Table 1
Hells Gulch 26-6 Spill Investigation
Soil Summary

LABORATORY DATA SUMMARY													
Sample ID	HG 26-6 BG	HG 26-6 SP1	SS1	SS2	SS3	SS4	SS5	SS6	SS7	SS8	SS9		
Sample Type	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab		
Sample Depth	8-12"	0-2"	10-16"	10-16"	10-16"	12"	12"	28-32"	28-32"	24"	24"		
Sample Date	11/7/2019	11/7/2019	12/9/2019	12/9/2019	12/9/2019	12/9/2019	12/9/2019	12/13/2019	12/13/2019	12/13/2020	12/13/2019		
Longitude N	39.33417	39.33500	39.335003	39.334898	39.334900	39.334823	39.334922	39.33498	39.33504	39.33505	39.33500		
Latitude W	-107.64184	-107.63899	-107.638944	-107.638955	-107.639045	-107.63908	-107.638906	-107.63903	-107.63899	-107.63899	-107.63906		
Sample Description	Background Sample	Surface Sample for Spill Investigation and Characterization	Confirmation Sample Bottom	Confirmation Sample Bottom	Confirmation Sample Bottom	Confirmation Sample Sidewall	Confirmation Sample Sidewall	Confirmation Sample Bottom	Confirmation Sample Bottom	Confirmation Sample Sidewall	Confirmation Sample Sidewall	**COGCC TABLE 910-1 CONCENTRATION LEVELS**	**UNITS**
Analytical Parameters													
TPH													
TPH Gasoline Range Organics	NT	1.23	0.343	4.33	0.945	1.02	1.41	0.342	0.6	ND	0.321	500 mg/kg	mg/kg
TPH Diesel Range Organics	NT	6.37	ND	ND	ND	ND	ND	ND	ND	ND	ND		
BTEX													
Benzene	NT	0.0208	ND	ND	ND	0.0026	0.0015	0.00338	0.00192	0.000927	0.014	0.17	mg/kg
Toluene	NT	0.0588	ND	ND	0.00818	0.0216	ND	ND	ND	ND	ND	85	mg/kg
Ethylbenzene	NT	0.00421	ND	ND	0.00428	0.00933	ND	0.00173	0.00172	ND	0.00347	100	mg/kg
Total Xylene	NT	0.0806	ND	0.00903	0.0868	0.169	0.0167	0.0333	0.013	ND	0.0301	175	mg/kg
Metals													
Arsenic	3.46	2.74	4.97	5.06	5.39	5.17	2.72	2.39	2.85	2.43	2.52	0.39	mg/kg
Barium	NT	888	147	152	150	152	1170	155	161	168	142	15,000	mg/kg
Cadmium	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	mg/kg
Chromium	NT	8.84	17.5	14.5	12.8	13.7	6.85	15.3	12.8	16.1	13.0	NA	mg/kg
Copper	NT	9.33	10.9	11.2	10.60	11.00	9.57	12.7	10.8	11.8	13.0	3,100	mg/kg
Lead	NT	5.88	11.2	11.5	11.50	11.60	5.72	11.50	11.30	11.20	11.50	400	mg/kg
Mercury	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	mg/kg
Nickel	NT	14.5	16.9	16.6	16	16.2	9.99	17.7	15.5	17.1	16.8	1,600	mg/kg
Selenium	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	mg/kg
Silver	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	mg/kg
Zinc	NT	47.1	55.5	55.1	48.6	50.0	29.6	51.5	47.7	54.5	52.1	23,000	mg/kg
SAR Metals Analysis													
Sodium Adsorption Ratio	0.404	14.40	2.81	4.07	0.394	0.621	4.69	0.778	1.25	2.39	2.630	<12	ratio
Polynuclear Aromatic Hyrdrocarbons													
Acenaphthene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	mg/kg
Anthracene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	mg/kg
Benzo(a)anthracene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22	mg/kg
Benzo(a)pyrene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022	mg/kg
Benzo(b)fluoranthene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22	mg/kg
Benzo(k)fluoranthene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	mg/kg
Chrysene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	mg/kg
Dibenzo(a,h)anthracene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022	mg/kg
Fluoranthene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	mg/kg
Fluorene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22	mg/kg
Napthalene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	mg/kg
Pyrene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	mg/kg
General Chemistry													
Chromium, Hexavalent	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	mg/kg
Chromium, Trivalent	NT	8.84	17.5	14.5	12.8	13.7	6.85	15.3	12.8	16.1	13	120,000	mg/kg
Specific Conductivity	NT	2.08	0.242	0.26	0.229	0.492	0.250	0.551	0.275	0.489	1.17	<4 or 2 x the background	mmhos/cm
pH	NT	8.34	8.72	8.91	7.45	7.39	8.80	7.97	8.54	8.37	7.95	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