

TABLE 1
SOIL ANALYTICAL RESULTS

POWDER WASH NORTH COMPRESSOR STATION SOUTH PIT
MOFFAT COUNTY, COLORADO
TESORO LOGISTICS

PARAMETER	COGCC CONCENTRATION LEVELS	UNITS	PWN - PIT E	PWN - PIT N	PWN - PIT W	PWN - PIT S	PWN - PIT SE	PWN - PIT BOT	PWN - PIT BOT
Sample Date			11/5/2015	11/5/2015	11/5/2015	11/5/2015	11/5/2015	11/6/2015	11/6/2015
Sample Type			Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation
Sample Depth		feet	28-31	16-16.5	16-16.5	28-31.6	28-32	12-16	20-22.5
Arsenic	0.39	mg/kg	9.7	2.3	2.9	4.0	7.5	6.0	2.9
Barium	15,000	mg/kg	43	47	45	49	80	100	30
Cadmium	70	mg/kg	1.4	<0.81	0.83	<0.74	<0.88	<0.88	1.1
Chromium (III)	120,000	mg/kg	3.7	13	19	13	19	18	5.5
Chromium (VI)	23	mg/kg	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.0
Copper	3,100	mg/kg	9.0	12	19	13	19	17	5.3
Lead	400	mg/kg	25	9.9	12	17	13	21	14
Mercury	23	mg/kg	<0.014	<0.015	0.024	<0.015	<0.014	<0.014	<0.013
Nickel	1,600	mg/kg	16	8.5	18	12	14	13	16
Selenium	390	mg/kg	1.8	1.1	<0.82	1.3	1.1	1.4	0.95
Silver	390	mg/kg	<0.45	<0.41	<0.41	<0.37	<0.44	<0.44	<0.39
Zinc	23,000	mg/kg	71	39	84	75	56	60	45
EC	4.0	mmhos/cm	3.7	3.6	7.5	4.2	1.9	4.1	5.4
pH	6 - 9	SU	7.5	8.1	7.6	5.6	7.7	7.6	7.1
SAR	12	unitless	4.9	5.7	4.4	4.0	2.9	0.14	0.30
TPH-GRO		mg/kg	<2.8	<2.8	<2.9	1,400	<2.8	2,700	1,500
TPH-DRO		mg/kg	<4.6	<4.6	<4.6	230	<4.5	570	370
TPH	500	mg/kg	<4.6	<4.6	<4.6	1,630	<4.5	3,270	1,870
Benzene	0.17	mg/kg	0.072	<0.034	<0.035	1.8	<0.033	14	0.72
Toluene	85	mg/kg	0.16	0.096	0.16	24	0.060	110	26
Ethylbenzene	100	mg/kg	<0.034	<0.034	<0.035	3.8	<0.033	15	8.6
Total Xylenes	175	mg/kg	<0.10	<0.10	<0.10	30	<0.10	74	44
Acenaphthene	1,000	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.013	<0.0073
Anthracene	1,000	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.028	<0.0073
Benzo(A)anthracene	0.22	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.031	<0.0073
Benzo(B)fluoranthene	0.22	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.045	<0.0073
Benzo(K)fluoranthene	2.2	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.016	<0.0073
Benzo(A)pyrene	0.022	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.034	<0.0073
Chrysene	22	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.041	<0.0073
Dibenzo(A,H)anthracene	0.022	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	<0.0075	<0.0073
Fluoranthene	1,000	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.099	<0.0073
Fluorene	1,000	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.025	<0.0073
Indeno(1,2,3,C,D)pyrene	0.22	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.025	<0.0073
Naphthalene	23	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.031	0.028
Pyrene	1,000	mg/kg	<0.0074	<0.0073	<0.0074	<0.0075	<0.0073	0.092	<0.0073

NOTES:
< - less than the stated reporting limit
BOLD - indicates result exceeds the COGCC concentration level
COGCC - Colorado Oil and Gas Conservation Commission
EC- electrical conductivity
mg/kg - milligrams per kilogram
mmhos/cm - millimhos per centimeter
SAR - Sodium Adsorption Ratio
SU - standard unit
TPH-GRO - total petroleum hydrocarbons-gasoline range organics
TPH-DRO - total petroleum hydrocarbons-diesel range organics
TPH - combination of TPH-GRO and TPH-DRO

