

Table 1
28-10 Loadout Facility (Location 421296)
Soil Sampling Summary

LABORATORY DATA SUMMARY										
Sample ID	28-10: POR 4'	28-10: SI 0-8"	28-10: S1 10-14"	28-10: S2 0-4"	28-10: T1 0-3"	28-10: BGN	28-10: BGS	BG-E 6-12 IN	COGCC TABLE 910-1 CONCENTRATION LEVELS	UNITS
Sample Type	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab		
Sample Depth	4'	0-8"	10-14"	0-4"	0-3"	6-8"	6-8"	6-12"		
Sample Date	8/13/2019	8/13/2019	8/13/2019	8/13/2019	8/13/2019	8/13/2019	8/13/2019	4/20/2012		
Longitude N	39.399080	39.39908	39.399080	39.39898	39.398970	39.39947	39.399130			
Latitude W	-108.26019	-108.26022	-108.26022	-108.26025	-108.26028	-108.25978	-108.25955			
Sample Description	Surface Sample for Spill Investigation and Characterization - at Point of Release	Surface Sample for Spill Investigation and Characterization - Flowpath Surface	Surface Sample for Spill Investigation and Characterization - Flowpath at Depth	Surface Sample for Spill Investigation and Characterization - Flowpath Surface	Surface Sample for Spill Investigation and Characterization - Flowpath Surface, Terminus	Background Sample - East of Release	Background Sample Southeast of Release	Background Sample - East of Release at Road Cut		
Analytical Parameters										
TPH										
TPH Gasoline Range Organics	39.4	28.8	80.8	249	81.2				500	mg/kg
TPH Diesel Range Organics	85.1	0.434	0.182	0.171	0.159					
BTEX										
Benzene	1.11	0.0157	0.00443	0.0042	0.00226				0.17	mg/kg
Toluene	3.6	0.03	0.00627	0.00859	ND				85	mg/kg
Ethylbenzene	0.283	0.00348	0.000969	0.00175	0.00195				100	mg/kg
Total Xylene	4.99	0.016	0.0047	0.00592	0.0025				175	mg/kg
Polynuclear Aromatic Hyrdrocarbons										
Anthracene	ND	ND	ND	ND	ND				1,000	mg/kg
Acenaphthene	ND	ND	ND	ND	ND				1,000	mg/kg
Benzo(a)anthracene	ND	ND	ND	ND	ND				0.22	mg/kg
Benzo(a)pyrene	ND	ND	ND	ND	ND				0.022	mg/kg
Benzo(b)fluoranthene	ND	ND	ND	ND	ND				0.22	mg/kg
Benzo(k)fluoranthene	ND	ND	ND	ND	ND				2.2	mg/kg
Chrysene	ND	ND	ND	ND	ND				22	mg/kg
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND				0.022	mg/kg
Fluoranthene	ND	ND	ND	ND	ND				1,000	mg/kg
Fluorene	ND	ND	ND	ND	ND				1,000	mg/kg
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND				0.22	mg/kg
Napthalene	0.02	ND	ND	ND	ND				23	mg/kg
Pyrene	ND	ND	ND	ND	ND				1,000	mg/kg
Metals										
Arsenic	6.0	7.6	6.7	13.2	5.3	5.98	2.9	11.0	0.39	mg/kg
Barium	293	382	415	393	330				15,000	mg/kg
Cadmium	ND	ND	1.19	0.563	ND				70	mg/kg
Chromium, Trivalent	14.4	12.3	11.6	20.2	11.1				120,000	mg/kg
Chromium, Hexavalent	ND	ND	ND	ND	ND				23	mg/kg
Copper	14.9	15.8	13.3	21.6	11.6				3,100	mg/kg
Lead	9.6	10.9	11.7	12.3	8.7				400	mg/kg
Mercury	ND	ND	0.0306	ND	0.033				23	mg/kg
Nickel	13.5	14.1	11.3	17.4	11				1,600	mg/kg
Selenium	ND	ND	ND	ND	ND				390	mg/kg
Silver	ND	ND	ND	ND	ND				390	mg/kg
Zinc	45	46.1	40	54.6	39				23,000	mg/kg
SAR Metals Analysis										
Sodium Adsorption Ratio	18.6	14.5	7.36	9.03	10.7	1.0	0.319		<12	ratio
General Chemistry										
Specific Conductivity	4.14	3.64	0.381	2.78	3.07	0.293	0.203		<4 or 2X Background	mmhos/cm
pH	7.93	8.28	8.79	8.01	8.21				6-9	su

mg/kg - milligrams per kilogram
mg/L - milligrams per liter
J - indicates an estimated value
mmhos/cm - millimhos per centimeter
mv - millivolts
su - standard units
NA - not applicable

NT - parameter was not tested
ND - not detected above method detection limit
Over COGCC Table 910-1 concentration levels but under BACKGROUND level.
Over COGCC Table 910-1 concentration levels and not within BACKGROUND level.
Over COGCC Table 910-1 concentration levels