

TABLE 1
Soil Sample and Field Screening Information
Box Elder Farms 1 Wellhead and Production Facility. Adams County, CO

Sample Information				
Sample ID	Depth	Sample Date	Latitude	Longitude
Units -->	ft-bgs	mm/dd/yyyy	Decimal Degree (NAD83)	
WH01@8	8	1/11/2024	39.954872	-104.653758
FLR1@4	4	1/11/2024	39.954874	-104.653755
WH01-N@0.5	0.5	1/11/2024	39.954890	-104.653758
WH01-S@0.5	0.5	1/11/2024	39.954863	-104.653756
WH01-W@0.5	0.5	1/11/2024	39.954877	-104.653776
WH01-E@0.5	0.5	1/11/2024	39.954880	-104.653733
SEP01-FL@4	4	1/11/2024	39.955154	-104.654115
SEP01-DL@4	4	1/11/2024	39.955172	-104.654134
WDL01@4	4	1/11/2024	39.954929	-104.654163
PWV01@5	5	1/11/2024	39.954923	-104.654168
PWV01-E@3	3	1/11/2024	39.954922	-104.654151
PWV01-S@3	3	1/11/2024	39.954915	-104.654168
PWV01-W@3	3	1/11/2024	39.954923	-104.654180
AST01@1	1	1/11/2024	39.954895	-104.654102
MH01@0.5	0.5	1/11/2024	39.955093	-104.654068
BKG01	4, 6, 8	1/11/2024	39.954784	-104.654685
BKG02	4, 6, 8	1/11/2024	39.954985	-104.654656
BKG03	4, 6, 8	1/11/2024	39.955129	-104.654665
BKG04	4, 6, 8	1/11/2024	39.955277	-104.654539

Notes:

ft-bgs - feet below ground surface
 WH - Wellhead
 FLR- Flowline Riser
 SEP - Separator
 PWV - Produced Water Vessel
 WDL - Water Dump Line
 AST - Above Ground Storage Tank
 MH - Meter House
 BKG - Background

TABLE 2
Soil Analytical Results Summary Table - Organics
Box Elder Farms 1 Wellhead and Production Facility, Adams County, CO

Sample Information				BTEXN + TMBs							TPH			
Sample ID	Depth	Sample Date	PID Field Screening	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Naphthalene	1,2,4-TMB	1,3,5-TMB	GRO	DRO	ORO	TPH
Units -->	ft-bgs	mm/dd/yyyy	ppm	mg/kg							mg/kg			
ECMC RSSL -->				1.2	490	5.8	58	2	30	27	500	500	500	500
ECMC GWSSL -->				0.0026	0.69	0.78	9.9	0.0038	0.0081	0.0087	500	500	500	500
WH01@8	8	1/11/2024	0.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
FLR1@4	4	1/11/2024	0.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP01-FL@4	4	1/11/2024	0.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP01-DL@4	4	1/11/2024	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WDL01@4	4	1/11/2024	0.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
PWV01@5	5	1/11/2024	0.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	220	150	370
AST01@1	1	1/11/2024	0.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50

Notes:

GRO - Gasoline Range Organics
DRO - Diesel Range Organics
ORO - Oil Range Organics
TPH - Total Petroleum Hydrocarbons
PID - Photo Ionization Detector
TMB - Trimethylbenzene
ft-bgs - feet below ground surface
To be removed by excavation

ppm - parts per million
ECMC - Energy and Carbon Management Commission
BTEXN - Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene
RSSL - Residential Soil Screening Level
GWSSL - Groundwater Soil Screening Level
< - indicates result is below the laboratory reporting limit
mg/kg - milligrams per kilogram

WH - Wellhead
FLR - Flowline Riser
SEP - Separator
WDL - Water Dump Line
AST - Above Ground Storage Tank
PWV - Produced Water Vessel

TABLE 3
Soil Analytical Results Summary Table - PAHs
Box Elder Farms 1 Wellhead and Production Facility, Adams County, CO

Sample Information				PAHs													
Sample ID	Depth	Sample Date	PID Field Screening	Acenaphthene	Anthracene	Benz(a)-anthracene	Benzo(b)-fluoranthene	Benzo(k)-fluoranthene	Benzo(a)pyrene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-methylnaphthalene	2-methylnaphthalene	Pyrene
Units -->	ft-bgs	mm/dd/yyyy	ppm	mg/kg													
ECMC RSSL -->				360	1800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
ECMC GWSSL -->				0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	8.9	0.54	0.98	0.006	0.019	1.3
WH01@8	8	1/11/2024	0.2	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FLR01@4	4	1/11/2024	0.1	0.0152	0.0546	0.112	0.0685	0.0283	0.0535	0.0927	0.00611	0.235	0.0109	0.0385	<0.00500	<0.00500	0.230
SEP01-FL@4	4	1/11/2024	0.1	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SEP01-DL@4	4	1/11/2024	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
WDL01@4	4	1/11/2024	0.2	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
PWV01@5	5	1/11/2024	0.2	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
AST01@1	1	1/11/2024	0.3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Notes:

ft-bgs - feet below ground surface
 PID - Photo Ionization Detector
 ppm - parts per million
 mg/kg - milligrams per kilogram
 To be removed by excavation

