Title 33

ENVIRONMENTAL QUALITY

Part V. Hazardous Waste and Hazardous Materials

Subpart 1. Department of Environmental Quality—Hazardous Waste

Chapter 22. Prohibitions on Land Disposal

Subchapter B. Hazardous Waste Injection Restrictions

§2299. Appendix-Tables 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Table 2. Treatment Standards for Hazardous Wastes					
Waste Code	Waste Description and Treatment/Regulatory Subcategory[1]	Regulated Hazardous Constituent		Wastewaters	Non-Wastewaters
		Common Name	CAS[2] Number	Concentration in mg/L[3]; or Technology Code[4]	Concentration in mg/kg[5] unless noted as "mg/L TCLP" or Technology Code[4]
*** [See Prior Text in D001[9] – K151]					
K156	Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes.~~[10]~~ ~~(This listing does not apply to wastes~~	Acetonitrile	75-05-8	5.6	1.8
		Acetophenone	98-86-2	0.010	9.7
		Aniline	62-53-3	0.81	14
		Benomyl~~[10]~~	17804-35-2	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Benzene	71-43-2	0.14	10
		Carbaryl~~[10]~~	63-25-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST

Table 2. Treatment Standards for Hazardous Wastes					
Waste Code	Waste Description and Treatment/Regulatory Subcategory[1]	Regulated Hazardous Constituent		Wastewaters	Non-Wastewaters
		Common Name	CAS[2] Number	Concentration in mg/L[3]; or Technology Code[4]	Concentration in mg/kg[5] unless noted as "mg/L TCLP" or Technology Code[4]
	~~generated from the manufacture of~~ ~~3-iodo-2-propynyl *n*-butylcarbamate.)~~	Carbenzadim[10]	10605-21-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Carbofuran[10]	1563-66-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
		Carbosulfan[10]	55285-14-8	0.028; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Chlorobenzene	108-90-7	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		o-Dichlorobenzene	95-50-1	0.088	6.0
		Methomyl[10]	16752-77-5	0.028; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
		Methylene chloride	75-09-2	0.089	30
		Methyl ethyl ketone	78-93-3	0.28	36
		Naphthalene	91-20-3	0.059	5.6
		Phenol	108-95-2	0.039	6.2
		Pyridine	110-86-1	0.014	16
		Toluene	108-88-3	0.080	10
		Triethylamine[10]	121-44-8	0.081; or CMBST, CHOXD, BIODG or CARBN	1.5; or CMBST

Table 2. Treatment Standards for Hazardous Wastes					
		Regulated Hazardous Constituent		Wastewaters	Non-Wastewaters
Waste Code	Waste Description and Treatment/Regulatory Subcategory[1]	Common Name	CAS[2] Number	Concentration in mg/L[3]; or Technology Code[4]	Concentration in mg/kg[5] unless noted as "mg/L TCLP" or Technology Code[4]
K157	Wastewaters (including scrubber waters, condenser waters, 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.)~~	Carbon tetrachloride	56-23-5	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		Chloromethane	74-87-3	0.19	30
		Methomyl[10]	16752-77-5	0.028; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
		Methylene chloride	75-09-2	0.089	30
		Methyl ethyl ketone	78-93-3	0.28	36
		~~o-Phenylenediamine~~	~~95-54-5~~	~~0.056~~	~~5.6~~
		Pyridine	110-86-1	0.014	16
		Triethylamine[10]	121-44-8	0.081; or CMBST, CHOXD, BIODG or CARBN	1.5; or CMBST
K158	Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes. ~~(This listing does not apply to wastes~~	~~Benomyl~~	~~17804-35-2~~	~~0.056~~	~~1.4~~
		Benzene	71-43-2	0.14	10
		Carbenzadim[10]	10605-21-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Carbofuran[10]	1563-66-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST

