mg/L)	Composition Non-WW (mg/kg)	Constituents Of Concern	Total WW (mg/L)	Composition Non-WW (mg/kg)
Acenaphthylene	0.059	3.4	bis(2-Chloroethyl) ether	0.033	6.0
Acenaphthene	0.059	3.4	Chloroform	0.046	6.0
Acetone	0.28	160	bis(2-Chloroisopropyl) ether	0.055	7.2
Acetonitrile	5.6	38	p-Chloro-m-cresol	0.018	14
Acetophenone	0.010	9.7	Chloromethane (Methyl chloride)	0.19	30
2-Acetylaminofluorene	0.059	140	2-Chloronaphthalene	0.055	5.6
Acrolein	0.29	NA	2-Chlorophenol	0.044	5.7
Acrylonitrile	0.24	84	3-Chloropropylene	0.036	30
Aldrin	0.021	0.066	Chrysene	0.059	3.4
4-Aminobiphenyl	0.13	NA	p-Cresidine	0.010	0.66
Aniline	0.81	14	o-Cresol	0.11	5.6
o-Anisidine (2-Methoxyaniline)	0.010	0.66	m-Cresol	0.77	5.6
Anthracene	0.059	3.4	p-Cresol	0.77	5.6
Aramite	0.36	NA	Cyclohexanone	0.36	0.75 mg/L
alpha-BHC	0.00014	0.066			[TCLP]
beta-BHC	0.00014	0.066	1,2-Dibromo-3-chloropropane	0.11	15
delta-BHC	0.023	0.066	Ethylene dibromide (1,2-Dibromoethane)	0.028	15
gamma-BHC	0.0017	0.066	Dibromomethane	0.11	15
Benzene	0.14	10	2,4-D (2,4-Dichlorophenoxyacetic acid)	0.72	10
Benz(a)anthracene	0.059	3.4	o,p'-DDD	0.023	0.087
Benzo(b)-fluoranthene	0.11	6.8	p,p'-DDD	0.023	0.087
Benzo(k)-fluoranthene	0.11	6.8	o,p'-DDE	0.031	0.087
Benzo(g,h,i)-perylene	0.0055	1.8	p,p'-DDE	0.031	0.087
Benzo(a)pyrene	0.061	3.4	o,p'-DDT	0.0039	0.087
Bromodichloromethane	0.35	15	p,p'-DDT	0.0039	0.087
Methyl bromide (Bromomethane)	0.11	15	Dibenz(a,h) anthracene	0.055	8.2
4-Bromophenyl phenyl ether	0.055	15	Dibenzo(a,e) pyrene	0.061	NA
n-Butyl alcohol	5.6	2.6	m-Dichlorobenzene	0.036	6.0
Butyl benzyl phthalate	0.017	28	o-Dichlorobenzene	0.088	6.0
2-sec-Butyl-4,6-dinitrophenol	0.066	2.5	p-Dichlorobenzene	0.090	6.0
Carbon disulfide	3.8	4.8 mg/L	Dichlorodifluoromethane	0.23	7.2
		[TCLP]	1,1-Dichloroethane	0.059	6.0
Carbon tetrachloride	0.057	6.0	1,2-Dichloroethane	0.21	6.0
Chlordane (alpha & gamma isomers)	0.0033	0.26	1,1-Dichloroethylene	0.025	6.0
p-Chloroaniline	0.46	16	trans-1,2-Dichloroethylene	0.054	30
Chlorobenzene	0.057	6.0	2,4-Dichlorophenol	0.044	14
Chlorobenzilate	0.10	NA	2,6-Dichlorophenol	0.044	14
2-Chloro-1,3-butadiene	0.057	0.28	1,2-Dichloropropane	0.85	18
Chlorodibromomethane	0.057	15	cis-1,3-Dichloropropene	0.036	18
Chloroethane	0.27	6.0	trans-1,3-Dichloropropene	0.036	18
bis(2-Chloroethoxy) methane	0.036	7.2	Dieldrin	0.017	0.13

