OIL CONS. DIV DIST. 3

JAN 11 2016

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 2C-55**	Facility Type: **Natural Gas Gather Pipeline**

Surface Owner: **BLM**	Mineral Owner: **BLM**	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	**19**	**25N**	**7W**	**1236**		**1874**		**Rio Arriba**

Latitude 36.38203 Longitude 107.61250

NATURE OF RELEASE

Type of Release: Natural Gas and Condensate	Volume of Release: **25 MCF Gas; 5-10 BBLs Liquids**	Volume Recovered: **None**
Source of Release: Internal Corrosion	Date and Hour of Occurrence: **10/13/2015 @ 4:30 p.m.**	Date and Hour of Discovery: **10/13/2015 @ 5:00 p.m.**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? Courtesy Notification Cory Smith – NMOCD; Katherina Diemer - BLM	
By Whom? Thomas Long	Date and Hour 10/14/2015 @ 8:41 a.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action: On October 13, 2015, Enterprise technicians discovered a natural gas leak in the Lateral 2C-55 right of way during the remediation of a previous release. The pipeline was isolated, depressurized, locked out and tagged out. Repairs and remediation were completed on November 9, 2015.

Describe Area Affected and Cleanup Action Taken: The contaminant mass was removed by mechanical excavation. The final excavation measured approximately 60 feet long by 45 feet wide and approximately 10 feet deep. Approximately 562 cubic yards of hydrocarbon impacted soil were excavated and transported to a New Mexico Oil Conservation approved land farm facility. A third party 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: Jon Fields	OIL CONSERVATION DIVISION
Printed Name: Jon E. Fields	Approved by Environmental Specialist:
Title: Director, Environmental	Approval Date: 1/13/2016 Expiration Date:
E-mail Address:jefields@eprod.com	Conditions of Approval: — Attached ☐
Date: 1-6-2016 Phone: (713)381-6684	

* Attach Additional Sheets If Necessary

NF1601334408

40

Enterprise Products
Lateral 2C-55 October 13, 2015 Pipeline Release
Latitude 36.38203°, Longitude -107.61250°
Unit Letter O Section 19 T25N R7W
Rio Arriba County, New Mexico
November 25, 2015

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

Figures:

Tables:

Appendices:

1.0 Executive Summary

From October 13, 2015 to November 9, 2015 Souder, Miller & Associates (SMA) oversaw remedial activities in response to a secondary hydrocarbon release associated with the Lateral 2C-55 pipeline. The table below summarizes information about the release and remediation activities.

TABLE 1: RELEASE INFORMATION

Name	Lateral 2C-55 October 13, 2015 Pipeline Release			
Location	Latitude/Longitude		Section, Township, Range	
	36.38203	-107.61250	(SW¼ /SE ¼) Unit O Section 19	T 25N, R 7W
Date Reported	October 13, 2015			
	Thomas Long			
Land Owner	Bureau of Land Management (BLM)			
Reported To	New Mexico Oil Conservation Division (NMOCD) and BLM			
Diameter of Pipeline	8 inches			
Source of Release	Internal pipe corrosion			
Release Contents	Natural Gas/Condensate			
Release Volume: Natural Gas	Unknown			
Release Volume: Liquids/Condensate	Unknown			
Nearest Waterway	Unnamed tributary of the Palluche Wash			
Depth to Groundwater	Less than 50 feet			
Nearest Domestic Water Source	Greater than 1,000 feet			
NMOCD Ranking	40			
SMA Response Dates	October 13 through November 6, 2015			
Subcontractors	Halo Services, Inc.			
Disposal Facility	Envirotech Landfarm			
Yd^3 Contaminated Soil Excavated and Disposed	562 Yd^3			

2.0 Introduction

An initial release of an unknown amount of natural gas and liquids/condensate was reported on February 12, 2014. On October 13, 2015, during remedial activities of the February 12, 2014 release, a second release was discovered. The second release is located in (SW ¼ SE ¼) Unit O, Section 19, Township 25 North, Range 7 West, 36.38203, -107.61250, Rio Arriba County, New Mexico. On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of

the second hydrocarbon release associated with the Lateral 2C-55 8-inch pipeline release. Figure 1, Vicinity Map, illustrates the location of the release.

3.0 Site Ranking and Land Jurisdiction

The release site is located in an unnamed tributary of Palluche Wash on land owned by BLM with an elevation of approximately 6,539 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).

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. No recorded wells were located within 1,000 feet of the site. One well was located within a 1 mile radius of the site. There is no anticipated impact to this well.

The physical location of this release is within the jurisdiction of BLM and 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 total 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 October 13, 2015, during remedial activities associated with the February 12, 2015 Lateral 2C-55 release, a second release was discovered about 90 feet east of the 2014 release location. Changes in soil type from imported backfill to native gray soils indicated the newly discovered release was located just beyond the extent of the 2014 excavation. The newly discovered release was separated into a new project and excavated material was disposed of under a new NMOCD Form C-138. Impacted soils determined to be related to the new release but excavated and disposed of under the previous C-138, prior to the discovery of the second release are also included in the total volume of soil stated in this report.

A clamp was installed over the point of release #2. Pipeline repairs and remedial activities took place between October 15 and November 6, 2015. SMA guided the excavation activities by collecting composite soil samples for field screening with a calibrated photo-ionization detector (PID). When field screening suggested the extents of the excavation had been advanced beyond the contamination, SMA collected ten samples from the excavation for lab analysis. Samples are 5-point composites collected with the track-mounted excavator.

The final excavation measured approximately 60 feet long by 45 feet wide with a depth of 10 feet, covering an area of approximately 2700 square feet. A detailed excavation map is enclosed as Figure 3. In total, approximately 562 cubic yards of contaminated soil

was removed 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.

