



Highlander Environmental Corp.

Midland, Texas

March 10, 2005

Mr. Larry Johnson
Environmental Engineer Specialist
Oil Conservation Division- District I
1625 N. French Drive
P. O. Box 1980
Hobbs, New Mexico 88240

RE: Assessment and Closure Report for the Duke Energy Field Services, L.P., C-16 Pipeline Spill Located in the N/2, SW/4 of Section 29, Township 17 South, Range 33 East, Lea County, New Mexico

Dear Mr. Johnson:

Highlander Environmental Corp. (Highlander) was contacted by Duke Energy Field Services, L.P. (Duke) to assess a spill on the C-16 Pipeline located in the N/2, SW/4 of Section 29, Township 17 South, Range 33 East, Lea County, New Mexico (Site). The site coordinates are N 32° 48.188', W 103° 41.425'. The State of New Mexico C-141 (Initial) is shown in Appendix A. The Site is shown in Figure 1.

Background

According to the State of New Mexico C-141 report, the spill occurred on January 11, 2005 from a rupture of a 4" low pressure pipeline. Duke was notified of the spill by an employee of Ron's Welding, Inc (Ron's). Ron's was working on a release at the adjacent XTO Energy, SE Maljamar Grayburg San Andres Unit Tank Battery at the time. Ron's had excavated a small area to contain the released fluid at the point of release. The spill released 9 barrels of condensate and 9 barrels of fluid were recovered by a vacuum truck. The impacted area measured 20' x 20' with an additional area of light overspray to the north/northeast. Duke supervised the excavation of a 20' x 25' x 5' area at the point of release. A total of 128 yds³ of excavated soil was taken to Artesia Aeration, LLC of Hobbs, New Mexico for disposal. The spill areas are shown on Figure 2.

Groundwater and Regulatory

The New Mexico State Engineer Office database shows a well in Section 20, Township 17 South, Range 33 East, with a depth to water of 190'. The New Mexico State Engineer well reports are shown in Appendix B. A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a

Duke - 229153
Facility - PPAC0603728644
1910 N. Big Spring • Midland, Texas 79705
Inspect - ePAC0603728815

Incident - nPAC 0603728852
application - PPAC0603729329
(432) 682-4559 • Fax (432) 682-3946

risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Sampling and Results

On January 28, 2005, Highlander personnel inspected the site and took confirmation samples from the excavation. Composite soil samples were taken from all four side walls and the bottom hole. The samples were analyzed for TPH by method TX 1005 and chloride by method SW 846 9253. Additionally, the bottom hole sample was analyzed for BTEX by method EPA 8021B. The results are summarized in Table 1. The laboratory reports and chain of custody are shown in Appendix C.

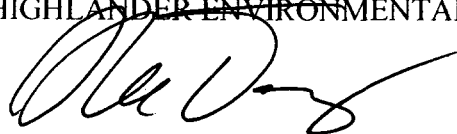
Referring to Table 1, none of the five TPH samples exceeded the method detection limits. The BTEX sample from the bottom hole exhibited xylene only at levels well below the RRAL. Chloride levels ranged from below detection limits to 596 mg/kg and would not be considered an environmental concern.

Conclusions

The TPH and BTEX sampling of the excavation did not show any significant residual hydrocarbon impact. The chloride concentrations do not appear to be an environmental concern. Based upon the results of sampling and work performed on this Site, Duke requests closure of this spill issue. The State of New Mexico C-141 (Final) is shown in Appendix A.

If you require any additional information or have any questions or comments, please call.

HIGHLANDER ENVIRONMENTAL CORP.



Ike Tavarez, P.G.
Project Manager/Senior Geologist

cc: Lynn Ward – Duke





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

April 7, 2005

Lynn Ward
Duke Energy Field Services
3300 North A St. Bldg. 7
Midland, TX 79705
lcward@duke-energy.com

Re: Remediation Closure: LP C-16 Site
Site Reference: UL- L, Sec. 29 T-17S R-33E
Initial C-141 Spill Date: 1-15-05
Closure Report Date: 3-10-05

Dear Mrs. Ward,

The referenced **closure report** submitted to the New Mexico Oil Conservation Division (NMOCD) by Highlander Environmental Services as agent for Duke Energy Field Services, is **hereby approved**. Based on the information provided no further action is required at this time.

Please be advised that NMOCD approval of this plan does not relieve Duke Energy Field Services of responsibility should remaining contaminants pose a future threat to ground water, surface water, human health or the environment. Additionally, NMOCD approval does not relieve Duke Energy Field Services of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance, please call me at (505) 393-6161, x111 or email lwjohnson@state.nm.us

Sincerely,

A handwritten signature in cursive script, appearing to read "L. Johnson".

Larry Johnson - Environmental Engineer

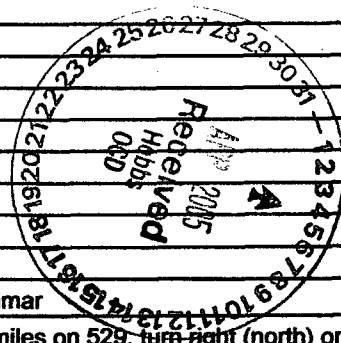
Cc:

Chris Williams - District I Supervisor
Ed Martin - Environmental Bureau
Paul Shreeley-Environmental Engineer
Lynn Ward - Duke Energy Field Services
Ike Tavaréz - Highlander Environmental itavarez@hec-enviro.com

SITE INFORMATION

General Site Information:

Site:	C-16 Pipeline
Company:	Duke Energy Field Services, LP
Section, Township and Range	Section 29, T17S, R33 E
Unit Letter:	L
Lease Number:	
County:	Lea
GPS:	32° 48' 11.4", 103° 41' 25.3"
Surface Owner:	State of New Mexico
Mineral Owner:	State of New Mexico
Directions:	Site located approx. 5.0 miles southwest of Maljamar
	From intersection of 238 and 529, go west 17.4 miles on 529, turn right (north) on
	Doglake road (paved road), go 0.7 miles to CR125, turn left go 0.4 miles, XTO Energy TB
	located on left side of road. Spill area is located south of the TB fenceline (behind the TB).