ECMC - Energy and Carbon Management Commission
 RSSL - Residential Soil Screening Level
 GWSSL - Groundwater Soil Screening Level
 < - indicates result is below the laboratory reporting limit
 Red- Above ECMC Table 915-1 GWSSL

WH - Wellhead
 FLR - Flowline Riser
 SEP - Separator
 WDL - Water Dump Line
 AST - Above Ground Storage Tank
 PWV - Produced Water Vessel

TABLE 4
Soil Analytical Results Summary Table - Inorganics
Box Elder Farms 1 Wellhead and Production Facility, Adams County, CO

Sample Information				Soil Suitability for Reclamation				Metals in Soils									
Sample ID	Depth	Sample Date	PID Field Screening	EC	SAR	pH	Boron	Arsenic	Barium	Cadmium	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
Units -->	ft-bgs	mm/dd/yyyy	ppm	mmhos/cm	Unitless	Unitless	mg/l	mg/kg									
ECMC RSSL -->				<4	<6	6.0 - 8.3	2	0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC GWSSL -->				<4	<6	6.0 - 8.3	2	0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
1.25x Highest Background				NA	NA	8.52	NA	1.23	135.0	NA	NA	NA	NA	NA	NA	NA	NA
WH01@8	8	1/11/2024	0.2	0.147	0.343	8.56	<2.00	0.913	109	<0.200	<0.30	2.02	8.08	2.48	<0.260	0.0346	8.10
FLR01@4	4	1/11/2024	0.1	0.154	0.120	8.11	<2.00	1.17	76.3	<0.200	<0.30	1.67	7.78	2.34	<0.260	0.0294	7.35
SEP01-FL@4	4	1/11/2024	0.1	0.0370	0.0180	7.72	<2.00	0.807	65.4	<0.200	<0.30	1.64	6.12	1.65	<0.260	0.0384	6.81
SEP01-DL@4	4	1/11/2024	0.5	0.225	1.14	3.60	<2.00	1.00	38.3	<0.200	<0.30	1.63	12.3	1.37	<0.260	0.0217	7.45
WDL01@4	4	1/11/2024	0.2	0.227	1.22	8.85	<2.00	0.987	78.0	<0.200	<0.30	1.65	5.99	2.03	<0.260	0.0346	7.42
PWV01@5	5	1/11/2024	0.2	0.435	1.20	9.10	<2.00	1.15	110	<0.200	<0.30	2.10	7.77	2.91	<0.260	0.0279	9.17
AST01@1	1	1/11/2024	0.3	0.377	0.0405	5.13	<2.00	0.593	55.1	<0.200	<0.30	2.88	9.37	1.08	<0.260	0.101	9.01
BKG01@4	4	1/11/2024	0.3			7.12		0.784	86.0								
BKG01@6	6	1/11/2024	0.2			7.69		0.985	88.7								
BKG01@8	8	1/11/2024	0.2			8.32		0.771	87.1								
BKG02@4	4	1/11/2024	0.4			8.50		0.737	82.7								
BKG02@6	6	1/11/2024	0.3			8.37		0.829	108								
BKG02@8	8	1/11/2024	0.3			8.42		0.864	96.9								
BKG03@4	4	1/11/2024	0.4			8.41		0.812	77.4								
BKG03@6	6	1/11/2024	0.2			8.48		0.791	77.3								
BKG03@8	8	1/11/2024	0.3			8.48		0.776	70.6								
BKG04@4	4	1/11/2024	0.2			7.57		0.654	55.2								
BKG04@6	6	1/11/2024	0.6			8.46		0.810	59.9								
BKG04@8	8	1/11/2024	0.2			8.52		0.792	56.9								

Notes:

PID - Photo Ionization Detector
 EC - Electrical Conductivity
 SAR - Sodium adsorption ratio
 ft-bgs - feet below ground surface
 ppm - parts per million
 Not analyzed
 To be removed by excavation

ECMC - Energy and Carbon Management Commission
 RSSL - Residential Soil Screening Level
 GWSSL - Groundwater Soil Screening Level
 mmhos/cm - millimeters of mercury per centimeter
 mg/l - milligrams per liter
 mg/kg - milligrams per kilogram
 < - indicates result is below the laboratory reporting limit
 Red- Above ECMC Table 915-1 GWSSL
 Green- Above ECMC Table 915-1 GWSSL, representative of background levels

WH - Wellhead
 FLR - Flowline Riser
 SEP - Separator
 PWV - Produced Water Vessel
 WDL - Water Dump Line
 AST - Above Ground Storage Tank
 BKG - Background