

Highlander Environmental Corp.

Midland, Texas

October 20, 2003

Mr. Paul Sheeley Environmental Bureau Oil Conservation Division 1625 N. French Drive P.O. Box 1980 Hobbs, New Mexico 88240

026181119

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RE: Request for Closure for the Pipeline Leak Located at the Duke G-28, Section 9, Township 22 South, Range 36 East Lea County, New Mexico.

Dear Mr. Sheeley:

Highlander Environmental Corp. (Highlander) was contacted by Duke Energy Field Services, LP (Duke) to assess a pipeline leak, which occurred at the Duke G-28 in Lea County, New Mexico. The Site is located in Section 9, Township 22 South, Range 36 East at location 32° 24' 07"N, 103° 15' 58.6"W. The Site location is shown in Figure 1. Highlander submitted an assessment report to the New Mexico Oil Conservation Division (NMOCD) dated January 10, 2002.

Groundwater & Regulatory

A risk-based evaluation was performed for the Site in accordance with the NMOCD Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. Based upon the depth to groundwater, as discussed in the January 10, 2002 assessment report, the recommended remediation action levels (RRAL) were determined to be 10 mg/kg for benzene, 50 ppm for total BTEX and 5,000 mg/kg for TPH.

Background

On August 24, 2001, a leak occurred from a gas gathering line and released pipeline liquids into the surrounding soils. The leak released approximately 210 gallons (5 barrels) of petroleurn oils and liquids. Approximately 42 gallons (1 barrel) of liquids were recovered and the pipeline leak was immediately repaired. A copy of the C-141 (Initial) is included in Appendix A. No remedial action was taken for the impacted soil, other than breaking and mixing the soil during the line repair. The spill area was allowed to naturally degrade.

Previous Assessment

On September 5, 2001, Highlander inspected the leak area and collected soil samples using a stainless steel bucket-type hand auger. A total of five (5) auger holes were installed near the release point to define the extent of the impact. One auger hole location (AH-1) exceeded the

incident - PACO605343792 application - PACO605345636 Fax (915) 682-4559 Fax (915) 682-3946 ec-229153 -fPAC0605313689 Midland, Texas 79705

RRAL for TPH of 5,000 mg/kg. The soil sample at 0-1' showed a TPH level of 10,500 mg/kg, which decreased to 3,120 mg/kg at 3.0' below surface. The remaining auger holes (AH-2, AH-3, AH-4 and AH-5) did not show TPH levels above the RRAL. The benzene and the total BTEX levels in the auger holes did not exceed the RRAL of 10 mg/kg and 50 mg/kg, respectively. The chloride impact did not appear to be an environmental concern.

Confirmation Sampling

On October 1, 2003, the area around AH-1 was sampled to evaluate the natural attenuation. As shown on Figure 2, a three spot composite sample was taken from 0'-1' around AH-1. The sample was analyzed for TPH by Method 8015M and the concentration was well below the RRAL of 5,000 mg/kg.

Sampling Protocol

All samples were collected with either a stainless steel bucket-type hand auger or stainless steel trowel. All samples for laboratory analysis were collected and preserved according to EPA protocols, and analyzed within appropriate holding times. The laboratory reports are shown in Appendix B. All sampling equipment was washed between sampling events using distilled water and laboratory grade detergent.

Conclusions

Based upon the sample results of the confirmation sampling, the remediation of the spill area has reduced TPH below 5,000 mg/kg. Duke requests closure for this Site. A copy of the C-141 (Final) is enclosed in Appendix A.

If you require any additional information or have any questions or comments concerning the closure report, please call.