Release Data:

Date Released:	1/11/2005
Type Release:	condensate
Source of Contamination:	Pipeline failure
Fluid Released:	Estimated 9 barrels
Fluids Recovered:	Estimated 9 barrels

Official Communication:

Name:	Lynn Ward	Ike Tavarez
Company:	Duke Energy Field Services, LP	Highlander Environmental Corp.
Address:	10 Desta Dr. Suite 400-W	1910 N. Big Spring
P.O. Box		
City:	Midland Texas, 79705	Midland, Texas
Phone number:	(432) 620-4207	(432) 682- 4559
Fax:	(432) 620-4162	682
Email:	lcward@duke-energy.com	itavarez@hec-enviro.com

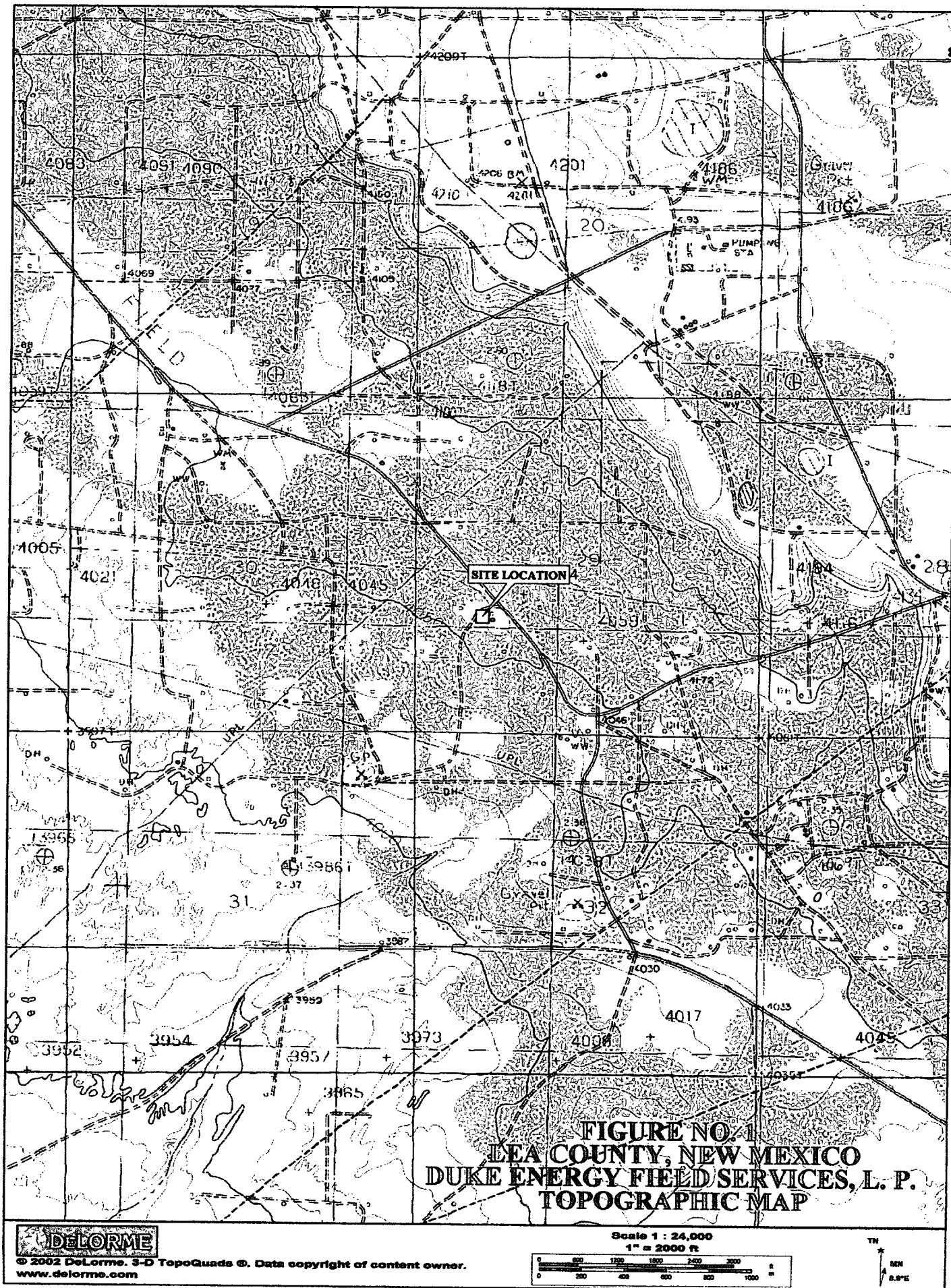
Ranking Criteria

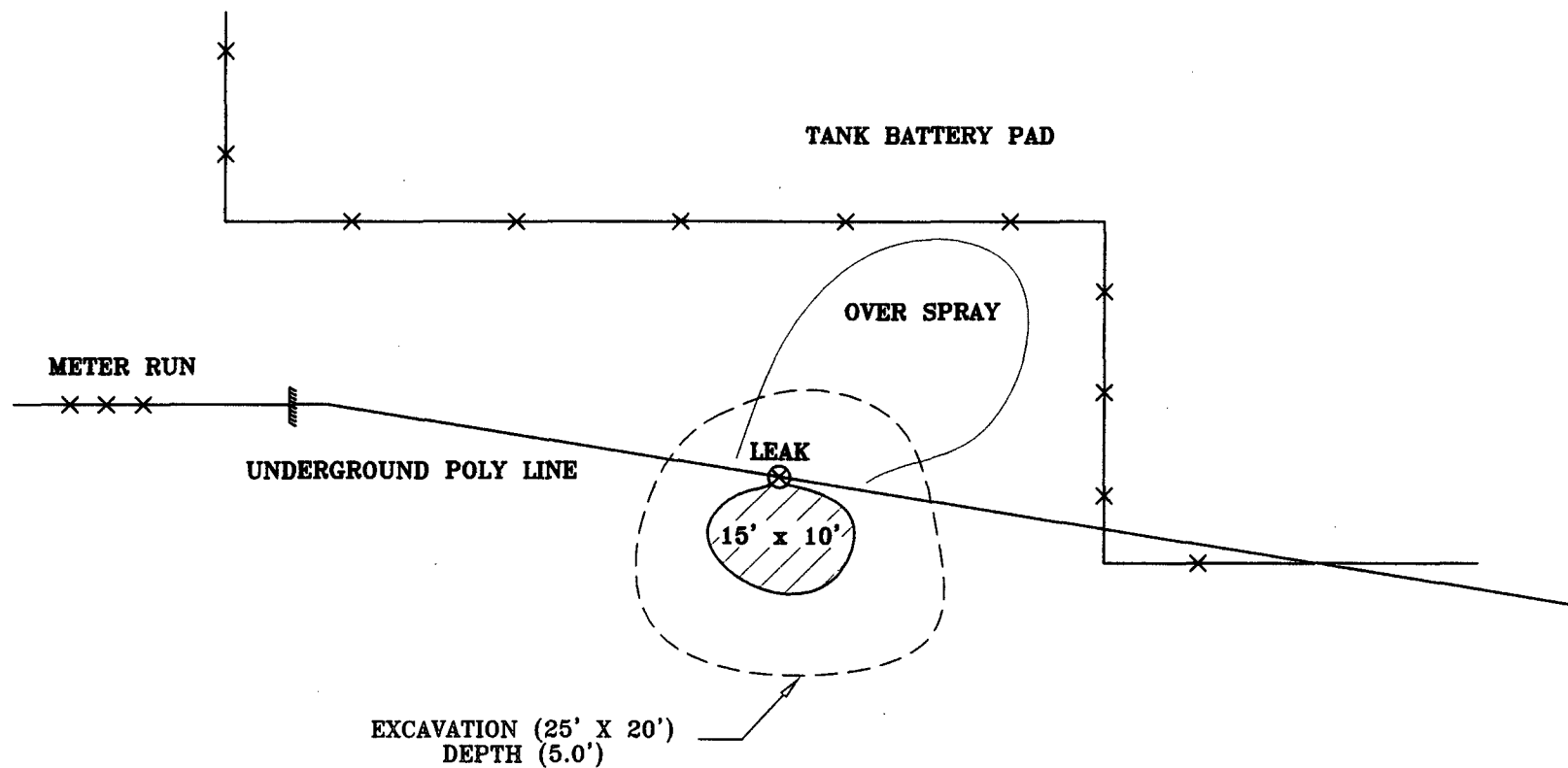
Depth to Groundwater:	Ranking Score	Site Data
<50 ft	20	
50-99 ft	10	
>100 ft.	0	Average Depth >100 BS
Wellhead Protection:	Ranking Score	Site Data
Water Source <1,000 ft., Private <200 ft.	20	None
Water Source >1,000 ft., Private >200 ft.	0	
Surface Body of Water:	Ranking Score	Site Data
<200 ft.	20	None
200 ft - 1,000 ft.	10	None
>1,000 ft.	0	
Total Ranking Score:	0	

Acceptable Soil RRAL (mg/kg)

Benzene	Total BTEX	TPH
10	50	5,000

FIGURES





 SPILL AREA

NOT TO SCALE

FIGURE NO. 2

LEA COUNTY, NEW MEXICO

DUKE ENERGY FIELD SERVICES, L.P.
C-16

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

