SITE INFORMATION

General Site Information:	
Site:	Unnamed Lateral Line of the C-line (active)
Company:	Duke Energy Field Services, LP
Section, Township and Range	Section 33, T17S, R33 E
Unit Letter:	D
Lease Number:	
County:	Lea
GPS:	32° 47' 41.7", 103° 40' 27.5"
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 0.5 miles and turn right (east) on lease, road located
	before CR 125, follow main lease road 0.5 miles and turn right (at Y), take road to right
	go approx. 0.1 mi.to Wyatt Fed. #2 Conoco Phillips TB, spill west of TB on lease rd.
Release Data:	
Date Released:	12/10/2004
Type Release:	condensate
Source of Contamination:	Pipeline failure
Fluid Released:	Estimated 11 barrels
Fluids Recovered:	0 barrels

Official Communication:			
Name:	Lyne Ward		Ike Tavarez
Company:	Duke Energy Field Services, LP		Highlander Environmental Corp.
Address:	10 Desta Dr. Suite 10		1910 N. Big Spring
P.O. Box			
City:	Midland Texas, 79705		Midland, Texas
Phone number:	(432) 620-4207		(432) 692- 4559
Fax:	(432) 620-4162		
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

Highlander Environmental Corp.

Midland, Texas

May 26, 2005

IRP-55
9/27/05

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., Unnamed Lateral of the C Line (active) Located in Section 33, 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 Unnamed Lateral of the C Line (active) located in Section 33, Township 17 South, Range 33 East, Lea County, New Mexico (Site). The site coordinates are N 32° 47' 41.8", W 103° 40' 27.5". 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 December 10, 2004 from a rupture of a low pressure pipeline. The volume of the release was estimated at 11 barrels of water and condensate and none recovered. Most of the fluid ran down a lease road, in an area, which measured approximately 1,000 feet long at an average width of 2.0 feet.

Groundwater and Regulatory

The New Mexico State Engineer Office database shows a well in Section 20, Township 17 South, Range 33 East, with a reported 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 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 Assessment

On January 12, 2005, Highlander personnel inspected and collected soil samples from the spill area using a stainless steel, bucket type, hand auger. The majority of the spill was on the lease road and measured approximately 1,000 feet long, at an average width of 2.0 feet. A total of four (4) auger holes were installed to evaluate the subsurface soils. The spill area and auger hole locations are shown on Figure 2. Soil samples were collected at 0-1' and 1-1.5' below surface for analysis of TPH by method 8015M, BTEX by method 8021B and chloride by method SW 846-9252. The soil sample results are shown in Table 1. The laboratory reports and the chain of custody documentation are included in Appendix C.

Referring to Table 1, auger holes (AH-1 and AH-2) exceeded the RRAL total BTEX at 0-1' below surface. In addition, AH-1 exceeded the TPH at 0-1'. The deeper samples at 1-1.5' did not exceed the RRAL for TPH or BTEX. The remaining auger holes (AH-3 and AH-4) did not exceed the RRAL for TPH or BTEX. The chloride concentrations detected are not considered an environmental concern.

Corrective Action and Sampling

Due to the shallow impact at the Site, Duke proposed to remediate the impacted soil in-situ. The soil remediation consisted of working the soils in place using a backhoe. The spill area was then segregated into three areas (#1, #2 and #3) for sampling. The segregated areas are shown on Figure 2. On March 3, 2005 and May 6, 2005, the impacted areas were worked and sampled for evaluation. The results are summarized in Table 1. The laboratory reports and chain of custody are included in Appendix C. Referring to Table 1, the confirmation samples collected were all below the RRAL for TPH and BTEX.

Conclusions

The TPH and BTEX confirmation sampling did not show any significant residual hydrocarbon impact above the RRAL. 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

