

Table 1. Laboratory Results Summary
Pit Contents, Spoils Pile, and Background Samples
PCU 297-13A

Analytical Parameter (with units)	PIT SAMPLES			Spoil Pile Samples			BACKGROUND SAMPLES							COGCC	Maximum Allowable Level (based on background)
	Fresh Water Pit - Sediment Contents (297-13 F.W.)	Reserve Pit - Sediment Contents (297-13A RT)	Cuttings Pit - Sediment Contents (297-13 CT)	North-stockpile composite (297- 13 CS-1)	Mid-stockpile composite (297- 13 CS-2)	West-stockpile composite (297-13 CS-3)	Surficial Bckgrnd. Soil @ Point 1 (297-13 B1A)	Deep Bckgrnd. Soil @ Point 1 (297-13 B1B)	Surficial Bckgrnd. Soil @ Point 2 (297-13 B2A)	Deep Bckgrnd. Soil @ Point 2 (297-13 B2B)	Surficial Bckgrnd. Soil @ Point 3 (297-13 B3A)	Deep Bckgrnd. Soil @ Point 3 (297- 13 B3B)	Table 910-1 Allowable Levels		
TPH (TVH and TEPH) (mg/Kg)	222,871	271	19,077	64	123	85.5	-	-	-	-	-	-	500	na	
Benzene (mg/Kg)	1.260	ND	ND	ND	ND	ND	-	-	-	-	-	-	0.17	na	
Toluene (mg/Kg)	4.580	ND	0.368	ND	ND	ND	-	-	-	-	-	-	85	na	
Ethylbenzene (mg/Kg)	3.880	ND	ND	ND	ND	ND	-	-	-	-	-	-	100	na	
Xylenes (total) (mg/Kg)	83.900	0.012	ND	ND	ND	ND	-	-	-	-	-	-	175	na	
Acenaphthene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	1,000	na	
Anthracene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	1,000	na	
Benzo(A)anthracene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	0.22	na	
Benzo(B)fluoranthene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	0.22	na	
Benzo(K)fuoranthene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	2.2	na	
Benzo(A)pyrene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	0.022	na	
Chrysene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	22	na	
Dibenzo(A,H)anthracene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	0.022	na	
Fluoranthene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	1,000	na	
Fluorene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	1,000	na	
Indo(1,2,3,C,D)pyrene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	0.22	na	
Naphthalene (mg/Kg)	ND	ND	ND	0.160	0.185	ND	-	-	-	-	-	-	23	na	
Pyrene (mg/Kg)	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	1,000	na	
Electrical Conductivity (mmhos/cm)	3.360	23.900	3.110	4.690	9.410	5.650	0.273	0.379	0.368	0.343	0.365	0.478	<4or 2X background	na	
Sodium Adsorption Ratio (SAR)	8.79	160	36.1	8.75	12.1	10.0	0.945	4.17	0.663	1.06	0.784	7.95	<12	na	
pH	8.81	9.58	9.37	9.18	8.77	9.29	8.99	9.39	8.80	9.19	8.91	9.63	6-9	12.06	
Arsenic (mg/Kg)	8.6	1.3	3.7	4.6	6.5	6.0	4.7	8.5	3.8	3.1	6.6	4.6	0.39	12.3	
Barium (mg/Kg)	9050	9,200	5,580	5,110	5,630	3,820	-	-	-	-	-	-	15,000	na	
Boron (mg/Kg)	46.8	9.8	13.4	10.3	12.0	6.3	-	-	-	-	-	-	2	na	
Cadmium (mg/Kg)	<1.2	ND	<0.96	<0.99	<0.92	<0.91	-	-	-	-	-	-	70	na	
Chromium (III) (mg/Kg)	75.2	3.3	20.5	29.8	29.6	34.1	-	-	-	-	-	-	120,000	na	
Chromium (VI) (mg/Kg)	<2.7	ND	<2.5	<2.4	<2.4	<2.2	-	-	-	-	-	-	23	na	
Copper (mg/Kg)	85.6	10B	14.8	12.6	16.7	14.0	-	-	-	-	-	-	3,100	na	
Lead (inorganic) (mg/Kg)	35.6	ND	13.2	18.9	22.9	18.5	-	-	-	-	-	-	400	na	
Mercury (mg/Kg)	9.4	0.013	<0.13	<0.11	<0.12	<0.11	-	-	-	-	-	-	23	na	
Nickel (mg/Kg)	23.8	3.4	12.3	13.7	14.7	15.6	-	-	-	-	-	-	1,600	na	
Selenium (mg/Kg)	<5.8	ND	<4.8	<5.0	<4.6	<4.6	-	-	-	-	-	-	390	na	
Silver (mg/Kg)	<3.5	ND	<2.9	<3.0	<2.8	<2.7	-	-	-	-	-	-	390	na	
Zinc (mg/Kg)	167	48	59.0	47.9	54.6	48.7	-	-	-	-	-	-	23,000	na	

- Notes:
- 1) "-" indicates no analysis.
 - 2) ND = not detectible to the laboratory detection limit.
 - 3) Results highlighted in yellow exceed Table 910-1 parameters. Results highlighted in grey exceed Table 910-1, but are below maximum allowable levels based on background statistical analyses.
 - 4) Refer to the Appendix B Sampling Exhibit for approximate sample locations.
 - 5) Refer to Appendix C for the complete laboratory results.
 - 6) na - not applicable (because no background data was collected, or statistical analysis determined that background levels were below Table 910-1 allowable levels).