

3R-1011

**Release Report/ General
Correspondence**

Enterprise SJ

Date: Oct-Dec 2014

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office
in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

| | | |
|--|---|---------|
| Name of Company: Enterprise Field Services LLC | Contact: Thomas Long | |
| Address: 614 Reilly Ave, Farmington, NM 87401 | Telephone No. 505-599-2286 | |
| Facility Name: Lateral O-17 Pipeline | Facility Type: Natural Gas Gathering Line | |
| Surface Owner: BLM | Mineral Owner: BLM | API No. |

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|------------------|--------------|-------------------------|------------------------------|--------------------------|---------------------------|--------------------|
| Unit Letter O | Section 36 | Township 31 N | Range 8 W | Feet from the 760 | North/South Line South | Feet from the 1543 | East/West Line East | County San Juan |
|------------------|---------------|------------------|--------------|-------------------------|------------------------------|--------------------------|---------------------------|--------------------|

Latitude 36.863670 Longitude -107.641167

OIL CONS. DIV DIST. 3

NATURE OF RELEASE

OCT 24 2014

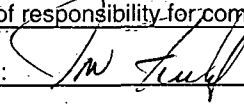
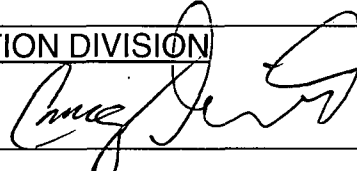
| | | |
|--|---|---|
| Type of Release: Natural Gas and Natural Gas Liquids | Volume of Release: Unknown | Volume Recovered: Unknown |
| Source of Release: Internal Corrosion | Date and Hour of Occurrence: 10/10/2014 @ 2:13 p.m. | Date and Hour of Discovery: 10/10/2014 3:00 p.m. |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? NMOCD - Cory Smith; BLM - Shari Ketchum on October 16, 2014. | |
| By Whom? | Date and Hour October 16, 2014 at 1:07 p.m. | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action: On October 10, 2014, a pipeline leak was discovered on the Lateral O-17 ROW. The Enterprise technician initiated notification procedures. The pipeline was isolated, blown down, depressurized, locked out and tagged out. An area of fluid staining of approximately 25 feet long by 3 feet wide was observed on the ground surface. Repairs and remediation are scheduled for October 21, 2014. A third party environmental contractor will oversee excavation activities and collect closure samples during repair activities.

Describe Area Affected and Cleanup Action Taken: On October 10, 2014, a pipeline leak was discovered on the Lateral O-17 ROW. The Enterprise technician initiated notification procedures. The pipeline was isolated, blown down, depressurized, locked out and tagged out. An area of fluid staining of approximately 25 feet long by 3 feet wide was observed on the ground surface. Repairs and remediation are scheduled for October 21, 2014. A third party environmental contractor will oversee excavation activities and collect closure samples during repair activities. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | |
|--|---|-----------------------------------|
| Signature:  | OIL CONSERVATION DIVISION | |
| Printed Name: Jon Fields | Approved by Environmental Specialist:  | |
| Title: Director, Environmental | Approval Date: 11/12/14 | Expiration Date: |
| E-mail Address: jefields@eprod.com | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 10/21/2014 | Phone: (713)381-6684 | |

* Attach Additional Sheets If Necessary

#NCS 143 1632295

①

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office
in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

| | | |
|--|---|---------|
| Name of Company: Enterprise Field Services LLC | Contact: Thomas Long | |
| Address: 614 Reilly Ave, Farmington, NM 87401 | Telephone No. 505-599-2286 | |
| Facility Name: Lateral 14A Pipeline | Facility Type: Natural Gas Gathering Line | |
| Surface Owner: BLM | Mineral Owner: BLM | API No. |

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|------------------|--------------|-------------------------|------------------------------|--------------------------|---------------------------|--------------------|
| Unit Letter N | Section 34 | Township 32 N | Range 9 W | Feet from the 883 | North/South Line South | Feet from the 1819 | East/West Line West | County San Juan |
|------------------|---------------|------------------|--------------|-------------------------|------------------------------|--------------------------|---------------------------|--------------------|

Latitude 36.93632 Longitude -107.77001

OIL CONS. DIV DIST. 3

NATURE OF RELEASE

OCT 24 2014

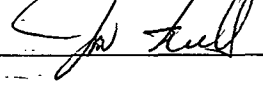
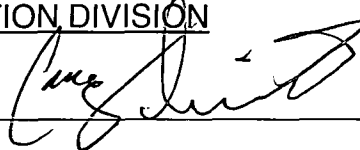
| | | |
|--|---|--|
| Type of Release: Natural Gas and Natural Gas Liquids | Volume of Release: Unknown | Volume Recovered: Unknown |
| Source of Release: Internal Corrosion | Date and Hour of Occurrence: 10/10/2014 @ 9:30 a.m. | Date and Hour of Discovery: 10/10/2014 10:30 a.m. |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? NMOCD - Cory Smith; BLM - Shari Ketchum on October 18, 2014. | |
| By Whom? | Date and Hour October 18, 2014 at 11:33 a.m. | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse | |

-If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action: On October 10, 2014, a pipeline leak was discovered on the Lateral 14A ROW. The Enterprise technician initiated notification procedures. The pipeline was isolated, blown down, depressurized, locked out and tagged out. No visible impacts were observed on the ground surface. Repairs and remediation began October 16, 2014. A third party environmental contractor will oversee excavation activities and collect closure samples during repair activities.

Describe Area Affected and Cleanup Action Taken On October 10, 2014, a pipeline leak was discovered on the Lateral 14A ROW. The Enterprise technician initiated notification procedures. The pipeline was isolated, blown down, depressurized, locked out and tagged out. No visible impacts were observed on the ground surface. Repairs and remediation began October 16, 2014. A third party environmental contractor will oversee excavation activities and collect closure samples during repair activities. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | |
|--|---|-----------------------------------|
| Signature:  | OIL CONSERVATION DIVISION | |
| Printed Name: Jon Fields | Approved by Environmental Specialist:  | |
| Title: Director, Environmental | Approval Date: 11/2/14 | Expiration Date: |
| E-mail Address: jefields@eprod.com | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 10/21/2014 | Phone: (713)381-6684 | |

* Attach Additional Sheets If Necessary

ANCS 14131632492

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

| | | | |
|--|--|---|---|
| Name of Company: Enterprise Field Services LLC | | Contact: Thomas Long | OPERATOR <input type="checkbox"/> Initial Report <input checked="" type="checkbox"/> Final Report |
| Address: 614 Reilly Ave, Farmington, NM 87401 | | Telephone No. 505-599-2286 | BOID OCT 14 '14 |
| Facility Name: GCU #89E/Lateral 6B-9 | | Facility Type: Natural Gas Gathering Line | OIL CONS. DIV. |
| Surface Owner: NAPI/Navajo Tribal | | Mineral Owner: NAPI/Navajo Tribal | DIST. 3 |
| API No. | | | |

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|--------------|-----------------|-------------|-----------------------|----------------------------------|-----------------------|-------------------------------|--------------------|
| Unit Letter F | Section 6 | Township 27N | Range 8W | Feet from the 2499 | North/South Line <u>North</u> | Feet from the 1222 | East/West Line <u>West</u> | County San Juan |
|------------------|--------------|-----------------|-------------|-----------------------|----------------------------------|-----------------------|-------------------------------|--------------------|

Latitude 36.60454 Longitude -108.15740

NATURE OF RELEASE

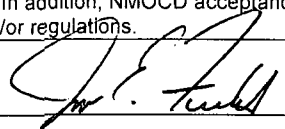
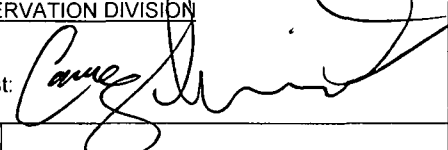
| | | |
|--|---|--|
| Type of Release: Natural Gas | Volume of Release: 16.73 MCF | Volume Recovered: None |
| Source of Release: Internal corrosion | Date and Hour of Occurrence: 7/22/2014 @ 3:45 p.m. | Date and Hour of Discovery: 7/22/2014 @ 4:10 p.m. |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Notification to NMOCD - Cory Smith; Steve Austin - NNEPA | |
| By Whom? Thomas Long | Date and Hour Notification 7/23/2014 @ 3:54 p.m. | |
| Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, Volume Impacting the Watercourse | |

If a Watercourse was Impacted, Describe Fully. *The release is located in a small ephemeral wash. No surface impacts were observed.

Describe Cause of Problem and Remedial Action: Enterprise technician discovered a line leak while performing a pipeline patrol. The Enterprise technician initiated notification procedures. The line was isolated, blown down, depressurized and lock out tag out was implemented. Repairs were completed on August 20, 2014 and remediation was completed on September 5, 2014. The final excavation dimensions measured approximately sixty (60) feet long by sixteen (16) feet wide by six (6) feet deep. Bedrock sandstone was encountered at approximately six (6) feet below ground surface. Soil sample results for the base of the excavation exceeded the regulatory standard of 100 parts per million total petroleum hydrocarbons. After approval from the NMOCD and NNEPA, potassium per manganate solution was applied to the excavation base and then it was backfilled with clean imported fill material. Approximately 100 cubic yards of hydrocarbon impacted soil was excavated and transported to an NMOCD approved land farm facility.

