

Table 1
28-10 Loadout Facility Spill Response
Soil Sampling Summary

LABORATORY DATA SUMMARY														
Sample ID	28-10: POR 4'	LT 28-10 SS1	LT 28-10 SS2	LT 28-10 SS3	LT 28-10 SS3	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	
Sample Type	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab		
Sample Depth	4'	6'	6'	6'	6'	0-8"	10-14"	0-4"	0-3"	6-8"	6-8"	6-12"		
Sample Date	8/13/2019	4/10/2020	4/10/2020	4/10/2020	4/10/2020	8/13/2019	8/13/2019	8/13/2019	8/13/2019	8/13/2019	8/13/2019	4/20/2012		
Latitude N	39.399080	39.399091	39.399084	39.399099	39.399099	39.39908	39.399080	39.39898	39.398970	39.39947	39.399130	39.39947		
Longitude W	-108.26019	-108.260198	-108.260199	-108.260196	-108.260196	-108.26022	-108.26022	-108.26025	-108.26028	-108.25978	-108.25955	-108.25978		
Sample Description	Surface Sample for Spill Investigation and Characterization - at Point of Release	Point of Release Re-sample after excavation directly below pipe	Point of Release Re-sample in SW corner of excavation	Point of Release Re-sample in NW corner of excavation	Arsenic Re-Run	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	Historical Background		
Analytical Parameters														UNITS
TPH														
TPH Gasoline Range Organics	39.4	0.245	0.689	0.123	NT	28.8	80.8	249	81.2	NT	NT	NT	500	mg/kg
TPH Diesel Range Organics	85.1	ND	4.30	8.10	NT	0.434	0.182	0.171	0.159	NT	NT	NT		
BTEX														
Benzene	1.11	0.00267	0.0641	0.00277	NT	0.0157	0.00443	0.0042	0.00226	NT	NT	NT	0.17	mg/kg
Toluene	3.6	ND	0.00505	0.00670	NT	0.03	0.00627	0.00859	0.00859	NT	NT	NT	85	mg/kg
Ethylbenzene	0.283	0.00296	0.0100	0.00407	NT	0.00348	0.000969	0.00175	0.00195	NT	NT	NT	100	mg/kg
Total Xylene	4.99	0.00288	0.0314	0.00483	NT	0.016	0.0047	0.00592	0.0025	NT	NT	NT	175	mg/kg
Polynuclear Aromatic Hydrocarbons														
Anthracene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
Acenaphthene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
Benzo(a)anthracene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	0.22	mg/kg
Benzo(a)pyrene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	0.022	mg/kg
Benzo(b)fluoranthene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	0.22	mg/kg
Benzo(k)fluoranthene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	2.2	mg/kg
Chrysene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	22	mg/kg
Dibenzo(a,h)anthracene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	0.022	mg/kg
Fluoranthene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
Fluorene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	0.22	mg/kg
Napthalene	0.02	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	23	mg/kg
Pyrene	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
Metals														
Arsenic	6.0	5.00	6.36	11.1	5.90	7.6	6.7	13.2	5.3	5.98	2.9	11.0	0.39	mg/kg
Barium	293	283	283	316	NT	382	415	393	330	NT	NT	NT	15,000	mg/kg
Cadmium	ND	ND	ND	ND	NT	ND	1.19	0.563	ND	NT	NT	NT	70	mg/kg
Chromium, Trivalent	14.4	15.3	16.6	16.2	NT	12.3	11.6	20.2	11.1	NT	NT	NT	120,000	mg/kg
Chromium, Hexavalent	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	23	mg/kg
Copper	14.9	15.3	15.3	15.6	NT	15.8	13.3	21.6	11.6	NT	NT	NT	3,100	mg/kg
Lead	9.6	10.1	10.0	9.82	NT	10.9	11.7	12.3	8.7	NT	NT	NT	400	mg/kg
Mercury	ND	ND	ND	ND	NT	ND	0.0306	ND	0.033	NT	NT	NT	23	mg/kg
Nickel	13.5	14.9	15.5	15.7	NT	14.1	11.3	17.4	11	NT	NT	NT	1,600	mg/kg
Selenium	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	390	mg/kg
Silver	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	NT	NT	390	mg/kg
Zinc	45	49.0	48.9	50.7	NT	46.1	40	54.6	39	NT	NT	NT	23,000	mg/kg
SAR Metals Analysis														
Sodium Adsorption Ratio	18.6	7.07	15.9	6.84	NT	14.5	7.36	9.03	10.7	1.0	0.319	NT	<12	ratio
General Chemistry														
Specific Conductivity	4.14	1.580	2.330	2.220	NT	3.64	0.381	2.78	3.07	0.293	0.203	NT	<4 or 2X Background	mmhos/cm
pH	7.93	8.24	8.25	8.02	NT	8.28	8.79	8.01	8.21	NT	NT	NT	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
NT- Not Tested

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