A total of ten soil 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 release point, the extent of the excavation, laboratory soil sample locations, and laboratory results.

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 analytical results for all final samples collected were below NMOCD Guidelines for benzene (10 ppm), BTEX (50 ppm) and combined GRO/DRO (100 ppm).

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.

SMA recommends no further action at the October 13, 2015 Lateral 2C-55 pipeline release location.

6.0 Closure and Limitations

The scope of our services consisted of the performance of a preliminary spill assessment and 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 Jesse Sprague or Reid Allan at 505-325-7535.

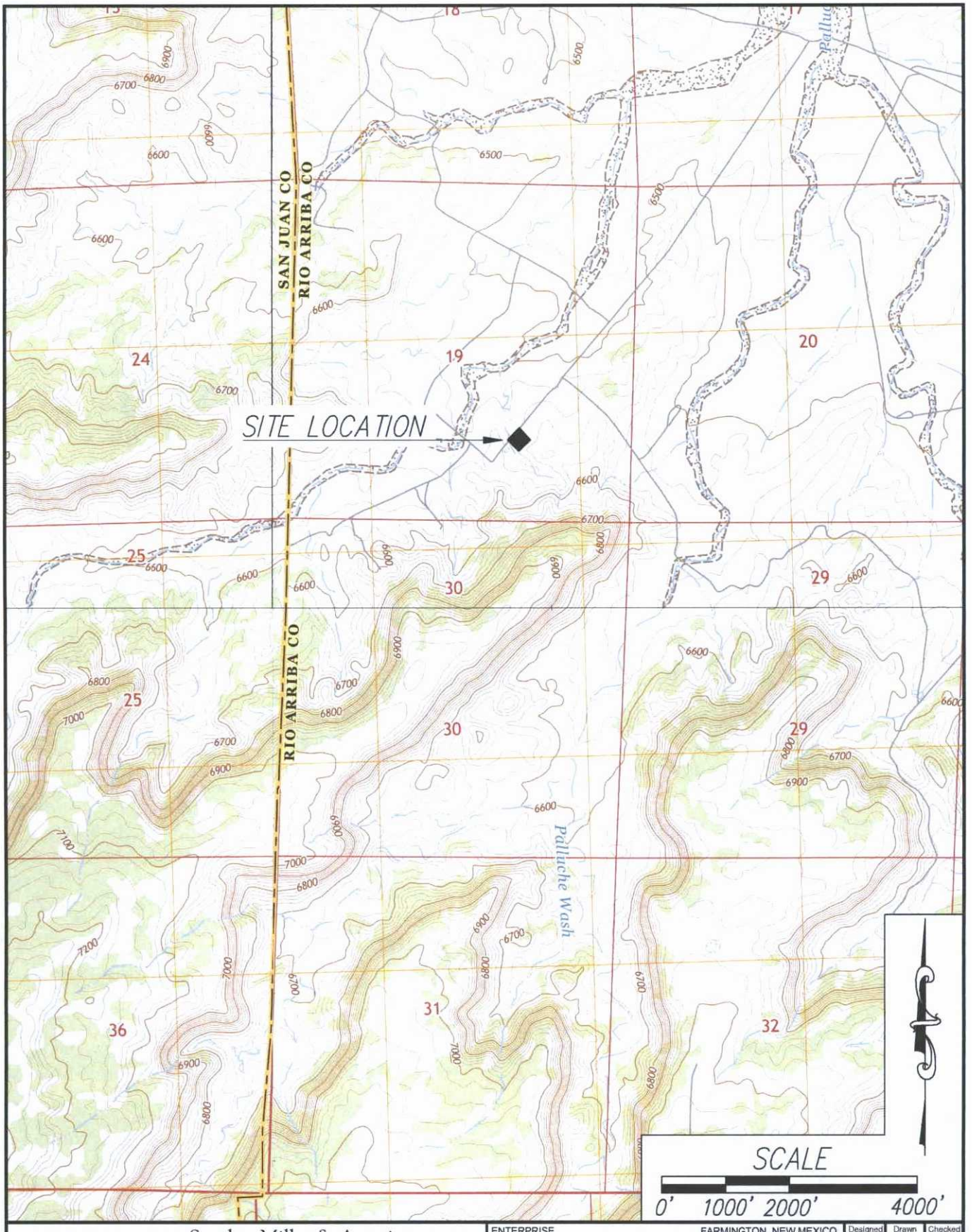
Submitted by:

Jesse Sprague
Staff Scientist

Reviewed by:

Reid S. Allan, PG
Principal Scientist

Figures



SMA
Engineering
Environmental
Surveying

Souder, Miller & Associates
401 West Broadway Avenue
Farmington, NM 87401-5907
Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 326-0045
www.soudermiller.com
Serving the Southwest & Rocky Mountains