DATE:
2/3/05
DRAWN BY:
JJ
FILE:
C:\JUNE\2013
C-16E

TABLE

Table 1
Duke Energy Field Service, L.P
C-16 Line Leak
Lea County, New Mexico

Sample ID	Date Sampled	Sample Depth (ft)	TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
			C6-C12	C12-C35	Total					
Bottom	1/21/2005	5.0'	<25.0	<25.0	<25.0	<0.025	<0.025	<0.025	0.1779	596
Northwall	1/21/2005	-	<25.0	<25.0	<25.0	-	-	-	-	255
Southwall	1/21/2005	-	<25.0	<25.0	<25.0	-	-	-	-	<20.0
East Wall	1/21/2005	-	<25.0	<25.0	<25.0	-	-	-	-	<20.0
West Wall	1/21/2005	-	<25.0	<25.0	<25.0	-	-	-	-	510

(-) Not Analyzed

APPENDIX A

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

Form C-141
Revised June 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Duke Energy Field Services, LP	Contact	Lynn Ward
Address	10 Desta Dr., Suite 400-W, Midland, TX. 79705	Telephone No.	(432) 620-4207
Facility Name	C-16 Pipeline	Facility Type	Pipeline

Surface Owner	State of New Mexico	Mineral Owner	State of New Mexico	Lease No.
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LOCATION OF RELEASE

Unit Letter	Section N/2, SW/4 of 29	Township 17S	Range 33E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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NATURE OF RELEASE