FIGURES

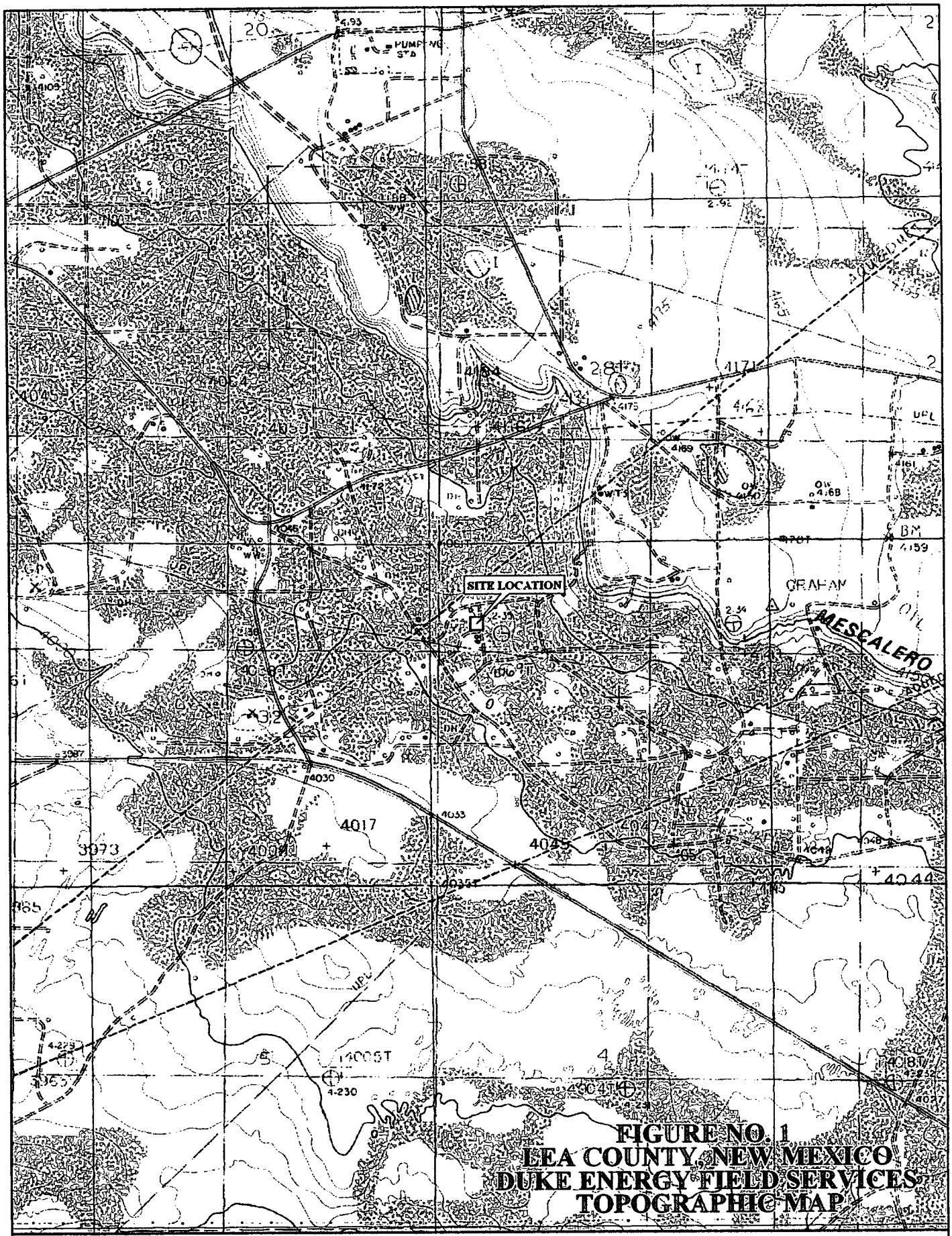
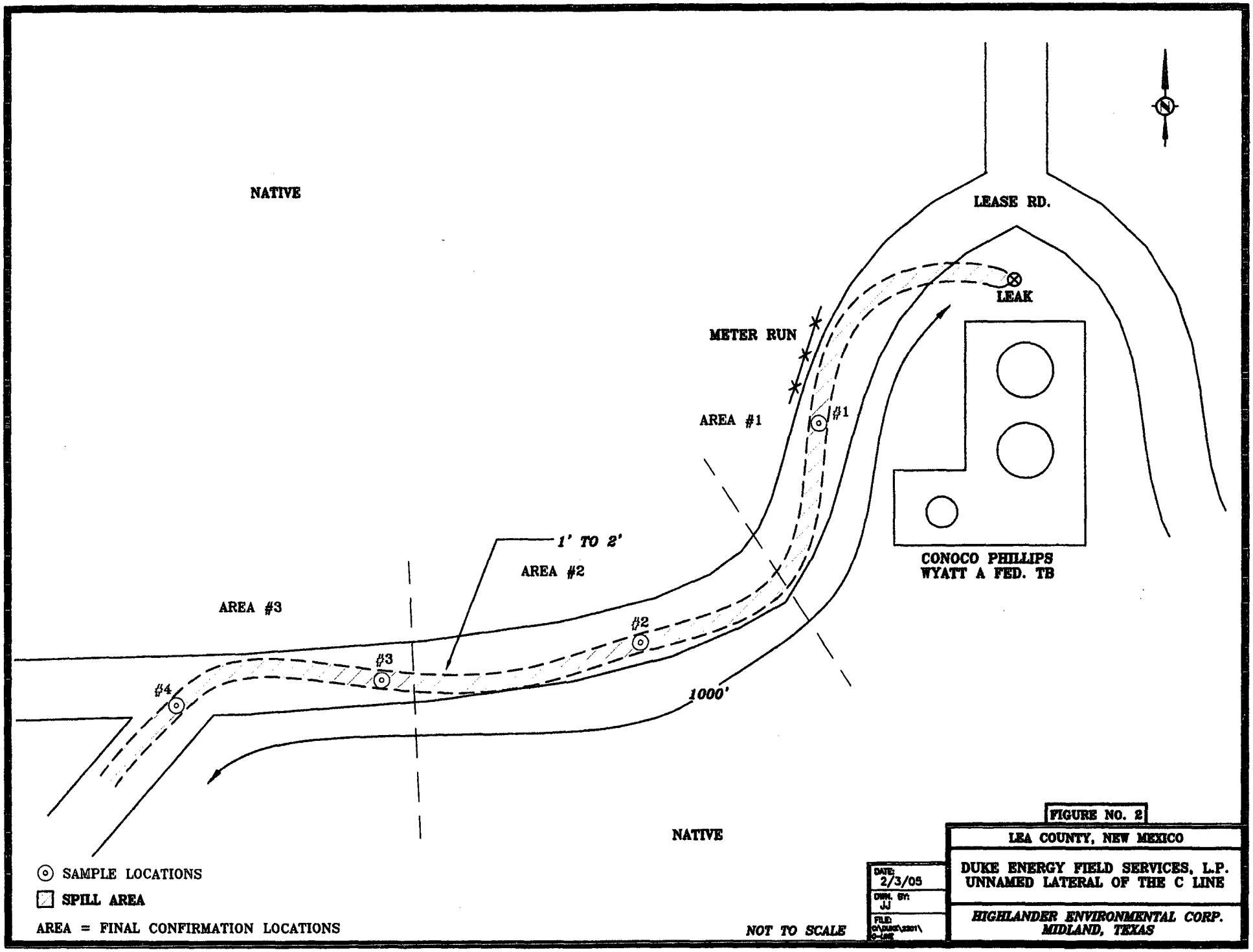


FIGURE NO. 1
LEA COUNTY, NEW MEXICO
DUKE ENERGY FIELD SERVICES
TOPOGRAPHIC MAP


NATIVE
LEASE RD.
LEAK
METER RUN
AREA #1
#1
1' TO 2'
AREA #2
AREA #3
#2
#3
#4
1000'
CONOCO PHILLIPS
WYATT A FED. TB
NATIVE
SAMPLE LOCATIONS
SPILL AREA
AREA = FINAL CONFIRMATION LOCATIONS
NOT TO SCALE
DATE: 2/3/05
DWN. BY: JJ
FILE: C:\DUKE\2301\C-LINE
FIGURE NO. 2
LEA COUNTY, NEW MEXICO
DUKE ENERGY FIELD SERVICES, L.P.
UNNAMED LATERAL OF THE C LINE
HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

TABLE

Table 1
Duke Energy Field Service, LP
Unname Lateral of the C- Line (Active)

Section 33, Township 17 South, Range 33 East
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)	Total BTEX	Chloride (mg/kg)
			C6-C12	C12-C35	Total						
#1	1/12/2005	0-0.5	2,190	3,020	**5,210**	9.57	105	74.1	104.6	**293.27**	42.5
	1/12/2005	1-1.5	<10.0	47.8	47.8	<0.025	<0.025	<0.025	<0.025	<0.025	149
#2	1/12/2005	0-0.5	1,150	2,130	3,280	0.0838	11.1	19.2	27.85	**58.23**	234
	1/12/2005	1-1.5	16.3	102	118	<0.025	<0.025	<0.025	<0.025	<0.025	255
#3	1/12/2005	0-0.5	<10.0	28.7	28.7	-	-	-	-	-	510
	1/12/2005	1-1.5	<10.0	41.4	41.4	-	-	-	-	-	234
#4	1/12/2005	0-0.5	337	973	1,310	-	-	-	-	-	596
	1/12/2005	1-1.5	<10.0	38.6	38.6	-	-	-	-	-	<20.0
Final Confirmation Sampling											
Area 1	3/3/2005	Composite	-	-	-	0.868	13.8	11.6	18.66	44.92	-
Area 1	5/6/2005	Composite	160	1340	1500	<0.025	<0.025	<0.025	0.1307	0.1307	-
Area 2	3/3/2005	Composite	-	-	-	0.549	19.6	23.1	47.2	**90.44**	-
Area 2	5/6/2005	Composite	-	-	-	<0.025	0.139	0.576	2.01	2.73	-
Area 3	3/3/2005	Composite	-	-	-	<0.025	<0.025	0.0338	0.141	0.1748	-

Soil Concentrations in mg/kg
Not Analyzed- (-)