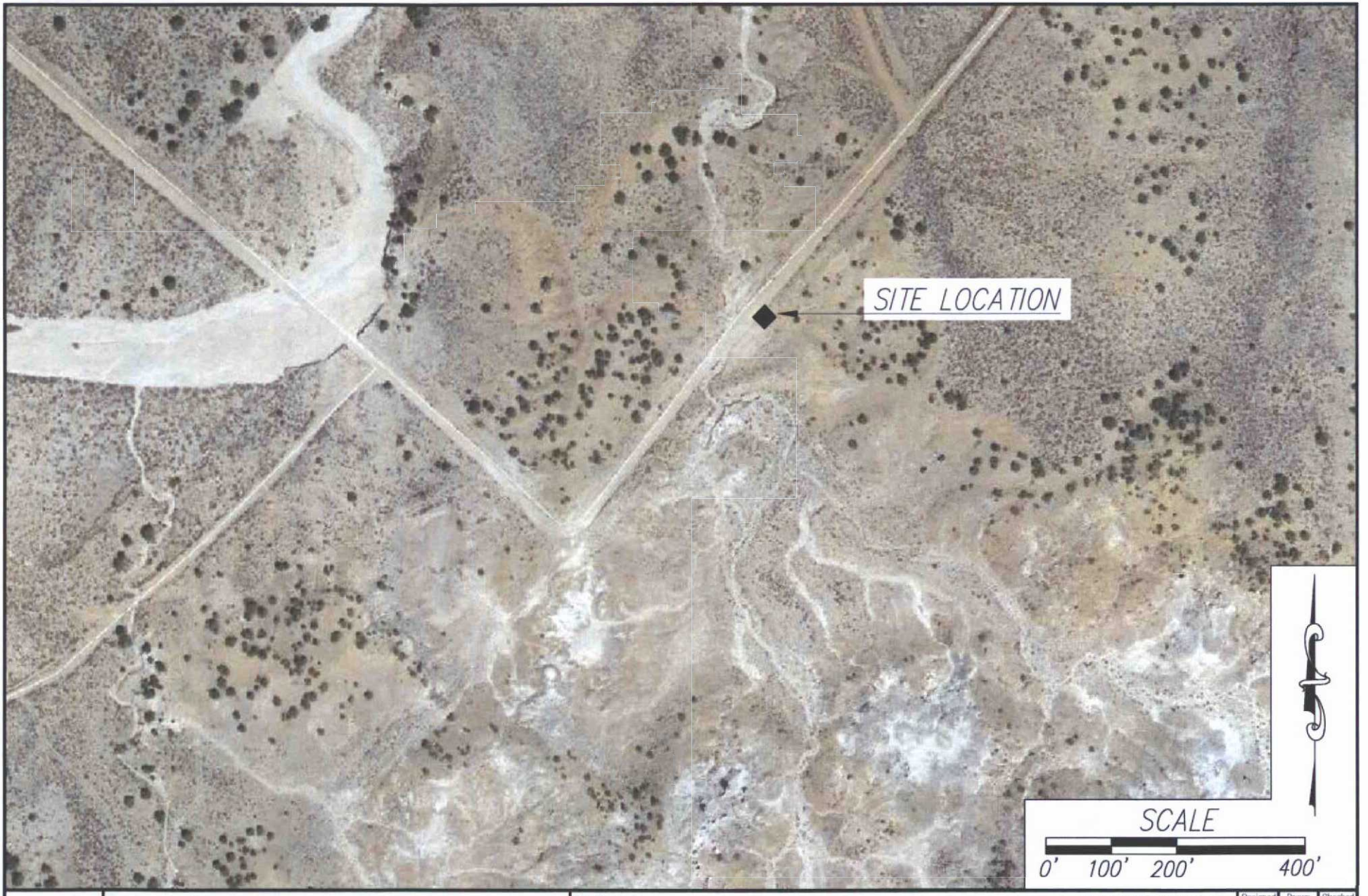
ENTERPRISE FARMINGTON, NEW MEXICO

VICINITY MAP
OCTOBER 13, 2015
LATERAL 2C-55
SECTION 19, T25N, R7W
RIO ARRIBA COUNTY

Designed	Drawn	Checked
JES	GJF	RSA

Date: December 2015
Scale: Horiz: 1" = 2000'
Vert: NA
Project No: 5123699
Figure 1

P:\5-Enterprise MSA (2015) 5123699\Release Response\BG42 - Lateral 2C-55 #2 Release\CAD\SAMPLING MAPS.dwg, DJB, 12/2/2015 1:28 PM



THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED, SIGNED AND DATED

SMA
Engineering
Environmental
Surveying

SOUDER, MILLER & ASSOCIATES
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FARMINGTON, NM 87401
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ENTERPRISE