Table 2. Treatment Standards for Hazardous Wastes					
Waste Code	Waste Description and Treatment/Regulatory Subcategory[1]	Regulated Hazardous Constituent		Wastewaters	Non-Wastewaters
		Common Name	CAS[2] Number	Concentration in mg/L[3]; or Technology Code[4]	Concentration in mg/kg[5] unless noted as "mg/L TCLP" or Technology Code[4]
	~~generated from the manufacture of~~ ~~3-iodo-2-propynyl *n*-butylcarbamate.)~~	Carbosulfan[10]	55285-14-8	0.028; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Chloroform	67-66-3	0.046	6.0
		Methylene chloride	75-09-2	0.089	30
		Phenol	108-95-2	0.039	6.2
K159	Organics from the treatment of thiocarbamate wastes.[10]	Benzene	71-43-2	0.14	10
		Butylate[10]	2008-41-5	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		EPTC (Eptam)[10]	759-94-4	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Molinate[10]	2212-67-1	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Pebulate[10]	1114-71-2	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Vernolate[10]	1929-77-7	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
K161	Purification solids (including filtration, evaporation, and centrifugation solids),	Antimony	7440-36-0	1.9	1.15 mg/L TCLP
		Arsenic	7440-38-2	1.4	5.0 mg/L TCLP

Table 2. Treatment Standards for Hazardous Wastes					
Waste Code	**Waste Description and Treatment/Regulatory Subcategory[1]**	**Regulated Hazardous Constituent**		**Wastewaters**	**Non-Wastewaters**
		Common Name	**CAS[2] Number**	**Concentration in mg/L[3]; or Technology Code[4]**	**Concentration in mg/kg[5] unless noted as "mg/L TCLP" or Technology Code[4]**
	baghouse dust, and floor sweepings from the production of dithiocarbamate acids and their salts.	Carbon disulfide	75-15-0	3.8	4.8 mg/L TCLP
		Dithiocarbamates (total)[10]	NA	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST
		Lead	7439-92-1	0.69	0.75 mg/L TCLP
		Nickel	7440-02-0	3.98	11 mg/L TCLP
		Selenium	7782-49-2	0.82	5.7 mg/L TCLP

***					
[See Prior Text K169 – P123]					
P127	Carbofuran [10]	Carbofuran	1563-66-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
P128	Mexacarbate [10]	Mexacarbate	315-18-4	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P185	Tirpate [10]	Tirpate	26419-73-8	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST
P188	Physostigmine salicylate [10]	Physostigmine salicylate	57-64-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P189	Carbosulfan [10]	Carbosulfan	55285-14-8	0.028; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P190	Metolcarb [10]	Metolcarb	1129-41-5	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P191	Dimetilan [10]	Dimetilan	644-64-4	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P192	Isolan [10]	Isolan	119-38-0	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P194	Oxamyl [10]	Oxamyl	23135-22-0	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST

P196	Manganese dimethyldithiocarbamate [10]	Dithiocarbamates (total)	NA	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST
P197	Formparanate [10]	Formparanate	17702-57-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P198	Formetanate hydrochloride [10]	Formetanate hydrochloride	23422-53-9	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P199	Methiocarb [10]	Methiocarb	2032-65-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P201	Promecarb [10]	Promecarb	2631-37-0	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P202	m-Cumenyl methylcarbamate [10]	m-Cumenyl methylcarbamate	64-00-6	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P203	Aldicarb sulfone [10]	Aldicarb sulfone	1646-88-4	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST
P204	Physostigmine [10]	Physostigmine	57-47-6	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P205	Ziram [10]	Dithiocarbamates (total)	NA	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST

***

[See Prior Text U001 – U249]

U271	Benomyl [10]	Benomyl	17804-35-2	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U278	Bendiocarb [10]	Bendiocarb	22781-23-8	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U279	Carbaryl [10]	Carbaryl	63-25-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
U280	Barban [10]	Barban	101-27-9	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
*** [See Prior Text U328 – U359] ***					
U364	Bendiocarb phenol [10]	Bendiocarb phenol	22961-82-6	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U367	Carbofuran phenol [10]	Carbofuran phenol	1563-38-8	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U372	Carbendazim [10]	Carbendazim	10605-21-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U373	Propham [10]	Propham	122-42-9	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U387	Prosulfocarb [10]	Prosulfocarb	52888-80-9	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST

