

Table 1
Summit Midstream C15W Spill
Soil Analytical Results

LABORATORY DATA SUMMARY																					
Sample ID	North Trench Floor (5C) (3422-1)	North Trench S. Wall (5C) (3422-2)	North Trench N. Wall (5C) (3422-3)	East Floor (G) (3422-4)	West Floor (G) (3422-5)	West Wall South (G) (3422-6)	West Wall North (G) (3422-7)	East Wall (G) (3422-8)	South Wall East (G) (3422-9)	South Wall West (G) (3422-10)	North Wall East (G) (3422-11)	North Wall West (G) (3422-12)	Sample #1 (3393-2)	Sample #2 (3393-3)	Sample #3 (3393-4)	Sample #5 (3393-5)	Baseline Sample (3393-6)	Background (Fill Slope) (3422-13)	Background Sample (3393-1)	COGCC TABLE 910-1 CONCENTRATION LEVELS	UNITS
Sample Depth	6'	0-6'	0-6'	7'	14'	5'	6'	6'	6'	5'	6'	6'	Surface after initial cleanup	Surface after initial cleanup	Surface after initial cleanup	Surface after initial cleanup	Surface, excavated	0-12"	0-12"		
Sample Type	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab		
Sample Description	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Baseline	Background	Background		
Lab Report #	3422	3422	3422	3422	3422	3422	3422	3422	3422	3422	3422	3422	3393	3393	3393	3393	3393	3422	3393		
Sample Date	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/3/2020	12/3/2020	12/7/2020	12/4/2020	12/8/2020	12/14/2020	12/3/2020		
Analytical Parameters																					
TPH																					
TPH Gasoline Range Organics	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	500	mg/kg
TPH Diesel Range Organics	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0		
TOTAL TPH	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0		
BTX																					
Benzene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.17	mg/kg
Toluene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	85	mg/kg
Ethylbenzene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	100	mg/kg
Total Xylenes	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.134	<0.050	<0.050	<0.050	0.061	<0.050	<0.050	<0.050	175	mg/kg
Metals																					
Arsenic	5.2	4.6	4.7	4.2	7.9	4.0	4.7	5.2	4.8	5.2	5.0	4.9	5.6	5.4	4.5	4.5	9.3	4.3	5.5	0.39	mg/kg
Barium	69.5	73.8	62.9	42.4	34.1	65.8	97.3	79.9	84.1	151	94.8	109	100	71.0	33.3	72.2	84.5	105	172	15,000	mg/kg
Cadmium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.983	1.63	<0.5	<0.5	<0.5	<0.5	<0.5	0.792	<0.5	<0.5	70	mg/kg
Chromium (Trivalent)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.532	<0.5	<0.5	<0.5	3.24	7.28	0.52	<0.5	<0.5	<0.5	0.749	<0.5	4.48	120,000	mg/kg
Chromium (Hexavalent)	<0.12	<0.11	<0.11	<0.12	<0.12	<0.11	<0.11	<0.11	<0.11	<0.12	<0.11	<0.11	<0.12	<0.12	<0.12	<0.11	<0.11	<0.12	<0.11	23	mg/kg
Copper	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	1.76	3.21	<0.6	<0.6	1.50	<0.600	2.56	3,100	mg/kg
Lead	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	3.37	<0.6	<0.6	<0.6	1.17	<0.600	5.37	400	mg/kg
Mercury	0.018 J	0.025 J	0.025 J	0.021 J	0.057	0.023 J	0.022 J	0.023 J	0.016 J	0.017 J	0.016 J	0.016 J	0.061	0.016 J	0.081	0.021	0.028 J	0.026 J	0.014 J	23	mg/kg
Nickel	<0.500	0.559	0.606	<0.500	1.98	<0.500	3.34	1.52	0.750	4.19	15.9	36.3	4.88	6.13	2.66	5.63	<0.500	8.78	1,600	mg/kg	
Selenium	1.2	1.0 J	0.830 J	0.850 J	0.820 J	0.840 J	0.950 J	0.880 J	0.980 J	1.1 J	1.1 J	1.2	1.1 J	0.93 J	0.87 J	0.97 J	1.1	0.880 J	1.3	390	mg/kg
Silver	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	390	mg/kg
Zinc	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	1.58	<0.500	<0.500	4.80	1.31	31.0	1.62	<0.5	<0.5	<0.5	4.40	<0.500	10.1	23,000	mg/kg
SAR Metals Analysis																					
Sodium Adsorption Ratio	0.15	0.15	0.98	0.27	0.38	0.41	0.23	0.30	0.25	0.26	0.35	0.31	1.96	0.75	0.91	0.54	0.99	0.10	0.80	<12	ratio
Polynuclear Aromatic Hydrocarbons																					
Acenaphthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,000	mg/kg
Anthracene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,000	mg/kg
Benzo(a)anthracene	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.22	mg/kg
Benzo(a)pyrene	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.022	mg/kg
Benzo(b)fluoranthene	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.22	mg/kg
Benzo(k)fluoranthene	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	2.2	mg/kg
Chrysene	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	22	mg/kg
Dibenzo(a,h)anthracene	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.022	mg/kg
Fluoranthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,000	mg/kg
Fluorene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.22	mg/kg
Naphthalene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	23	mg/kg
Pyrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,000	mg/kg
General Chemistry																					
Specific Conductivity	0.616	0.756	0.968	0.676	0.520	0.624	0.772	0.776	0.680	0.512	0.608	0.592	0.880	0.556	0.396	0.540	0.288	0.532	0.408	<4 or 2 x the background	mmhos/cm
pH	7.7	7.8	7.8	7.7	8.0	7.8	7.6	7.8	7.8	7.7	7.7	7.6	7.6	7.7	8.1	7.8	7.9	7.8	7.5	6-9	su

Samples were collected prior to Table 915-1 implementation. Only Table 910-1 data shown in this table.

mg/kg - milligrams per kilogram
mg/L - milligrams per liter
J - indicates an estimated value
mmhos/cm - millioshos per centimeter
mv - millivolts
su - standard units
NA - not applicable
NT - parameter was not tested
ND - not detected above method detection limit
TS - Samples received pastdue close to holding time expiration
V - The sample volume is too high to evaluate accurate spike recoveries

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