Describe Area Affected and Cleanup Action Taken: *Enterprise technician discovered a line leak while performing a pipeline patrol. The Enterprise technician initiated notification procedures. The line was isolated, blown down, depressurized and lock out tag out was implemented. Repairs were completed on August 20, 2014 and remediation was completed on September 5, 2014. The final excavation dimensions measured approximately sixty (60) feet long by sixteen (16) feet wide by six (6) feet deep. Bedrock sandstone was encountered at approximately six (6) feet below ground surface. Soil sample results for the base of the excavation exceeded the regulatory standard of 100 parts per million total petroleum hydrocarbons. After approval from the NMOCD and NNEPA, potassium per manganate solution was applied to the excavation base and then it was backfilled with clean imported fill material. Approximately 100 cubic yards of hydrocarbon impacted soil was excavated and transported to a NMOCD approved land farm facility. A third party environmental contractor corrective action report is included with this "final" C-141.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | |
|--|---|-----------------------------------|
| Signature:  | OIL CONSERVATION DIVISION | |
| Printed Name: Jon E. Fields | Approved by Environmental Specialist:  | |
| Title: Director, Environmental | Approval Date: 11/13/14 | Expiration Date: |
| E-mail Address: jefields@eprod.com | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 10/9/2014 | Phone: (713) 381-6684 | |

* Attach Additional Sheets If Necessary

#NCS 143 174 0618

38

Enterprise Products
Gallegos Canyon Unit #89E Pipeline Release
Latitude North 36.60454°, Longitude West -108.157400°
SE/NW (Unit F) Section 6, T27N R12W
San Juan County, New Mexico
September 29, 2014



Submitted To:
Enterprise Products
Field Environmental-San Juan Basin
614 Reilly Avenue
Farmington, NM 87401

Submitted By:
Souder, Miller & Associates
401 West Broadway
Farmington, NM 87401
(505)325-7535



Table of Contents

| | | |
|-----|---|---|
| 1.0 | Executive Summary..... | 1 |
| 2.0 | Introduction | 1 |
| 3.0 | Site Ranking and Land Jurisdiction..... | 2 |
| 4.0 | Summary of Field Activities | 2 |
| 5.0 | Conclusions and Recommendations | 3 |
| 6.0 | Closure and Limitations | 4 |

Figures:

Figure 1: Vicinity Map

Figure 2: Site Map

Figure 3: Soil Contaminant Concentration Map

Tables:

Table 1: Release Information

Table 2: Site Ranking

Table 3: Summary of Laboratory Analysis

Appendices:

Appendix A: Photographic Documentation

Appendix B: Soil Disposal Documentation

Appendix C: Laboratory Analytical Reports

1.0 Executive Summary

On July 23, and August 20 and 21, 2014, Souder, Miller & Associates (SMA) responded to oversee the excavation of the hydrocarbon release associated with the Gallegos Canyon Unit (GCU) #89E pipeline. The release was initially reported on July 22, 2014 and is a result of internal and external corrosion of the four inch natural gas pipeline. The table below summarizes information about the pipeline remediation activities.

| TABLE 1: RELEASE INFORMATION | | | | | |
|--|---|--------------|--------------------------|-----------|--------------|
| Name | GCU #89E Pipeline Release | | | | |
| Location | Latitude/Longitude | | Section, Township, Range | | |
| | 36.60454° | -108.157400° | Unit F | Section 6 | T 27N, R 12W |
| Date Reported | July 22, 2014 | | | | |
| Reported to | Tom Long | | | | |
| Land Owner | Navajo Nation; Navajo Agricultural Products Inc. (NAPI) | | | | |
| Reported To | NM Oil Conservation Division (NMOCD) and NAPI | | | | |
| Diameter of Pipeline | 4 inches | | | | |
| Source of Release | Internal/External Corrosion | | | | |
| Release Contents | Natural Gas Liquids/Condensate | | | | |
| Release Volume | Unknown | | | | |
| Nearest Waterway | Located in the West Draw tributary of the Gallegos Wash | | | | |
| Depth to Groundwater | Assumed to be less than 50 feet | | | | |
| Nearest Domestic Water Source | Greater than 1,000 feet | | | | |
| NMOCD Ranking | 40 | | | | |
| SMA Response Dates | 7/23, 8/20-21 and 9/5/2014 | | | | |
| Subcontractors | West States Energy Contractors (WSEC) | | | | |
| Disposal Facility | Envirotech Landfarm | | | | |
| Yd ³ Contaminated Soil Excavated and Disposed | 100 (Reported on Completed Form C-138) | | | | |

2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the GCU #89E pipeline release site. The site is located in the SE ¼ NW ¼ Section 6, T27N, R12W, San Juan County, 36.60454°, -108.157400°, San Juan County, New Mexico on land owned by Navajo Agricultural Products Industry (NAPI). Figure 1 illustrates the location of the site.

3.0 Site Ranking and Land Jurisdiction

The release site is located in the West Draw tributary of the Gallegos Wash on the Navajo Nation owned by Navajo Agricultural Products Inc. (NAPI) with an elevation of approximately 5,570 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be less than 50 feet below ground surface (bgs). Figure 1 depicts the site vicinity and Figure 2 depicts the site location.

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. No wells were located within 1,000 feet or 1 mile radius of the site. The physical location of this release is within the jurisdiction of the NMOCD.

This release location has been assigned a NMOCD ranking of 40 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

4.0 Summary of Field Activities

On July 23, August 20 and 21, 2014 Souder, Miller & Associates (SMA) responded to a hydrocarbon release associated with the GCU #89E pipeline release. Excavation of the pipeline began on August 20, 2014 for pipeline repairs. Under the supervision and direction of SMA, West States Energy Contractors (WSEC) excavated soil for repair activities. SMA field screened the excavated soil, stockpiles, and the walls and base of the excavation to determine the extent of the release.

Bedrock was encountered at approximately 6 feet below ground surface (bgs) which inhibited further advancement or expansion of the excavation. The pipeline trends generally north-south in the area of the release and the excavation was elongated in that direction. Field screening indicated remaining contamination existed in the southern base of the excavation. The final excavation measured approximately 60 feet long by 16 feet wide by 6 feet deep, covering an area of approximately 960 square feet. Field screening indicated that the soils from the southern portion of the excavation were not suitable for use as backfill material. The entire excavation was left open until remedial oxidant, potassium permanganate, was applied. In total, approximately 100 cubic yards of soil was removed from the site and replaced with clean backfill material. The contaminated soil was transported to Envirotech Landfarm near Bloomfield, NM. Soil disposal documentation is included in Appendix B.

Soil samples were initially field screened with a calibrated photoionization detector (PID) equipped with a 10.6 electron volt bulb. Samples were submitted for confirmation laboratory analysis per United States Environmental Protection Agency Methods: 8021 for benzene, toluene, ethylbenzene, and xylenes (BTEX) and 8015 for diesel and gasoline range organics (DRO/GRO). All samples were analyzed by Hall Environmental Analytical Laboratory in Albuquerque, New Mexico. Figure 3 illustrates the extent of the excavation and composite soil sample locations and laboratory results.

On September 5, 2014, SMA oversaw Envirotech's application of liquid potassium permanganate remedial oxidant to the open excavation. A solution comprised of approximately 150 gallons of potassium permanganate and 25 gallons of potable water was applied to the excavation. A

substantial amount of the potassium permanganate solution was applied to the south base of the excavation, where known hydrocarbon impacts existed. The remaining solution was applied to the remainder of the excavation including all the sidewalls and the base. The excavation was then completely backfilled on September 11, 2014.

5.0 Conclusions and Recommendations

NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 40: 10 ppm (mg/kg) benzene, 50 ppm total BTEX, and 100 ppm TPH. Laboratory analysis of the SC-17 South Base sample, comprised of bedrock, detected 200 mg/kg GRO, 260 mg/kg DRO and 1.57 mg/kg BTEX. Laboratory analysis for the sample SC#16 North Base were below NMOCD remediation standards with a detection of 13 mg/kg DRO and 0.37 mg/kg combined BTEX. Similarly, laboratory analysis of samples SC#12, and SC#15 were below NMOCD soil remediation standards with detections of 0.060 mg/kg and 0.051 mg/kg combined BTEX, respectfully. All other samples collected from the excavation were below laboratory detection limits.

Three samples, SC#18 North Spoil, SC#19 Center Spoil and SC#20 South Spoil were collected from the soil stockpiled from the excavation. Benzene concentrations were below laboratory detection limits in all soil samples collected from the stockpile. Laboratory results for all stockpile samples detected GRO, DRO and one or more components of BTEX. However, only soil sample SC#20 South Spoil exceeded NMOCD guidelines with 133 mg/kg combined TPH concentration. The South Spoil stockpile was transported off site for disposal and the remaining stockpile was used to backfill the excavation.

Soil contaminant concentrations are illustrated in Figure 3. A summary of laboratory analysis is included in Table 3. Laboratory reports are included in Appendix C

Enterprise Products reached an agreement with both the Navajo Nation EPA and the NMOCD to apply the potassium permanganate solution and backfill the excavation with no further action required based on the encountering the sandstone bedrock inhibiting further excavation. Due to removal and offsite disposal of contaminated soil, the level of contaminants of concern remaining in the excavation, and the application of the potassium permanganate to the excavation, SMA is in agrees with no further action at the GCU #89E pipeline release location.

6.0 Closure and Limitations

The scope of our services consisted of the performance of a preliminary spill assessment, verification of release stabilization, regulatory liaison, oversight and control of remediation operations, disposal arrangements and documentation, project management, and preparation of this summary report. All work has been performed in accordance with generally accepted professional environmental consulting practices.

If there are any questions regarding this report, please contact either Steve Moskal or Reid Allen at 505-325-7535.