Type of Release	Condensate	Volume of Release 9bbls	Volume Recovered 9 bbls
Source of Release	Rupture of a 4" low pressure pipeline	Date and Hour of Occurrence 1/11/05, 11:00 AM MST	Date and Hour of Discovery 1/11/05 11:00 AM MST
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Snot Required, <25 BBLs. Called Larry Johnson on 1/11/05 @1:00 PM MST	
By Whom?	Lynn Ward	Date and Hour 1/11/05 1:00 PM MST	
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

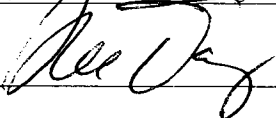
If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*

Field Operations was notified by Ron's Welding, Inc. that there was a leak in the SW/4, Section 29, T17S, R33E, adjacent to the XTO Energy operated SE Maljamar Grayburg San Andres Unit Tank Battery. Ron's Welding had been working on a release at the battery. DEFS field personnel investigated and found that Ron's had also excavated a small area to contain the released liquids at the point of the release from the DEFS line, C-16. Evidence onsite suggested a possible line strike as the cause of the release. A vacuum truck was called to pick up liquids. The line was shut-in and clamped to stop the release. The affected line is a 4" low pressure poly line. No fire, no evacuations, no injuries.

Describe Area Affected and Cleanup Action Taken.*
The impacted area measured 20' x 20' with an additional area of light overspray to the north/northeast. Duke supervised the excavation of a 20' x 25' x 5' area at the point of release. A total of 128 yds³ of excavated soil was taken to Artesia Aeration, LLC of Hobbs, New Mexico for disposal. TPH and BTEX sampling of the excavation did not show any significant residual hydrocarbon impact. The chloride concentrations do not appear to be an environmental concern.

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: Ike Tavarez (Agent for Duke Energy Field Services, LP)		Approved by District Supervisor:	
Title: Senior Geologist	Approval Date:	Expiration Date:	
E-mail Address: itavarez@hec-enviro.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date:	Phone: (432) 682-4559		

* Attach Additional Sheets If Necessary

1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-141
Revised March 17, 1999

FAXED
1/14/05

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report

☐ Final Report

Name of Company DUKE ENERGY FIELD SERVICES, LP	Contact LYNN WARD/RONNIE GILCHREST
Address 10 DESTA DRIVE, SUITE 400-W, MIDLAND, TX 79705	Telephone No. 432/620-4207
Facility Name C-16 PIPELINE	Facility Type PIPELINE

Surface Owner STATE OF NEW MEXICO	Mineral Owner STATE OF NEW MEXICO	Lease No. <input type="checkbox"/>
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LOCATION OF RELEASE

Unit Letter	Section N2, SW4 of 29	Township 17S	Range 33E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea County
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Latitude: **32° 48.188'** Longitude: **103° 41.425'**

NATURE OF RELEASE

Type of Release CONDENSATE	Volume of Release 9 bbls	Volume Recovered 9 bbls
Source of Release RUPTURE OF 4" LOW PRESSURE PIPELINE	Date and Hour of Occurrence 1/11/05 @ 11:00 AM MST	Date and Hour of Discovery 1/11/05 @ 11:00 AM MST
Was Immediate Notice Given? Yes No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? NOT REQUIRED, <25 BBLS. Called Larry Johnson on 1/11/05 @ 1:00 pm MST.	
By Whom? LYNN WARD	Date and Hour 1/11/05 @ 1:00 pm MST.	
Was a Watercourse Reached? Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
Field Operations was notified by Ron's Welding Inc. that there was a leak in the SW4, Section 29, T17S, R33E, adjacent to XTO Energy operated SE Maljamar Grayburg San Andres Unit Tank Battery. Ron's Welding had been working on a release at the battery. DEFS field personnel investigated and found that Ron's had also excavated a small area to contain the released liquids at the point of the release from the DEFS line, C-16. Evidence onsite suggested a possible line strike as the cause of the release. A vacuum truck was called to pick up liquids. The line was shut in and clamped to stop the release. The affected line is a 4" low pressure poly line. No fire, no evacuations, no injuries.

Describe Area Affected and Cleanup Action Taken.*
The impacted soils are a 20' x 20' area near the point of release. DEFS will remove impacted soils and collect samples to be analyzed for TPH, BTEX. The RRALs according to OCD guidance document are TPH < 5,000 mg/kg, Benzene < 10 mg/kg, and BTEX < 50 mg/kg. Depth to groundwater according to the New Mexico Office of the State Engineer web database is greater than 100 feet below ground surface based on well data for Section 20, T17S, R33E (Well No. L02875).

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: <i>Lynn Ward</i>	OIL CONSERVATION DIVISION		
Printed Name: Lynn Ward	Approved by <input type="checkbox"/> District Supervisor:		
Title: Environmental Specialist	Approval Date:	Expiration Date:	
Date: 1/12/05 Phone: 432/620-4207	Conditions of Approval:	Attached	

* Attach Additional Sheets If Necessary

cc: R. Gilchrest

Env. File: Gathering Plan 2.1.1.2 Cert. original.

