

Table 1  
Fee 40 Lateral Spill  
Soil Data Summary

SAMPLE SUMMARY	
Location Description	Fee 40 Lateral
Sample Type	Soil

LABORATORY DATA SUMMARY																
Sample ID	FEE 40 (ORIGIN)	FEE 40-SS1	FEE 40-SS2	FEE 40-SS3	FEE 40-SS4	FEE 40-SS4	FEE 40-BG1	FEE 40-BG1	FEE 40-BG2	FEE 40-BG2	FEE91X-BG1	CAR3234-BG1	UP6927-BG1	ECMC TABLE 915-1 CONCENTRATION LEVELS		
Depth	7'	1'	1'	1'	1'	1'	1'	1'	1'	1'	0-6"	0-6"	0-6"	Residential Soil Screening Level	Protection of Groundwater Screening Level	
Sample Date	12/20/2022	7/11/2023	7/11/2023	7/11/2023	7/11/2023	4/8/2025	7/11/2023	4/8/2025	7/11/2023	4/8/2025	9/17/2014	10/6/2017	11/8/2018			
Analytical Parameters														Residential Soil Screening Level	Protection of Groundwater Screening Level	UNITS
<b>TPH</b>																
TPH Gasoline Range Organics	0.0437 J	0.102	0.125	0.101	0.117	NT	NT	NT	NT	NT	NT	NT	NT			
TPH Diesel Range Organics	16.5	1.90 J	6.69	8.79	5.97	NT	NT	NT	NT	NT	NT	NT	NT	500		mg/kg
TPH Oil Range Organics	18.3	6.0	35.0	25.7	18.6	NT	NT	NT	NT	NT	NT	NT	NT			
<b>Volatle Organic Compounds</b>																
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	1.2	0.0026	mg/kg
Toluene	<0.005	<0.005	<0.005	<0.005	<0.005	NT	NT	NT	NT	NT	NT	NT	NT	490	0.69	mg/kg
Ethylbenzene	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	NT	NT	NT	NT	NT	NT	NT	NT	5.8	0.78	mg/kg
Total Xylene	<0.0065	0.00133 J	<0.0065	0.00105 J	0.000925 J	NT	NT	NT	NT	NT	NT	NT	NT	58	9.9	mg/kg
1,2,4-Trimethylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	NT	NT	NT	NT	NT	NT	NT	NT	30	0.0081	mg/kg
1,3,5-Trimethylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	NT	NT	NT	NT	NT	NT	NT	NT	27	0.0087	mg/kg
<b>Metals</b>																
Arsenic	7.59	5.43	7.17	7.39	6.75	NT	6.00	NT	6.81	NT	7.80	10	5.0	0.68	0.29	mg/kg
Barium	29.6	164	200	152	231	NT	210	NT	430	NT	860	170	120	15,000	82	mg/kg
Cadmium	<1.00	0.212 J	0.374 J	0.409 J	0.302 J	NT	0.305 J	NT	0.461 J	NT	0.69	3.9	0.17 J	71	0.38	mg/kg
Chromium, Hexavalent	<1.00	<1.00	0.262 J	<1.00	<1.00	NT	<1.00	NT	<1.00	NT	<0.51	<1.1	<1.1	0.3	0.00067	mg/kg
Copper	3.54 J	12.0	16.9	17.3	15.0	NT	14.7	NT	18.0	NT	17	20	15	3,100	46	mg/kg
Lead	8.17	13.7	20.7	18.9	17.1	NT	15.6	NT	50.0	NT	57	19	12	400	14	mg/kg
Nickel	6.87	14.6	20.1	17.0	20.1	NT	17.0	NT	20.1	NT	20	26	15	1,500	26	mg/kg
Selenium	0.420 J	1.21 J	1.62 J	1.39 J	1.48 J	NT	1.25 J	NT	1.36	NT	3.0	5.9	0.94	390	0.26	mg/kg
Silver	<0.500	<0.500	0.0953 J	0.116 J	<0.500	NT	<0.500	NT	0.103 J	NT	<1.6	2.9	<0.41	390	0.8	mg/kg
Zinc	26.7	60.1	86.7	83.6	79.7	NT	70.3	NT	92.1	NT	310	110	75	23,000	370	mg/kg
<b>Soil Suitability for Reclamation</b>																
Sodium Adsorption Ratio (SAR)	0.126	0.417	0.388	5.74	21.4	19.0	NT	0.383	NT	0.479	5.1	0.71	16	<6	<6	ratio
Electrical Conductivity (EC)	0.182	0.289	0.415	3.240	5.020	16.0	NT	0.260	NT	0.176	1.2	12	9.8	<4	<4	mmhos/cm
Boron, Hot Water Soluble	0.602	0.589	0.662	1.81	2.45	1.08	0.58	NT	1.32	NT	NT	NT	NT	2	2	mg/l
pH	8.43	8.24	8.12	7.84	8.30	NT	NT	8.09	NT	8.22	8.60	7.78	8.35	6 - 8.3	6 - 8.3	su
<b>Polynuclear Aromatic Hydrocarbons</b>																
Acenaphthene	<0.006	<0.006	<0.006	<0.006	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	360	0.55	mg/kg
Anthracene	<0.006	<0.006	<0.006	<0.006	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	1,800	5.8	mg/kg
Benzo(a)anthracene	<0.006	<0.006	<0.006	<0.006	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	1.1	0.011	mg/kg
Benzo(a)pyrene	<0.006	<0.006	<0.006	<0.006	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	0.11	0.24	mg/kg
Benzo(b)fluoranthene	<0.006	<0.006	<0.006	<0.006	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	1.1	0.3	mg/kg
Benzo(k)fluoranthene	<0.006	<0.006	<0.006	<0.006	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	11	2.9	mg/kg
Chrysene	<0.006	<0.006	<0.006	<0.006	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	110	9	mg/kg
Dibenzo(a,h)anthracene	<0.006	<0.006	<0.006	<0.006	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	0.11	0.096	mg/kg
Fluoranthene	<0.006	<0.006	<0.006	<0.006	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	240	8.9	mg/kg
Fluorene	<0.006	<0.006	<0.006	<0.006	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	240	0.54	mg/kg
Indeno(1,2,3-cd)pyrene	<0.006	<0.006	<0.006	<0.006	<0.006	NT	NT	NT	NT	NT	NT	NT	NT	1.1	0.98	mg/kg
1-Methylnaphthalene	<0.02	<0.02	<0.02	<0.02	<0.02	NT	NT	NT	NT	NT	NT	NT	NT	18	0.006	mg/kg
2-Methylnaphthalene	<0.02	<0.02	<0.02	<0.02	<0.02	NT	NT	NT	NT	NT	NT	NT	NT	24	0.019	mg/kg
Napthalene	<0.02	<0.02	<0.02	<0.02	<0.02	NT	NT	NT	NT	NT	NT	NT	NT	2	0.0038	mg/kg
Pyrene	<0.006	<0.006	<0.006	<0.006	<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 - analyte detected in the associated Method Blank above the Reporting Limit  
 J - indicates an estimated value  
 H - analyzed outside of holding time  
 mmhos/cm - millimhos per centimeter  
 mv - millivolts  
 su - standard units  
 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