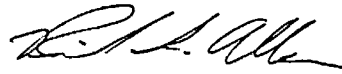
Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES

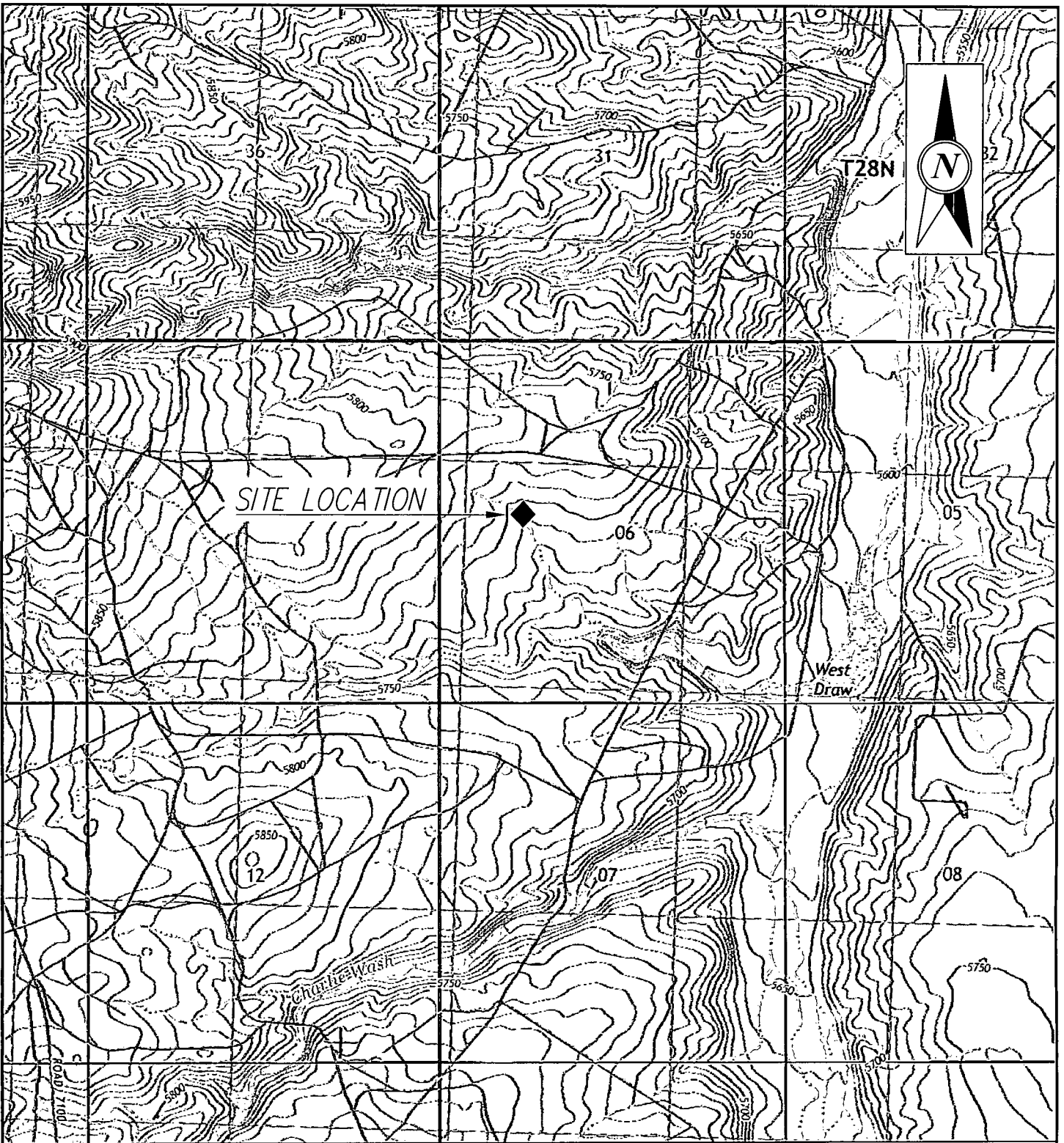


Steve Moskal
Project Scientist



Reid S. Allen, P.G.
Principal Scientist

Figures



SOUDER, MILLER & ASSOCIATES
 401 W. BROADWAY
 FARMINGTON, NM 87401
 Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045
 www.soudermiller.com
 Serving the Southwest & Rocky Mountains
 Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM - El Paso, TX
 Cortez - Grand Junction - Montrose, CO - Safford, AZ - Moab, UT

ENTERPRISE

FARMINGTON, NEW MEXICO

| | | |
|----------------|--------------|----------------|
| Designed SM | Drawn DJB | Checked RSA |
|----------------|--------------|----------------|

Date: 8/22/2014

Scale: Horiz: 1"=2000'
 Vert: N/A

Project No: 5122855

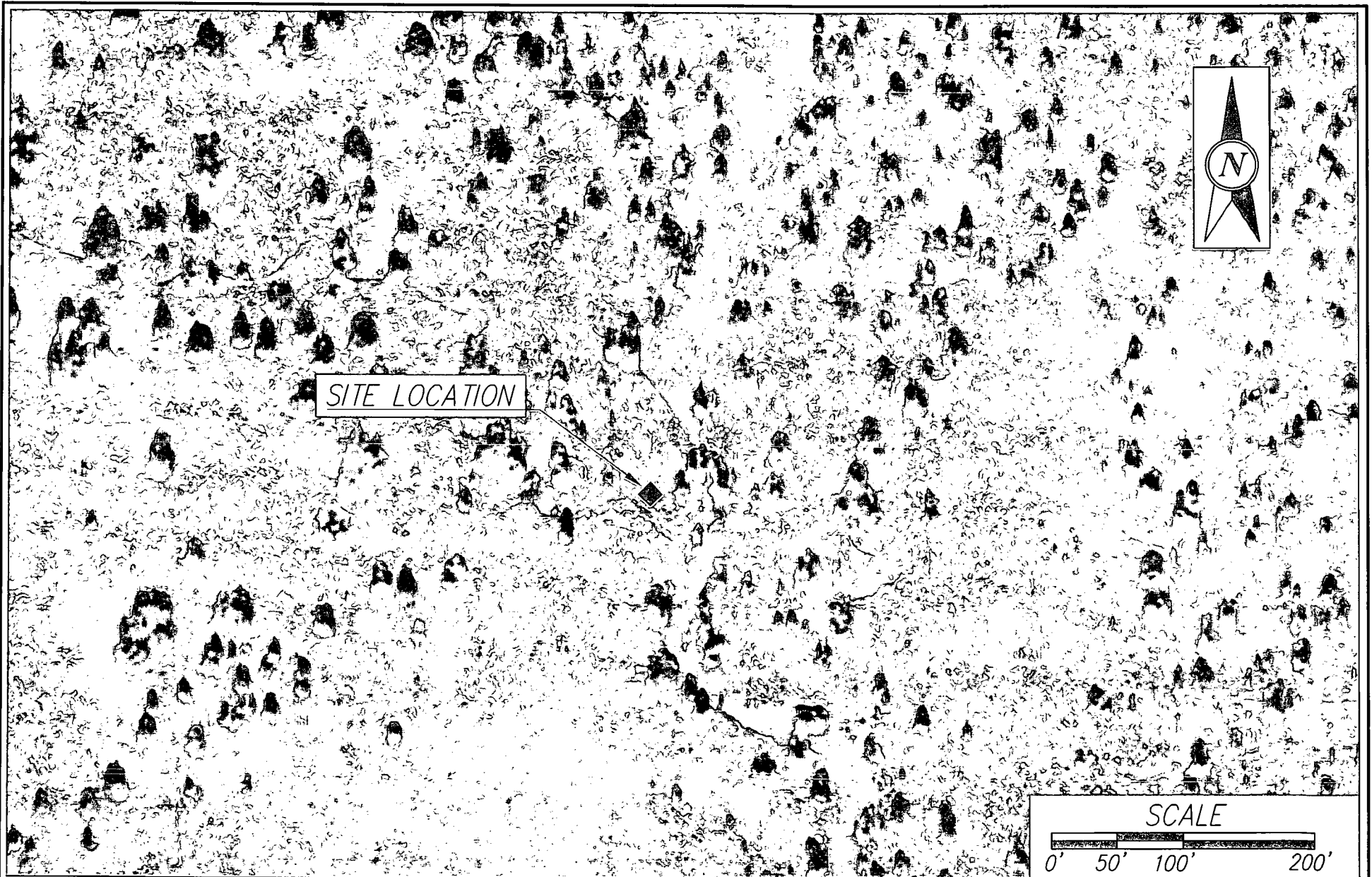
Sheet: 1

VICINITY MAP

GCU #89E

SECTION 6, T27N, R12W

SAN JUAN COUNTY, NEW MEXICO



SOUDER, MILLER & ASSOCIATES
 401 W. BROADWAY
 FARMINGTON, NM 87401
 Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045
 www.soudermiller.com
 Serving the Southwest & Rocky Mountains
 Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM • El Paso, TX
 Cortez - Grand Junction - Montrose, CO • Salt Lake City, UT

