

APPENDIX D

Constituents of Interest, Sampling Frequency, and Discharge Limits for Releases from Lake Haussmann

Table D-1. Lake Haussmann discharge analytes and sampling frequency for sampling locations CDBX and WPDC, and discharge limits from the amended CERCLA ROD applied at CDBX.

Constituent	CDBX Frequency ^(a)	WPDC Frequency ^(a)	Discharge limits	
			Dry season ^(b)	Wet season ^(c)
pH (units)	W & D	W & D	6.5–8.5	6.5–8.5
Metals (µg/L)				
Antimony	W & D	W & D	6	NA
Arsenic	W & D	W & D	50	10
Beryllium	W & D	W & D	4	NA
Boron	W & D	W & D	NA	NA
Cadmium	W & D	W & D	5	2.2
Chromium (total)	W & D	W & D	50	NA
Chromium (VI)	W & D	W & D	NA	22
Copper	W & D	W & D	1300	23.6
Iron	W & D	W & D	NA	NA
Lead	W & D	W & D	15	6.4
Manganese	W & D	W & D	NA	NA
Mercury	W & D	W & D	2	2
Nickel	W & D	W & D	100	320
Selenium	W & D	W & D	50	10
Silver	W & D	W & D	100	8.2
Thallium	W & D	W & D	2	NA
Zinc	W & D	W & D	NA	220
Organics (µg/L)				
Volatile organic compounds (EPA Method 601)	W	— ^(d)	5	5
1,1-dichloroethane (1,1-DCA)	W	— ^(d)	5	5
1,1-dichloroethylene (1,1-DCE)	W	— ^(d)	5	5
1,2-dichloroethylene (1,2-DCE)	W	— ^(d)	NA	NA
cis-1,2-dichloroethylene (cis-1,2-DCE)	W	— ^(d)	5	5
trans-1,2-dichloroethylene (trans-1,2-DCE)	W	— ^(d)	5	5
1,2-dichloroethane (1,2-DCA)	W	— ^(d)	5	5
Carbon tetrachloride	W	— ^(d)	5	5
Total THM (chloroform, bromoform, chlorodibromomethane, bromodichloromethane)	W	— ^(d)	5	5
Tetrachloroethene	W	— ^(d)	4	4
Trichloroethylene (TCE)	W	— ^(d)	5	5
Vinyl chloride	W	— ^(d)	2	2

Table D-1 (cont.). Lake Haussmann discharge analytes and sampling frequency for sampling locations CDBX and WPDC, and discharge limits from the amended CERCLA ROD applied at CDBX.

Constituent		CDBX Frequency ^(a)	WPDC Frequency ^(a)	Discharge limits	
				Dry season ^(b)	Wet season ^(c)
Acute toxicity	Aquatic survival bioassay (96 hours)	W & D	W & D	90% survival median, 90 percentile value of not less than 70% survival	
Chronic toxicity	Fathead minnow	W	_(d)	NA	NA
	Water flea	W	_(d)	NA	NA
	Green algae	W	_(d)	NA	NA
Radiological (pCi/L)	Tritium	W	_(d)	20,000	20,000
Special studies or by request of RWQCB	Polychlorinated biphenyls	W & D	_(d)	NA	NA
	Herbicides (Bromicil by E507, Glyphosate by E547, Diuron by E632)	CDBX	_(d)	NA	NA
	Chemical oxygen demand	CDBX	_(d)	NA	NA
	Total organic carbon	CDBX	_(d)	NA	NA
Physical	Turbidity (NTU)(e)	W & D	_(d)	>15	>15
	Conductivity	W	W	NA	NA
	Total suspended solids	W & D	W & D	NA	NA
	Total dissolved solids	W	W	NA	NA
General minerals	Total alkalinity	W	_(d)	NA	NA
	Nitrate (as N)	W	_(d)	NA	NA
	Nitrite (as N)	W	_(d)	NA	NA
Radiological (Bq/L)	Alpha	W	_(d)	0.56	0.56
	Beta	W	_(d)	1.85	1.85

(a) W = Monitoring occurs at the first Lake Haussmann discharge of the wet season and at one or more additional discharges associated with storm water runoff monitoring. Toxicity testing is required only on the first release.

D = Monitoring occurs at each dry season release. For purposes of discharge sampling, the dry season is defined to occur from June 1 through September 30.

(b) Dry season limits apply to CDBX from April 1 to November 30.

(c) Wet season limits apply to CDBX from December 1 to March 31.

(d) Sampling not required for this parameter.

(e) NTU = Nephelometric turbidity units.

NA = No limit applicable for this parameter.