

CONFIRMATION SOIL SAMPLING REPORT

Facility Name: Mustang Compressor Station
Facility Number: 472836
Initial Form 27 Number: 403949769
NE 1/4, NE 1/4, Section 12, Township 3N, Range 65W
40.245341, -104.606344
Weld County, Colorado

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1.0 INTRODUCTION

On behalf of Rocky Mountain Midstream, LLC (RMM), Apex Companies, LLC (Apex) has prepared this Confirmation Soil Sampling Report for the Mustang Compressor Station (Site), located in the northeast quarter of the northeast quarter of Section 12, Township 3N, Range 65W in Weld County, Colorado (**Figure 1**).

2.0 GENERAL SITE INFORMATION

The site is in an agricultural area, northwest of the intersection of Weld County Road (WCR) 49 and WCR 34.5 in Platteville, Colorado. It is currently operating as the Mustang Compressor Station.

2.1 Initial Release and Spill Response

Based on the initial Form 27 report submitted to the Colorado Energy and Carbon Management Commission (ECMC, form number 403949769), a fire occurred on March 2, 2020 at the pigging launcher and receiver while the system was being depressurized. Approximately 3,000 cubic feet of natural gas was combusted and any potential material spilled to the ground is believed to have been incinerated.

Impacted soils were excavated by RMM and disposed of offsite (Republic Services, Tower Road Landfill, Commerce City, Colorado). An area of approximately 120 feet by 60 feet, and 2-3 feet in depth was excavated around the release location. The excavation was then backfilled with clean fill dirt. No additional records of disposal or laboratory analytical reports have been identified from that time frame. RMM estimates 500 cubic yards of soil were removed, based on the limited information available and statements from employees onsite for the spill response and remediation activities.

2.2 Soil Sampling

On November 15, 2024, Apex collected 10 soil samples via hand auger within the former excavation footprint, located at and around the release point (**Figure 2**). The sampling occurred to confirm impacted soil was fully excavated, and to determine if additional remediation is required. All samples were taken between 2.0 and 3.5 feet below ground surface (bgs), underneath the fill material of the excavation. Prior to sample collection, soils were field screened for volatile organic compounds (VOCs) using a handheld photo-ionization detector (PID). No elevated PID readings were observed during soil sample collection, except from the sample collected from MU09 at 1.0-1.5 feet bgs (**Table 1**). The surface stain was determined not to be associated with the 2020 release, and was managed separately from this event.

During soil sample collection, a portion of the sample was placed in a baggie or soil jar for head-space analysis and the other portion was placed within a soil jar for laboratory submittal. A laboratory sample was not collected from soil used for head-space analysis. Soil samples were placed into laboratory-supplied Terra Core Sampling Kit, labeled, and immediately placed in a chilled cooler. The samples were shipped to ALS Environmental in Holland, Michigan, for laboratory analysis of Total Petroleum Hydrocarbons (TPH) (C6-C36) and Table 915-1 Organic Compounds in Soil. Soil samples submitted for laboratory analysis were reported below values for Residential Soil Screening Levels (RSLs), as well as the Protection of Groundwater Soil Screening levels (PGWS) except for the following detections:

- Benzene exceeded the RSL of 1.2 milligrams per kilogram (mg/kg) in sample MU09 from 3.0 to 3.5 feet bgs.
- Toluene exceeded the PGWS level of 0.69 mg/kg in sample MU09 from 3.0 to 3.5 feet bgs.
- Potential hydrogen (pH) was detected outside of the RSL acceptable pH range of 6 to 8.3 in the samples collected from MU01, MU02, MU04, MU05, MU06, MU07, MU09, and MU10.

All lab analyses are included in **Table 2** and can be found in the attached laboratory report at the end of this report.

3.0 INVESTIGATION CONCLUSIONS

Laboratory results from the confirmation soil samples collected on November 15, 2024, indicate past remediation efforts to remove impacted soils associated with the March 2, 2020, release at the Mustang Compressor Station were successful. The contaminant concentrations of benzene and toluene reported above the regulatory limits in the sample collected at 3.0-3.5 feet bgs from boring MU09 appear to be associated with surface staining noticed at the time of the sampling event. All other soil samples had contaminant concentrations below regulatory action levels.