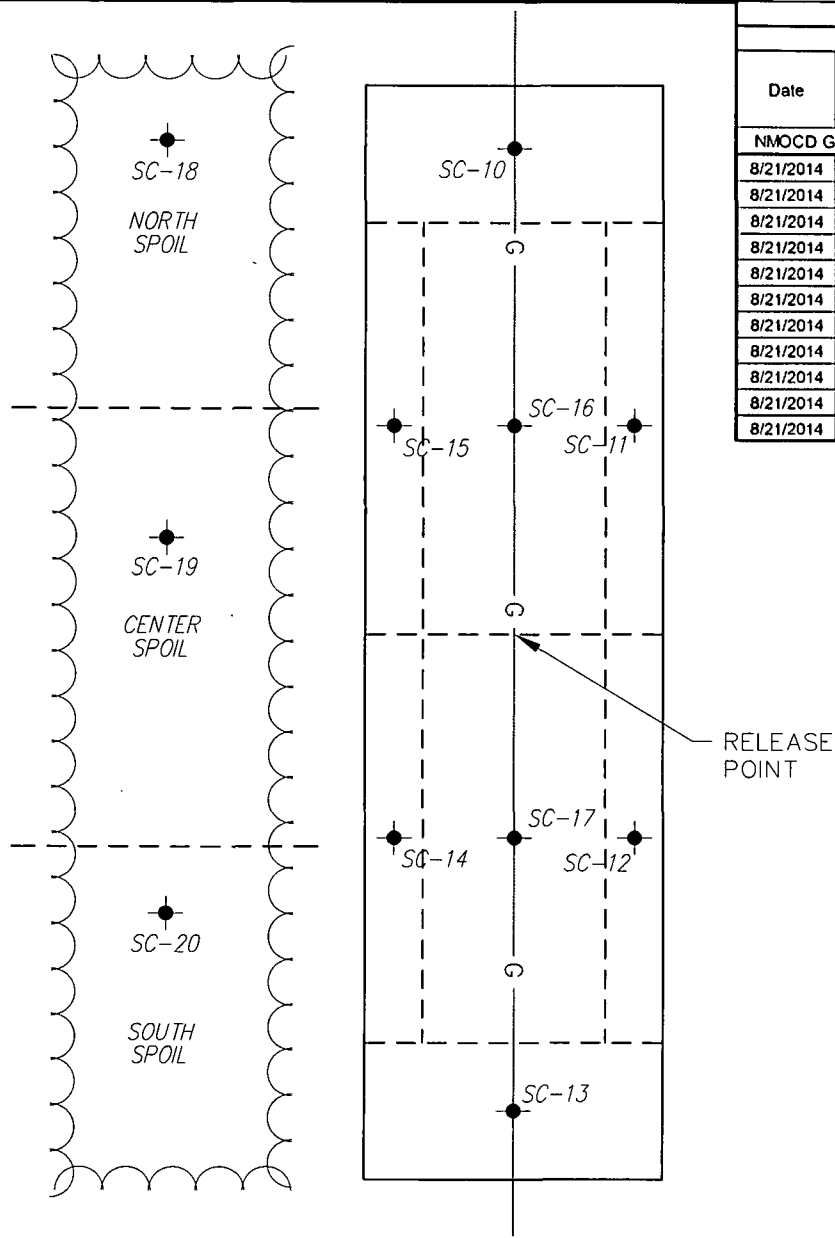
ENTERPRISE

FARMINGTON, NEW MEXICO

SITE LOCATION MAP
GCU #89E
SECTION 6, T27N, R12W

SAN JUAN COUNTY, NEW MEXICO

| Designed SM | Drawn DJB | Checked RSA |
|-----------------------|--------------|----------------|
| Date: 8/22/2014 | | |
| Scale: Horiz: 1"=100' | | |
| Vert: N/A | | |
| Project No: 5122855 | | |
| Sheet: 2 | | |

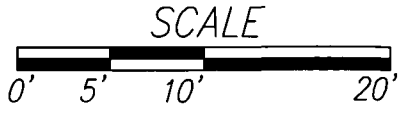


| LABORATORY ANALYTICAL SUMMARY | | | | | | | |
|-------------------------------|------|------------------------|-------------------------|-----------------|-----------------|---------------------|------------------|
| Soil Samples | | | | | | | |
| Date | Time | Sample ID | Sample Depth (Feet BGS) | Method 8015 GRO | Method 8015 DRO | Method 8021 Benzene | Method 8021 BTEX |
| NMOCD Guidelines | | NMOCD Site Ranking: 40 | | 100 ppm | | 10 ppm | 50 ppm |
| 8/21/2014 | 2:05 | SC #10 N End Wall | 0-6 | <4.8 | <10 | <0.048 | <0.096 |
| 8/21/2014 | 2:12 | SC #11 NE Wall | 0-6 | <4.9 | <10 | <0.049 | <0.098 |
| 8/21/2014 | 2:17 | SC #12 SE Wall | 0-6 | <4.8 | <10 | <0.048 | 0.060 |
| 8/21/2014 | 2:21 | SC #13 S End Wall | 0-6 | <4.8 | <9.8 | <0.048 | <0.096 |
| 8/21/2014 | 2:27 | SC #14 SW Wall | 0-6 | <5.0 | <9.9 | <0.050 | <0.10 |
| 8/21/2014 | 2:32 | SC #15 NW Wall | 0-6 | <4.6 | <10 | <0.046 | 0.051 |
| 8/21/2014 | 2:38 | SC #16 N Base | 6 | <4.7 | 13.0 | <0.047 | 0.37 |
| 8/21/2014 | 2:43 | SC #17 Base | 6 | 200 | 260 | <0.049 | 1.57 |
| 8/21/2014 | 3:07 | SC #18 N SPOIL | NA | 5.2 | 13 | <0.049 | 0.059 |
| 8/21/2014 | 3:13 | SC #19 Center SPOIL | NA | 58 | 31 | <0.049 | 1.25 |
| 8/21/2014 | 3:19 | SC #20 S SPOIL | NA | 99 | 34 | <0.049 | 1.70 |



LEGEND

● SOIL SAMPLE LOCATION
RESULTS IN mg/kg REPORTED 8-28-14



SOUDER, MILLER & ASSOCIATES
401 W. BROADWAY
FARMINGTON, NM 87401
Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045
www.soudermiller.com
Serving the Southwest & Rocky Mountains
Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM • El Paso, TX
Cortez • Grand Junction • Montrose, CO • Safford, AZ • Moab, UT

ENTERPRISE
SAN JUAN COUNTY, NEW MEXICO

SOIL SAMPLE LOCATION MAP
GCU #89E
SECTION 6, T27N, R12W

FARMINGTON, NEW MEXICO

| Designed | Drawn | Checked |
|-------------|-----------|---------|
| SM | DJB | RSA |
| Date: | 8/22/2014 | |
| Scale: | Horiz: | 1"=20' |
| | Vert: | N/A |
| Project No: | 5122855 | |
| Sheet: | 3 | |

Tables

| Depth to Groundwater | NMOCD Numeric Rank for this Site | Source for Ranking | Notes |
|---|----------------------------------|--|---|
| < 50 BGS = 20 | 20 | Field verification that release is located in a tributary of the Gallegos Wash | Groundwater is assumed to be less than 50 feet below ground surface |
| 50' to 99' = 10 | | | |
| >100' = 0 | 0 | | |
| Ranking Criteria for Horizontal Distance to Nearest Surface Water | NMOCD Numeric Rank for this Site | Source for Ranking | Notes |
| < 200' = 20 | 20 | Field verification that release is located in a tributary of the Gallegos Wash | Release is located less than 200 feet from a tributary of the Gallegos Wash |
| 200'-1000' = 10 | | | |
| >1000' | 0 | | |
| Ranking Criteria for Horizontal Distance to a Water Well or Water Source | NMOCD Numeric Rank for this Site | Source for Ranking | Notes |
| <1000' from a water source? <200' for a private domestic water source? YES OR NO to BOTH. YES = 20, NO = 0 | 0 | NM State Engineer Water Well Database | No recorded water wells located within 1,000 feet or a 1 mile radius |
| | | | |
| | | | |
| Total Site Ranking | 40 | | |
| | | | |
| | | | |
| Soil Remediation Standards | 0 to 9 | 10 to 19 | >19 |
| | | | |
| Benzene | 10 PPM | 10 PPM | 10 PPM |
| BTEX | 50 PPM | 50 PPM | 50 PPM |
| TPH | 5000 PPM | 1000 PPM | 100 PPM |



| LABORATORY ANALYTICAL SUMMARY | | | | | | | |
|-------------------------------|------|------------------------|----------------------------|--------------------|--------------------|------------------------|---------------------|
| Date | Time | Sample ID | Sample Depth (Feet BGS) | Method 8015 GRO | Method 8015 DRO | Method 8021 Benzene | Method 8021 BTEX |
| NMOCD Guidelines | | NMOCD Site Ranking: 40 | | 100ppm | | 10ppm | 50ppm |
| 8/21/2014 | 2:05 | SC #1 N End Wall | 0-6 | <4.8 | <10 | <0.048 | <0.096 |
| 8/21/2014 | 2:12 | SC # 11 NE Wall | 0-6 | <4.9 | <10 | <0.049 | <0.098 |
| 8/21/2014 | 2:17 | SC #12 SE Wall | 0-6 | <4.8 | <10 | <0.048 | 0.060 |
| 8/21/2014 | 2:21 | SC#13 S End Wall | 0-6 | <4.8 | <9.8 | <0.048 | <0.096 |
| 8/21/2014 | 2:27 | SC #14 SW Wall | 0-6 | <5.0 | <9.9 | <0.050 | <0.10 |
| 8/21/2014 | 2:32 | SC#15 NW Wall | 0-6 | <4.6 | <10 | <0.046 | 0.051 |
| 8/21/2014 | 2:36 | SC #16 N Base | 6 | <4.7 | 13 | <0.047 | 0.37 |
| 8/21/2014 | 2:43 | SC #17 S Base | 6 | 200 | 260 | <0.049 | 1.57 |
| 8/21/2014 | 3:07 | SC #18 N SPOIL | NA | 5.2 | 13 | <0.049 | 0.059 |
| 8/21/2014 | 3:13 | SC #19 Center SPOIL | NA | 58 | 31 | <0.049 | 1.25 |
| 8/21/2014 | 3:19 | SC #20 S SPOIL | NA | 99 | 34 | <0.049 | 1.7 |



Appendix A

Photographic Documentation

Site Photographs
Enterprise Products GCU #89 E Pipeline Release



Photo 1: Beginning of excavation at the GCU #89E pipeline release.