APPENDIX B

**New Mexico Office of the State Engineer
Well Reports and Downloads**

Township: 17S Range: 33E Sections:

NAD27 X: Y: Zone: ☐ Search Radius:

County: ☐ Basin: ☐ Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic
All

Well / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

WATERS Menu

Help

AVERAGE DEPTH OF WATER REPORT 03/14/2005

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
L	17S	33E	01				2	150	150	150
L	17S	33E	02				4	151	168	158
L	17S	33E	03				2	155	155	155
L	17S	33E	06				2	90	90	90
L	17S	33E	07				2	114	214	164
L	17S	33E	08				2	173	173	173
L	17S	33E	09				2	160	161	161
L	17S	33E	13				2	165	165	165
L	17S	33E	17				2	180	180	180
L	17S	33E	18				2	188	188	188
L	17S	33E	20				3	190	190	190
L	17S	33E	23				2	70	160	115
L	17S	33E	35				4	150	160	155

Record Count: 31

Water Well - Average Depth to Groundwater

South			East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South			East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South			East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South			East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

17 South			33 East		
6	5	4	3	2	1
90			155	158	150
7	8	9	10	11	12
167	173	161			
18	17	16	15	14	13
188	180				165
19	20	21	22	23	24
	190			115	
30	29	28	27	26	25
	site				
31	32	33	34	35	36
				155	

South			East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South			East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

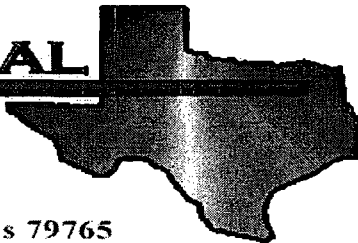
South			East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South			East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

150 Average depth to groundwater (ft)

APPENDIX C

ENVIRONMENTAL LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ike Tavaréz

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Duke/ C-116 Line

Project Number: 2313

Location: Lea Co., NM

Lab Order Number: 5A25017

Report Date: 01/31/05

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Duke/ C-116 Line
Project Number: 2313
Project Manager: Ike Tavarez

Fax: (432) 682-3946

Reported:
01/31/05 10:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Excavation (5.0')	5A25017-01	Soil	01/21/05 00:00	01/24/05 17:20
North Wall	5A25017-02	Soil	01/21/05 00:00	01/24/05 17:20
South Wall	5A25017-03	Soil	01/21/05 00:00	01/24/05 17:20
East Wall	5A25017-04	Soil	01/21/05 00:00	01/24/05 17:20
West Wall	5A25017-05	Soil	01/21/05 00:00	01/24/05 17:20

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Duke/ C-116 Line
Project Number: 2313
Project Manager: Ike Tavarez

Fax: (432) 682-3946

Reported:
01/31/05 10:07

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Excavation (5.0') (5A25017-01) Soil									
Gasoline Range Organics C6-C12	ND	25.0	mg/kg dry	1	EA52503	01/25/05	01/28/05	TX 1005	
Diesel Range Organics >C12-C35	ND	25.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	25.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		98.8 %	70-130		"	"	"	"	
North Wall (5A25017-02) Soil									
Gasoline Range Organics C6-C12	ND	25.0	mg/kg dry	1	EA52503	01/25/05	01/28/05	TX 1005	
Diesel Range Organics >C12-C35	ND	25.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	25.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		94.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		95.2 %	70-130		"	"	"	"	
South Wall (5A25017-03) Soil									
Gasoline Range Organics C6-C12	ND	25.0	mg/kg dry	1	EA52504	01/25/05	01/28/05	TX 1005	
Diesel Range Organics >C12-C35	ND	25.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	25.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		89.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		86.4 %	70-130		"	"	"	"	
East Wall (5A25017-04) Soil									
Gasoline Range Organics C6-C12	ND	25.0	mg/kg dry	1	EA52504	01/25/05	01/28/05	TX 1005	
Diesel Range Organics >C12-C35	ND	25.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	25.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		90.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		95.0 %	70-130		"	"	"	"	
West Wall (5A25017-05) Soil									
Gasoline Range Organics C6-C12	ND	25.0	mg/kg dry	1	EA52504	01/25/05	01/28/05	TX 1005	
Diesel Range Organics >C12-C35	ND	25.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	25.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		86.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		92.4 %	70-130		"	"	"	"	

Environmental Lab of Texas

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Page 2 of 8

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Duke/ C-116 Line
Project Number: 2313
Project Manager: Ike Tavarez

Fax: (432) 682-3946

Reported:
01/31/05 10:07

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Excavation (5.0') (5A25017-01) Soil									
Chloride	596	20.0	mg/kg Wet	2	EA52704	01/25/05	01/26/05	SW 846 9253	
% Moisture	8.6		%	1	EA52506	01/25/05	01/26/05	% calculation	
North Wall (5A25017-02) Soil									
Chloride	255	20.0	mg/kg Wet	2	EA52704	01/25/05	01/26/05	SW 846 9253	
% Moisture	9.3		%	1	EA52506	01/25/05	01/26/05	% calculation	
South Wall (5A25017-03) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52704	01/25/05	01/26/05	SW 846 9253	
% Moisture	8.2		%	1	EA52506	01/25/05	01/26/05	% calculation	
East Wall (5A25017-04) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52704	01/25/05	01/26/05	SW 846 9253	
% Moisture	8.2		%	1	EA52506	01/25/05	01/26/05	% calculation	
West Wall (5A25017-05) Soil									
Chloride	510	20.0	mg/kg Wet	2	EA52704	01/25/05	01/26/05	SW 846 9253	
% Moisture	7.0		%	1	EA52506	01/25/05	01/26/05	% calculation	

Highlander Environmental Corp. 1910 N. Big Spring St. Midland TX, 79705	Project: Duke/ C-116 Line Project Number: 2313 Project Manager: Ike Tavarez	Fax: (432) 682-3946 Reported: 01/31/05 10:07
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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EA52503 - Solvent Extraction (GC)

Blank (EA52503-BLK1) Prepared: 01/25/05 Analyzed: 01/27/05

Gasoline Range Organics C6-C12	ND	25.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	25.0	"							
Total Hydrocarbon C6-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	35.4		mg/kg	50.0		70.8	70-130			
Surrogate: 1-Chlorooctadecane	35.1		"	50.0		70.2	70-130			

Blank (EA52503-BLK2) Prepared: 01/25/05 Analyzed: 01/27/05

Gasoline Range Organics C6-C12	ND	25.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	25.0	"							
Total Hydrocarbon C6-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	37.7		mg/kg	50.0		75.4	70-130			
Surrogate: 1-Chlorooctadecane	42.1		"	50.0		84.2	70-130			

