

Table 1
10 Inch Crest Line Spill
Soil Data Summary

SAMPLE SUMMARY	
Location Description	10 Inch Crest Line Spill
Sample Type	Soil

LABORATORY DATA SUMMARY																							
Sample ID	10 IN CREST LINE SS1	10 IN CREST LINE SS1	10 IN CREST LINE SS2	10 IN CREST LINE SS3	10 IN CREST LINE SS4	10 IN CREST LINE SS4	10 IN CREST LINE SS5	10 IN CREST LINE SS5	10 IN CREST LINE SS6	10 IN CREST LINE SS6	10 IN CREST LINE SS7	10 IN CREST LINE SS7	10 IN CREST LINE BG1	10 IN CREST LINE BG1	10 IN CREST LINE BG2	10 IN CREST LINE BG2	10 IN CREST LINE BG3	10 IN CREST LINE BG3	ACM17-BG1	ECMC TABLE 915-1 CONCENTRATION LEVELS			
Depth	1'	1'	1'	1'	1'	1'	1'	1'	1'	1'	1'	1'	1'	1'	1'	1'	1'	1'	0.5'				
Sample Date	7/12/2023	4/8/2025	7/12/2023	7/12/2023	7/12/2023	4/8/2025	7/12/2023	4/8/2025	7/12/2023	4/8/2025	7/12/2023	4/8/2025	7/12/2023	4/8/2025	7/12/2023	4/8/2025	7/12/2023	4/8/2025	3/18/2021	Residential Soil		Protection of Groundwater	UNITS
Analytical Parameters																							
TPH	0.111	NT	0.195	0.13	0.18	NT	0.132	NT	0.107	NT	0.0924 J	NT	NT	NT	NT	NT	NT	NT	NT	500		mg/kg	
TPH (C10-C28)	18.1	NT	1.65 J	17.0	6.67	NT	4.00	NT	15.3	NT	116	NT	NT	NT	NT	NT	NT	NT	NT				
TPH (C28-C36)	47.8	NT	8.01	88.2	13.3	NT	2.87 J	NT	45.4	NT	322	NT	NT	NT	NT	NT	NT	NT	NT				
Volatile Organic Compounds																							
1,2,4-Trimethylbenzene	<0.005	NT	<0.005	<0.005	<0.005	NT	<0.005	NT	<0.005	NT	<0.005	NT	NT	NT	NT	NT	NT	NT	NT	30	0.0081	mg/kg	
1,3,5-Trimethylbenzene	<0.005	NT	<0.005	<0.005	<0.005	NT	<0.005	NT	<0.005	NT	<0.005	NT	NT	NT	NT	NT	NT	NT	NT	27	0.0087	mg/kg	
Benzene	<0.001	NT	<0.001	<0.001	<0.001	NT	<0.001	NT	<0.001	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	1.2	0.0026	mg/kg	
Toluene	0.00178 J	NT	<0.005	<0.005	<0.005	NT	<0.005	NT	<0.005	NT	<0.005	NT	NT	NT	NT	NT	NT	NT	NT	490	0.69	mg/kg	
Ethylbenzene	<0.0025	NT	<0.0025	<0.0025	<0.0025	NT	<0.0025	NT	<0.0025	NT	<0.0025	NT	NT	NT	NT	NT	NT	NT	NT	5.8	0.78	mg/kg	
Total Xylene	0.00133 J	NT	0.00185 J	0.0011 J	0.0011 J	NT	<0.0065	NT	<0.0065	NT	0.000925 J	NT	NT	NT	NT	NT	NT	NT	NT	58	9.9	mg/kg	
Metals																							
Arsenic	6.00	NT	4.76	6.27	5.57	NT	5.36	NT	5.73	NT	6.59	NT	4.90	NT	5.36	NT	5.96	NT	6.4	0.68	0.29	mg/kg	
Barium	190	NT	92.9	128	69.3	NT	111	NT	130	NT	198	NT	94	NT	212	NT	95.7	NT	150	15,000	82	mg/kg	
Cadmium	0.186 J	NT	0.150 J	0.247 J	0.135 J	NT	0.181 J	NT	0.183 J	NT	0.229 J	NT	0.170 J	NT	0.203 J	NT	0.193 J	NT	0.17	71	0.38	mg/kg	
Chromium, Hexavalent	<1.00	NT	<1.00	<1.00	<1.00	NT	<1.00	NT	<1.00	NT	<1.00	NT	<1.00	NT	<1.00	NT	<1.00	NT	<0.99	0.3	0.00067	mg/kg	
Copper	9.68	NT	8.71	11.8	9.63	NT	10.6	NT	10.1	NT	11.6	NT	8.17	NT	9.83	NT	11.7	NT	13	3,100	46	mg/kg	
Lead	13.0	NT	11.0	15.2	11.6	NT	11.8	NT	17.1	NT	17.7	NT	10.1	NT	12.7	NT	16.5	NT	17	400	14	mg/kg	
Nickel	14.3	NT	14.3	14.3	12.2	NT	13.7	NT	13.1	NT	15.8	NT	11.0	NT	12.6	NT	13.9	NT	17	1,500	26	mg/kg	
Selenium	0.900 J	NT	0.985 J	0.984 J	0.973 J	NT	1.20 J	NT	0.974 J	NT	1.16 J	NT	0.590 J	NT	0.745 J	NT	1.36 J	NT	0.82	390	0.26	mg/kg	
Silver	<0.500	NT	<0.500	<0.500	<0.500	NT	<0.500	NT	<0.500	NT	<0.500	NT	<0.500	NT	<0.500	NT	0.0893 J	NT	0.083 J	390	0.8	mg/kg	
Zinc	65.8	NT	49.1	63.7	51.9	NT	60.5	NT	71.6	NT	87.7	NT	46.3	NT	51.2	NT	63.5	NT	67	23,000	370	mg/kg	