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Very truly yours mrle

Timothy M. Reed, RÈM Vice President

Steve Weathers – Duke Energy Field Services

FIGURES

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APPENDIX A

State of New Mexico Form C-141

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FORM C-141

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Intermediate Contact VEM GALARY Address PC Pox 50020 Telephone No. 315-82.34 (42) Middand, Ta 787 10-0020 Telephone No. 315-82.34 (42) Facility Name NMR Reportal Unit N/A Facility Type Surface Swner Mineral Owner Lesser No. LOCATION OF RELEASE Unit Letter Sector Township LOCATION OF RELEASE Township Rangs Facility Type NATURE OF RELEASE: Volume Released 20 Galars 0 Poundy Control Referse Source Data/Hour of Decoversd Qate Hour of Discovery gag gatterms intra 097.42001 10.00 AM 302-4201 10.00 AM Immediate Notice Given? Volume Release Source Data/Hour of Discovery 097.42001 10.00 AM 302-4201 10.00 AM 302-4201 10.00 AM Immediate Notice Given? Volume Release Source Data/Hour of Discovery 097.42001 10.00 AM 302-4201 10.00 AM 302-4201 10.00 AM Release Source On Noi Required When? Midercourse was Imported, Describe Fully To Nhom? NMACO, Budity Hill Context of Prob	OPERATOR		F	leloess Not	fication	and Corr	ective Actio	'n	X Initial Repo	T Cingl Report
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Utile: Approval Data: Expiration Data: Phone: Phone: Conditions of Atlached: 10/4/0, 915-620-4126 Approval: Atlached:	Printud Name.	A.M.	loor			Approve District S	d by Supervisor			
Date: Phone: Conditions of Allached: 10/4/0, 9/5-620-4126 Addreval: Allached:	l'itie: E	nv. To	ch	,		Approva	Dale:		Expiration Us	i10:
	Date: 10/4/	Phone 9 41	5-6	20 - 41	26	Condition Approvat	n9 0!		Allached:	

State of New Mexico Energy Minerals and Natural Resources

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

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

		,		58	anta F	e, NM 875	05					
			Relo	ease Notific	catio	n and Co	orrective A	ctior	1			
						OPERA	ſOR] Initi	al Report	M	Final Repor
Name of Co	mpany :	Duke Energ	y Field S	ervice, LP		Contact: Po	olo Rendon					······
Address: 10	525 W. M	arland, Hobl	os, New M	Aexico		Telephone N	No.: (505) 397-	5601				
Facility Nar	ne: NMR	Regional U	nit N/A (G-28)		Facility Typ	e: Gathering S	ystem I	ine			
Surface Ow	ner:			Mineral (Owner:				Lease 1	No.		
				LOC		NOFDEI	FASE					
l Init Letter	Section	Townshin	Range	Feet from the	North	/South Line	Feet from the	East/	West Line	County		·
N	9	228	36E							Lea		
				<u> </u>				L				
				NAT	FURE	E OF REL	EASE					
Type of Rele	ase: Petrole	um Oil and L	iquids.			Volume of	Release: 210 gal	lons	Volume	Recovered:	42 gal	ons
Source of Pa	lease: Gath	hering Pipelin	0			Date and H	lour of Occurrence		Date and	Hour of Di	coven	,
	lease. Gau	iening i ipenin	C			8/24/01	10:00 AM		8/24/01	10:01 AM	scovery	1
Was Immedia	ate Notice (Given?	.			If YES, To	Whom?					
		¥	Yes L		equired	1 NMOCD -	Buddy Hill					
By Whom? :	Jackie Flov	wers - Duke				Date and H	lour: 8/24/01	1 . 117.4				
was a water	course Rea		Yes	No			nume impacting	ine wat	ercourse.			
If a Wataraa			- 7	*								
n a watercot	inse was m	ipacieu, Desci	noe runy.									
Describe Cau	ise of Prob	lem and Reme	edial Actic	n Taken.*						•		
A leak in the	G-28 gathe	ering line. The	e leak at th	e line was repaire	d. The	free liquids ar	ound the leak we	re picku	ip with a va	icuum truck	. Soil i	remediation of
the soil woul	d be perfor	med after the	line is rep	laced.								
				· · ·								
Describe Are	a Affected was renaire	and Cleanup.	Action 1a	ken.≁ uids were confine	d to the	e to the release	Assessment per	formed	at the relea	se Submitt	ed the	Assessment
and Work Pla	an Report to	o the NMOCI	D for revie	w. The areal exte	ent of th	ne surface stain	ing measured app	ютох. 25	' x 75'. In	addition, th	e area	north of the
release had s	ome over sj	pray. No rem	edial actio	n was taken for th	ie impa	cted soil, other	than mixing the	soil dur	ing the line	repair. The	e spill v	was allowed
to naturally o	legrade. I f	ie final soll co	mposite s	ample collected w	vas all c	below the KKA	L. A Closure Re	port wa	s submitted	the NMOC	D for i	eview.
l hereby certi	fy that the	information g	iven abov	e is true and comp	olete to	the best of my	knowledge and u	indersta	nd that pur	suant to NM	IOCD 1	rules and
regulations a	ll operators	are required	to report a	nd/or file certain	release	notifications a	nd perform correct	ctive act	tions for re	leases which	n may e	ndanger
should their	or the envi	fronment. I no have failed to	e acceptan adequatel	ce of a C-141 rep v investigate and i	on by t remedi:	ne NMOCD m ste contaminati	on that pose a th	eport" (toes not re	neve the ope	erator c	of liability Iman health
or the enviro	nment. In a	addition, NM	OCD acce	ptance of a C-141	report	does not reliev	e the operator of	respons	sibility for o	compliance	with an	iy other
federal, state,	, or local la	ws and/or reg	ulations.									
							<u>OIL CON</u>	SERV	ATION	DIVISIO	<u>)N</u>	
Signature:												
Printed Name	e lke Tava	167				Approved by	District Supervis	or:				
i inneu Ivallio		1) CL										
Title: Senior	Geologist					Approval Dat	e:		Expiration	Date:		
E-mail Addre	ess: itavarez	z@hec-enviro	.com			Conditions of	f Approval:					
		. <u>~</u>								Attached		
Date:	-		Phone	2:								