LCS (EA52503-BS1) Prepared: 01/25/05 Analyzed: 01/27/05

Gasoline Range Organics C6-C12	447	25.0	mg/kg wet	500		89.4	75-125			
Diesel Range Organics >C12-C35	508	25.0	"	500		102	75-125			
Total Hydrocarbon C6-C35	955	25.0	"	1000		95.5	75-125			
Surrogate: 1-Chlorooctane	42.5		mg/kg	50.0		85.0	70-130			
Surrogate: 1-Chlorooctadecane	39.4		"	50.0		78.8	70-130			

LCS (EA52503-BS2) Prepared: 01/25/05 Analyzed: 01/27/05

Gasoline Range Organics C6-C12	483	25.0	mg/kg wet	500		96.6	75-125			
Diesel Range Organics >C12-C35	493	25.0	"	500		98.6	75-125			
Total Hydrocarbon C6-C35	976	25.0	"	1000		97.6	75-125			
Surrogate: 1-Chlorooctane	44.5		mg/kg	50.0		89.0	70-130			
Surrogate: 1-Chlorooctadecane	40.9		"	50.0		81.8	70-130			

Calibration Check (EA52503-CCV1) Prepared: 01/25/05 Analyzed: 01/27/05

Gasoline Range Organics C6-C12	447		mg/kg	500		89.4	80-120			
Diesel Range Organics >C12-C35	564		"	500		113	80-120			
Total Hydrocarbon C6-C35	1010		"	1000		101	80-120			
Surrogate: 1-Chlorooctane	50.3		"	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	46.2		"	50.0		92.4	70-130			

Environmental Lab of Texas

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Page 4 of 8

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Duke/ C-116 Line
Project Number: 2313
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
01/31/05 10:07

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA52503 - Solvent Extraction (GC)										
Calibration Check (EA52503-CCV2)										
				Prepared: 01/25/05 Analyzed: 01/27/05						
Gasoline Range Organics C6-C12	429		mg/kg	500		85.8	80-120			
Diesel Range Organics >C12-C35	532		"	500		106	80-120			
Total Hydrocarbon C6-C35	961		"	1000		96.1	80-120			
Surrogate: 1-Chlorooctane	46.7		"	50.0		93.4	70-130			
Surrogate: 1-Chlorooctadecane	43.3		"	50.0		86.6	70-130			
Matrix Spike (EA52503-MS1)										
				Source: 5A25007-01 Prepared: 01/25/05 Analyzed: 01/27/05						
Gasoline Range Organics C6-C12	662	25.0	mg/kg dry	762	ND	86.9	75-125			
Diesel Range Organics >C12-C35	897	25.0	"	762	52.2	111	75-125			
Total Hydrocarbon C6-C35	1560	25.0	"	1520	52.2	99.2	75-125			
Surrogate: 1-Chlorooctane	47.9		mg/kg	50.0		95.8	70-130			
Surrogate: 1-Chlorooctadecane	44.5		"	50.0		89.0	70-130			
Matrix Spike (EA52503-MS2)										
				Source: 5A25015-01 Prepared: 01/25/05 Analyzed: 01/28/05						
Gasoline Range Organics C6-C12	544	25.0	mg/kg dry	546	ND	99.6	75-125			
Diesel Range Organics >C12-C35	599	25.0	"	546	20.6	106	75-125			
Total Hydrocarbon C6-C35	1140	25.0	"	1090	ND	105	75-125			
Surrogate: 1-Chlorooctane	51.1		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	50.2		"	50.0		100	70-130			
Matrix Spike Dup (EA52503-MSD1)										
				Source: 5A25007-01 Prepared: 01/25/05 Analyzed: 01/27/05						
Gasoline Range Organics C6-C12	685	25.0	mg/kg dry	762	ND	89.9	75-125	3.41	20	
Diesel Range Organics >C12-C35	911	25.0	"	762	52.2	113	75-125	1.55	20	
Total Hydrocarbon C6-C35	1600	25.0	"	1520	52.2	102	75-125	2.53	20	
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0		96.2	70-130			
Surrogate: 1-Chlorooctadecane	45.7		"	50.0		91.4	70-130			
Matrix Spike Dup (EA52503-MSD2)										
				Source: 5A25015-01 Prepared: 01/25/05 Analyzed: 01/28/05						
Gasoline Range Organics C6-C12	524	25.0	mg/kg dry	546	ND	96.0	75-125	3.75	20	
Diesel Range Organics >C12-C35	600	25.0	"	546	20.6	106	75-125	0.167	20	
Total Hydrocarbon C6-C35	1120	25.0	"	1090	ND	103	75-125	1.77	20	
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	49.1		"	50.0		98.2	70-130			

Environmental Lab of Texas

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Page 5 of 8

Highlander Environmental Corp. 1910 N. Big Spring St. Midland TX, 79705	Project: Duke/ C-116 Line Project Number: 2313 Project Manager: Ike Tavarez	Fax: (432) 682-3946 Reported: 01/31/05 10:07
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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EA52504 - Solvent Extraction (GC)

Blank (EA52504-BLK1)

Prepared: 01/25/05 Analyzed: 01/28/05

Gasoline Range Organics C6-C12	ND	25.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	25.0	"							
Total Hydrocarbon C6-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	36.6		mg/kg	50.0		73.2	70-130			
Surrogate: 1-Chlorooctadecane	36.0		"	50.0		72.0	70-130			

LCS (EA52504-BS1)