## Attachment III (cont.)

Constituents Of Concern	Total WW (mg/L)	Composition Non-WW (mg/kg)	Constituents Of Concern	Total WW (mg/L)	Composition Non-WW (mg/kg)
Diethyl phthalate	0.20	28	Isosafrole	0.081	2.6
2,4-Dimethylaniline (2,4-Xylidine)	0.010	0.66	Kepone	0.0011	0.13
2,4-Dimethyl phenol	0.036	14	Methacrylonitrile	0.24	84
Dimethyl phthalate	0.047	28	Methanol	5.6	0.75 mg/L
Di-n-butyl phthalate	0.057	28			[TCLP]
1,4-Dinitrobenzene	0.32	2.3	Methapyrilene	0.081	1.5
4,6-Dinitro-o-cresol	0.28	160	Methoxychlor	0.25	0.18
2,4-Dinitrophenol	0.12	160	3-Methylcholanthrene	0.0055	15
2,4-Dinitrotoluene	0.32	140	4,4-Methylene-bis(2-chloroaniline)	0.50	30
2,6-Dinitrotoluene	0.55	28	Methylene chloride	0.089	30
Di-n-octyl phthalate	0.017	28	Methyl ethyl ketone	0.28	36
Di-n-propylnitrosoamine	0.40	14	Methyl isobutyl ketone	0.14	33
1,4-Dioxane	0.22	170	Methyl methacrylate	0.14	160
Diphenylamine	0.92	13	Methyl methansulfonate	0.018	NA
Diphenyl nitrosamine	0.92	13	Methyl parathion	0.014	4.6
1,2-Diphenylhydrazine	0.087	1.5	Naphthalene	0.059	5.6
Disulfoton	0.017	6.2	2-Naphthylamine	0.52	NA
Endosulfan I	0.023	0.066	p-Nitroaniline	0.028	28
Endosulfan II	0.029	0.13	Nitrobenzene	0.068	14
Endosulfan sulfate	0.029	0.13	5-Nitro-o-toluidine	0.32	28
Endrin	0.0028	0.13	p-Nitrophenol	0.12	29
Endrin aldehyde	0.025	0.13	N-Nitrosodiethylamine	0.40	28
Ethyl acetate	0.34	33	N-Nitrosodimethylamine	0.40	2.3
Ethyl cyanide (Propanenitrile)	0.24	360	N-Nitroso-di-n-butylamine	0.40	17
Ethyl benzene	0.057	10	N-Nitrosomethylethylamine	0.40	2.3
Ethyl ether	0.12	160	N-Nitrosomorpholine	0.40	2.3
bis(2-Ethylhexyl) phthalate	0.28	28	N-Nitrosopiperidine	0.013	35
Ethyl methacrylate	0.14	160	N-Nitrosopyrrolidine	0.013	35
Ethylene oxide	0.12	NA	OCDD**	0.000063	0.0025
Famphur	0.017	15	OCDF**	0.000063	0.005
Fluoranthene	0.068	3.4	Parathion	0.014	4.6
Fluorene	0.059	3.4	Total PCBs (sum of all PCB isomers)	0.10	10
Heptachlor	0.0012	0.066	Pentachlorobenzene	0.055	10
Heptachlor epoxide	0.016	0.066	PeCDDs (Pentachlorodibenzo-p-dioxins)	0.000063	0.001
1,2,3,4,6,7,8-HpCDD**	0.000035	0.0025	PeCDFs (Pentachlorodibenzofurans)	0.000035	0.001
1,2,3,4,6,7,8-HpCDF**	0.000035	0.0025	Pentachloronitrobenzene	0.055	4.8
1,2,3,4,7,8,9-HpCDF**	0.000035	0.0025	Pentachlorophenol	0.089	7.4
Hexachlorobenzene	0.055	10	Phenacetin	0.081	16
Hexachlorobutadiene	0.055	5.6	Phenanthrene	0.059	5.6
Hexachlorocyclopentadiene	0.057	2.4	Phenol	0.039	6.2
HxCDDs (Hexachlorodibenzo-p-dioxins)	0.000063	0.001	1,3-Phenylenediamine	0.010	0.66
HxCDFs (Hexachlorodibenzofurans)	0.000063	0.001	Phorate	0.021	4.6
Hexachloroethane	0.055	30	Phthalic anhydride	0.055	28
Hexachloropropylene	0.035	30	Pronamide	0.093	1.5
Indeno(1,2,3-c,d)pyrene	0.0055	3.4	Pyrene	0.067	8.2
Iodomethane	0.19	65	Pyridine	0.014	16
Isobutanol	5.6	170	Safrole	0.081	22
Isodrin	0.021	0.066	Silvex (2,4,5-TP)	0.72	7.9

Attachment III (cont.)