FARMINGTON, NEW MEXICO

SITE LOCATION MAP
OCTOBER 13, 2015
LATERAL 2C-55
SECTION 19, T25N, R7W

RIO ARRIBA COUNTY, NEW MEXICO

Designed	Drawn	Checked
JES	GJF	RSA

Date: November 2015

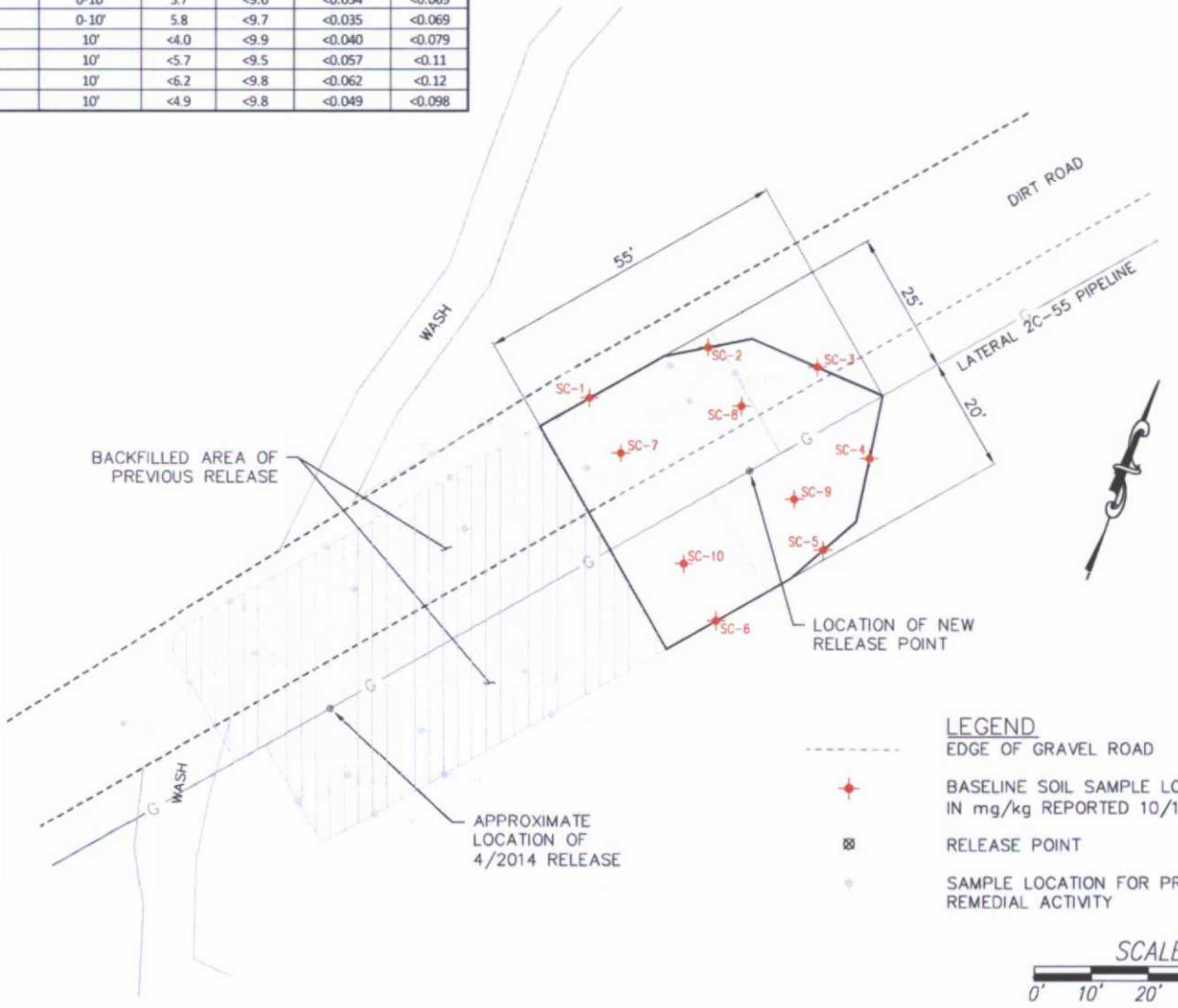
Scale: Horiz: 1"=200'
Vert: N/A

Project No: 5123699

Figure 2

P:\5-Enterprise MSA (2015) 5123699\Release Response\BG42 - Lateral 2C-55 #2 Release\CAD\SAMPLING MAPS.dwg, DJB, 12/2/2015 1:25 PM

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
11/9/2015	11:00AM	SC-1 NW Wall	0-10'	<3.7	<9.4	<0.037	<0.074
11/9/2015	11:03AM	SC-2 N Wall	0-10'	<3.8	<9.6	<0.038	<0.075
11/9/2015	11:06AM	SC-3 NE Wall	0-10'	32.0	<9.7	<0.039	<0.079
11/9/2015	11:09AM	SC-4 SE Wall	0-10'	35.0	<9.7	<0.083	<0.17
11/9/2015	11:12AM	SC-5 S Wall	0-10'	5.7	<9.6	<0.034	<0.069
11/9/2015	11:15AM	SC-6 SW Wall	0-10'	5.8	<9.7	<0.035	<0.069
11/9/2015	11:18AM	SC-7 NW Base	10'	<4.0	<9.9	<0.040	<0.079
11/9/2015	11:21AM	SC-8 NE Base	10'	<5.7	<9.5	<0.057	<0.11
11/9/2015	11:24AM	SC-9 SE Base	10'	<6.2	<9.8	<0.062	<0.12
11/9/2015	11:27AM	SC-10 SW Base	10'	<4.9	<9.8	<0.049	<0.098



NOTE:
ALL MATERIAL BELOW PIPELINE REMOVED THROUGH ENTIRE EXTENT OF BOTH EXCAVATIONS

LEGEND

EDGE OF GRAVEL ROAD

BASELINE SOIL SAMPLE LOCATION RESULTS IN mg/kg REPORTED 10/13/2015

RELEASE POINT

SAMPLE LOCATION FOR PREVIOUS 2C-55 REMEDIAL ACTIVITY

SCALE

0' 10' 20' 40'

Description | Date | Rev. #

ENTERPRISE

FARMINGTON, NEW MEXICO

SOIL SAMPLE LOCATION MAP
OCTOBER 13, 2015
LATERAL 2C-55
SECTION 19, T25N, R7W

Souder, Miller & Associates
401 West Broadway Avenue
Farmington, NM 87401-5907
Phone (505) 325-7535 Toll-Free (866) 519-6996 Fax (505) 326-6045
www.soudermiller.com
Serving the Southwest & Rocky Mountains

Designed	Drawn	Checked
JES	DJB	RSA

Date: December 2015
Scale: Horiz. 1" = 20' Vert. NA
Project No: 5123699
Figure 3

P:\5-Enterprise MSA (2015) 5123699\Release Response\BG42 - Lateral 2C-55 #2 Release\CAD\SAMPLING MAPS.dwg, DJB, 12/2/2015 1:23 PM

Tables

Enterprise Products
Table 2: Site Ranking

Lateral 2C-55
October 13, 2015
Pipeline Release
November 25, 2015

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20	20	Verified using Google Earth and TOPO maps: Field Verified	Groundwater is assumed to be less than 50 feet below the ground surface
50' to 99' = 10			
>100' = 0			
Ranking Criteria for Horizontal Distance to Nearest Surface Water	**NMOCD Numeric Rank for this Site**	**Source for Ranking**	**Notes**
< 200' = 20	20	Verified using Google Earth and TOPO maps: Field Verified	Release is located in an unnamed tributary of the Palluche Wash
200' - 1000' = 10			
>1000' = 0			
Ranking Criteria for Horizintal Distance to a Water Well or Water Source	**NMOCD Numeric Rank for this Site**	**Source for Ranking**	**Notes**
<1000' from a water source? <200' from a private domestic water source? YES OR NO to BOTH. YES = 20, NO = 0	0	New Mexico State Engineer's Office online water well data base	No recorded water wells located within 1,000 feet. One well located within a 1 mile radius
Total Site Ranking	40		
Soil Remedation 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**