Prepared: 01/25/05 Analyzed: 01/28/05

Gasoline Range Organics C6-C12	464	25.0	mg/kg wet	500		92.8	75-125			
Diesel Range Organics >C12-C35	515	25.0	"	500		103	75-125			
Total Hydrocarbon C6-C35	979	25.0	"	1000		97.9	75-125			
Surrogate: 1-Chlorooctane	36.6		mg/kg	50.0		73.2	70-130			
Surrogate: 1-Chlorooctadecane	37.9		"	50.0		75.8	70-130			

Calibration Check (EA52504-CCV1)

Prepared: 01/25/05 Analyzed: 01/28/05

Gasoline Range Organics C6-C12	483		mg/kg	500		96.6	80-120			
Diesel Range Organics >C12-C35	491		"	500		98.2	80-120			
Total Hydrocarbon C6-C35	974		"	1000		97.4	80-120			
Surrogate: 1-Chlorooctane	50.7		"	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	50.8		"	50.0		102	70-130			

Matrix Spike (EA52504-MS1)

Source: 5A25017-03

Prepared: 01/25/05 Analyzed: 01/28/05

Gasoline Range Organics C6-C12	501	25.0	mg/kg dry	545	ND	91.9	75-125			
Diesel Range Organics >C12-C35	537	25.0	"	545	ND	98.5	75-125			
Total Hydrocarbon C6-C35	1040	25.0	"	1090	ND	95.4	75-125			
Surrogate: 1-Chlorooctane	47.3		mg/kg	50.0		94.6	70-130			
Surrogate: 1-Chlorooctadecane	47.8		"	50.0		95.6	70-130			

Matrix Spike Dup (EA52504-MSD1)

Source: 5A25017-03

Prepared: 01/25/05 Analyzed: 01/28/05

Gasoline Range Organics C6-C12	514	25.0	mg/kg dry	545	ND	94.3	75-125	2.56	20	
Diesel Range Organics >C12-C35	585	25.0	"	545	ND	107	75-125	8.56	20	
Total Hydrocarbon C6-C35	1100	25.0	"	1090	ND	101	75-125	5.61	20	
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.2	70-130			
Surrogate: 1-Chlorooctadecane	47.8		"	50.0		95.6	70-130			

Environmental Lab of Texas

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Page 6 of 8

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Duke/ C-116 Line
Project Number: 2313
Project Manager: Ike Tavarez

Fax: (432) 682-3946

Reported:
01/31/05 10:07

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EA52506 - General Preparation (Prep)

Blank (EA52506-BLK1) Prepared: 01/25/05 Analyzed: 01/26/05

% Moisture 0.003 %

Duplicate (EA52506-DUP1) Source: 5A24010-01 Prepared: 01/25/05 Analyzed: 01/26/05

% Moisture 17.0 % 16.7 1.78 20

Batch EA52704 - Water Extraction

Blank (EA52704-BLK1) Prepared: 01/25/05 Analyzed: 01/26/05

Chloride ND 20.0 mg/kg Wet

Matrix Spike (EA52704-MS1) Source: 5A25008-01 Prepared: 01/25/05 Analyzed: 01/26/05

Chloride 489 20.0 mg/kg Wet 500 0.00 97.8 80-120

Matrix Spike Dup (EA52704-MSD1) Source: 5A25008-01 Prepared: 01/25/05 Analyzed: 01/26/05

Chloride 500 20.0 mg/kg Wet 500 0.00 100 80-120 2.22 20

Reference (EA52704-SRM1) Prepared & Analyzed: 01/26/05

Chloride 5000 mg/kg 5000 100 80-120

Environmental Lab of Texas

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Page 7 of 8

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Duke/ C-116 Line
Project Number: 2313
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
01/31/05 10:07

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K Tuttle

Date:

1-31-05

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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Page 8 of 8

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Highlander Env.

Date/Time: 01-24-05 @ 1720

Order #: 5A 25017

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	4.0	C
Shipping container/cooler in good condition?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Custody Seals intact on shipping container/cooler?	<input type="radio"/> Yes	<input type="radio"/> No	<u>Not present</u>	
Custody Seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<u>Not present</u>	
Chain of custody present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Chain of Custody signed when relinquished and received?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Chain of custody agrees with sample label(s)	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Container labels legible and intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Samples in proper container/bottle?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Samples properly preserved?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample bottles intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sufficient sample amount for indicated test?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Applicable	

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
Regarding: _____

Corrective Action Taken:

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559

Fax (432) 682-3946

PAGE: 1 OF: 1

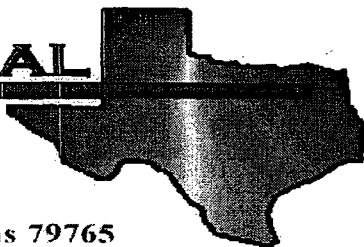
ANALYSIS REQUEST

(Circle or Specify Method No.)