APPENDIX A

New Mexico Oil Conservation Division - Form C-141
Release Notification and Corrective Action

DEC.20 2004 12:24 ... Revised March 17, 1999

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

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

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

Release Notification and Corrective Action

OPERATOR

X Initial Report   Final Report

Name of Company Duke Energy Field Services, LP	Contact Lynn Ward/Ronnie Gilchrest
Address 10 Desta Dr., Suite 10, Midland, TX 79705	Telephone No. 432/620-4207
Facility Name Unnamed Lateral of the C Line (Active)	Facility Type Pipeline

Surface Owner State of New Mexico	Mineral Owner State of New Mexico	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	33	17S	33E					Lea County

Latitude 32° 47.697' N Longitude 103° 40.458' W

NATURE OF RELEASE

Type of Release Condensate	Volume of Release Estimated at 11 bbls	Volume Recovered 0
Source of Release Pipeline failure	Date and Hour of Occurrence 12/10/04 @ 3:45 pm MST	Date and Hour of Discovery 12/10/04 @ 3:45 pm MST
Was Immediate Notice Given? X Yes No X Not Required	If YES, To Whom? Johnny Robinson, Hobbs District Office, OCD	
By Whom? Lynn Ward	Date and Hour 12/10/04 @ 5:30 pm MST	
Was a Watercourse Reached? Yes X No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.* At approximately 3:45 pm MST on 12/10/04, DEFS operations received an Emergency One Call of a possible release from a DEFS line of condensate and water. The area of impact was 2 feet by 1,000 feet and was the result of a leak on a lateral line off the C line. Initial inspection indicated the liquids had impacted 1 inch into the surface soils. The line is a low pressure (15 – 20 psi), 3 inch steel line with a normal volume of 25 Mmscfd. The volume of liquids lost is unknown but estimated at 11 bbls. The line was blocked in and clamped to stop further liquids release for the weekend and replaced on 12/13/04. DEFS intends to pick-up all impacted soils. Depth to groundwater in the vicinity as reported in the New Mexico Office of the State Engineer's database is greater than 100 feet below ground surface (Well 04363 @ 150 feet). RRALs: 5,000 ppm TPH, 10 ppm Benzene, 50 ppm BTEX. Soil samples will be collected following the removal of the soils to demonstrate effectiveness of cleanup measures. Contaminated soils will be disposed at CRI (Control Recovery Inc.) as exempt waste or to a properly permitted landfarm.

Describe Area Affected and Cleanup Action Taken.*

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: Lynn Ward	OIL CONSERVATION DIVISION	
Printed Name: Lynn Ward	Approved by District Supervisor:	
Title: Sr. Environmental Specialist	Approval Date:	Expiration Date:
Date: 12/16/04 Phone: 432/620-4207	Conditions of Approval:	Attached

CC: R. Gilchrest
Gathering Line file 2.1.1.1   91 7108 2133 3930 94033737

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 Unname Lateral of the C Line (active)	Facility Type **Pipeline**

Surface Owner **State of New Mexico**	Mineral Owner **State of New Mexico**	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	33	**17S**	**33E**					**Lea**

NATURE OF RELEASE

Type of Release **Condensate**	Volume of Release **11bbls**	Volume Recovered **0 bbls**
Source of Release **pipeline failure**	Date and Hour of Occurrence **12/10/04, 3:45 pm MST**	Date and Hour of Discovery **12/10/04 3:45 pm MST**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? **Johnny Robinson, NMOCD Hobbs District Office**	
By Whom? **Lynn Ward**	Date and Hour **12/10/04 5:30 PM MST**	
Was a Watercourse Reached? ☐ Yes ☒ 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.*
Leak on a lateral line off C line. Line is a low pressure (15-20 psi). Volume released was estimated at 11 barrels of condensate and water. The area of impact was 2 feet by 1,000 feet and had impacted 1 inch into the surface soils.

Describe Area Affected and Cleanup Action Taken.*
The impacted area, which flowed on the lease road, measured 1,000 feet with a width of approximately 2.0 feet. An assessment was performed on the impacted soil and results showed a shallow impact to the subsurface soils. The impacted soils were worked in place to reduce the hydrocarbon concentrations below the RRAL. The final confirmation samples for TPH and BTEX were all below the RRAL. The chloride concentrations detected 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 ☐
Date: 5/31/05 Phone: (432) 682-4559	

* Attach Additional Sheets If Necessary

APPENDIX B

New Mexico Office of the State Engineer
Well Reports and Downloads

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

18 South 33 East

6	5	4	3	2	1
7	8 100	9	10	11	12 140
18	17	16	15	14	13 60
19	20	21	22	23	24 195
30 35	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 New Mexico Engineer average depth to groundwater (ft)

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 01/10/2005

							(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	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

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 18S 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 05/26/2005

							(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	18S	33E	13				1	60	60	60
CP	18S	33E	24				1	195	195	195
L	18S	33E	08				1	100	100	100
L	18S	33E	12				2	130	150	140
L	18S	33E	30				2	35	35	35

Record Count: 7

APPENDIX C

Lab Analysis

Lab Analysis

1/20/2005

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Duke/ Lateral of C Line

Project Number: 2305

Location: Lea Co., NM

Lab Order Number: 5A17011

Report Date: 01/20/05

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2305	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	01/20/05 15:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#1 (0-0.5')	5A17011-01	Soil	01/12/05 00:00	01/14/05 17:30
#1 (1-1.5')	5A17011-02	Soil	01/12/05 00:00	01/14/05 17:30
#2 (0-0.5')	5A17011-03	Soil	01/12/05 00:00	01/14/05 17:30
#2 (1-1.5')	5A17011-04	Soil	01/12/05 00:00	01/14/05 17:30
#3 (0-0.5')	5A17011-05	Soil	01/12/05 00:00	01/14/05 17:30
#3 (1-1.5')	5A17011-06	Soil	01/12/05 00:00	01/14/05 17:30
#4 (0-0.5')	5A17011-07	Soil	01/12/05 00:00	01/14/05 17:30
#4 (1-1.5')	5A17011-08	Soil	01/12/05 00:00	01/14/05 17:30