ATTACHMENTS



Figure 1 - Site Location
Mustang Compressor Station
Facility Number: 472836
40.245341, -104.606344,
Weld County, Colorado

Legend

- Site Boundary





Figure 2 - Soil Sample Locations
Mustang Compressor Station
Facility Number: 37367
Soil Samples Collected on
November 15, 2024

MU01 - Soil sample location name
3.0'-3.5' - Soil sample depth, in feet
0.4 ppm - Volatile organic compounds (VOC), in parts per million (ppm)

Legend
● Soil Sample Locations

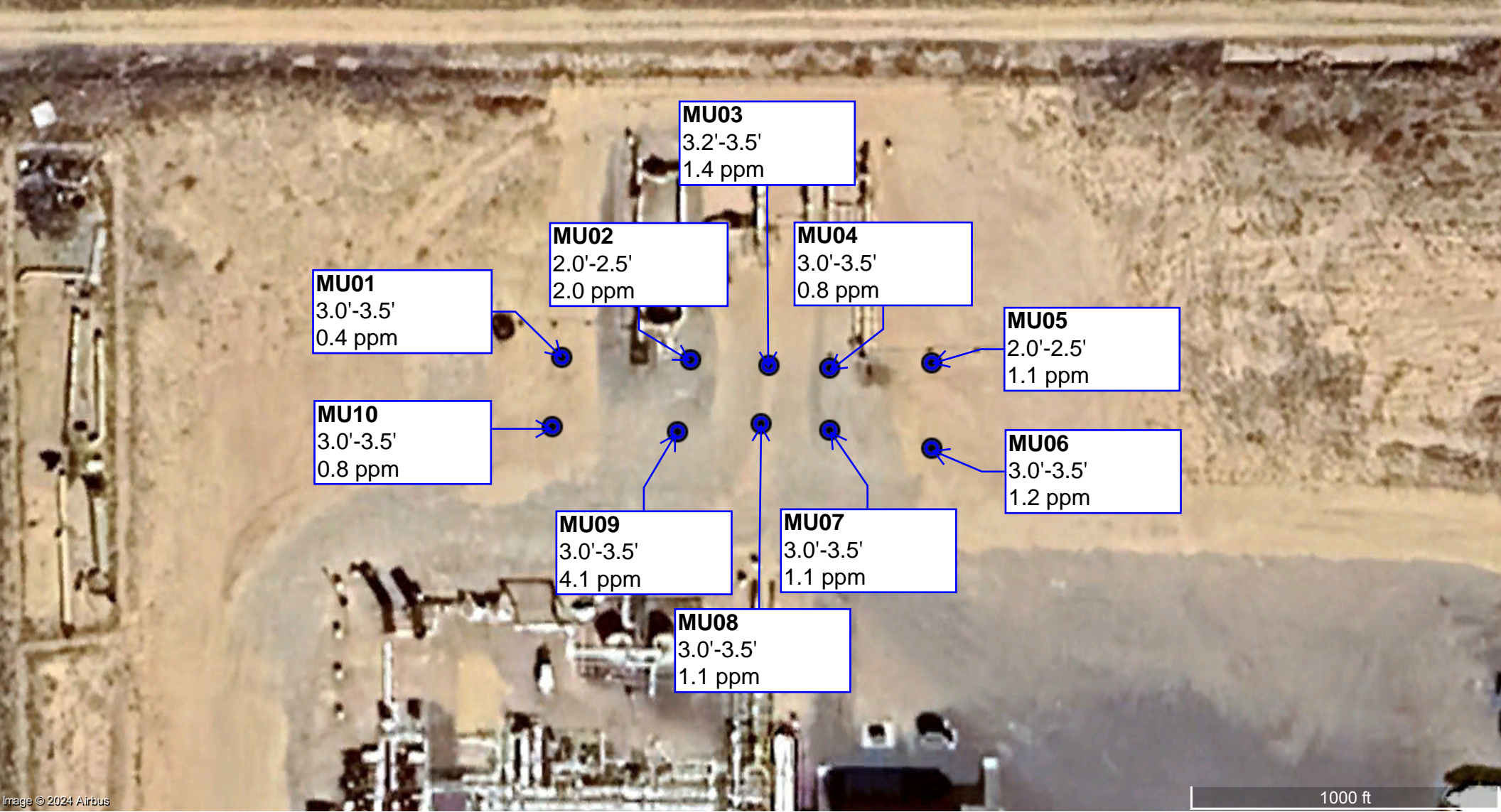




Table 1 - PID Field Measurements, November 15, 2024

Sample Date	Soil Sample Location	Sample Depth PID Results (ppm)		
		1.0'-1.5' bgs	2.0'-2.5' bgs	3.0'-3.5' bgs
11/15/2024	MU01	0.0	0.2	0.4
11/15/2024	MU02	0.0	2.0	1.4
11/15/2024	MU03	1.0	1.3	1.4
11/15/2024	MU04	0.5	0.5	0.8
11/15/2024	MU05	0.1	1.1	0.6
11/15/2024	MU06	0.9	1.1	1.2
11/15/2024	MU07	0.5	1.0	1.1
11/15/2024	MU08	1.0	1.0	1.1
11/15/2024	MU09	349.0	2.0	4.1
11/15/2024	MU10	0.7	0.7	0.8