Enterprise Products
Table 3: Summary of Laboratory Analysis
Results in mg/Kg

Lateracl 2C-55
October 13, 2015
Pipeline Release
November 25, 2015

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
11/9/2015	11:00AM	SC-1 NW Wall	0-10'	<3.7	<9.4	<0.037	<0.074
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11/9/2015	11:09AM	SC-4 SE Wall	0-10'	35.0	<9.7	<0.083	<0.17
11/9/2015	11:12AM	SC-5 S Wall	0-10'	5.7	<9.6	<0.034	<0.069
11/9/2015	11:15AM	SC-6 SW Wall	0-10'	5.8	<9.7	<0.035	<0.069
11/9/2015	11:18AM	SC-7 NW Base	10'	<4.0	<9.9	<0.040	<0.079
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11/9/2015	11:27AM	SC-10 SW Base	10'	<4.9	<9.8	<0.049	<0.098

APPENDIX A

SITE PHOTOGRAPHY

Site Photographs
Enterprise Products Lateral 2C-55 October 13, 2015 Pipeline Release

Photo 1: Enterprise personnel verify the October, 2015 release during the excavation of material associated with the February, 2014 release.

Photo 2: After the verification of the second release, samples were collected from the extents of the existing excavation. The second release and related remaining work was assigned to a new project.

Site Photographs
Enterprise Products Lateral 2C-55 October 13, 2015 Pipeline Release

Photo 3: Excavating beyond the newly discovered release.

Photo 4: A temporary clamp was installed to prevent further contamination and to allow the requisite pre-repair activities to take place.

Site Photographs
Enterprise Products Lateral 2C-55 October 13, 2015 Pipeline Release

Photo 5: Backfill of the previous excavation extents while excavation on the new release continued was cleared with the NMOCD.

Photo 6: After repairs where completed over 150 of new pipe was installed. All material below the pipeline was removed during repair activities.

Site Photographs
Enterprise Products Lateral 2C-55 October 13, 2015 Pipeline Release

Photo 7: Excavation of the remaining contaminated soils after repair activities concluded.

Photo 8: The October, 2015 2C-55 excavation nearing the final extents, just prior to sampling. Note dirty (gray) stockpile and clean imported (red and tan) backfill stockpiles in background.

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

9705-0746

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: Lateral 2C-55 Natural Gas Gathering Line Oct 2015

3. Location of Material (Street Address, City, State or ULSTR):
Unit Letter O Section 19 T25N R7W, GPS 36.381886, -107.61265 Rio Arriba 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) 1826 (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 9-21-15, representative for Enterprise Field Services, LLC authorize ENVIROTECH to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, [signature], 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 3E Energy, Rosenbaum, Sweazea, Ibarra, Labeto, MSI, Rich I, GBL, Flying M

OCD Permitted Surface Waste Management Facility TerrCO, OJ, envirotech, HBL, BET

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: Eric Liese TITLE: Landfarm Administrator DATE: 9-30-15
SIGNATURE: [signature] TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent

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

97057-0746

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 Nov. 2015

2. Originating Site: Lateral 2C-55 Natural Gas Gathering Line

3. Location of Material (Street Address, City, State or ULSTR):
Unit Letter O Section 19 T25N R7W, GPS 36.381886, -107.61265 Rio Arriba 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) 140 (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 11-9-15, representative for Enterprise Field Services, LLC authorize ENVIROTECH to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, [signature], representative for Enterprise 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: ~~Hilo~~, OTE, BET, Lobato, Ibarra, M&I, D.J. Services, Envirotech, Rielly

OCD Permitted Surface Waste Management Facility

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: Eric Liese TITLE: Landfarm Administrator DATE: 11/3/15
SIGNATURE: [signature] TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent

APPENDIX C

LABORATORY ANALYTICAL REPORTS

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 11, 2015

Reid Allan
Souder, Miller and Associates
401 W. Broadway
Farmington, NM 87401
TEL: (505) 325-5667
FAX (505) 327-1496

RE: 2C-55 #2 OrderNo.: 1511368

Dear Reid Allan:

Hall Environmental Analysis Laboratory received 10 sample(s) on 11/10/2015 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 qualifers 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SC-1 NW Wall
Project: 2C-55 #2
Collection Date: 11/9/2015 11:00:00 AM
Lab ID: 1511368-001 **Matrix:** SOIL **Received Date:** 11/10/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/10/2015 1:10:51 PM	22265
Surr: DNOP	69.2	70-130	S	%REC	1	11/10/2015 1:10:51 PM	22265
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	11/10/2015 10:36:10 AM	R30136
Surr: BFB	96.0	75.4-113		%REC	1	11/10/2015 10:36:10 AM	R30136
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.037		mg/Kg	1	11/10/2015 10:36:10 AM	A30136
Toluene	ND	0.037		mg/Kg	1	11/10/2015 10:36:10 AM	A30136
Ethylbenzene	ND	0.037		mg/Kg	1	11/10/2015 10:36:10 AM	A30136
Xylenes, Total	ND	0.074		mg/Kg	1	11/10/2015 10:36:10 AM	A30136
Surr: 4-Bromofluorobenzene	112	80-120		%REC	1	11/10/2015 10:36:10 AM	A30136

