FEDERAL (RCRA-TCLP) AND STATE (TITLE 22-STLC,TTLC) HAZARDOUS WASTE CRITERIA

Inorganic Parameters/Metals (Methods: EPA 6010B, 7000 Series)

Parameters	TCLP mg/l	STLC mg/l	TTLC[a] mg/kg
Antimony		15	500
Arsenic	5.0	5.0	500
Barium	100	100	10,000[b]
Beryllium		0.75	75
Cadmium	1.0	1.0	100
Chromium	5	5 (560)	2,500
Cobalt		80	8,000
Copper		25	2,500
Lead	5.0	5.0	1,000
Mercury	0.2	0.2	20
Molybdenum		350	3,500
Nickel		20	2,000
Selenium	1.0	1.0	100
Silver	5	5	500
Thallium		7.0	700
Vanadium		24	2,400
Zinc		250	5,000
Chromium (VI)		5	500
Fluoride Salts		180	18,000
Asbestos			1%

Volatiles (Method: EPA 8260B)

Benzene	0.5		
Carbon tetrachloride	0.5		
Chlorobenzene	100.0		
Chloroform	6.0		
1,4-Dichlorobenzene	7.5		
1,2-Dichloroethane	0.5		
1,1-Dichloroethylene	0.7		
Methyl ethyl ketone (MEK)	200.0		
Tetrachloroethylene (PCE)	0.7		
Trichloroethylene (TCE)	0.5	204	2,040
Vinyl chloride	0.2		

[a] *Values expressed as wet weight* [b] *Excluding barium sulfate.*

Chlorophenoxy Acid Herbicides (Method: EPA 8151A)

Compound	TCLP mg/l	STLC mg/l	TTLC[a] mg/kg
2,4-Dichlorophenoxyacetic acid	10.0	10	100
2,4,5-TP (Silvex)	1.0	1.0	10

Organochlorine Pesticides / PCBs (Method: EPA 8081A)

Aldrin		0.14	1.4
Chlordane	0.03	0.25	2.5
DDT/DDE/DDD		0.1	1.0
Dieldrin		0.8	8.0
Endrin	0.02	0.02	0.2
Heptachlor (& its Epoxide)	0.008	0.47	4.7
Kepone		2.1	21
Lindane	0.4	0.4	4.0
Methoxychlor	10.0	10	100
Mirex		2.1	21
Toxaphene	0.5	0.5	5.0

Semi-Volatiles (Method: EPA 8270C)

o-Cresol	200.0		
m-Cresol	200.0		
p-Cresol	200.0		
Cresols (Total)	200.0		
2,4-Dinitrotoluene	0.13		
Hexachlorobenzene	0.13		
Hexachlorobutadiene	0.5		
Hexachloroethane	3.0		
Nitrobenzene	2.0		
Pentachlorophenol	100.0	1.7	17
Pyridine	5.0		
2,4,5-Trichlorophenol	400.0		
2,4,6-Trichlorophenol	2.0		

Miscellaneous (Methods: EPA 8280*, CADHS-LUFT/7420)**

Dioxin (2,3,7,8-TCDD)*		0.001	0.01
Organic Lead Compounds**			13

See Sec 22-66261.27.(a).(7) for Additional Toxicity Compound/Criteria. Title (26) 22 Toxicity Criteria Section 22-66261.24

HAZARDOUS WASTE CHARACTERISTICS

	Matrix	Method	Criteria
Ignitability (40 CFR 261.21) (T22: 22-66261.21)	Liquid	ASTM D-93	Exhibits the characteristic of ignitability: if it is a liquid, and has a flash point <60°C (140°F). Aqueous solutions containing >24% alcohol by volume are considered ignitable and do not require flash point testing.
	Solid		Exhibits the characteristic of ignitability: if it is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture or spontaneous chemical changes and, when ignited, burns so vigorously and persistently that it creates a hazard.
Corrosivity (40 CFR 261.22) (T22: 22-66261.22)	Liquid	EPA 9040 EPA 1110, NACE	Exhibits the characteristic of corrosivity if it is aqueous and has a pH ≤ 2 or ≥12.5 (Sec 260.20 and 260.21) If it corrodes steel (SAE 1020) at rate >6.35 mm or 0.250 in. per year at a test temperature of 55°C (130°F)
	Solid	EPA 9045	If it is not aqueous and, when mixed with an equivalent weight of water, produces a solution having a pH ≤ 2 or ≥12.5
Reactivity (40 CFR 261.22) (T22:22-66261.23)		SW846, Chapter 7	Exhibits the characteristic of reactivity: if the waste has any of the following properties: 1. It is normally unstable and readily undergoes violent change without detonating. 2. It reacts violently with water. 3. It forms potentially explosive mixtures with water. 4. When mixed with water, it generates toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or environment. 5. It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5 can generate toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment.
		Sec.7.3.3.	The current EPA guidance level is: Total releasable cyanide: 250 mg HCN/kg waste. The current EPA guidance level is: Total releasable sulfide: 500 mg H_2S/kg waste.
			6. It is readily capable of detonation or explosive reaction if it is a subjected to a strong initiating source or if heated under confinement. 7. It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure 8. It is a forbidden explosive, as defined in 49 CFR 173.51 or a class A or B explosive, as defined in 49 CFR 173.53 and 173.88.

TOXICITY Fish {Title 26 sec 66261.24(6)} **SMWW 18th Ed.** A waste, or material is toxic and hazardous if (6) has an acute aquatic 96-Hour LC50 less than 500mb/L.

NOTE: Criteria and limits are abbreviated for quick reference purposes only. Specific sources should always be referenced for a detailed, complete and up-to-date listing of regulatory criteria.

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Revision Date: 1/25/2007