Legend:

Samples submitted to ALS for analysis

PID - Photoionization Detector

ppm - parts per million

bgs - below ground surface



Table 2 - Soil Analytical Results

				Organic Compounds in Soils (mg/kg)												
ECMC Residential Soil Screening Levels -->				500	1.2	490	5.8	58	30	27	360	1800	1.1	1.1	11	
Protection of Groundwater Levels (Soil) -->					0.0026(M)	0.69(M)	0.78(M)	9.9(M)	0.0081(R)	0.0087(R)	0.55(R)	5.8(R)	0.011(R)	0.3(R)	2.9(R)	
Sample Date	Solid/Soil Source [Vault/Sump, Spill, Pit, Cuttings, Background, Tank Battery, Wellhead, Flowline, etc.]	Sample ID	PID (ppm)	TPH-GRO (C6-C10) Low Fraction	TPH-DRO (C10-C36) High Fraction	Benzene	Toluene	Ethylbenzene	Xylenes (sum of o-, m- and p- isomers = total xylenes)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene
11/15/2024	Excavation	MU01@3.0'-3.5'	0.4	<6.200	6.2J	<0.00056	<0.0019	<0.00094	<0.0037	<0.0020	<0.0017	<0.0017	<0.0008	<0.0032	<0.0026	<0.00066
11/15/2024	Excavation	MU02@2.0'-2.5'	2	<5.300	<2.7	<0.00054	<0.0018	<0.00091	<0.0036	<0.0019	<0.0017	<0.0017	<0.00079	<0.0031	<0.0026	<0.00065
11/15/2024	Excavation	MU03@3.2'-3.5'	1.4	<5.500	4.4J	<0.00028	<0.00095	<0.00048	<0.00186	<0.00098	<0.00088	<0.0018	<0.00083	<0.0033	<0.0028	<0.00069
11/15/2024	Excavation	MU04@3.0'-3.5'	0.8	<5.800	3.6J	<0.00062	<0.0021	<0.0010	<0.0040	<0.0022	<0.0019	<0.0017	<0.00081	<0.0032	<0.0027	<0.00066
11/15/2024	Excavation	MU05@2.0'-2.5'	1.1	<5.700	20J	<0.00060	<0.0020	<0.0010	<0.0039	<0.0021	<0.0018	<0.0017	<0.00081	<0.0032	<0.0027	<0.00066
11/15/2024	Excavation	MU06@3.0'-3.5'	1.2	<5.700	<2.8	<0.00062	<0.0021	<0.0010	<0.0040	<0.0022	<0.0019	<0.0017	<0.00081	<0.0032	<0.0027	<0.00066
11/15/2024	Excavation	MU07@3.0'-3.5'	1.1	<6.300	<2.9	<0.00055	<0.0018	<0.00091	<0.0036	<0.0019	<0.0017	<0.0017	<0.00083	<0.0033	<0.0027	<0.00068
11/15/2024	Excavation	MU08@3.0'-3.5'	1.1	<5.800	<2.9	<0.00068	<0.0023	<0.0011	<0.0045	<0.0024	<0.0021	<0.0017	<0.00083	<0.0033	<0.0027	<0.00068
11/15/2024	Excavation	MU09@3.0'-3.5'	4.1	<6.400	7.7J	4.2J	2.9J	<0.00095	<0.0037	<0.0020	<0.0018	<0.0017	<0.00080	<0.0032	<0.0027	<0.00066
11/15/2024	Excavation	MU10@3.0'-3.5'	0.8	<5.900	<2.7	<0.00063	<0.0021	<0.0011	<0.0042	<0.0022	<0.0019	<0.0016	<0.00078	<0.0031	<0.0026	<0.00064

Legend:

ECMC - Colorado Energy and Carbon Management Commission

Orange Highlight - ECMC Table 915-1 TPH, BTEX, organic, metal exceedance

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

Yellow Highlight - ECMC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

TPH-GRO - Total Petroleum Hydrocarbons Gasoline Range Organics

TPH-DRO - Total Petroleum Hydrocarbons Diesel Range Organics

MCL - maximum contaminant level

PID - Photoionization Detector

ppm - parts per million

mg/kg - milligrams per kilogram

mg/L - milligrams per liter

mmhos/cm - millimhos per centimeter

J - analyte is present at an estimated concentration between the method detection limit and report limit

' - feet



Table 2 - Soil Analytical Results

		Organic Compounds in Soils (mg/kg)											Soil Suitability for Reclamation				Metals by Saturated Paste (mg/L)			
ECMC Residential Soil Screening Levels -->		0.11	110	0.11	240	240	1.1	18	24	2	180	4	6	(6-8.3)	2					
Protection of Groundwater Levels (Soil) -->		0.24(M)	9(R)	0.096(R)	8.9(R)	0.54(R)	0.98(R)	0.006(R)	0.019(R)	0.0038(R)	1.3(R)									
Sample Date	Solid/Soil Source (Vault/Sump, Spill, Pit, Cuttings, Background, Tank Battery, Wellhead, Flowline, etc.)	Sample ID	PID (ppm)	Benzo(a)pyrene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Pyrene	Electrical Conductivity (EC) (by saturated paste method) (mmhos/cm)	Sodium Adsorption Ratio (SAR) (by saturated paste method) (Calculation)	pH (by saturated paste method) (pH Units)	Boron (hot water soluble soil extract) (mg/L)	Calcium	Magnesium	Sodium
11/15/2024	Excavation	MU01@3.0'-3.5'	0.4	<0.0030	<0.0029	<0.0025	<0.0022	<0.0011	<0.0030	<0.00090	<0.0010	<0.00083	<0.0028	0.37	0.16	5.28	0.42	29	6.9	3.6
11/15/2024	Excavation	MU02@2.0'-2.5'	2	<0.0029	<0.0029	<0.0025	<0.0022	<0.0011	<0.0030	<0.00089	<0.0010	<0.00082	<0.0028	0.57	0.43	3.61	0.15J	29	12	11
11/15/2024	Excavation	MU03@3.2'-3.5'	1.4	<0.0031	<0.0030	<0.0027	<0.0023	<0.0011	<0.0032	<0.00093	<0.0011	<0.00086	<0.0029	0.58	0.45	7.10	0.18J	54	10	14
11/15/2024	Excavation	MU04@3.0'-3.5'	0.8	<0.0030	<0.0029	<0.0026	<0.0022	<0.0011	<0.0031	<0.00090	<0.0010	<0.00084	<0.0028	0.41	0.64	5.01	0.21J	29	6.4	15
11/15/2024	Excavation	MU05@2.0'-2.5'	1.1	<0.0030	<0.0029	<0.0026	<0.0022	<0.0011	<0.0031	<0.00090	<0.0010	<0.00084	<0.0028	1.4	0.34	2.80	0.18J	22	5.4	6.8
11/15/2024	Excavation	MU06@3.0'-3.5'	1.2	<0.0030	<0.0029	<0.0026	<0.0022	<0.0011	<0.0031	<0.00090	<0.0010	<0.00084	<0.0028	0.84	0.39	3.04	0.18J	16	4.4	6.7
11/15/2024	Excavation	MU07@3.0'-3.5'	1.1	<0.0031	<0.0030	<0.0026	<0.0023	<0.0011	<0.0032	<0.00093	<0.0011	<0.00086	<0.0029	0.62	0.36	3.96	0.26J	35	8.8	9.2
11/15/2024	Excavation	MU08@3.0'-3.5'	1.1	<0.0031	<0.0030	<0.0026	<0.0023	<0.0011	<0.0031	<0.00093	<0.0011	<0.00086	<0.0029	0.43	0.48	7.68	0.26J	43	8.8	13
11/15/2024	Excavation	MU09@3.0'-3.5'	4.1	<0.0030	<0.0029	<0.0026	<0.0022	<0.0011	<0.0031	<0.00090	<0.0010	<0.00083	<0.0028	0.67	0.22	4.67	0.26J	40	11	6.2
11/15/2024	Excavation	MU10@3.0'-3.5'	0.8	<0.0029	<0.0028	<0.0025	<0.0021	<0.0011	<0.0030	<0.00088	<0.0010	<0.00081	<0.0027	0.67	0.20	3.31	0.27J	20	4.9	3.9

Legend:

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