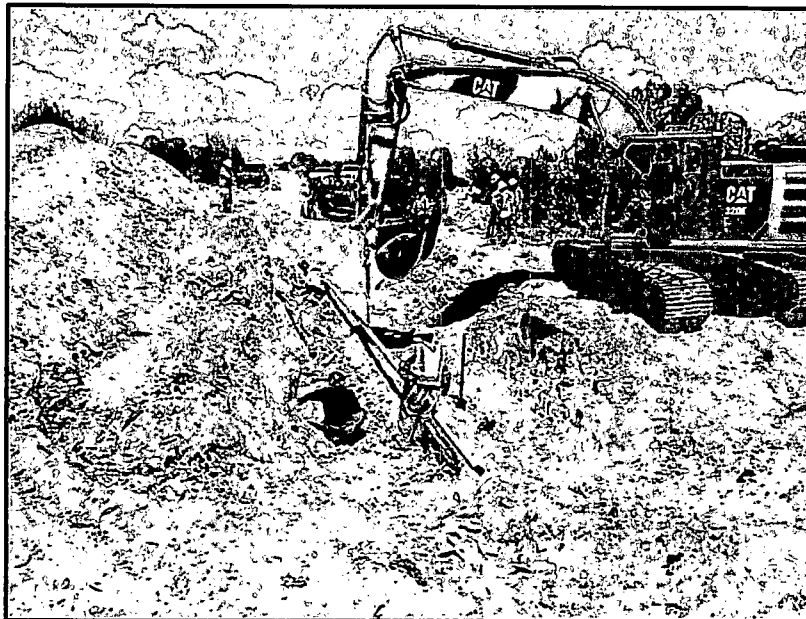


Photo 2: Pipeline repairs at the GCU #89E pipeline release.

Site Photographs
Enterprise Products GCU #89 E Pipeline Release

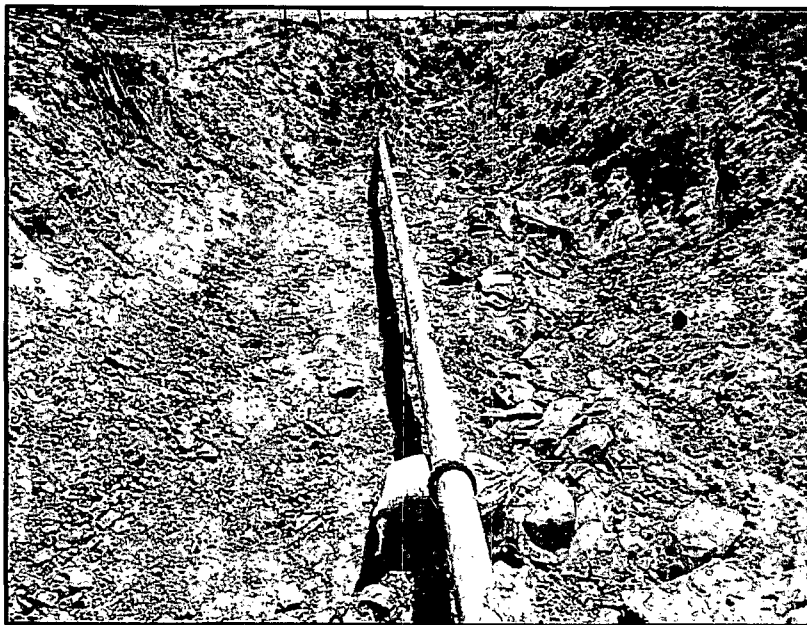


Photo 3: View of southern portion of GCU #89 E pipeline excavation.

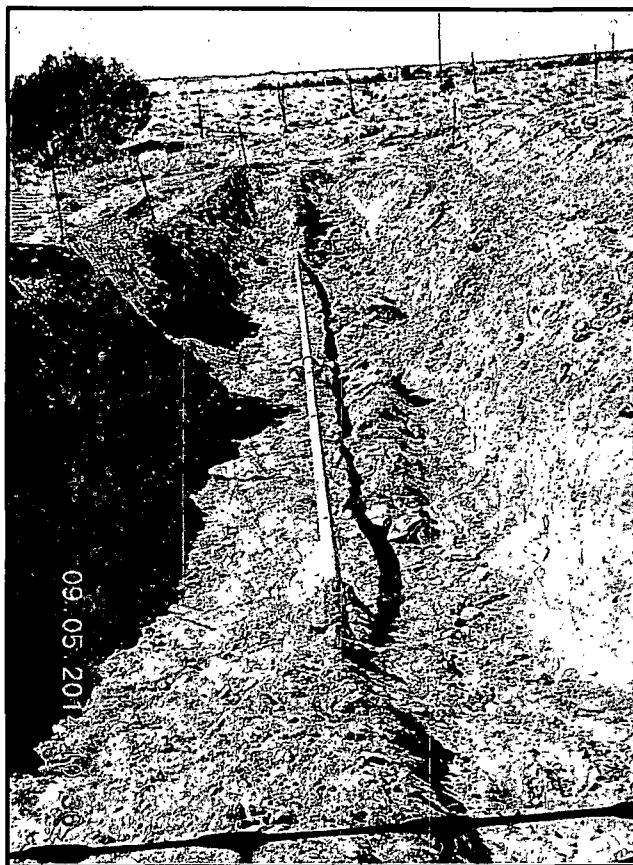


Photo 4: View of entire GCU #89 E excavation.

Site Photographs
Enterprise Products GCU #89 E Pipeline Release

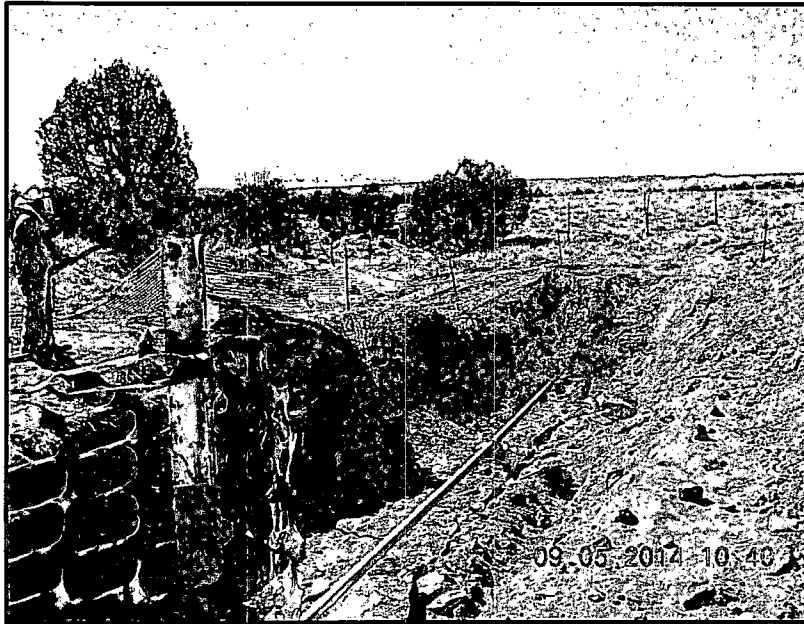


Photo 5: View of the application of Potassium Permanganate to the GCU #89E excavation.

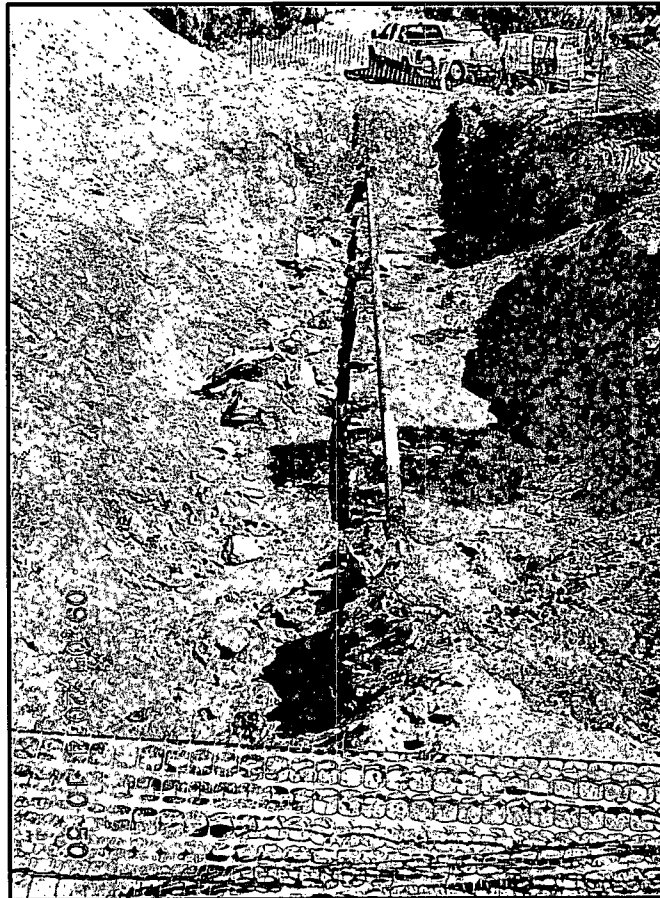


Photo 6: Post Potassium Permanganate application.

Appendix B

Soil Disposal Documentation

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

97257-0659

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:

Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

2. Originating Site: GCU #89E Natural Gas Gathering Line

Sep. '14

3. Location of Material (Street Address, City, State or ULSTR):

Unit Letter F Sec 6 T 27N R 8W, GPS 36.60454, -108.15740, San Juan County, NM

4. Source and Description of Waste:

Source: Natural Gas Pipeline Release

Description: Exempt petroleum affected soil from clean-up efforts at pipeline release.