Constituents Of Concern	Total WW (mg/L)	Composition Non-WW (mg/kg)	Constituents Of Concern	Total WW (mg/L)	Composition Non-WW (mg/kg)
2,4,5-T	0.72	7.9	Antimony	1.9	1.15 mg/L [TCLP]
1,2,4,5-Tetrachlorobenzene	0.055	14	Arsenic	1.4	5.0 mg/L [TCLP]
TCDDs (Tetrachlorodibenzo-p-dioxins)	0.000063	0.001	Barium	1.2	21 mg/L [TCLP]
TCDFs (Tetrachlorodibenzofurans)	0.000063	0.001	Beryllium	0.82	NA
1,1,1,2-Tetrachloroethane	0.057	6.0	Cadmium	0.69	0.11 mg/L [TCLP]
1,1,2,2-Tetrachloroethane	0.057	6.0	Chromium (Total)	2.77	0.60 mg/L [TCLP]
Tetrachloroethylene	0.056	6.0	Cyanides (Total)	1.2	590
2,3,4,6-Tetrachlorophenol	0.030	7.4	Cyanides (Amenable)	0.86	NA
Toluene	0.080	10	Fluoride	35	NA
Toxaphene	0.0095	2.6	Lead	0.69	0.75 mg/L (TCLP)
Bromoform (Tribromomethane)	0.63	15	Mercury	0.15	0.025 mg/L (TCLP)
1,2,4-Trichlorobenzene	0.055	19	Nickel	3.98	11 mg/L [TCLP]
1,1,1-Trichloroethane	0.054	6.0	Selenium	0.82	5.7 mg/L [TCLP]
1,1,2-Trichloroethane	0.054	6.0	Silver	0.43	0.14 mg/L [TCLP]
Trichloroethylene	0.054	6.0	Sulfide	14	NA
Trichloromonofluoromethane	0.020	30	Thallium	1.4	NA
2,4,5-Trichlorophenol	0.18	7.4	Vanadium	4.3	NA
2,4,6-Trichlorophenol	0.035	7.4			
1,2,3-Trichloropropane	0.85	30			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.057	30			
tris(2,3-dibomopropyl) phosphate	0.11	0.10			
Vinyl chloride	0.27	6.0			
Xylene(s) (sum of mixed isomers)	0.32	30			

\*\* 1,2,3,4,6,7,8-HpCDD = 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  
 1,2,3,4,6,7,8-HpCDF = 1,2,3,4,6,7,8-Heptachlorodibenzofuran  
 1,2,3,4,7,8,9-HpCDF = 1,2,3,4,7,8,9-Heptachlorodibenzofuran  
 OCDD = 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin  
 OCDF = 1,2,3,4,6,7,8,9-Octachlorodibenzofuran



### Attachment IV

#### Universal Treatment Standards for Hazardous Wastes

Instructions: **Mark** the underlying hazardous constituents (UHCs) that are “reasonably expected to be present” [40CFR268.2(i)] in the wastes.\*

\*You are not required to include this attachment or to mark the constituents present in the waste because the DuPont Wastewater Treatment Plant (WWTP) is regulated under the Clean Water Act and treats and monitors all constituents.