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#1 (0-0.5') (5A17011-01) Soil									
Benzene	**9.57**	0.100	mg/kg dry	100	EA51806	01/18/05	01/18/05	EPA 8021B	
Toluene	**105**	0.100	"	"	"	"	"	"	
Ethylbenzene	**74.1**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**75.6**	0.100	"	"	"	"	"	"	
Xylene (o)	**29.0**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*657 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*183 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**2190**	10.0	mg/kg dry	1	EA51704	01/17/05	01/17/05	EPA 8015M	
Diesel Range Organics >C12-C35	**3020**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**5210**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	
#1 (1-1.5') (5A17011-02) Soil									
Gasoline Range Organics C6-C12	**J [9.92]**	10.0	mg/kg dry	1	EA51704	01/17/05	01/17/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**47.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**47.8**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*93.2 %*	*70-130*		"	"	"	"	
#2 (0-0.5') (5A17011-03) Soil									
Benzene	**0.0838**	0.0250	mg/kg dry	25	EA51806	01/18/05	01/18/05	EPA 8021B	
Toluene	**11.1**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**19.2**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**19.7**	0.0250	"	"	"	"	"	"	
Xylene (o)	**8.15**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*250 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*183 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**1150**	10.0	mg/kg dry	1	EA51704	01/17/05	01/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**2130**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3280**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#2 (1-1.5') (5A17011-04) Soil									
Gasoline Range Organics C6-C12	**16.3**	10.0	mg/kg dry	1	EA51704	01/17/05	01/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**102**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**118**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*93.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	
#3 (0-0.5') (5A17011-05) Soil									
Gasoline Range Organics C6-C12	**J [8.61]**	10.0	mg/kg dry	1	EA51704	01/17/05	01/18/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**28.7**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**28.7**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	
#3 (1-1.5') (5A17011-06) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA51704	01/17/05	01/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**41.4**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**41.4**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*100 %*	*70-130*		"	"	"	"	
#4 (0-0.5') (5A17011-07) Soil									
Gasoline Range Organics C6-C12	**337**	10.0	mg/kg dry	1	EA51704	01/17/05	01/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**973**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1310**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*119 %*	*70-130*		"	"	"	"	
#4 (1-1.5') (5A17011-08) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA51704	01/17/05	01/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**38.6**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**38.6**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*98.4 %*	*70-130*		"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#1 (0-0.5') (5A17011-01) Soil									
Chloride	**42.5**	20.0	mg/kg Wet	2	EA52005	01/18/05	01/19/05	SW 846 9253	
% Moisture	**6.3**		%	1	EA51802	01/17/05	01/18/05	% calculation	
#1 (1-1.5') (5A17011-02) Soil									
Chloride	**149**	20.0	mg/kg Wet	2	EA52005	01/18/05	01/19/05	SW 846 9253	
% Moisture	**9.2**		%	1	EA51802	01/17/05	01/18/05	% calculation	
#2 (0-0.5') (5A17011-03) Soil									
Chloride	**234**	20.0	mg/kg Wet	2	EA52005	01/18/05	01/19/05	SW 846 9253	
% Moisture	**4.4**		%	1	EA51802	01/17/05	01/18/05	% calculation	
#2 (1-1.5') (5A17011-04) Soil									
Chloride	**255**	20.0	mg/kg Wet	2	EA52005	01/18/05	01/19/05	SW 846 9253	
% Moisture	**9.1**		%	1	EA51802	01/17/05	01/18/05	% calculation	
#3 (0-0.5') (5A17011-05) Soil									
Chloride	**510**	20.0	mg/kg Wet	2	EA52005	01/18/05	01/19/05	SW 846 9253	
% Moisture	**10.0**		%	1	EA51802	01/17/05	01/18/05	% calculation	
#3 (1-1.5') (5A17011-06) Soil									
Chloride	**234**	20.0	mg/kg Wet	2	EA52005	01/18/05	01/19/05	SW 846 9253	
% Moisture	**3.7**		%	1	EA51802	01/17/05	01/18/05	% calculation	
#4 (0-0.5') (5A17011-07) Soil									
Chloride	**596**	20.0	mg/kg Wet	2	EA52005	01/18/05	01/19/05	SW 846 9253	
% Moisture	**5.3**		%	1	EA51802	01/17/05	01/18/05	% calculation	
#4 (1-1.5') (5A17011-08) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52005	01/18/05	01/19/05	SW 846 9253	
% Moisture	**5.3**		%	1	EA51802	01/17/05	01/18/05	% calculation	

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 EA51704 - Solvent Extraction (GC)										
Blank (EA51704-BLK1)				Prepared & Analyzed: 01/17/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*48.6*		*mg/kg*	*50.0*		*97.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.7*		*"*	*50.0*		*99.4*	*70-130*			
LCS (EA51704-BS1)				Prepared & Analyzed: 01/17/05						
Gasoline Range Organics C6-C12	457		mg/kg	500		91.4	75-125			
Diesel Range Organics >C12-C35	528		"	500		106	75-125			
Total Hydrocarbon C6-C35	985		"	1000		98.5	75-125			
Surrogate: 1-Chlorooctane	*50.9*		*"*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.2*		*"*	*50.0*		*100*	*70-130*			
Calibration Check (EA51704-CCV1)				Prepared & Analyzed: 01/17/05						
Gasoline Range Organics C6-C12	447		mg/kg	500		89.4	80-120			
Diesel Range Organics >C12-C35	512		"	500		102	80-120			
Total Hydrocarbon C6-C35	959		"	1000		95.9	80-120			
Surrogate: 1-Chlorooctane	*51.7*		*"*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.7*		*"*	*50.0*		*111*	*70-130*			
Matrix Spike (EA51704-MS1)	**Source: 5A17010-01**			Prepared & Analyzed: 01/17/05						
Gasoline Range Organics C6-C12	485		mg/kg	500	ND	97.0	75-125			
Diesel Range Organics >C12-C35	485		"	500	ND	97.0	75-125			
Total Hydrocarbon C6-C35	970		"	1000	ND	97.0	75-125			
Surrogate: 1-Chlorooctane	*57.7*		*"*	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.1*		*"*	*50.0*		*120*	*70-130*			
Matrix Spike Dup (EA51704-MSD1)	**Source: 5A17010-01**			Prepared & Analyzed: 01/17/05						
Gasoline Range Organics C6-C12	484		mg/kg	500	ND	96.8	75-125	0.206	20	
Diesel Range Organics >C12-C35	507		"	500	ND	101	75-125	4.44	20	
Total Hydrocarbon C6-C35	991		"	1000	ND	99.1	75-125	2.14	20	
Surrogate: 1-Chlorooctane	*59.7*		*"*	*50.0*		*119*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.9*		*"*	*50.0*		*116*	*70-130*			

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 EA51806 - EPA 5030C (GC)										
Blank (EA51806-BLK1)				Prepared & Analyzed: 01/17/05						
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	*112*		*ug/kg*	*100*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*113*		*"*	*100*		*113*	*80-120*			
LCS (EA51806-BS1)				Prepared & Analyzed: 01/17/05						
Benzene	108		ug/kg	100		108	80-120			
Toluene	106		"	100		106	80-120			
Ethylbenzene	101		"	100		101	80-120			
Xylene (p/m)	220		"	200		110	80-120			
Xylene (o)	103		"	100		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	*119*		*"*	*100*		*119*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*118*		*"*	*100*		*118*	*80-120*			
Calibration Check (EA51806-CCV1)				Prepared & Analyzed: 01/17/05						
Benzene	106		ug/kg	100		106	80-120			
Toluene	105		"	100		105	80-120			
Ethylbenzene	102		"	100		102	80-120			
Xylene (p/m)	217		"	200		108	80-120			
Xylene (o)	103		"	100		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	*116*		*"*	*100*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*117*		*"*	*100*		*117*	*80-120*			
Matrix Spike (EA51806-MS1)	**Source: 5A14015-06**			Prepared & Analyzed: 01/17/05						
Benzene	111		ug/kg	100	ND	111	80-120			
Toluene	112		"	100	ND	112	80-120			
Ethylbenzene	108		"	100	ND	108	80-120			
Xylene (p/m)	233		"	200	ND	116	80-120			
Xylene (o)	106		"	100	ND	106	80-120			
Surrogate: a,a,a-Trifluorotoluene	*113*		*"*	*100*		*113*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*116*		*"*	*100*		*116*	*80-120*			

