

TABLE 1
WEBBER24,9 EDINGTON LILLVAND FACILITY
SOIL SAMPLE FIELD DATA SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Approximate Depth (feet bgs)	PID (ppm-v)	Visual Observation	Olfactory Observation	Latitude, Longitude	Submitted for Lab Analysis (Y/N)
Facility Soil Samples							
AST-B01 @ 3"	05/05/25	0.25	0.7	N/S	N/O	40.250763503249125, -104.754122191885	Y
AST-B02 @ 3"	05/05/25	0.25	0.6	N/S	N/O	40.25075464764602, -104.754104613938	N
SEP-B01 @ 3"	05/05/25	0.25	1.1	N/S	N/O	40.25047127103678, -104.754136267602	Y
SEP-B02 @ 3"	05/05/25	0.25	0.8	N/S	N/O	40.25047571543811, -104.754108836885	Y
MH-B01 @ 3"	05/05/25	0.25	0.3	N/S	N/O	40.250401790140494, -104.754043854836	N
ECD-B01 @ 3"	05/05/25	0.25	0.5	N/S	N/O	40.25052820070469, -104.754196070147	N
DL-B01 @ 4'	05/05/25	4	0.6	N/S	N/O	40.250461882506244, -104.754076447013	N
PW-B01 @ 4'	05/05/25	4	0.9	N/S	N/O	40.250833428155396, -104.75409063611	Y
PW-N01 @ 2'	05/05/25	2	0.8	N/S	N/O	40.25084809917717, -104.754087479591	N
PW-E01 @ 2'	05/05/25	2	1.3	N/S	N/O	40.25083434310001, -104.754070920917	Y
PW-S01 @ 2'	05/05/25	2	0.9	N/S	N/O	40.25081739356562, -104.75409348603	N
PW-W01 @ 2'	05/05/25	2	1.1	N/S	N/O	40.25083490167545, -104.754113427591	N
Background Soil Samples							
PW-BG01 @ 3'	05/05/25	3	0.7	N/S	N/O	40.25032623460795, -104.754116104935	Y
PW-BG01 @ 6'	05/05/25	6	0.6	N/S	N/O	40.25032623460795, -104.754116104935	Y
PW-BG02 @ 3'	05/05/25	3	0.3	N/S	N/O	40.25061477031773, -104.754258940125	Y
PW-BG02 @ 6'	05/05/25	6	0.3	N/S	N/O	40.25061477031773, -104.754258940125	Y
PW-BG03 @ 3'	05/05/25	3	0.3	N/S	N/O	40.250787330854855, -104.754256825659	Y
PW-BG03 @ 6'	05/05/25	6	0.3	N/S	N/O	40.250787330854855, -104.754256825659	Y
AST-BG01 @ 6"	05/05/25	0.5	0.6	N/S	N/O	40.25084416517765, -104.754284521149	Y
AST-BG02 @ 6"	05/05/25	0.5	0.2	N/S	N/O	40.25080911482374, -104.754329491381	Y
AST-BG03 @ 6"	05/05/25	0.5	0.4	N/S	N/O	40.25078586983605, -104.754328290368	Y
AST-BG04 @ 6"	05/05/25	0.5	0.5	N/S	N/O	40.25074509916032, -104.754344684654	Y

Notes:

bgs = below ground surface
 PID = photoionization detector
 ppm-v = parts per million by volume