Constituents Of Concern	Composition		Constituents Of Concern	Composition	
	Total WW (mg/L)	Non-WW (mg/kg)		Total WW (mg/L)	Non-WW (mg/kg)
Acenaphthylene	0.059	3.4	Carbofuran phenol	0.056	1.4
Acenaphthene	0.059	3.4	Carbon disulfide	3.8	4.8 mg/L
Acetone	0.28	160			[TCLP]
Acetonitrile	5.6	38	Carbon tetrachloride	0.057	6.0
Acetophenone	0.010	9.7	Carbosulfan	0.028	1.4
2-Acetylaminofluorene	0.059	140	Chlordane (alpha & gamma isomers)	0.0033	0.26
Acrolein	0.29	NA	p-Chloroaniline	0.46	16
Acrylamide	19	23	Chlorobenzene	0.057	6.0
Acrylonitrile	0.24	84	Chlorobenzilate	0.10	NA
Aldicarb sulfone	0.056	0.28	2-Chloro-1,3-butadiene	0.057	0.28
Aldrin	0.021	0.066	Chlorodibromomethane	0.057	15
4-Aminobiphenyl	0.13	NA	Chloroethane	0.27	6.0
Aniline	0.81	14	bis(2-Chloroethoxy) methane	0.036	7.2
o-Anisidine (2-Methoxyaniline)	0.010	0.66	bis(2-Chloroethyl) ether	0.033	6.0
Anthracene	0.059	3.4	Chloroform	0.046	6.0
Aramite	0.36	NA	bis(2-Chloroisopropyl) ether	0.055	7.2
alpha-BHC	0.00014	0.066	p-Chloro-m-cresol	0.018	14
beta-BHC	0.00014	0.066	2-Chloroethyl vinyl ether	0.062	NA
delta-BHC	0.023	0.066	Chloromethane (Methyl chloride)	0.19	30
gamma-BHC	0.0017	0.066	2-Chloronaphthalene	0.055	5.6
Barban	0.056	1.4	2-Chlorophenol	0.044	5.7
Bendiocarb	0.056	1.4	3-Chloropropylene	0.036	30
Benomyl	0.056	1.4	Chrysene	0.059	3.4
Benzene	0.14	10	p-Cresidine	0.010	0.66
Benz(a)anthracene	0.059	3.4	o-Cresol	0.11	5.6
Benzal chloride	0.055	6.0	m-Cresol	0.77	5.6
Benzo(b)-fluoranthene	0.11	6.8	p-Cresol	0.77	5.6
Benzo(k)-fluoranthene	0.11	6.8	m-Cumenyl methylcarbamate	0.056	1.4
Benzo(g,h,i)-perylene	0.0055	1.8	Cyclohexanone	0.36	0.75 mg/L
Benzo(a)pyrene	0.061	3.4			[TCLP]
Bromodichloromethane	0.35	15	o,p'-DDD	0.023	0.087
Bromomethane (Methyl bromide)	0.11	15	p,p'-DDD	0.023	0.087
4-Bromophenyl phenyl ether	0.055	15	o,p'-DDE	0.031	0.087
n-Butyl alcohol	5.6	2.6	p,p'-DDE	0.031	0.087
Butylate	0.042	1.4	o,p'-DDT	0.0039	0.087
Butyl benzyl phthalate	0.017	28	p,p'-DDT	0.0039	0.087
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	0.066	2.5	Dibenz(a,h) anthracene	0.055	8.2
Carbaryl	0.006	0.14	Dibenzo(a,e) pyrene	0.061	NA
Carbenzadim	0.056	1.4	1,2-Dibromo-3-chloropropane	0.11	15
Carbofuran	0.006	0.14	1,2-Dibromoethane (Ethylene dibromide)	0.028	15