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 EA51806 - EPA 5030C (GC)										
Matrix Spike Dup (EA51806-MSD1)	**Source: 5A14015-06**		Prepared & Analyzed: 01/17/05							
Benzene	109		ug/kg	100	ND	109	80-120	1.82	20	
Toluene	110		"	100	ND	110	80-120	1.80	20	
Ethylbenzene	112		"	100	ND	112	80-120	3.64	20	
Xylene (p/m)	233		"	200	ND	116	80-120	0.00	20	
Xylene (o)	112		"	100	ND	112	80-120	5.50	20	
Surrogate: a,a,a-Trifluorotoluene	*116*		"	*100*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*114*		"	*100*		*114*	*80-120*			

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
Batch EA51802 - % Solids										
Blank (EA51802-BLK1)				Prepared: 01/17/05 Analyzed: 01/18/05						
% Moisture	0.004		%							
Duplicate (EA51802-DUP1)		**Source: 5A17002-01**		Prepared: 01/17/05 Analyzed: 01/18/05						
% Moisture	2.4		%		2.2			8.70	20	
Batch EA52005 - Water Extraction										
Blank (EA52005-BLK1)				Prepared & Analyzed: 01/19/05						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EA52005-MS1)		**Source: 5A17011-01**		Prepared & Analyzed: 01/19/05						
Chloride	510	20.0	mg/kg Wet	500	42.5	93.5	80-120			
Matrix Spike Dup (EA52005-MSD1)		**Source: 5A17011-01**		Prepared & Analyzed: 01/19/05						
Chloride	521	20.0	mg/kg Wet	500	42.5	95.7	80-120	2.13	20	
Reference (EA52005-SRM1)				Prepared & Analyzed: 01/19/05						
Chloride	5000		mg/kg	5000		100	80-120			

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: 1-23-05

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.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Highlander Env.

Date/Time: 01-14-05 @ 1730

Order #: 5A17011

Initials: JMM

Sample Receipt Checklist

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

Other observations:

Add chloride per Ike. 1-18-05 1515 MT

Variance Documentation:

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

Regarding:

Corrective Action Taken:

Highlander Environmental Corp.

Midland, Texas

FAX

DATE: 1-25-05

TO: Jeanne

WITH: Environmental Lab of Texas

FAX : 1-(432) 563-1713

FROM: Ike Tavarez

WITH: Highlander Environmental Corp.
Midland, Texas

PAGES:
(including Fax cover)

Description:

1. Duke Energy Field Service – Lateral of C Line, Lea County, New Mexico
   Order # 5A17011

   Requesting additional analyses:

   BTEX Analysis:
   #1 (1-1.5)
   #2 (1-1.5)

Please call me if you have any questions, Thanks

HIGHLANDER ENVIRONMENTAL CORP.
1910 N. BIG SPRING
MIDLAND, TEXAS 79705
(432) 682-4559
e-mail: itavarez@hec-enviro.com

If fax is not legible please call Ike Tavarez at (432) 682-4559

Analysis Request and Chain of Custody Record

PAGE: 1 OF: 1

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Duke
SITE MANAGER: IKE Tavarez

PROJECT NO.: 2301
PROJECT NAME: Duke Lateral of C-line, Lea County NM

ANALYSIS REQUEST (Circle or Specify Method No.)

PRESERVATIVE METHOD

LAB I.D. NUMBER 5A17011	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	HCL	HNO3	ICE	NONE		BTEX 8020/602	MTBE 8020/602	TPH 418.1 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)		Chloride
-01	1/12/05		S		✓	#1 (0-0.5')	1				✓		Added [illegible] 1/18/05	X		X																X
-02	↓		S		✓	#1 (1-1.5')	1				✓			(X)		X																X
-03			S		✓	#2 (0-0.5')	1				✓			X		X																X
-04			S		✓	#2 (1-1.5')	1				✓			(X)		X																X
-05			S		✓	#3 (0-0.5')	1				✓					X																X
-06			S		✓	#3 (1-1.5')	1				✓					X																✓
-07			S		✓	#4 (0-0.5')	1				✓					X																X
-08	↓		S		✓	#4 (1-1.5')	1				✓					X																X
			S																													
			S																													

RELINQUISHED BY: (Signature) [signature] Date: 1/14/05 Time: 530
RECEIVED BY: (Signature) Date: Time:
SAMPLED BY: (Print & Sign) IKE Tavarez Date: Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:
SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #
HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: ELT
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) Rel-ETC [illegible]
DATE: 1-14-05 TIME: 1730

HIGHLANDER CONTACT PERSON: IKE Tavarez

Results by:

RUSH Charges Authorized:
Yes No

SAMPLE CONDITION WHEN RECEIVED: 4oz glass on ice 4.0°C.

MATRIX: W-Water A-Air SD-Solid S-Soil (circled) SL-Sludge O-Other

REMARKS: Run (2) BTEX w/ highest TPH
(X) Add 1-26-05 as per attached fax

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 Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Duke/ Lateral of C Line

Project Number: 2305

Location: Lea Co., NM

Lab Order Number: 5A17011

Report Date: 01/28/05

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2305	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	01/28/05 13:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#1 (1-1.5')	5A17011-02	Soil	01/12/05 00:00	01/14/05 17:30
#2 (1-1.5')	5A17011-04	Soil	01/12/05 00:00	01/14/05 17:30

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2305	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	01/28/05 13:50

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#1 (1-1.5') (5A17011-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA52719	01/26/05	01/26/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.2 %*	*80-120*		"	"	"	"	
#2 (1-1.5') (5A17011-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA52719	01/26/05	01/26/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.8 %*	*80-120*		"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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 EA52719 - EPA 5030C (GC)										
Blank (EA52719-BLK1)				Prepared & Analyzed: 01/26/05						
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 (EA52719-BS1)				Prepared: 01/26/05 Analyzed: 01/28/05						
Benzene	93.7		ug/kg	100		93.7	80-120			
Toluene	89.3		"	100		89.3	80-120			
Ethylbenzene	95.9		"	100		95.9	80-120			
Xylene (p/m)	215		"	200		108	80-120			
Xylene (o)	107		"	100		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	*119*		"	*100*		*119*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*102*		"	*100*		*102*	*80-120*			
Calibration Check (EA52719-CCV1)				Prepared: 01/26/05 Analyzed: 01/28/05						
Benzene	96.2		ug/kg	100		96.2	80-120			
Toluene	86.9		"	100		86.9	80-120			
Ethylbenzene	90.1		"	100		90.1	80-120			
Xylene (p/m)	201		"	200		100	80-120			
Xylene (o)	101		"	100		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	*120*		"	*100*		*120*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*95.1*		"	*100*		*95.1*	*80-120*			
Matrix Spike (EA52719-MS1)	**Source: 5A25015-09**			Prepared: 01/26/05 Analyzed: 01/28/05						
Benzene	95.6		ug/kg	100	ND	95.6	80-120			
Toluene	89.4		"	100	ND	89.4	80-120			
Ethylbenzene	97.9		"	100	ND	97.9	80-120			
Xylene (p/m)	220		"	200	ND	110	80-120			
Xylene (o)	111		"	100	ND	111	80-120			
Surrogate: a,a,a-Trifluorotoluene	*118*		"	*100*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*111*		"	*100*		*111*	*80-120*			