N/S = No Staining
 N/O = No Odor

TABLE 2
WEBBER24,9 EDINGTON LILLVAND FACILITY
SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
<i>ECMC standards for soil (mg/kg)</i> ⁽¹⁾		0.0026	0.69	0.78	9.9	500			0.0081	0.0087
<i>ECMC standards for soil (mg/kg)</i> ⁽²⁾		1.2	490	5.8	58	500			30	27
Facility Soil Samples										
AST-B01 @ 3"	05/05/25	<0.00200	<0.0100	<0.0100	<0.100	<0.100	<4.00	8.70	<0.00500	<0.00500
SEP-B01 @ 3"	05/05/25	<0.00200	<0.0100	<0.0100	<0.100	<0.100	<4.00	11.9	<0.00500	<0.00500
SEP-B02 @ 3"	05/05/25	<0.00200	<0.0100	<0.0100	<0.100	<0.100	<4.00	7.24	<0.00500	<0.00500
PW-B01 @ 4'	05/05/25	<0.00200	0.0230	<0.0100	<0.100	<0.100	13.7	25.9	0.0147	0.00541
PW-E01 @ 2'	05/05/25	<0.00200	<0.0100	<0.0100	<0.100	<0.100	<4.00	4.30	<0.00500	<0.00500

Notes:

⁽¹⁾ ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

⁽²⁾ ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy & Carbon Management Commission

mg/kg = milligrams per kilogram

< = Analytical result is less than the laboratory reporting limit

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations.

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

TMB = Trimethylbenzene



TABLE 3
WEBBER24,9 EDINGTON LILLVAND FACILITY
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
<i>ECMC standards for soil</i> ⁽¹⁾			6 - 8.3	<6	<4	2
<i>Background Limits</i>			8.93	4.73	0.647	0.549
Facility Soil Samples						
AST-B01 @ 3"	05/05/25	0.25	8.27	0.264	0.232	<0.200
SEP-B01 @ 3"	05/05/25	0.25	7.14	0.170	0.181	<0.200
SEP-B02 @ 3"	05/05/25	0.25	8.00	0.143	0.160	<0.200
PW-B01 @ 4'	05/05/25	4	8.45*	0.354	0.144	<0.200
PW-E01 @ 2'	05/05/25	2	8.37*	0.101	0.156	<0.200
Background Soil Samples						
PW-BG01 @ 3'	05/05/25	3	8.47	0.226	0.176	<0.200
PW-BG01 @ 6'	05/05/25	6	8.16	1.08	0.647	0.347
PW-BG02 @ 3'	05/05/25	3	8.57	0.374	0.174	<0.200
PW-BG02 @ 6'	05/05/25	6	8.89	4.07	0.285	0.533
PW-BG03 @ 3'	05/05/25	3	8.39	0.262	0.210	0.252
PW-BG03 @ 6'	05/05/25	6	8.93	4.73	0.344	0.549
AST-BG01 @ 6"	05/05/25	0.5	6.81	0.125	0.299	0.271
AST-BG02 @ 6"	05/05/25	0.5	6.49	0.105	0.174	0.242
AST-BG03 @ 6"	05/05/25	0.5	6.96	0.104	0.242	0.222
AST-BG04 @ 6"	05/05/25	0.5	6.92	0.0851	0.167	0.254

Notes:

⁽¹⁾ Standards for soil are taken from ECMC Table 915-1, effective January 15, 2021

ECMC = Energy & Carbon Management Commission

ft. bgs = Feet below ground surface

mmhos/cm = Millimhos per centimeter

mg/L = Milligrams per liter

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

(<) = Analytical result is less than the indicated laboratory reporting limit

Values presented in **BOLD*** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations, but are within background limits.

TABLE 4
WEBBER24,9 EDINGTON LILLVAND FACILITY
SOIL SAMPLE RESULTS SUMMARY TABLE - PAHs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	1-Methyl-naphthalene (mg/kg)	2-Methyl-naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(k)-fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)-anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Ideno(1,2,3-cd)-pyrene (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
<i>ECMC standards for soil (mg/kg) ⁽¹⁾</i>		0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	0.0038	1.3
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	2	180
Facility Soil Samples																
AST-B01 @ 3"	05/05/25	<0.00300	<0.0120	<0.0330	<0.0330	<0.00600	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.00300	<0.0330
SEP-B01 @ 3"	05/05/25	<0.00300	<0.0120	<0.0330	<0.0330	<0.00600	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.00300	<0.0330
SEP-B02 @ 3"	05/05/25	<0.00300	<0.0120	<0.0330	<0.0330	<0.00600	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.00300	<0.0330
PW-B01 @ 4'	05/05/25	<0.00300	<0.0120	<0.0330	<0.0330	<0.00600	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.00300	<0.0330
PW-E01 @ 2'	05/05/25	<0.00300	<0.0120	<0.0330	<0.0330	<0.00600	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.00300	<0.0330