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
D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SC-2 N Wall
Project: 2C-55 #2
Collection Date: 11/9/2015 11:03:00 AM
Lab ID: 1511368-002 **Matrix:** SOIL **Received Date:** 11/10/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/10/2015 9:58:25 AM	22265
Surr: DNOP	82.0	70-130		%REC	1	11/10/2015 9:58:25 AM	22265
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	11/10/2015 10:59:32 AM	R30136
Surr: BFB	93.2	75.4-113		%REC	1	11/10/2015 10:59:32 AM	R30136
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.038		mg/Kg	1	11/10/2015 10:59:32 AM	A30136
Toluene	ND	0.038		mg/Kg	1	11/10/2015 10:59:32 AM	A30136
Ethylbenzene	ND	0.038		mg/Kg	1	11/10/2015 10:59:32 AM	A30136
Xylenes, Total	ND	0.075		mg/Kg	1	11/10/2015 10:59:32 AM	A30136
Surr: 4-Bromofluorobenzene	108	80-120		%REC	1	11/10/2015 10:59:32 AM	A30136

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
D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SC-3 NE Wall
Project: 2C-55 #2
Collection Date: 11/9/2015 11:06:00 AM
Lab ID: 1511368-003 **Matrix:** SOIL **Received Date:** 11/10/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/10/2015 10:20:17 AM	22265
Surr: DNOP	88.2	70-130		%REC	1	11/10/2015 10:20:17 AM	22265
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	32	3.9		mg/Kg	1	11/10/2015 11:22:47 AM	R30136
Surr: BFB	139	75.4-113	S	%REC	1	11/10/2015 11:22:47 AM	R30136
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.039		mg/Kg	1	11/10/2015 11:22:47 AM	A30136
Toluene	ND	0.039		mg/Kg	1	11/10/2015 11:22:47 AM	A30136
Ethylbenzene	ND	0.039		mg/Kg	1	11/10/2015 11:22:47 AM	A30136
Xylenes, Total	ND	0.079		mg/Kg	1	11/10/2015 11:22:47 AM	A30136
Surr: 4-Bromofluorobenzene	116	80-120		%REC	1	11/10/2015 11:22:47 AM	A30136

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
D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SC-4 SE Wall
Project: 2C-55 #2
Collection Date: 11/9/2015 11:09:00 AM
Lab ID: 1511368-004 **Matrix:** SOIL **Received Date:** 11/10/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/10/2015 10:41:29 AM	22265
Surr: DNOP	87.6	70-130		%REC	1	11/10/2015 10:41:29 AM	22265
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	35	8.3		mg/Kg	2	11/10/2015 11:46:06 AM	R30136
Surr: BFB	133	75.4-113	S	%REC	2	11/10/2015 11:46:06 AM	R30136
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.083		mg/Kg	2	11/10/2015 11:46:06 AM	A30136
Toluene	ND	0.083		mg/Kg	2	11/10/2015 11:46:06 AM	A30136
Ethylbenzene	ND	0.083		mg/Kg	2	11/10/2015 11:46:06 AM	A30136
Xylenes, Total	ND	0.17		mg/Kg	2	11/10/2015 11:46:06 AM	A30136
Surr: 4-Bromofluorobenzene	115	80-120		%REC	2	11/10/2015 11:46:06 AM	A30136

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
D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SC-5 S Wall
Project: 2C-55 #2
Collection Date: 11/9/2015 11:12:00 AM
Lab ID: 1511368-005 **Matrix:** SOIL **Received Date:** 11/10/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/10/2015 11:02:47 AM	22265
Surr: DNOP	89.5	70-130		%REC	1	11/10/2015 11:02:47 AM	22265
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	5.7	3.4		mg/Kg	1	11/10/2015 7:55:58 PM	R30136
Surr: BFB	113	75.4-113	S	%REC	1	11/10/2015 7:55:58 PM	R30136
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.034		mg/Kg	1	11/10/2015 7:55:58 PM	A30136
Toluene	ND	0.034		mg/Kg	1	11/10/2015 7:55:58 PM	A30136
Ethylbenzene	ND	0.034		mg/Kg	1	11/10/2015 7:55:58 PM	A30136
Xylenes, Total	ND	0.069		mg/Kg	1	11/10/2015 7:55:58 PM	A30136
Surr: 4-Bromofluorobenzene	115	80-120		%REC	1	11/10/2015 7:55:58 PM	A30136

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
D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SC-6 SW Wall
Project: 2C-55 #2
Collection Date: 11/9/2015 11:15:00 AM
Lab ID: 1511368-006 **Matrix:** SOIL **Received Date:** 11/10/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/10/2015 11:24:03 AM	22265
Surr: DNOP	91.3	70-130		%REC	1	11/10/2015 11:24:03 AM	22265
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	5.8	3.5		mg/Kg	1	11/10/2015 8:19:20 PM	R30136
Surr: BFB	112	75.4-113		%REC	1	11/10/2015 8:19:20 PM	R30136
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.035		mg/Kg	1	11/10/2015 8:19:20 PM	A30136
Toluene	ND	0.035		mg/Kg	1	11/10/2015 8:19:20 PM	A30136
Ethylbenzene	ND	0.035		mg/Kg	1	11/10/2015 8:19:20 PM	A30136
Xylenes, Total	ND	0.069		mg/Kg	1	11/10/2015 8:19:20 PM	A30136
Surr: 4-Bromofluorobenzene	114	80-120		%REC	1	11/10/2015 8:19:20 PM	A30136