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 EA52719 - EPA 5030C (GC)										
Matrix Spike Dup (EA52719-MSD1)	**Source: 5A25015-09**			Prepared: 01/26/05 Analyzed: 01/28/05						
Benzene	97.2		ug/kg	100	ND	97.2	80-120	1.66	20	
Toluene	90.6		"	100	ND	90.6	80-120	1.33	20	
Ethylbenzene	98.5		"	100	ND	98.5	80-120	0.611	20	
Xylene (p/m)	221		"	200	ND	110	80-120	0.00	20	
Xylene (o)	111		"	100	ND	111	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	*118*		"	*100*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*114*		"	*100*		*114*	*80-120*			

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: 1-28-05

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.

Lab Analysis

3/07/2005

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Duke/ Lateral of C Line

Project Number: 2301

Location: Lea County, NM

Lab Order Number: 5C04018

Report Date: 03/07/05

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2301	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	03/07/05 12:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#1 Composite	5C04018-01	Soil	03/03/05 00:00	03/04/05 13:25
#2 Composite	5C04018-02	Soil	03/03/05 00:00	03/04/05 13:25
#3 Composite	5C04018-03	Soil	03/03/05 00:00	03/04/05 13:25

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#1 Composite (5C04018-01) Soil									
Benzene	**0.868**	0.0250	mg/kg dry	25	EC50408	03/04/05	03/04/05	EPA 8021B	
Toluene	**13.8**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**11.6**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**13.8**	0.0250	"	"	"	"	"	"	
Xylene (o)	**4.86**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*266 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
#2 Composite (5C04018-02) Soil									
Benzene	**0.549**	0.100	mg/kg dry	100	EC50408	03/04/05	03/04/05	EPA 8021B	
Toluene	**19.6**	0.100	"	"	"	"	"	"	
Ethylbenzene	**23.1**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**34.3**	0.100	"	"	"	"	"	"	
Xylene (o)	**12.9**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*188 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		"	"	"	"	
#3 Composite (5C04018-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC50408	03/04/05	03/04/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0338**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0627**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0783**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.4 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.9 %*	*80-120*		"	"	"	"	

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2301	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	03/07/05 12:05

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#1 Composite (5C04018-01) Soil									
% Moisture	**9.7**	0.1	%	1	EC50704	03/04/05	03/07/05	% calculation	
#2 Composite (5C04018-02) Soil									
% Moisture	**5.6**	0.1	%	1	EC50704	03/04/05	03/07/05	% calculation	
#3 Composite (5C04018-03) Soil									
% Moisture	**5.6**	0.1	%	1	EC50704	03/04/05	03/07/05	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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 EC50408 - EPA 5030C (GC)										
Blank (EC50408-BLK1)				Prepared: 03/03/05 Analyzed: 03/04/05						
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	*91.9*		*ug/kg*	*100*		*91.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*98.1*		*"*	*100*		*98.1*	*80-120*			
LCS (EC50408-BS1)				Prepared & Analyzed: 03/03/05						
Benzene	111		ug/kg	100		111	80-120			
Toluene	115		"	100		115	80-120			
Ethylbenzene	113		"	100		113	80-120			
Xylene (p/m)	238		"	200		119	80-120			
Xylene (o)	118		"	100		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*111*		*"*	*100*		*111*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*112*		*"*	*100*		*112*	*80-120*			
Calibration Check (EC50408-CCV1)				Prepared: 03/03/05 Analyzed: 03/04/05						
Benzene	101		ug/kg	100		101	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	89.3		"	100		89.3	80-120			
Xylene (p/m)	199		"	200		99.5	80-120			
Xylene (o)	96.7		"	100		96.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	*99.0*		*"*	*100*		*99.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*85.2*		*"*	*100*		*85.2*	*80-120*			
Matrix Spike (EC50408-MS1)		**Source: 5C03004-02**		Prepared & Analyzed: 03/03/05						
Benzene	114		ug/kg	100	ND	114	80-120			
Toluene	120		"	100	ND	120	80-120			
Ethylbenzene	110		"	100	ND	110	80-120			
Xylene (p/m)	237		"	200	ND	118	80-120			
Xylene (o)	117		"	100	ND	117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*117*		*"*	*100*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*112*		*"*	*100*		*112*	*80-120*			

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 EC50408 - EPA 5030C (GC)										
Matrix Spike Dup (EC50408-MSD1)	**Source: 5C03004-02**		Prepared & Analyzed: 03/03/05							
Benzene	99.8		ug/kg	100	ND	99.8	80-120	13.3	20	
Toluene	100		"	100	ND	100	80-120	18.2	20	
Ethylbenzene	92.6		"	100	ND	92.6	80-120	17.2	20	
Xylene (p/m)	208		"	200	ND	104	80-120	12.6	20	
Xylene (o)	101		"	100	ND	101	80-120	14.7	20	
Surrogate: a,a,a-Trifluorotoluene	*94.2*		"	*100*		*94.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*91.7*		"	*100*		*91.7*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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
Batch EC50704 - General Preparation (Prep)										
Blank (EC50704-BLK1)				Prepared: 03/04/05 Analyzed: 03/07/05						
% Moisture	ND	0.1	%							
Duplicate (EC50704-DUP1)		**Source: 5C04001-01**		Prepared: 03/04/05 Analyzed: 03/07/05						
% Moisture	0.9	0.1	%		1.3			36.4	20	

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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: 3-07-05

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.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Highlander

Date/Time: 2/4/05 2:00

Order #: 5C04018

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	3.0 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	~~Not present~~
Custody Seals intact on sample bottles?	Yes	No	~~Not present~~
Chain of custody present?	~~Yes~~	No	
Sample Instructions complete on Chain of Custody?	~~Yes~~	No	
Chain of Custody signed when relinquished and received?	~~Yes~~	No	
Chain of custody agrees with sample label(s)	~~Yes~~	No	
Container labels legible and intact?	~~Yes~~	No	
Sample Matrix and properties same as on chain of custody?	~~Yes~~	No	
Samples in proper container/bottle?	~~Yes~~	No	
Samples properly preserved?	~~Yes~~	No	
Sample bottles intact?	~~Yes~~	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	Yes	~~No~~	
Sufficient sample amount for indicated test?	~~Yes~~	No	
All samples received within sufficient hold time?	~~Yes~~	No	
VOC samples have zero headspace?	~~Yes~~	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