U389	Triallate [10]	Triallate	2303-17-5	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U394	A2213 [10]	A2213	30558-43-1	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U395	Diethylene glycol, dicarbamate [10]	Diethylene glycol, dicarbamate	5952-26-1	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U404	Triethylamine [10]	Triethylamine	121-44-8	0.081; or CMBST, CHOXD, BIODG or CARBN	1.5; or CMBST
U409	Thiophanate-methyl [10]	Thiophanate-methyl	23564-05-8	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U410	Thiodicarb [10]	Thiodicarb	59669-26-0	0.019; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U411	Propoxur [10]	Propoxur	114-26-1	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST

Footnote 1. – Footnote 12. …

[NOTE: NA means Not Applicable.]

Table: 3. – 6. …

Table 7. Universal Treatment Standards			
Regulated Constituent-Common Name	**CAS[1] Number**	**Wastewater Standard Concentration[2] in mg/L**	**Nonwastewater Standard Concentration[3] in mg/kg unless noted as "mg/L TCLP"**
Organic Constituents			
***			
[See Prior Text Acenaphthene - Acrylonitrile]			
~~Aldicarb sulfone[6]~~	~~1646-88-4~~	~~0.056~~	~~0.28~~
***			
[See Prior Text Aldrin – gamma-BHC]			
~~Barban[6]~~	~~101-27-9~~	~~0.056~~	~~1.4~~
~~Bendiocarb[6]~~	~~22781-23-3~~	~~0.056~~	~~1.4~~
~~Benomyl[6]~~	~~17804-35-2~~	~~0.056~~	~~1.4~~
***			
[See Prior Text Benzene – n-Butyl alcohol]			
~~Butylate[6]~~	~~2008-41-5~~	~~0.042~~	~~1.4~~
***			
[See Prior Text Butyl benzyl phthalate – 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)]			
~~Carbaryl[6]~~	~~63-25-2~~	~~0.006~~	~~0.14~~
~~Carbenzadim[6]~~	~~10605-21-7~~	~~0.056~~	~~1.4~~
~~Carbofuran[6]~~	~~1563-66-2~~	~~0.006~~	~~0.14~~
~~Carbofuran phenol[6]~~	~~1563-38-8~~	~~0.056~~	~~1.4~~
***			
[See Prior Text Carbon disulfide – Carbon tetrachloride]			
~~Carbosulfan[6]~~	~~55285-14-8~~	~~0.028~~	~~1.4~~

Table 7. Universal Treatment Standards			
Regulated Constituent-Common Name	**CAS[1] Number**	**Wastewater Standard Concentration[2] in mg/L**	**Nonwastewater Standard Concentration[3] in mg/kg unless noted as "mg/L TCLP"**
***			
[See Prior Text Chlordane (alpha and gamma isomers – p-Cresol (difficult to distinguish from m-cresol)]			
~~m-Cumenyl methylcarbamate[6]~~	~~64-00-6~~	~~0.056~~	~~1.4~~
***			
[See Prior Text Cyclohexanone - Disulfoton]			
~~Dithiocarbamates (total)[6]~~	~~NA~~	~~0.028~~	~~28~~
~~EPTC[6]~~	~~759-94-4~~	~~0.042~~	~~1.4~~
***			
[See Prior Text Endosulfan I - Fluorene]			
~~Formetanate hydrochloride[6]~~	~~23422-53-9~~	~~0.056~~	~~1.4~~
***			
[See Prior Text Heptachlor - Methapyrilene]			
~~Methiocarb[6]~~	~~2032-65-7~~	~~0.056~~	~~1.4~~
~~Methomyl[6]~~	~~16752-77-5~~	~~0.028~~	~~0.14~~
***			
[See Prior Text Methoxychlor – Methyl parathion]			
~~Metolcarb[6]~~	~~1129-41-5~~	~~0.056~~	~~1.4~~
~~Mexacarbate[6]~~	~~315-18-4~~	~~0.056~~	~~1.4~~
~~Molinate[6]~~	~~2212-67-1~~	~~0.042~~	~~1.4~~
***			
[See Prior Text Naphthalene - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)]			
~~Oxamyl[6]~~	~~23135-22-0~~	~~0.056~~	~~0.28~~