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
D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SC-7 NW Base
Project: 2C-55 #2
Collection Date: 11/9/2015 11:18:00 AM
Lab ID: 1511368-007
Matrix: SOIL
Received Date: 11/10/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/10/2015 11:45:25 AM	22265
Surr: DNOP	91.6	70-130		%REC	1	11/10/2015 11:45:25 AM	22265
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	11/10/2015 12:09:21 PM	R30136
Surr: BFB	87.2	75.4-113		%REC	1	11/10/2015 12:09:21 PM	R30136
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.040		mg/Kg	1	11/10/2015 12:09:21 PM	A30136
Toluene	ND	0.040		mg/Kg	1	11/10/2015 12:09:21 PM	A30136
Ethylbenzene	ND	0.040		mg/Kg	1	11/10/2015 12:09:21 PM	A30136
Xylenes, Total	ND	0.079		mg/Kg	1	11/10/2015 12:09:21 PM	A30136
Surr: 4-Bromofluorobenzene	108	80-120		%REC	1	11/10/2015 12:09:21 PM	A30136

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
D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SC-8 NE Base
Project: 2C-55 #2
Collection Date: 11/9/2015 11:21:00 AM
Lab ID: 1511368-008 **Matrix:** SOIL **Received Date:** 11/10/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **KJH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/10/2015 12:06:38 PM	22265
Surr: DNOP	86.2	70-130		%REC	1	11/10/2015 12:06:38 PM	22265
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg	1	11/10/2015 12:32:33 PM	R30136
Surr: BFB	87.2	75.4-113		%REC	1	11/10/2015 12:32:33 PM	R30136
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.057		mg/Kg	1	11/10/2015 12:32:33 PM	A30136
Toluene	ND	0.057		mg/Kg	1	11/10/2015 12:32:33 PM	A30136
Ethylbenzene	ND	0.057		mg/Kg	1	11/10/2015 12:32:33 PM	A30136
Xylenes, Total	ND	0.11		mg/Kg	1	11/10/2015 12:32:33 PM	A30136
Surr: 4-Bromofluorobenzene	109	80-120		%REC	1	11/10/2015 12:32:33 PM	A30136

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
D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SC-9 SE Base
Project: 2C-55 #2
Collection Date: 11/9/2015 11:24:00 AM
Lab ID: 1511368-009
Matrix: SOIL
Received Date: 11/10/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/10/2015 12:28:04 PM	22265
Surr: DNOP	88.8	70-130		%REC	1	11/10/2015 12:28:04 PM	22265
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.2		mg/Kg	1	11/10/2015 12:55:48 PM	R30136
Surr: BFB	86.4	75.4-113		%REC	1	11/10/2015 12:55:48 PM	R30136
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.062		mg/Kg	1	11/10/2015 12:55:48 PM	A30136
Toluene	ND	0.062		mg/Kg	1	11/10/2015 12:55:48 PM	A30136
Ethylbenzene	ND	0.062		mg/Kg	1	11/10/2015 12:55:48 PM	A30136
Xylenes, Total	ND	0.12		mg/Kg	1	11/10/2015 12:55:48 PM	A30136
Surr: 4-Bromofluorobenzene	108	80-120		%REC	1	11/10/2015 12:55:48 PM	A30136

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
D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SC-10 SW Base
Project: 2C-55 #2
Collection Date: 11/9/2015 11:27:00 AM
Lab ID: 1511368-010
Matrix: SOIL
Received Date: 11/10/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/10/2015 12:49:26 PM	22265
Surr: DNOP	87.5	70-130		%REC	1	11/10/2015 12:49:26 PM	22265
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/10/2015 1:19:06 PM	R30136
Surr: BFB	86.3	75.4-113		%REC	1	11/10/2015 1:19:06 PM	R30136
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	11/10/2015 1:19:06 PM	A30136
Toluene	ND	0.049		mg/Kg	1	11/10/2015 1:19:06 PM	A30136
Ethylbenzene	ND	0.049		mg/Kg	1	11/10/2015 1:19:06 PM	A30136
Xylenes, Total	ND	0.098		mg/Kg	1	11/10/2015 1:19:06 PM	A30136
Surr: 4-Bromofluorobenzene	107	80-120		%REC	1	11/10/2015 1:19:06 PM	A30136

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
D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1511368**

11-Nov-15

Client: Souder, Miller and Associates
Project: 2C-55 #2

Sample ID **MB-22265**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **22265**	RunNo: **30123**
Prep Date: **11/10/2015**	Analysis Date: **11/10/2015**	SeqNo: **917659** 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	8.3		10.00		83.3	70	130			

Sample ID **LCS-22265**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **22265**	RunNo: **30123**
Prep Date: **11/10/2015**	Analysis Date: **11/10/2015**	SeqNo: **917660** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.1	57.4	139			
Surr: DNOP	3.9		5.000		78.7	70	130			

Sample ID **MB-22220**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **22220**	RunNo: **30124**
Prep Date: **11/6/2015**	Analysis Date: **11/10/2015**	SeqNo: **917919** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		117	70	130			

Sample ID **LCS-22220**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **22220**	RunNo: **30124**
Prep Date: **11/6/2015**	Analysis Date: **11/10/2015**	SeqNo: **917920** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.4		5.000		147	70	130			S

Sample ID **1511368-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SC-1 NW Wall**	Batch ID: **22265**	RunNo: **30123**
Prep Date: **11/10/2015**	Analysis Date: **11/10/2015**	SeqNo: **918730** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.7	48.26	0	88.8	31.2	162			
Surr: DNOP	2.5		4.826		52.1	70	130			S

Sample ID **1511368-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SC-1 NW Wall**	Batch ID: **22265**	RunNo: **30123**
Prep Date: **11/10/2015**	Analysis Date: **11/10/2015**	SeqNo: **918731** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	10	50.40	0	74.5	31.2	162	13.2	31.7	
Surr: DNOP	2.4		5.040		47.8	70	130	0	0	S

Qualifiers:

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- B Analyte detected in the associated Method Blank
- D Sample Diluted Due to Matrix
- 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
- P Sample pH Not In Range
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1511368**