Soil Suitability for Reclamation																							
Sodium Adsorption Ratio (SAR)	41.4	4.58	0.105	1.26	65.9	0.187	63.6	0.755	69.3	0.516	63.1	48.9	NT	0.0391	NT	0.296	NT	0.228	0.14	<8	<8	ratio	
Electrical Conductivity (EC)	10.60	4.12	1.84	0.356	16.20	0.283	7.73	0.347	14.00	0.255	15.20	11.20	NT	2.4	NT	0.229	NT	2.440	0.51	<4	<4	mmhos/cm	
pH	8.33	NT	7.72	8.50	7.80	NT	8.98	NT	8.27	NT	7.92	NT	7.71	NT	8.14	NT	7.58	NT	9.53	6 - 8.3	6 - 8.3	su	
Boron, Hot Water Soluble	5.55	1.94	0.853	0.894	4.17	0.496	4.13	0.831	4.10	0.553	4.59	3.39	0.771	NT	0.80	NT	1.75	NT	1.60	2	2	mg/l	
Polynuclear Aromatic Hydrocarbons																							
1-Methylnaphthalene	<0.02	NT	<0.02	<0.02	<0.02	NT	<0.02	NT	<0.02	NT	0.00493 J	NT	NT	NT	NT	NT	NT	NT	NT	18	0.006	mg/kg	
2-Methylnaphthalene	<0.02	NT	<0.02	<0.02	<0.02	NT	<0.02	NT	<0.02	NT	0.00526 J	NT	NT	NT	NT	NT	NT	NT	NT	24	0.019	mg/kg	
Acenaphthene	<0.006	NT	<0.006	<0.006	<0.006	NT	<0.006	NT	<0.006	NT	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	360	0.55	mg/kg	
Anthracene	0.00299 J	NT	<0.006	0.00753	<0.006	NT	<0.006	NT	<0.006	NT	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	1,800	5.8	mg/kg	
Benzo(a)anthracene	<0.006	NT	<0.006	0.0239	<0.006	NT	<0.006	NT	<0.006	NT	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	1.1	0.011	mg/kg	
Benzo(a)pyrene	<0.006	NT	<0.006	0.015	<0.006	NT	<0.006	NT	<0.006	NT	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	0.11	0.24	mg/kg	
Benzo(b)fluoranthene	<0.006	NT	<0.006	0.0303	<0.006	NT	<0.006	NT	<0.006	NT	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	1.1	0.3	mg/kg	
Benzo(k)fluoranthene	<0.006	NT	<0.006	0.0103	<0.006	NT	<0.006	NT	<0.006	NT	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	11	2.9	mg/kg	
Chrysene	<0.006	NT	<0.006	0.0267	<0.006	NT	<0.006	NT	<0.006	NT	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	110	9	mg/kg	
Dibenz(a,h)anthracene	<0.006	NT	<0.006	0.00315 J	<0.006	NT	<0.006	NT	<0.006	NT	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	0.11	0.066	mg/kg	
Fluoranthene	<0.006	NT	<0.006	0.0931	<0.006	NT	<0.006	NT	<0.006	NT	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	240	8.9	mg/kg	
Fluorene	0.00418 J	NT	<0.006	<0.006	<0.006	NT	<0.006	NT	<0.006	NT	0.00348 J	NT	NT	NT	NT	NT	NT	NT	NT	240	0.54	mg/kg	
Indeno(1,2,3-cd)pyrene	<0.006	NT	<0.006	0.0166	<0.006	NT	<0.006	NT	<0.006	NT	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	1.1	0.98	mg/kg	
Naphthalene	<0.02	NT	<0.02	<0.02	<0.02	NT	<0.02	NT	<0.02	NT	<0.02	NT	NT	NT	NT	NT	NT	NT	NT	2	0.0038	mg/kg	
Pyrene	0.00349 J	NT	<0.006	0.0823	<0.006	NT	<0.006	NT	<0.006	NT	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	180	1.3	mg/kg	

mg/kg - milligrams per kilogram
mg/l - milligrams per liter
B - sample detected in the associated Method Blank above the Reporting Limit
J - indicates an estimated value
H - analyzed outside of holding time
m/m - millibars
m - millibars
m - millibars
NA - not applicable
NT - parameter was not tested

Over ECMC Table 915-1 concentration levels but under BACKGROUND level
Over ECMC Table 915-1 concentration levels and not within BACKGROUND level
Over ECMC Table 915-1 concentration levels