Estimated Volume 50 yd³ bbls Known Volume (to be entered by the operator at the end of the haul) 100 yd³ bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long, representative or authorized agent for Enterprise Field Services, LLC do hereby

Generator Signature

certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☒ Per Load

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long, representative for Enterprise Field Services, LLC authorize Envirotech, Inc. to complete

Generator Signature

the required testing/sign the Generator Waste Testing Certification.

I, Kendra Running, representative for Envirotech, Inc. do hereby certify that

Representative/Agent Signature

representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter: ~~LMI~~ West States Energy Contractors or unknown trucking company on OCD approved haulers list.

OCD Permitted Surface Waste Management Facility O.F.T. Trucking, Lee Mass, Doug Foutz Construction

Name and Facility Permit #: Envirotech, Inc. Soil Remediation Facility * Permit #: NM 01-0011

Address of Facility: Hilltop, NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ **APPROVED**

☐ **DENIED (Must Be Maintained As Permanent Record)**

PRINT NAME: Kendra Running
SIGNATURE: Kendra Running

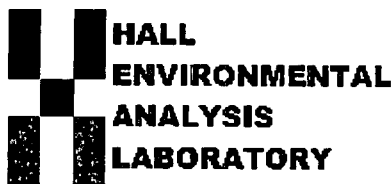
Surface Waste Management Facility Authorized Agent

TITLE: Waste Coordinator
TELEPHONE NO.: 505-632-0615

DATE: 9/11/14

Appendix C

Laboratory Analytical Reports



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 28, 2014

Steve Moskal
Souder, Miller and Associates
401 W. Broadway
Farmington, NM 87401
TEL: (505) 325-5667
FAX

RE: Enterprise GCU #83E

OrderNo.: 1408B86

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 11 sample(s) on 8/22/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1408B86

Date Reported: 8/28/2014

CLIENT: Souder, Miller and Associates**Client Sample ID:** SC#10 N END WALL@0-6'**Project:** Enterprise GCU #83E**Collection Date:** 8/21/2014 2:05:00 PM**Lab ID:** 1408B86-001**Matrix:** SOIL**Received Date:** 8/22/2014 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 8015D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BCN |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 8/26/2014 8:12:38 PM | 14935 |
| Surr: DNOP | 80.2 | 57.9-140 | | %REC | 1 | 8/26/2014 8:12:38 PM | 14935 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 8/25/2014 4:01:40 PM | 14918 |
| Surr: BFB | 92.9 | 80-120 | | %REC | 1 | 8/25/2014 4:01:40 PM | 14918 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.048 | | mg/Kg | 1 | 8/25/2014 4:01:40 PM | 14918 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 8/25/2014 4:01:40 PM | 14918 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 8/25/2014 4:01:40 PM | 14918 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 8/25/2014 4:01:40 PM | 14918 |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %REC | 1 | 8/25/2014 4:01:40 PM | 14918 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|---|---|----|--|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| | O | RSD is greater than RSDlimit | P | Sample pH greater than 2. |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | Spike Recovery outside accepted recovery limits | | |

Analytical Report

Lab Order 1408B86

Date Reported: 8/28/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC#11 NE WALL@0-6'

Project: Enterprise GCU #83E

Collection Date: 8/21/2014 2:12:00 PM

Lab ID: 1408B86-002

Matrix: SOIL

Received Date: 8/22/2014 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 8015D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BCN |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 8/26/2014 9:42:49 PM | 14935 |
| Surr: DNOP | 89.3 | 57.9-140 | | %REC | 1 | 8/26/2014 9:42:49 PM | 14935 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/25/2014 4:30:20 PM | 14918 |
| Surr: BFB | 93.1 | 80-120 | | %REC | 1 | 8/25/2014 4:30:20 PM | 14918 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.049 | | mg/Kg | 1 | 8/25/2014 4:30:20 PM | 14918 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 8/25/2014 4:30:20 PM | 14918 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 8/25/2014 4:30:20 PM | 14918 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 8/25/2014 4:30:20 PM | 14918 |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %REC | 1 | 8/25/2014 4:30:20 PM | 14918 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|-------------|---|---|----|--|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| | O | RSD is greater than RSDlimit | P | Sample pH greater than 2. |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | Spike Recovery outside accepted recovery limits | | |

Analytical Report

Lab Order 1408B86

Date Reported: 8/28/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC#12 SE WALL@0-6'**Project:** Enterprise GCU #83E**Collection Date:** 8/21/2014 2:17:00 PM**Lab ID:** 1408B86-003**Matrix:** SOIL**Received Date:** 8/22/2014 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BCN |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 8/26/2014 10:12:57 PM | 14935 |
| Surr: DNOP | 73.7 | 57.9-140 | | %REC | 1 | 8/26/2014 10:12:57 PM | 14935 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 8/25/2014 4:59:03 PM | 14918 |
| Surr: BFB | 94.2 | 80-120 | | %REC | 1 | 8/25/2014 4:59:03 PM | 14918 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.048 | | mg/Kg | 1 | 8/25/2014 4:59:03 PM | 14918 |
| Toluene | 0.060 | 0.048 | | mg/Kg | 1 | 8/25/2014 4:59:03 PM | 14918 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 8/25/2014 4:59:03 PM | 14918 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 8/25/2014 4:59:03 PM | 14918 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %REC | 1 | 8/25/2014 4:59:03 PM | 14918 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|--|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| | J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| | O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| | R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| | S Spike Recovery outside accepted recovery limits | |

Analytical Report

Lab Order 1408B86

Date Reported: 8/28/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC#13 S END WALL@0-6'**Project:** Enterprise GCU #83E**Collection Date:** 8/21/2014 2:21:00 PM**Lab ID:** 1408B86-004**Matrix:** SOIL**Received Date:** 8/22/2014 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BCN |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 8/26/2014 10:42:44 PM | 14935 |
| Surr: DNOP | 89.1 | 57.9-140 | | %REC | 1 | 8/26/2014 10:42:44 PM | 14935 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 8/25/2014 5:27:47 PM | 14918 |
| Surr: BFB | 95.8 | 80-120 | | %REC | 1 | 8/25/2014 5:27:47 PM | 14918 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.048 | | mg/Kg | 1 | 8/25/2014 5:27:47 PM | 14918 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 8/25/2014 5:27:47 PM | 14918 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 8/25/2014 5:27:47 PM | 14918 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 8/25/2014 5:27:47 PM | 14918 |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %REC | 1 | 8/25/2014 5:27:47 PM | 14918 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|---|---|----|--|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| | O | RSD is greater than RSDlimit | P | Sample pH greater than 2. |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | Spike Recovery outside accepted recovery limits | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1408B86

Date Reported: 8/28/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: SC#14 SW WALL@0-6'

Project: Enterprise GCU #83E

Collection Date: 8/21/2014 2:27:00 PM

Lab ID: 1408B86-005

Matrix: SOIL

Received Date: 8/22/2014 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BCN |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 8/26/2014 11:12:39 PM | 14935 |
| Surr: DNOP | 86.3 | 57.9-140 | | %REC | 1 | 8/26/2014 11:12:39 PM | 14935 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 8/25/2014 5:56:27 PM | 14918 |
| Surr: BFB | 95.2 | 80-120 | | %REC | 1 | 8/25/2014 5:56:27 PM | 14918 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.050 | | mg/Kg | 1 | 8/25/2014 5:56:27 PM | 14918 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 8/25/2014 5:56:27 PM | 14918 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 8/25/2014 5:56:27 PM | 14918 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 8/25/2014 5:56:27 PM | 14918 |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %REC | 1 | 8/25/2014 5:56:27 PM | 14918 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|---|---|----|--|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| | O | RSD is greater than RSDlimit | P | Sample pH greater than 2. |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | Spike Recovery outside accepted recovery limits | | |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**Lab Order **1408B86**Date Reported: **8/28/2014****CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC#15 NW WALL@0-6'**Project:** Enterprise GCU #83E**Collection Date:** 8/21/2014 2:32:00 PM**Lab ID:** 1408B86-006**Matrix:** SOIL**Received Date:** 8/22/2014 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BCN |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 8/26/2014 11:42:37 PM | 14935 |
| Surr: DNOP | 83.4 | 57.9-140 | | %REC | 1 | 8/26/2014 11:42:37 PM | 14935 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 8/25/2014 8:19:34 PM | 14918 |
| Surr: BFB | 92.6 | 80-120 | | %REC | 1 | 8/25/2014 8:19:34 PM | 14918 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.046 | | mg/Kg | 1 | 8/25/2014 8:19:34 PM | 14918 |
| Toluene | 0.051 | 0.046 | | mg/Kg | 1 | 8/25/2014 8:19:34 PM | 14918 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 8/25/2014 8:19:34 PM | 14918 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 8/25/2014 8:19:34 PM | 14918 |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %REC | 1 | 8/25/2014 8:19:34 PM | 14918 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|---|---|----|--|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| | O | RSD is greater than RSDlimit | P | Sample pH greater than 2. |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | Spike Recovery outside accepted recovery limits | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1408B86

Date Reported: 8/28/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: SC#16 N BASE@6'

Project: Enterprise GCU #83E

Collection Date: 8/21/2014 2:38:00 PM

Lab ID: 1408B86-007

Matrix: SOIL

Received Date: 8/22/2014 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BCN |
| Diesel Range Organics (DRO) | 13 | 9.9 | | mg/Kg | 1 | 8/27/2014 12:12:25 AM | 14935 |
| Surr: DNOP | 76.6 | 57.9-140 | | %REC | 1 | 8/27/2014 12:12:25 AM | 14935 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 8/25/2014 8:48:05 PM | 14918 |
| Surr: BFB | 97.0 | 80-120 | | %REC | 1 | 8/25/2014 8:48:05 PM | 14918 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.047 | | mg/Kg | 1 | 8/25/2014 8:48:05 PM | 14918 |
| Toluene | 0.14 | 0.047 | | mg/Kg | 1 | 8/25/2014 8:48:05 PM | 14918 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 8/25/2014 8:48:05 PM | 14918 |
| Xylenes, Total | 0.23 | 0.094 | | mg/Kg | 1 | 8/25/2014 8:48:05 PM | 14918 |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %REC | 1 | 8/25/2014 8:48:05 PM | 14918 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | | |
|-------------|---|---|----|--|--------------|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank | Page 7 of 14 |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | |
| | O | RSD is greater than RSDlimit | P | Sample pH greater than 2. | |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | Spike Recovery outside accepted recovery limits | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1408B86