11-Nov-15

Client: Souder, Miller and Associates
Project: 2C-55 #2

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **R30136**	RunNo: **30136**							
Prep Date:	Analysis Date: **11/10/2015**	SeqNo: **918410**	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	870		1000		87.3	75.4	113			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **R30136**	RunNo: **30136**							
Prep Date:	Analysis Date: **11/10/2015**	SeqNo: **918411**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.0	79.6	122			
Surr: BFB	930		1000		92.8	75.4	113			

Sample ID **1511368-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **SC-1 NW Wall**	Batch ID: **R30136**	RunNo: **30136**							
Prep Date:	Analysis Date: **11/10/2015**	SeqNo: **918412**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.7	18.38	2.419	72.3	62.5	151			
Surr: BFB	750		735.3		102	75.4	113			

Sample ID **1511368-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **SC-1 NW Wall**	Batch ID: **R30136**	RunNo: **30136**							
Prep Date:	Analysis Date: **11/10/2015**	SeqNo: **918413**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	3.7	18.38	2.419	100	62.5	151	28.0	22.1	R
Surr: BFB	760		735.3		103	75.4	113	0	0	

Sample ID **MB-22241**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **22241**	RunNo: **30136**							
Prep Date: **11/9/2015**	Analysis Date: **11/10/2015**	SeqNo: **918420**	Units: **%REC**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	860		1000		85.6	75.4	113			

Sample ID **LCS-22241**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **22241**	RunNo: **30136**							
Prep Date: **11/9/2015**	Analysis Date: **11/10/2015**	SeqNo: **918421**	Units: **%REC**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	930		1000		92.7	75.4	113			

Qualifiers:

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- 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
- P Sample pH Not In Range
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1511368**

11-Nov-15

Client: Souder, Miller and Associates
Project: 2C-55 #2

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **A30136**	RunNo: **30136**
Prep Date:	Analysis Date: **11/10/2015**	SeqNo: **918492** 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	1.1		1.000		108	80	120			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **A30136**	RunNo: **30136**
Prep Date:	Analysis Date: **11/10/2015**	SeqNo: **918493** 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	98.8	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		117	80	120			

Sample ID **1511368-002AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SC-2 N Wall**	Batch ID: **A30136**	RunNo: **30136**
Prep Date:	Analysis Date: **11/10/2015**	SeqNo: **918494** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.038	0.7530	0.008464	104	69.6	136			
Toluene	0.77	0.038	0.7530	0.01504	99.8	76.2	134			
Ethylbenzene	0.77	0.038	0.7530	0.01560	101	75.8	137			
Xylenes, Total	2.3	0.075	2.259	0.03238	100	78.9	133			
Surr: 4-Bromofluorobenzene	0.88		0.7530		117	80	120			

Sample ID **1511368-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SC-2 N Wall**	Batch ID: **A30136**	RunNo: **30136**
Prep Date:	Analysis Date: **11/10/2015**	SeqNo: **918495** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.77	0.038	0.7530	0.008464	101	69.6	136	2.84	20	
Toluene	0.76	0.038	0.7530	0.01504	98.5	76.2	134	1.32	20	
Ethylbenzene	0.77	0.038	0.7530	0.01560	101	75.8	137	0.272	20	
Xylenes, Total	2.3	0.075	2.259	0.03238	101	78.9	133	0.721	20	
Surr: 4-Bromofluorobenzene	0.88		0.7530		117	80	120	0	0	

Qualifiers:

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- D Sample Diluted Due to Matrix
- 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
- P Sample pH Not In Range
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1511368**

11-Nov-15

Client: Souder, Miller and Associates

Project: 2C-55 #2

Sample ID **MB-22241**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **22241**	RunNo: **30136**
Prep Date: **11/9/2015**	Analysis Date: **11/10/2015**	SeqNo: **918501** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Sample ID **LCS-22241**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **22241**	RunNo: **30136**
Prep Date: **11/9/2015**	Analysis Date: **11/10/2015**	SeqNo: **918502** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.2		1.000		115	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: SMA-FARM | Work Order Number: 1511368 | RcptNo: 1

Received by/date: AT 11/10/15

Logged By: Anne Thorne 11/10/2015 6:50:00 AM

Completed By: Anne Thorne 11/10/2015

Reviewed By: JB 11/10/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. 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)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ 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	1.3	Good	Yes			

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: SMA

Mailing Address: 401 Broadway Farmington, NM 87401

Phone #: 505 325 7535

email or Fax#: Jesse.Sprague@southernillc.com

QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ NELAP ☐ Other ____

☐ EDD (Type) ____

Turn-Around Time: ☐ Standard ☑ Rush Same day

Project Name: 2C-55 # 2

Project #:

Project Manager: Reid Allan

Sampler: J. Sprague

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.3

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1511368	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
11/9/15	1100	Soil	SC-1 NW wall	1 4oz MeOH Kit	MeOH	001	X		X									
	1103		SC-2 N Wall			002	X		X									
	1106		SC-3 NE Wall			003	X		X									
	1109		SC-4 SE Wall			004	X		X									
	1112		SC-5 S Wall			005	X		X									
	1115		SC-6 SW Wall			006	X		X									
	1118		SC-7 NW Base			007	X		X									
	1121		SC-8 NE Base			008	X		X									
	1124		SC-9 SE Base			009	X		X									
	1127		SC-10 SW Base			010	X		X									

Date	Time	Relinquished by	Received by	Date	Time
11/9/15	1725			11/9/15	1725
11/9/15	1812			11/10/15	0650

Remarks: Invoice Enterprise

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.

1	80578.4945	186287.281	0	PROP COR
2	80578.8828	186425.8505	0	PROP COR
3	80239.6599	186424.042	0	PROP COR
4	80240.1875	186310.6732	0	PROP COR
5	80365.1856	186311.3641	0	PROP COR
6	80473.6845	186287.279	0	PROP COR