

RECEIVED 08/05/2014
REM 8494
LOCATION 391314
FACILITY 116525
433509
WELL 07708743
DOC 2141756

Table 910-1 Parameters
Summary of Lab Results from Sample Collected at Roan Creek Evaporation Pond
7/17/2014

Contaminant of Concern in Soil	COGCC Table 910-1 Allowable Conc.	Sample Analysis Results @ Sump	Sample Analysis Outside NE Fence	Sample Analysis Outside SE Fence	Sample Analysis P1 Under Panel NE	Sample Analysis P2 Under Panel	Sample Analysis P3 Under Panel Center	Sample Analysis P4 Under Panel	Sample Analysis P5 Under Panel NW	Sample Analysis Near Load Out Area	Notes
Organic Compounds											
TPH (DRO + GRO) (mg/kg)	500	6.2+ND = 6.2	ND+ND = ND	10+ND = 10	8.7+ND = 8.7	21+ND = 21	11+ND = 11	15+ND = 15	7+ND = 7	7.5+ND = 7.5	
Benzene (mg/kg)	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene (mg/kg)	85	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene (mg/kg)	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes (total) (mg/kg)	175	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthene (mg/kg)	1,000	ND				ND		ND			
Anthracene (mg/kg)	1,000	ND				ND		ND			
Benzo(A)anthracene (mg/kg)	0.22	ND				ND		ND			
Benzo(B)fluoranthene (mg/kg)	0.22	ND				ND		ND			
Benzo(K)fluoranthene (mg/kg)	2.2	ND				ND		ND			
Benzo(A)pyrene (mg/kg)	0.022	ND				ND		ND			
Chrysene (mg/kg)	22	ND				ND		ND			
Dibenzo(A,H)anthracene (mg/kg)	0.022	ND				ND		ND			
Fluoranthene (mg/kg)	1,000	ND				ND		ND			
Fluorene (mg/kg)	1,000	ND				ND		ND			
Indeno(1,2,3,C,D)pyrene (mg/kg)	0.22	ND				ND		ND			
Napthalene (mg/kg)	23	ND				ND		ND			
Pyrene (mg/kg)	1,000	ND				ND		ND			
Inorganics											
Electrical Conductivity (EC) (mmhos/cm)	<4 or 2x background	24	14	33	12	6.5	6.9	15	14	5.9	
Sodium Adsorption Ratio (SAR)	<12	31	110	270	19	16	16	23	27	31	
pH	6 to 9	7.81	10.2	9.69	8.1	8.41	8.57	8.37	8.87	8.39	
Metals											
Arsenic (mg/kg)	0.39	5.8				6		6.1			Typical of background values
Barium (LDNR True Total Barium) (mg/kg)	15,000	360				380		380			
Boron (Hot Water Soluble) mg/L	2	NA				NA		NA			required only for orchard location
Cadmium (mg/kg)	70	ND				ND		ND			
Chromium III (mg/kg)	120,000	13				16		14			
Chromium VI (mg/kg)	23	ND				ND		ND			
Copper (mg/kg)	3,100	13				13		12			
Lead (inorganic) (mg/kg)	400	ND				ND		ND			
Mercury (mg/kg)	23	ND				ND		ND			
Nickel (Soluble Salts) (mg/kg)	1,600	12				12		11			
Selenium (mg/kg)	390	ND				ND		ND			
Silver (mg/kg)	390	ND				ND		ND			
Zinc (mg/kg)	23,000	35				43		43			