CLIENT NAME: Duke SITE MANAGER: IKE Tavarez

PROJECT NO.: 2301 PROJECT NAME: Duke/Lateral Line (C-Line) Lea County, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
504018-01	3/3/05		S	Y		#1 Composite	1				✓		X																
-02	3/3/05		S	Y		#2 Composite	1				✓		X																
-03	3/3/05		S	Y		#3 Composite	1				✓		X																

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature)	Date: 3/4/05 Time: 1:20	RECEIVED BY: (Signature)	Date: Time:
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:

SAMPLED BY: (Print & Sign) IKE Tavarez Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #: HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: ECI
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) Date: 3-04-05 TIME: 1325

HIGHLANDER CONTACT PERSON: IKE Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 3.0°C

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS:

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Enviromental 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 Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Duke/ Lateral of C Line

Project Number: 2301

Location: Lea County, NM

Lab Order Number: 5C04018

Report Date: 03/07/05

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2301	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	03/07/05 17:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#1 Composite	5C04018-01	Soil	03/03/05 00:00	03/04/05 13:25
#2 Composite	5C04018-02	Soil	03/03/05 00:00	03/04/05 13:25
#3 Composite	5C04018-03	Soil	03/03/05 00:00	03/04/05 13:25

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2301	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	03/07/05 17:25

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#1 Composite (5C04018-01) Soil									
Benzene	**0.868**	0.0250	mg/kg dry	25	EC50408	03/04/05	03/04/05	EPA 8021B	
Toluene	**13.8**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**11.6**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**13.8**	0.0250	"	"	"	"	"	"	
Xylene (o)	**4.86**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*266 %*		*80-120*		"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*102 %*		*80-120*		"	"	"	
#2 Composite (5C04018-02) Soil									
Benzene	**0.549**	0.100	mg/kg dry	100	EC50408	03/04/05	03/04/05	EPA 8021B	
Toluene	**19.6**	0.100	"	"	"	"	"	"	
Ethylbenzene	**23.1**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**34.3**	0.100	"	"	"	"	"	"	
Xylene (o)	**12.9**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*188 %*		*80-120*		"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*116 %*		*80-120*		"	"	"	
#3 Composite (5C04018-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC50408	03/04/05	03/04/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0338**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0627**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0783**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.4 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.9 %*		*80-120*		"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2301	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	03/07/05 17:25

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#1 Composite (5C04018-01) Soil									
% Moisture	9.7	0.1	%	1	EC50704	03/04/05	03/07/05	% calculation	
#2 Composite (5C04018-02) Soil									
% Moisture	5.6	0.1	%	1	EC50704	03/04/05	03/07/05	% calculation	
#3 Composite (5C04018-03) Soil									
% Moisture	5.6	0.1	%	1	EC50704	03/04/05	03/07/05	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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 EC50408 - EPA 5030C (GC)										
Blank (EC50408-BLK1)			Prepared: 03/03/05 Analyzed: 03/04/05							
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	*91.9*		*ug/kg*	*100*		*91.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*98.1*		"	*100*		*98.1*	*80-120*			
LCS (EC50408-BS1)			Prepared & Analyzed: 03/03/05							
Benzene	111		ug/kg	100		111	80-120			
Toluene	115		"	100		115	80-120			
Ethylbenzene	113		"	100		113	80-120			
Xylene (p/m)	238		"	200		119	80-120			
Xylene (o)	118		"	100		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*111*		"	*100*		*111*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*112*		"	*100*		*112*	*80-120*			
Calibration Check (EC50408-CCV1)			Prepared: 03/03/05 Analyzed: 03/04/05							
Benzene	101		ug/kg	100		101	80-120			
Toluene	103		"	100		103	80-120			
Ethylbenzene	89.3		"	100		89.3	80-120			
Xylene (p/m)	199		"	200		99.5	80-120			
Xylene (o)	96.7		"	100		96.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	*99.0*		"	*100*		*99.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*85.2*		"	*100*		*85.2*	*80-120*			
Matrix Spike (EC50408-MS1)	**Source: 5C03004-02**		Prepared & Analyzed: 03/03/05							
Benzene	114		ug/kg	100	ND	114	80-120			
Toluene	120		"	100	ND	120	80-120			
Ethylbenzene	110		"	100	ND	110	80-120			
Xylene (p/m)	237		"	200	ND	118	80-120			
Xylene (o)	117		"	100	ND	117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*117*		"	*100*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*112*		"	*100*		*112*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2301	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	03/07/05 17:25

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 EC50408 - EPA 5030C (GC)										
Matrix Spike Dup (EC50408-MSD1)	**Source: 5C03004-02**		Prepared & Analyzed: 03/03/05							
Benzene	99.8		ug/kg	100	ND	99.8	80-120	13.3	20	
Toluene	100		"	100	ND	100	80-120	18.2	20	
Ethylbenzene	92.6		"	100	ND	92.6	80-120	17.2	20	
Xylene (p/m)	208		"	200	ND	104	80-120	12.6	20	
Xylene (o)	101		"	100	ND	101	80-120	14.7	20	
Surrogate: a,a,a-Trifluorotoluene	*94.2*		"	*100*		*94.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*91.7*		"	*100*		*91.7*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2301	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	03/07/05 17:25

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
Batch EC50704 - General Preparation (Prep)										
Blank (EC50704-BLK1)				Prepared: 03/04/05 Analyzed: 03/07/05						
% Moisture	ND	0.1	%							
Duplicate (EC50704-DUP1)	**Source: 5C04001-01**			Prepared: 03/04/05 Analyzed: 03/07/05						
% Moisture	0.9	0.1	%		1.3			36.4	20	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2301	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	03/07/05 17:25

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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: 3/7/2005

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.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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: Duke

SITE MANAGER: Ike Tavarez

PROJECT NO.: 2301

PROJECT NAME: Duke / Lateral Line (C-Line) Lea County, NM

LAB I.D. NUMBER: 5C04018-0

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	(BTEX) 8020/602	MTBE 8020/608	TPH 418.1 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
-01	3/3/05		S	Y		#1 Composite	1				✓		X																
-02	3/3/05		S	Y		#2 Composite	1				✓		X																
-03	3/3/05		S	Y		#3 Composite	1				✓		X																

RELINQUISHED BY: (Signature) [signature] Date: 3/4/05 Time: 1:20

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: ECL
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) [signature]
DATE: 3-04-05 TIME: 1325

SAMPLED BY: (Print & Sign) Ike Tavarez Date: Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #
HAND DELIVERED UPS OTHER:

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 3.0°C

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS:

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

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Highlander

Date/Time: 2/4/05 2:00

Order #: 5C09018

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	3.0 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	Yes	(No)	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

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Variance Documentation:

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

Regarding:

_____

_____

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Corrective Action Taken:

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Lab Analysis

5/12/2005

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Duke/ Lateral of C Line

Project Number: 2301

Location: Lea County, NM

Lab Order Number: 5E10005

Report Date: 05/12/05

Highlander Environmental Corp.	Project: Duke/ Lateral of C Line	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 2301	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	05/12/05 13:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Area #1	5E10005-01	Soil	05/06/05 00:00	05/09/05 17:25
Area #2	5E10005-02	Soil	05/06/05 00:00	05/09/05 17:25

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Area #1 (5E10005-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51116	05/11/05	05/11/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**J [0.0149]**	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	**0.0553**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0754**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**160**	10.0	mg/kg dry	1	EE51003	05/10/05	05/10/05	EPA 8015M	
Diesel Range Organics >C12-C35	**1340**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1500**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*83.2 %*	*70-130*		"	"	"	"	
Area #2 (5E10005-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51116	05/11/05	05/11/05	EPA 8021B	
Toluene	**0.139**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.576**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.34**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.675**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.3 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.3 %*	*80-120*		"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Area #1 (5E10005-01) Soil									
% Moisture	**5.6**	0.1	%	1	EE51102	05/10/05	05/11/05	% calculation	
Area #2 (5E10005-02) Soil									
% Moisture	**6.0**	0.1	%	1	EE51102	05/10/05	05/11/05	% calculation	

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 EE51003 - Solvent Extraction (GC)										
Blank (EE51003-BLK1)				Prepared & Analyzed: 05/10/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*37.1*		*mg/kg*	*50.0*		*74.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.9*		*"*	*50.0*		*71.8*	*70-130*			
LCS (EE51003-BS1)				Prepared & Analyzed: 05/10/05						
Gasoline Range Organics C6-C12	442	10.0	mg/kg wet	500		88.4	75-125			
Diesel Range Organics >C12-C35	448	10.0	"	500		89.6	75-125			
Total Hydrocarbon C6-C35	890	10.0	"	1000		89.0	75-125			
Surrogate: 1-Chlorooctane	*37.9*		*mg/kg*	*50.0*		*75.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.8*		*"*	*50.0*		*71.6*	*70-130*			
LCS Dup (EE51003-BSD1)				Prepared & Analyzed: 05/10/05						
Gasoline Range Organics C6-C12	424	10.0	mg/kg wet	500		84.8	75-125	4.16	20	
Diesel Range Organics >C12-C35	480	10.0	"	500		96.0	75-125	6.90	20	
Total Hydrocarbon C6-C35	904	10.0	"	1000		90.4	75-125	1.56	20	
Surrogate: 1-Chlorooctane	*38.5*		*mg/kg*	*50.0*		*77.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.7*		*"*	*50.0*		*75.4*	*70-130*			
Calibration Check (EE51003-CCV1)				Prepared & Analyzed: 05/10/05						
Gasoline Range Organics C6-C12	498		mg/kg	500		99.6	80-120			
Diesel Range Organics >C12-C35	514		"	500		103	80-120			
Total Hydrocarbon C6-C35	1010		"	1000		101	80-120			
Surrogate: 1-Chlorooctane	*42.4*		*"*	*50.0*		*84.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.5*		*"*	*50.0*		*73.0*	*70-130*			

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 EE51116 - EPA 5030C (GC)										
Blank (EE51116-BLK1)				Prepared & Analyzed: 05/11/05						
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	*82.5*		*ug/kg*	*100*		*82.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*82.7*		"	*100*		*82.7*	*80-120*			
LCS (EE51116-BS1)				Prepared & Analyzed: 05/11/05						
Benzene	84.3		ug/kg	100		84.3	80-120			
Toluene	82.7		"	100		82.7	80-120			
Ethylbenzene	82.2		"	100		82.2	80-120			
Xylene (p/m)	186		"	200		93.0	80-120			
Xylene (o)	91.6		"	100		91.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*100*		"	*100*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*91.4*		"	*100*		*91.4*	*80-120*			
Calibration Check (EE51116-CCV1)				Prepared & Analyzed: 05/11/05						
Benzene	98.7		ug/kg	100		98.7	80-120			
Toluene	91.2		"	100		91.2	80-120			
Ethylbenzene	85.7		"	100		85.7	80-120			
Xylene (p/m)	191		"	200		95.5	80-120			
Xylene (o)	90.0		"	100		90.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*95.5*		"	*100*		*95.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*87.7*		"	*100*		*87.7*	*80-120*			
Matrix Spike (EE51116-MS1)	**Source: 5E11001-06**			Prepared & Analyzed: 05/11/05						
Benzene	98.7		ug/kg	100	ND	98.7	80-120			
Toluene	94.6		"	100	ND	94.6	80-120			
Ethylbenzene	94.6		"	100	ND	94.6	80-120			
Xylene (p/m)	222		"	200	44.1	89.0	80-120			
Xylene (o)	98.7		"	100	ND	98.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	*91.2*		"	*100*		*91.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*104*		"	*100*		*104*	*80-120*			

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 EE51116 - EPA 5030C (GC)										
Matrix Spike Dup (EE51116-MSD1)	**Source: 5E11001-06**		Prepared & Analyzed: 05/11/05							
Benzene	100		ug/kg	100	ND	100	80-120	1.31	20	
Toluene	96.3		"	100	ND	96.3	80-120	1.78	20	
Ethylbenzene	96.3		"	100	ND	96.3	80-120	1.78	20	
Xylene (p/m)	221		"	200	44.1	88.4	80-120	0.676	20	
Xylene (o)	102		"	100	ND	102	80-120	3.29	20	
Surrogate: a,a,a-Trifluorotoluene	*101*		"	*100*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*106*		"	*100*		*106*	*80-120*			

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
Batch EE51102 - General Preparation (Prep)										
Blank (EE51102-BLK1)				Prepared: 05/10/05 Analyzed: 05/11/05						
% Moisture	ND	0.1	%							
Duplicate (EE51102-DUP1)		**Source: 5E10001-01**		Prepared: 05/10/05 Analyzed: 05/11/05						
% Moisture	11.1	0.1	%		10.5			5.56	20	

Notes and Definitions

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: 5-12-05

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.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Highlander

Date/Time: 5/10/05 8:00

Order #: 5E10005

Initials: CK

Sample Receipt Checklist

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

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

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Analysis Request and Chain of Custody Record

PAGE: 1 OF: 1

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Duke SITE MANAGER: IKE Tavarez

PROJECT NO.: 2301 PROJECT NAME: Duke / UH Hare Lateral Line of C. Line. Lea Co. NM.

SE 16005

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	9015 MOD. TX1005 TPH 418.1	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
-01	5-6-05		S	Y		Area #1	1				✓		X		X														
-02	5-6-05		S	Y		Area #2	1				✓		X																

RELINQUISHED BY: (Signature) Date: 5/9/05 Time: 1725 RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) IKE Tavarez Date: Time:

RELINQUISHED BY: (Signature) Date: Time: RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL # HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time: RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: ECT RECEIVED BY: (Signature) Sandra Adueng

ADDRESS: DATE: 5/9/05 TIME: 1725

CITY: STATE: ZIP: HIGHLANDER CONTACT PERSON: IKE Tavarez

CONTACT: PHONE: Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4.0°C

MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other

REMARKS:

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