Notes:
⁽¹⁾ Standards are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021
⁽²⁾ Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021
ECMC = Energy & Carbon Management Commission
mg/kg = milligrams per kilogram
PAH = Polycyclic Aromatic Hydrocarbons
(<) = Analytical result is less than the indicated laboratory reporting limit

TABLE 5
WEBBER24,9 EDINGTON LILLVAND FACILITY
SOIL SAMPLE RESULTS SUMMARY TABLE - METALS
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
<i>ECMC standards for soil (mg/kg) ⁽¹⁾</i>		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
<i>Background Limits (1.25x Buffer Applied)</i>		9.31	183	0.317	N/A	16.8	13.8	25.5	0.771	N/A	N/A
Tank Battery Soil Samples											
AST-B01 @ 3"	05/05/25	0.937*	31.5	<0.200	*<0.300	<10.0	<10.0	<10.0	<0.200	<0.500	<50.0
SEP-B01 @ 3"	05/05/25	0.642*	19.3	<0.200	*<0.300	<10.0	<10.0	<10.0	<0.200	<0.500	<50.0
SEP-B02 @ 3"	05/05/25	2.03*	47.8	<0.200	*<0.300	<10.0	<10.0	<10.0	0.263*	<0.500	<50.0
PW-B01 @ 4'	05/05/25	0.788*	25.4	<0.200	*<0.300	<10.0	<10.0	<10.0	<0.200	<0.500	<50.0
PW-E01 @ 2'	05/05/25	1.14*	50.6	<0.200	*<0.300	<10.0	<10.0	<10.0	0.223	<0.500	<50.0
Background Soil Samples											
PW-BG01 @ 3'	05/05/25	2.68	105	0.206	<0.300	<10.0	<10.0	<10.0	0.351	<0.500	<50.0
PW-BG01 @ 6'	05/05/25	7.45	147	0.254	<0.300	13.5	11.1	20.4	0.617	<0.500	<50.0
PW-BG02 @ 3'	05/05/25	5.58	115	<0.200	<0.300	<10.0	<10.0	10.8	0.441	<0.500	<50.0
PW-BG02 @ 6'	05/05/25	4.09	101	<0.200	<0.300	<10.0	<10.0	<10.0	0.386	<0.500	<50.0
PW-BG03 @ 3'	05/05/25	4.39	120	<0.200	<0.300	<10.0	<10.0	11.5	0.473	<0.500	<50.0
PW-BG03 @ 6'	05/05/25	3.67	140	<0.200	<0.300	<10.0	<10.0	<10.0	0.385	<0.500	<50.0
AST-BG01 @ 6"	05/05/25	1.69	54.3	<0.200	<0.300	10.8	<10.0	<10.0	0.362	<0.500	<50.0
AST-BG02 @ 6"	05/05/25	1.75	48.0	<0.200	<0.300	<10.0	<10.0	<10.0	0.409	<0.500	<50.0
AST-BG03 @ 6"	05/05/25	1.67	45.7	<0.200	<0.300	<10.0	<10.0	<10.0	0.376	<0.500	<50.0
AST-BG04 @ 6"	05/05/25	1.81	56.1	<0.200	<0.300	<10.0	<10.0	<10.0	0.500	<0.500	<50.0

Notes:

⁽¹⁾ Standards are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

⁽²⁾ Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy & Carbon Management Commission

mg/kg = Milligrams per kilogram

* = compound is in accordance with the ECMC Table 915-1 Footnote 9.

(<) = Analytical result is less than the indicated laboratory reporting limit

Values presented in **BOLD*** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations, but are within background limits.

N/A = Not Applicable