Date Reported: 8/28/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: SC#17 S BASE@6'

Project: Enterprise GCU #83E

Collection Date: 8/21/2014 2:43:00 PM

Lab ID: 1408B86-008

Matrix: SOIL

Received Date: 8/22/2014 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BCN |
| Diesel Range Organics (DRO) | 260 | 9.9 | | mg/Kg | 1 | 8/27/2014 12:42:24 AM | 14935 |
| Surr: DNOP | 86.0 | 57.9-140 | | %REC | 1 | 8/27/2014 12:42:24 AM | 14935 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 200 | 4.9 | | mg/Kg | 1 | 8/25/2014 9:16:47 PM | 14918 |
| Surr: BFB | 947 | 80-120 | S | %REC | 1 | 8/25/2014 9:16:47 PM | 14918 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.049 | | mg/Kg | 1 | 8/25/2014 9:16:47 PM | 14918 |
| Toluene | 0.49 | 0.049 | | mg/Kg | 1 | 8/25/2014 9:16:47 PM | 14918 |
| Ethylbenzene | 0.56 | 0.049 | | mg/Kg | 1 | 8/25/2014 9:16:47 PM | 14918 |
| Xylenes, Total | 5.2 | 0.097 | | mg/Kg | 1 | 8/25/2014 9:16:47 PM | 14918 |
| Surr: 4-Bromofluorobenzene | 166 | 80-120 | S | %REC | 1 | 8/25/2014 9:16:47 PM | 14918 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|---|---|----|--|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| | O | RSD is greater than RSDlimit | P | Sample pH greater than 2. |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | Spike Recovery outside accepted recovery limits | | |

Analytical Report

Lab Order 1408B86

Date Reported: 8/28/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC#18 N SPOIL**Project:** Enterprise GCU #83E**Collection Date:** 8/21/2014 3:07:00 PM**Lab ID:** 1408B86-009**Matrix:** SOIL**Received Date:** 8/22/2014 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BCN |
| Diesel Range Organics (DRO) | 13 | 9.9 | | mg/Kg | 1 | 8/27/2014 1:12:23 AM | 14935 |
| Surr: DNOP | 80.0 | 57.9-140 | | %REC | 1 | 8/27/2014 1:12:23 AM | 14935 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 5.2 | 4.9 | | mg/Kg | 1 | 8/25/2014 10:14:04 PM | 14918 |
| Surr: BFB | 114 | 80-120 | | %REC | 1 | 8/25/2014 10:14:04 PM | 14918 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.049 | | mg/Kg | 1 | 8/25/2014 10:14:04 PM | 14918 |
| Toluene | 0.059 | 0.049 | | mg/Kg | 1 | 8/25/2014 10:14:04 PM | 14918 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 8/25/2014 10:14:04 PM | 14918 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 8/25/2014 10:14:04 PM | 14918 |
| Surr: 4-Bromofluorobenzene | 105 | 80-120 | | %REC | 1 | 8/25/2014 10:14:04 PM | 14918 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | | |
|--------------------|---|---|----|--|--------------|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank | Page 9 of 14 |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | |
| | O | RSD is greater than RSDlimit | P | Sample pH greater than 2. | |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | Spike Recovery outside accepted recovery limits | | | |

Analytical Report

Lab Order 1408B86

Date Reported: 8/28/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC#19 CENTER SPOIL**Project:** Enterprise GCU #83E**Collection Date:** 8/21/2014 3:13:00 PM**Lab ID:** 1408B86-010**Matrix:** SOIL**Received Date:** 8/22/2014 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BCN |
| Diesel Range Organics (DRO) | 31 | 9.9 | | mg/Kg | 1 | 8/27/2014 1:42:17 AM | 14935 |
| Surr: DNOP | 77.7 | 57.9-140 | | %REC | 1 | 8/27/2014 1:42:17 AM | 14935 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 58 | 4.9 | | mg/Kg | 1 | 8/25/2014 10:42:42 PM | 14918 |
| Surr: BFB | 368 | 80-120 | S | %REC | 1 | 8/25/2014 10:42:42 PM | 14918 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.049 | | mg/Kg | 1 | 8/25/2014 10:42:42 PM | 14918 |
| Toluene | 0.14 | 0.049 | | mg/Kg | 1 | 8/25/2014 10:42:42 PM | 14918 |
| Ethylbenzene | 0.11 | 0.049 | | mg/Kg | 1 | 8/25/2014 10:42:42 PM | 14918 |
| Xylenes, Total | 1.0 | 0.097 | | mg/Kg | 1 | 8/25/2014 10:42:42 PM | 14918 |
| Surr: 4-Bromofluorobenzene | 123 | 80-120 | S | %REC | 1 | 8/25/2014 10:42:42 PM | 14918 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|--|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| | J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| | O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| | R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| | S Spike Recovery outside accepted recovery limits | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1408B86

Date Reported: 8/28/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: SC#20 S SPOIL

Project: Enterprise GCU #83E

Collection Date: 8/21/2014 3:19:00 PM

Lab ID: 1408B86-011

Matrix: SOIL

Received Date: 8/22/2014 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BCN |
| Diesel Range Organics (DRO) | 34 | 9.9 | | mg/Kg | 1 | 8/27/2014 2:12:04 AM | 14935 |
| Surr: DNOP | 83.1 | 57.9-140 | | %REC | 1 | 8/27/2014 2:12:04 AM | 14935 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 99 | 4.9 | | mg/Kg | 1 | 8/25/2014 11:39:49 PM | 14918 |
| Surr: BFB | 542 | 80-120 | S | %REC | 1 | 8/25/2014 11:39:49 PM | 14918 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.049 | | mg/Kg | 1 | 8/25/2014 11:39:49 PM | 14918 |
| Toluene | 0.13 | 0.049 | | mg/Kg | 1 | 8/25/2014 11:39:49 PM | 14918 |
| Ethylbenzene | 0.17 | 0.049 | | mg/Kg | 1 | 8/25/2014 11:39:49 PM | 14918 |
| Xylenes, Total | 1.4 | 0.098 | | mg/Kg | 1 | 8/25/2014 11:39:49 PM | 14918 |
| Surr: 4-Bromofluorobenzene | 132 | 80-120 | S | %REC | 1 | 8/25/2014 11:39:49 PM | 14918 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | | |
|--------------------|---|---|----|--|---------------|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank | Page 11 of 14 |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | |
| | O | RSD is greater than RSDlimit | P | Sample pH greater than 2. | |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | Spike Recovery outside accepted recovery limits | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1408B86

28-Aug-14

Client: Souder, Miller and Associates

Project: Enterprise GCU #83E

| | | | | | | | | | | |
|-----------------------------|------------------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | 1408B86-001AMS | SampType: | MS | TestCode: | EPA Method 8015D: Diesel Range Organics | | | | | |
| Client ID: | SC#10 N END WALL | Batch ID: | 14935 | RunNo: | 20785 | | | | | |
| Prep Date: | 8/25/2014 | Analysis Date: | 8/26/2014 | SeqNo: | 606062 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 41 | 10 | 49.85 | 0 | 83.1 | 40.1 | 152 | | | |
| Surr: DNOP | 4.2 | | 4.985 | | 83.6 | 57.9 | 140 | | | |

| | | | | | | | | | | |
|-----------------------------|------------------|----------------|-----------|-------------|---|----------|-----------|-------|----------|------|
| Sample ID | 1408B86-001AMSD | SampType: | MSD | TestCode: | EPA Method 8015D: Diesel Range Organics | | | | | |
| Client ID: | SC#10 N END WALL | Batch ID: | 14935 | RunNo: | 20785 | | | | | |
| Prep Date: | 8/25/2014 | Analysis Date: | 8/26/2014 | SeqNo: | 606063 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 42 | 10 | 49.75 | 0 | 83.6 | 40.1 | 152 | 0.449 | 32.1 | |
| Surr: DNOP | 4.3 | | 4.975 | | 86.4 | 57.9 | 140 | 0 | 0 | |

| | | | | | | | | | | |
|-----------------------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | MB-14935 | SampType: | MBLK | TestCode: | EPA Method 8015D: Diesel Range Organics | | | | | |
| Client ID: | PBS | Batch ID: | 14935 | RunNo: | 20785 | | | | | |
| Prep Date: | 8/25/2014 | Analysis Date: | 8/26/2014 | SeqNo: | 606091 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Surr: DNOP | 7.3 | | 10.00 | | 73.4 | 57.9 | 140 | | | |

| | | | | | | | | | | |
|-----------------------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | LCS-14935 | SampType: | LCS | TestCode: | EPA Method 8015D: Diesel Range Organics | | | | | |
| Client ID: | LCSS | Batch ID: | 14935 | RunNo: | 20785 | | | | | |
| Prep Date: | 8/25/2014 | Analysis Date: | 8/26/2014 | SeqNo: | 606093 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 38 | 10 | 50.00 | 0 | 75.5 | 68.6 | 130 | | | |
| Surr: DNOP | 3.8 | | 5.000 | | 76.8 | 57.9 | 140 | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | MB-14960 | SampType: | MBLK | TestCode: | EPA Method 8015D: Diesel Range Organics | | | | | |
| Client ID: | PBS | Batch ID: | 14960 | RunNo: | 20785 | | | | | |
| Prep Date: | 8/26/2014 | Analysis Date: | 8/27/2014 | SeqNo: | 606419 | Units: | %REC | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 8.1 | | 10.00 | | 81.1 | 57.9 | 140 | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | LCS-14960 | SampType: | LCS | TestCode: | EPA Method 8015D: Diesel Range Organics | | | | | |
| Client ID: | LCSS | Batch ID: | 14960 | RunNo: | 20785 | | | | | |
| Prep Date: | 8/26/2014 | Analysis Date: | 8/27/2014 | SeqNo: | 606510 | Units: | %REC | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 4.1 | | 5.000 | | 82.8 | 57.9 | 140 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E : Value above quantitation range
- J : Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1408B86