**Attachment IV (cont.)**

<b>Constituents Of Concern</b>	<b>Total WW (mg/L)</b>	<b>Composition Non-WW (mg/kg)</b>	<b>Constituents Of Concern</b>	<b>Total WW (mg/L)</b>	<b>Composition Non-WW (mg/kg)</b>
Dibromomethane	0.11	15	Famphur	0.017	15
m-Dichlorobenzene	0.036	6.0	Fluoranthene	0.068	3.4
o-Dichlorobenzene	0.088	6.0	Fluorene	0.059	3.4
p-Dichlorobenzene	0.090	6.0	Formetanate hydrochloride	0.056	1.4
Dichlorodifluoromethane	0.23	7.2	Heptachlor	0.0012	0.066
1,1-Dichloroethane	0.059	6.0	Heptachlor epoxide	0.016	0.066
1,2-Dichloroethane	0.21	6.0	Hexachlorobenzene	0.055	10
1,1-Dichloroethylene	0.025	6.0	1,2,3,4,6,7,8-HpCDD**	0.000035	0.0025
trans-1,2-Dichloroethylene	0.054	30	1,2,3,4,6,7,8-HpCDF**	0.000035	0.0025
2,4-Dichlorophenol	0.044	14	1,2,3,4,7,8,9-HpCDF**	0.000035	0.0025
2,6-Dichlorophenol	0.044	14	Hexachlorobutadiene	0.055	5.6
2,4-Dichlorophenoxyacetic acid (2,4-D)	0.72	10	Hexachlorocyclopentadiene	0.057	2.4
1,2-Dichloropropane	0.85	18	HxCDDs (Hexachlorodibenzo-p-dioxins)	0.000063	0.001
cis-1,3-Dichloropropene	0.036	18	HxCDFs (Hexachlorodibenzofurans)	0.000063	0.001
trans-1,3-Dichloropropene	0.036	18	Hexachloroethane	0.055	30
Dieldrin	0.017	0.13	Hexachloropropylene	0.035	30
Diethyl phthalate	0.20	28	Indeno(1,2,3-c,d)pyrene	0.0055	3.4
p-Dimethylaminoazobenzene	0.13	NA	Iodomethane	0.19	65
2,4-Dimethylaniline (2,4-xylydine)	0.010	0.66	Isobutyl alcohol (Isobutanol)	5.6	170
2,4-Dimethyl phenol	0.036	14	Isodrin	0.021	0.066
Dimethyl phthalate	0.047	28	Isosafrole	0.081	2.6
Di-n-butyl phthalate	0.057	28	Kepone	0.0011	0.13
1,4-Dinitrobenzene	0.32	2.3	Methacrylonitrile	0.24	84
4,6-Dinitro-o-cresol	0.28	160	Methanol	5.6	0.75 mg/L [TCLP]
2,4-Dinitrophenol	0.12	160	Methapyrilene	0.081	1.5
2,4-Dinitrotoluene	0.32	140	Methiocarb	0.056	1.4
2,6-Dinitrotoluene	0.55	28	Methomyl	0.028	0.14
Di-n-octyl phthalate	0.017	28	Methoxychlor	0.25	0.18
Di-n-propylnitrosoamine	0.40	14	3-Methylchlolanthrene	0.0055	15
1,4-Dioxane	12.0	170	4,4-Methylene-bis(2-chloroaniline)	0.50	30
Diphenylamine	0.92	13	Methylene chloride	0.089	30
Diphenylnitrosamine	0.92	13	Methyl ethyl ketone	0.28	36
1,2-Diphenylhydrazine	0.087	NA	Methyl isobutyl ketone	0.14	33
Disulfoton	0.017	6.2	Methyl methacrylate	0.14	160
Dithiocarbamates (total)	0.028	28	Methyl methansulfonate	0.018	NA
Endosulfan I	0.023	0.066	Methyl parathion	0.014	4.6
Endosulfan II	0.029	0.13	Metolcarb	0.056	1.4
Endosulfan sulfate	0.029	0.13	Mexacarbate	0.056	1.4
Endrin	0.0028	0.13	Molinate	0.042	1.4
Endrin aldehyde	0.025	0.13	Naphthalene	0.059	5.6
EPTC	0.042	1.4	2-Naphthylamine	0.52	NA
Ethyl acetate	0.34	33	o-Nitroaniline	0.27	14
Ethyl benzene	0.057	10	p-Nitroaniline	0.028	28
Ethyl cyanide (Propanenitrile)	0.24	360	Nitrobenzene	0.068	14
Ethyl ether	0.12	160	5-Nitro-o-toluidine	0.32	28
bis(2-Ethylhexyl) phthalate	0.28	28	o-Nitrophenol	0.028	13
Ethyl methacrylate	0.14	160	p-Nitrophenol	0.12	29
Ethylene oxide	0.12	NA			

