

Table 910-1 Parameters
Summary of Lab Results from Samples Collected from Dara Ferguson
8/14/2015

Contaminant of Concern in Soil	COGCC Table 910-1 Allowable Level	Sample - Breech Outside Berm (South Side)	Sample - Next to Pipes (Inside Overflow Tank Pit)	Sample - Inside Berm, Between Large Tanks	Sample - Inside Berm, South End	Sample - Background	Notes
Organic Compounds							
TPH (DRO + GRO) (mg/kg)	500	<10.0 + (<10.0 + <10.0) = <30.0	<10.0 + (70.4 + 88.6) = <169.0	<10.0 + (531 + 651) = <1,192	<10.0 + (887 + 950) = <1,837		
Benzene (mg/kg)	0.17	<0.050	<0.050	<0.050	<0.050		
Toluene (mg/kg)	85	<0.050	<0.050	<0.050	<0.050		
Ethylbenzene (mg/kg)	100	<0.050	<0.050	<0.050	<0.050		
Xylenes (total) (mg/kg)	175	<0.150	<0.150	<0.150	<0.150		
Acenaphthene (mg/kg)	1,000	<0.003			<0.026		
Anthracene (mg/kg)	1,000	<0.003			<0.032		
Benzo(A)anthracene (mg/kg)	0.22	<0.016			<0.156		
Benzo(B)fluoranthene (mg/kg)	0.22	<0.003			<0.034		
Benzo(K)fluoranthene (mg/kg)	2.2	<0.004			<0.037		
Benzo(A)pyrene (mg/kg)	0.022	<0.003			<0.028		
Chrysene (mg/kg)	22	<0.003			0.124		
Dibenzo(A,H)anthracene (mg/kg)	0.022	<0.003			<0.026		
Fluoranthene (mg/kg)	1,000	<0.007			<0.071		
Fluorene (mg/kg)	1,000	<0.003			0.036		
Indeno(1,2,3,C,D)pyrene (mg/kg)	0.22	<0.003			<0.027		
Napthalene (mg/kg)	23	<0.002			<0.018		
Pyrene (mg/kg)	1,000	<0.003			<0.030		
Inorganics							
Electrical Conductivity (EC) (mmhos/cm)	<4 or 2x background	4.140			2.010	4.010	
Sodium Adsorption Ratio (SAR)	<12	delayed results			delayed results	delayed results	
pH	6 to 9	8.13			8.10	7.98	
Metals							
Arsenic (mg/kg)	0.39	delayed results			delayed results		
Barium (LDNR True Total Barium) (mg/kg)	15,000	238			303		
Boron (Hot Water Soluble) mg/L	2	delayed results			delayed results		
Cadmium (mg/kg)	70	<5.00			<5.00		
Chromium III (mg/kg)	120,000	<5.00			<5.00		
Chromium VI (mg/kg)	23	<5.00			<5.00		
Copper (mg/kg)	3,100	40.2			46.3		
Lead (inorganic) (mg/kg)	400	<10.0			10.5		
Mercury (mg/kg)	23	delayed results			delayed results		
Nickel (Soluble Salts) (mg/kg)	1,600	8.53			8.15		
Selenium (mg/kg)	390	<20.0			<20.0		
Silver (mg/kg)	390	<5.00			<5.00		
Zinc (mg/kg)	23,000	39.1			40.0		