28-Aug-14

Client: Souder, Miller and Associates

Project: Enterprise GCU #83E

| | | | | | | | | | | |
|-------------------------------|-----------|---------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-14918 | SampType | MBLK | TestCode | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID | PBS | Batch ID | 14918 | RunNo | 20779 | | | | | |
| Prep Date | 8/22/2014 | Analysis Date | 8/25/2014 | SeqNo | 604746 | Units | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 920 | | 1000 | | 92.3 | 80 | 120 | | | |

| | | | | | | | | | | |
|-------------------------------|-----------|---------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-14918 | SampType | LCS | TestCode | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID | LCSS | Batch ID | 14918 | RunNo | 20779 | | | | | |
| Prep Date | 8/22/2014 | Analysis Date | 8/25/2014 | SeqNo | 604747 | Units | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 28 | 5.0 | 25.00 | 0 | 112 | 65.8 | 139 | | | |
| Surr: BFB | 1000 | | 1000 | | 99.8 | 80 | 120 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1408B86

28-Aug-14

Client: Souder, Miller and Associates

Project: Enterprise GCU #83E

| | | | | | | | | | | |
|----------------------------|-----------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-14918 | SampType: | MBLK | TestCode: | EPA Method 8021B: Volatiles | | | | | |
| Client ID: | PBS | Batch ID: | 14918 | RunNo: | 20779 | | | | | |
| Prep Date: | 8/22/2014 | Analysis Date: | 8/25/2014 | SeqNo: | 604773 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.050 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 104 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|-----------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-14918 | SampType: | LCS | TestCode: | EPA Method 8021B: Volatiles | | | | | |
| Client ID: | LCSS | Batch ID: | 14918 | RunNo: | 20779 | | | | | |
| Prep Date: | 8/22/2014 | Analysis Date: | 8/25/2014 | SeqNo: | 604774 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.99 | 0.050 | 1.000 | 0 | 99.4 | 80 | 120 | | | |
| Toluene | 0.98 | 0.050 | 1.000 | 0 | 98.1 | 80 | 120 | | | |
| Ethylbenzene | 1.0 | 0.050 | 1.000 | 0 | 102 | 80 | 120 | | | |
| Xylenes, Total | 3.1 | 0.10 | 3.000 | 0 | 102 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 110 | 80 | 120 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Sample Log-In Check List

Client Name: SMA-FARM

Work Order Number: 1408B86

RcptNo: 1

| | | | |
|-------------------|--------------|-----------------------|---------------------|
| Received by/date: | LM | 08/22/14 | |
| Logged By: | Celina Sessa | 8/22/2014 7:00:00 AM | <i>Celina Sessa</i> |
| Completed By: | Celina Sessa | 8/22/2014 11:20:23 AM | <i>Celina Sessa</i> |
| Reviewed By: | AK | 08/22/14 | |

Chain of Custody

- Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
- Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
- How was the sample delivered? Courier

Log In

- Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
- Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
- Sample(s) in proper container(s)? Yes ☒ No ☐
- Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
- Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
- Was preservative added to bottles? Yes ☐ No ☒ NA ☐
- VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
- Were any sample containers received broken? Yes ☐ No ☒
- Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
- Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
- Is it clear what analyses were requested? Yes ☒ No ☐
- Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

- Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

| | | | |
|----------------------|--|-------|---|
| Person Notified: | | Date: | |
| By Whom: | | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | | | |
| Client Instructions: | | | |

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.8 | Good | Yes | | | |

| | | | |
|---|--|---|--|
| <h1>Chain-of-Custody Record</h1> | | Turn-Around Time: | |
| Client: <u>Southern Miller & Assoc.</u> | | <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush | |
| Mailing Address: <u>401 W. Broadway</u> <u>Falmouth ME 04101</u> | | Project Name: <u>Enterprise</u> <u>GC # 83 E</u> | |
| Phone #: <u>505 325-7535</u> | | Project #: <u>5122855 BG 34</u> | |
| email or Fax#: <u>STEVEN.MOSKAL@SOUTHERNMILLER.COM</u> | | Project Manager: <u>Steve Moskal</u> | |
| QA/QC Package: | | Sampler: <u>Randy Watson</u> | |
| <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation) | | On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Accreditation | | Sample Temperature: <u>1.8</u> | |
| <input type="checkbox"/> NELAP <input type="checkbox"/> Other | | | |
| <input type="checkbox"/> EDD (Type) | | | |

☒ Standard ☐ Rush

Enterprise
GCU # 83 E

5122855 BG 34

Stene Moskaf

Randy Watson

□ No

18

[illegible]

| | | |
|---------|-------|-------------------|
| Date: | Time: | Relinquished by: |
| 8-21-84 | 17:30 | K. L. [Signature] |

| | | |
|--------------|---------|------|
| Received by: | Date | Time |
| Chante Wale | 8/21/14 | 1740 |

Remarks: INVOICE TO ENTERPRISE

| | | |
|---------|-------|------------------|
| Date: | Time: | Relinquished by: |
| 8/21/14 | 1820 | Art Waite |

Received by: [Signature] Date 08/22/2010 Time 10:07

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office
in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

| | |
|--|---|
| Name of Company: Enterprise Field Services LLC | Contact: Thomas Long |
| Address: 614 Reilly Ave, Farmington, NM 87401 | Telephone No. 505-599-2286 |
| Facility Name: Gallegos #2 | Facility Type: Natural Gas Gathering Line |

| | | |
|------------------------------|------------------------------|---------|
| Surface Owner: Navajo Tribal | Mineral Owner: Navajo Tribal | API No. |
|------------------------------|------------------------------|---------|

LOCATION OF RELEASE

RCUD OCT 10'14

| | | | | | | | | |
|------------------|---------------|-----------------|--------------|--------------------------|---------------------|-------------------------|-------------------|--------------------|
| Unit Letter H | Section 29 | Township 26N | Range 11W | Feet from the 2206 | North South Line | Feet from the 885 | East West Line | County San Juan |
|------------------|---------------|-----------------|--------------|--------------------------|---------------------|-------------------------|-------------------|--------------------|

OIL CONS. DIV.

Latitude 36.46020

Longitude -108.02147

DIST. 3

NATURE OF RELEASE

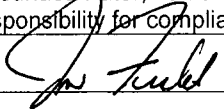
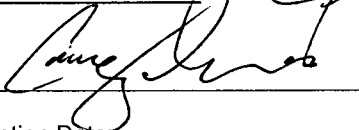
| | | |
|--|---|---|
| Type of Release: Natural Gas and Natural Gas Liquids | Volume of Release: Unknown | Volume Recovered: Unknown |
| Source of Release: Internal Corrosion | Date and Hour of Occurrence: 9/24/2014 @ 8:00 a.m. | Date and Hour of Discovery: 9/24/2014 10:00 p.m. |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? NMOCD - Cory Smith and Steve Austin - NNEPA on September 24, 2014 at 3:20 p.m. | |
| By Whom? | Date and Hour | |
| Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, Volume Impacting the Watercourse: No visible surface impacts and no fluids released. | |

If a Watercourse was Impacted, Describe Fully. * The release is located within the flood plain of the Gallegos Wash. No visible surface impacts and no fluids released.

Describe Cause of Problem and Remedial Action: On September 24, 2014, an Enterprise technician suspected a possible pipeline leak during the pigging operations on the Gallegos #2 pipeline. Area technicians depressurized pipeline and locked out and tagged out the pipeline until further investigation. A visual inspection was conducted on pipelines associated with the Gallegos #2. No visual determination of a leak was confirmed. Area technicians conducted a pressure test, and applied a sufficient amount of pressure to pipeline to verify and determine the location of the leak. Repairs and remediation are scheduled for October 7, 2014. A third party environmental contractor will oversee excavation activities and collect closure samples during repair activities.

Describe Area Affected and Cleanup Action Taken: On September 24, 2014, an Enterprise technician suspected a possible pipeline leak during the pigging operations on the Gallegos #2 pipeline. Area technicians depressurized pipeline and locked out and tagged out the pipeline until further investigation. A visual inspection was conducted on pipelines associated with the Gallegos #2. No visual determination of a leak was confirmed. Area technicians conducted a pressure test, and applied a sufficient amount of pressure to pipeline to verify and determine the location of the leak. Repairs and remediation are scheduled for October 7, 2014. A third party environmental contractor will oversee excavation activities and collect closure samples during repair activities. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | |
|--|---|-----------------------------------|
| Signature:  | OIL CONSERVATION DIVISION | |
| Printed Name: Jon Fields | Approved by Environmental Specialist:  | |
| Title: Director, Environmental | Approval Date: 11/13/14 | Expiration Date: |
| E-mail Address: jefields@eprod.com | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 10/17/2014 | Phone: (713) 381-6684 | |

* Attach Additional Sheets If Necessary

#NCS/143/1742228

42