CLIENT NAME: <u>Duke</u>			SITE MANAGER: <u>1/KE Tanager</u>			NUMBER OF CONTAINERS		PRESERVATIVE METHOD		ANALYSIS REQUEST (Circle or Specify Method No.)																																											
PROJECT NO.: <u>2313</u>			PROJECT NAME: <u>Duke/C-116 LINE, Leacu. NM.</u>			NUMBER OF CONTAINERS		PRESERVATIVE METHOD		ANALYSIS REQUEST (Circle or Specify Method No.)																																											
LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS	FILTERED (Y/N)	HCL	HNO3	ICE	NONE	ANALYSIS REQUEST (Circle or Specify Method No.)																																						
5A25017															ANALYSIS REQUEST (Circle or Specify Method No.)																																						
-01	1/21/05		S	T		bottom excavation (5.0')			1						ANALYSIS REQUEST (Circle or Specify Method No.)																																						
-02	1/21/05		S	T		north wall.			1						ANALYSIS REQUEST (Circle or Specify Method No.)																																						
-03	1/21/05		S	T		south wall.			1						ANALYSIS REQUEST (Circle or Specify Method No.)																																						
-04	1/21/05		S	T		east wall.			1						ANALYSIS REQUEST (Circle or Specify Method No.)																																						
-05	1/21/05		S	T		west wall.			1						ANALYSIS REQUEST (Circle or Specify Method No.)																																						
RELINQUISHED BY: (Signature) <u>[Signature]</u> Date: <u>1/24/05</u> Time: <u>5:20</u>																		RECEIVED BY: (Signature) _____ Date: _____ Time: _____																		SAMPLED BY: (Print & Sign) <u>1/KE Tanager</u> Date: _____ Time: _____																	
RELINQUISHED BY: (Signature) _____ Date: _____ Time: _____																		RECEIVED BY: (Signature) _____ Date: _____ Time: _____																		SAMPLE SHIPPED BY: (Circle) _____ Date: _____ Time: _____																	
RELINQUISHED BY: (Signature) _____ Date: _____ Time: _____																		RECEIVED BY: (Signature) _____ Date: _____ Time: _____																		FEDEX _____ BUS _____ AIRBILL # _____																	
RECEIVING LABORATORY: <u>ECT</u>																		RECEIVED BY: (Signature) <u>[Signature]</u> Date: <u>1-24-05</u> Time: <u>1720</u>																		HIGHLANDER CONTACT PERSON: <u>1/KE Tanager</u> Results by: _____																	
ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ CONTACT: _____ PHONE: _____																		REMARKS: <u>Run (2) BTEX w/ light Tptt. *Run BTEX per IRE 1-31-05</u>																		RUSH Charges Authorized: Yes No																	
SAMPLE CONDITION WHEN RECEIVED: <u>new 4°C</u>																		MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other																																			

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

ENVIRONMENTAL LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ike Tavaréz

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Duke/ C-116 Line

Project Number: 2313

Location: Lea Co., NM

Lab Order Number: 5A25017

Report Date: 02/01/05

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Duke/ C-116 Line
Project Number: 2313
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
02/01/05 10:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Excavation (5.0')	5A25017-01	Soil	01/21/05 00:00	01/24/05 17:20

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Duke/ C-116 Line
Project Number: 2313
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
02/01/05 10:42

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Excavation (5.0') (5A25017-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EB50104	01/28/05	01/31/05	EPA 8021B	
Toluene	J [0.0220]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	J [0.0209]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	0.109	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0689	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		129 %	80-120	"	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		83.1 %	80-120	"	"	"	"	"	

Environmental Lab of Texas

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Page 2 of 5

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Duke/ C-116 Line
Project Number: 2313
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
02/01/05 10:42

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EB50104 - EPA 5030C (GC)

Blank (EB50104-BLK1)

Prepared & Analyzed: 01/28/05

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	99.9		ug/kg	100		99.9	80-120			
Surrogate: 4-Bromofluorobenzene	85.9		"	100		85.9	80-120			

LCS (EB50104-BS1)

Prepared & Analyzed: 01/28/05

Benzene	93.7		ug/kg	100		93.7	80-120			
Toluene	93.1		"	100		93.1	80-120			
Ethylbenzene	109		"	100		109	80-120			
Xylene (p/m)	240		"	200		120	80-120			
Xylene (o)	118		"	100		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	114		"	100		114	80-120			
Surrogate: 4-Bromofluorobenzene	107		"	100		107	80-120			

Calibration Check (EB50104-CCV1)

Prepared: 01/28/05 Analyzed: 01/31/05

Benzene	96.8		ug/kg	100		96.8	80-120			
Toluene	93.3		"	100		93.3	80-120			
Ethylbenzene	96.0		"	100		96.0	80-120			
Xylene (p/m)	212		"	200		106	80-120			
Xylene (o)	105		"	100		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	114		"	100		114	80-120			
Surrogate: 4-Bromofluorobenzene	102		"	100		102	80-120			

Matrix Spike (EB50104-MS1)

Source: 5A27007-10

Prepared & Analyzed: 01/28/05

Benzene	2300		ug/kg	2500	ND	92.0	80-120			
Toluene	2290		"	2500	ND	91.6	80-120			
Ethylbenzene	2690		"	2500	ND	108	80-120			
Xylene (p/m)	5420		"	5000	27.5	108	80-120			
Xylene (o)	2790		"	2500	ND	112	80-120			
Surrogate: a,a,a-Trifluorotoluene	116		"	100		116	80-120			
Surrogate: 4-Bromofluorobenzene	95.4		"	100		95.4	80-120			

Environmental Lab of Texas

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Page 3 of 5

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Duke/ C-116 Line
Project Number: 2313
Project Manager: Ike Tavarez

Fax: (432) 682-3946

Reported:
02/01/05 10:42

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EB50104 - EPA 5030C (GC)

Matrix Spike Dup (EB50104-MSD1)

Source: 5A27007-10

Prepared & Analyzed: 01/28/05

Benzene	2330		ug/kg	2500	ND	93.2	80-120	1.30	20	
Toluene	2270		"	2500	ND	90.8	80-120	0.877	20	
Ethylbenzene	2430		"	2500	ND	97.2	80-120	10.5	20	
Xylene (p/m)	5400		"	5000	27.5	107	80-120	0.930	20	
Xylene (o)	2580		"	2500	ND	103	80-120	8.37	20	
Surrogate: a,a,a-Trifluorotoluene	116		"	100		116	80-120			
Surrogate: 4-Bromofluorobenzene	93.2		"	100		93.2	80-120			

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Page 4 of 5

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Project: Duke/ C-116 Line
Project Number: 2313
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
02/01/05 10:42

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K Tuttle

Date:

2-01-05

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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Page 5 of 5