**Attachment IV (cont.)**

<b>Constituents Of Concern</b>	<b>Total WW (mg/L)</b>	<b>Composition Non-WW (mg/kg)</b>	<b>Constituents Of Concern</b>	<b>Total WW (mg/L)</b>	<b>Composition Non-WW (mg/kg)</b>
N-Nitrosodiethylamine	0.40	28	Toxaphene	0.0095	2.6
N-Nitrosodimethylamine	0.40	2.3	Triallate	0.042	1.4
N-Nitroso-di-n-butylamine	0.40	17	Tribromomethane (Bromoform)	0.63	15
N-Nitrosomethylethylamine	0.40	2.3	2,4,6-Tribromophenol	0.035	7.4
N-Nitrosomorpholine	0.40	2.3	1,2,4-Trichlorobenzene	0.055	19
N-Nitrosopiperidine	0.013	35	1,1,1-Trichloroethane	0.054	6.0
N-Nitrosopyrrolidine	0.013	35	1,1,2-Trichloroethane	0.054	6.0
OCDD**	0.000063	0.005	Trichloroethylene	0.054	6.0
OCDF**	0.000063	0.005	Trichloromonofluoromethane	0.020	30
Oxamyl	0.056	0.28	2,4,5-Trichlorophenol	0.18	7.4
Parathion	0.014	4.6	2,4,6-Trichlorophenol	0.035	7.4
Total PCBs (sum of all PCB isomers)	0.10	10	2,4,5-Trichlorophenoxyacetic acid (245T)	0.72	7.9
Pebulate	0.042	1.4	1,2,3-Trichloropropane	0.85	30
Pentachlorobenzene	0.055	10	1,1,2-Trichloro-1,2,2-trifluoroethane	0.057	30
PeCDDs (Pentachlorodibenzo-p-dioxins)	0.000063	0.001	Triethylamine	0.081	1.5
PeCDFs (Pentachlorodibenzofurans)	0.000035	0.001	Tris(2,3-dibromopropyl) phosphate	0.11	0.10
Pentachloroethane	0.055	6.0	Vernolate	0.042	1.4
Pentachloronitrobenzene	0.055	4.8	Vinyl chloride	0.27	6.0
Pentachlorophenol	0.089	7.4	Xylene(s) (sum of mixed isomers)	0.32	30
Phenacetin	0.081	16			
Phenanthrene	0.059	5.6	**		
Phenol	0.039	6.2	1,2,3,4,6,7,8-HpCDD = 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin		
o-Phenylenediamine	0.056	5.6	1,2,3,4,6,7,8-HpCDF = 1,2,3,4,6,7,8-Heptachlorodibenzofuran		
1,3-Phenylenediamine	0.010	0.66	1,2,3,4,7,8,9-HpCDF = 1,2,3,4,7,8,9-Heptachlorodibenzofuran		
Phorate	0.021	4.6	OCDD = 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin		
Phthalic acid	0.055	28	OCDF = 1,2,3,4,6,7,8,9-Octachlorodibenzofuran		
Phthalic anhydride	0.055	28			
Physostigmine	0.056	1.4	<b>Constituents Of Concern</b>	<b>Total WW (mg/L)</b>	<b>Composition Non-WW (mg/kg)</b>
Physostigmine salicylate	0.056	1.4	Antimony	1.9	1.15 mg/L [TCLP]
Promecarb	0.056	1.4	Arsenic	1.4	5.0 mg/L [TCLP]
Pronamide	0.093	1.5	Barium	1.2	21 mg/L [TCLP]
Propham	0.056	1.4	Beryllium	0.82	1.22 mg/L [TCLP]
Propoxur	0.056	1.4	Cadmium	0.69	0.11 mg/L [TCLP]
Prosulfocarb	0.042	1.4	Chromium (Total)	2.77	0.60 mg/L [TCLP]
Pyrene	0.067	8.2	Cyanides (Total)	1.2	590
Pyridine	0.014	16	Cyanides (Amenable)	0.86	30
Safrole	0.081	22	Lead	0.69	0.75 mg/L [TCLP]
Silvex (2,4,5-TP)	0.72	7.9	Mercury	NA	0.20 mg/L [TCLP]
1,2,4,5-Tetrachlorobenzene	0.055	14	(Nonwastewaters from Retort)		
TCDDs (Tetrachlorodibenzo-p-dioxins)	0.000063	0.001	Mercury (All others)	0.15	0.025 mg/L [TCLP]
TCDFs (Tetrachlorodibenzofurans)	0.000063	0.001	Nickel	3.98	11 mg/L [TCLP]
1,1,1,2-Tetrachloroethane	0.057	6.0	Silver	0.43	0.14 mg/L [TCLP]
1,1,2,2-Tetrachloroethane	0.057	6.0	Thallium	1.4	0.20 mg/L [TCLP]
Tetrachloroethylene	0.056	6.0			
2,3,4,6-Tetrachlorophenol	0.030	7.4			
Thiodicarb	0.019	1.4			
Thiophanate-methyl	0.056	1.4			
Toluene	0.080	10			