Table 7. Universal Treatment Standards			
Regulated Constituent-Common Name	**CAS[1] Number**	**Wastewater Standard Concentration[2] in mg/L**	**Nonwastewater Standard Concentration[3] in mg/kg unless noted as "mg/L TCLP"**
***			
[See Prior Text Parathion – Total PCBs (sum of all PCB isomers, or all Arochlors)[8]]			
~~Pebulate[6]~~	~~1114-71-2~~	~~0.042~~	~~1.4~~
***			
[See Prior Text Pentachlorobenzene – Phthalic anhydride]			
~~Physostigmine[6]~~	~~57-47-6~~	~~0.056~~	~~1.4~~
~~Physostigmine salicylate[6]~~	~~57-64-7~~	~~0.056~~	~~1.4~~
~~Promecarb[6]~~	~~2631-37-0~~	~~0.056~~	~~1.4~~
Pronamide	23950-58-5	0.093	1.5
~~Propham[6]~~	~~122-42-9~~	~~0.056~~	~~1.4~~
~~Propoxur[6]~~	~~114-26-1~~	~~0.056~~	~~1.4~~
~~Prosulfocarb[6]~~	~~52888-80-9~~	~~0.042~~	~~1.4~~
***			
[See Prior Text Pyrene - 2,3,4,6,-Tetrachlorophenol]			
~~Thiodicarb[6]~~	~~59669-26-0~~	~~0.019~~	~~1.4~~
~~Thiophanate-methyl[6]~~	~~23564-05-8~~	~~0.056~~	~~1.4~~
***			
[See Prior Text Toluene - Toxaphene]			
~~Triallate[6]~~	~~2303-17-5~~	~~0.042~~	~~1.4~~
***			
[See Prior Text Bromoform (Tribromomethane - 1,1,2-Trichloro-1,2,2-trifluoroethane]			
~~Triethylamine[6]~~	~~101-44-8~~	~~0.081~~	~~1.5~~

Table 7. Universal Treatment Standards			
Regulated Constituent-Common Name	**CAS[1] Number**	**Wastewater Standard Concentration[2] in mg/L**	**Nonwastewater Standard Concentration[3] in mg/kg unless noted as "mg/L TCLP"**
tris-(2,3-Dibromopropyl) phosphate	126-72-7	0.11	0.10
~~Vernolate[6]~~	~~1929-77-7~~	~~0.042~~	~~1.4~~
***			
[See Prior Text Bromoform (Vinyl chloride - Xylenes-mixed isomers (sum of o-, m-, and p- xylene concentrations)]			
Inorganic Constituents			
***			
[See Prior Text Antimony – Zinc[5]]			

Footnote 1. – Footnote 5. …

~~[6] Between August 26, 1998 and March 4, 1999, these constituents are not *underlying hazardous constituents* as defined in LAC 33:V.2203.~~Reserved.

Footnote 7. – Footnote 8. …

[NOTE: NA means Not Applicable.]

Table: 8. – 12. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2180 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Solid and Hazardous Waste, Hazardous Waste Division, LR 16:1057 (December 1990), amended LR 17:658 (July 1991), LR 21:266 (March 1995), LR 22:22 (January 1996), LR 22:834 (September 1996), LR 23:566 (May 1997), LR 24:301 (February 1998), LR 24:670 (April 1998), LR 24:1732 (September 1998), LR 25:451 (March 1999), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26:282 (February 2000), LR 27:295 (March 2001), LR 29:322 (March 2003), LR 30:1682 (August 2004), amended by the Office of the Secretary, Legal Affairs Division, LR 32:828 (May 2006), LR 32:1843 (October

2006), LR 34:625 (April 2008), LR 34:1014 (June 2008), LR 38:777 (March 2012), amended by the Office of the Secretary, Legal Division, LR 39:**.