* Attach Additional Sheets If Necessary

APPENDIX B

Analytical Results

ANALYTICAL REPORT

Prepared for:

IKE TAVAREZ HIGHLANDER ENVIRONMENTAL CORP. 1910 N. BIG SPRING STREET MIDLAND, TX 79705

Project:Duke/6-28 Spill AreaPO#:G0307633

Report Date: 10/07/2003

<u>Certificates</u> US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

HIGHLANDER ENVIRONMENTAL CORP.	Order#:	G0307633
1910 N. BIG SPRING STREET	Project:	1713
MIDLAND, TX 79705	Project Name:	Duke/6-28 Spill Area
682-3946	Location:	Lea County, N.M.

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

			Date / Time	Date / Time		
Lab ID:	Sample :	Matrix:	Collected	Received	Container	<u>Preservative</u>
0307633-01	Composite (0-1.0')	SOIL	10/1/03	10/2/03	4 oz glass	ice
			13:00	16:40		
La	<u>b Testing:</u>	Rejected: No	Ten	np: 14.5 C		
	8015M					
_	Chloride			_		

ENVIRONMENTAL LAB OF TEXAS ANALYTICAL REPORT

IKE TAVAREZ	Order#:	G0307633
HIGHLANDER ENVIRONMENTAL CORP.	Project:	1713
1910 N. BIG SPRING STREET	Project Name:	Duke/6-28 Spill Area
MIDLAND, TX 79705	Location:	Lea County, N.M.

Lab ID: Sample ID: 0307633-01 Composite (0-1.0')

			8015M			
Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u> 10/3/03	Sample <u>Amount</u> 1	Dilution <u>Factor</u> 1	<u>Analyst</u> JLH	<u>Method</u> 8015M
	Parameter		Resul	t	RL	
	GRO, C6-C12		112		10.0	
	DRO, >C12-C35		1,160)	10.0	
	TOTAL, C6-C35		1,272	2	10.0	

Surrogates	% Recovered	QC Li	mits (%)
1-Chlorooctane	100%	70	130
1-Chlorooctadecane	106%	70	130

Approval: <u>Manual Manual 10-07-03</u> Raland K. Tuttle Lab Director, QA Officer Date Celey D. Keene, Org. Tech. Director Jeanne McMurrey, Inorg. Tech. Director Sandra Biezugbe, Lab Tech. Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS ANALYTICAL REPORT

IKE TAVARE HIGHLANDE 1910 N. BIG SI MIDLAND, T	Z R ENVIRONMENTAL CORP. PRING STREET X 79705		Order#: Project: Project Location	Name: n:	G0307633 1713 Duke/6-28 S Lea County,	pill Area N.M.		
Lab ID: Sample II):	0307633-01 Composite (0-1.0')							
Test Paran Parameter	meters	<u>Result</u>	Units	Dilutior <u>Factor</u>	n : <u>RL</u>	Method	Date Analyzed	Analyst
Chloride		337	mg/kg	1	20	9253	10/3/03	SB

Approval: <u>10-07-03</u> Raland K. Tuffe, Lab Director, QA Officer Date Celey D. Keene, Org. Tech. Director Jeanne McMurrey, Inorg. Tech. Director Sandra Biezugbe, Lab Tech. Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8015M

Order#: G0307633

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0007055-02	· · · · · · · · · · · · · · · · · · ·		<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0007055-03		952	772	81.1%	
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0307635-01	16.8	952	1054	108.9%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPÐ
TOTAL, C6-C35-mg/kg		0307635-01	16.8	952	1046	108.1%	0.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0007055-05		1000	921	92.1%	

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

Test Parameters

Order#: G0307633

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0007031-01			<20		
MS	SOIL	LAB-1D #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0307632-01	177	500	674	99.4%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0307632-01	177	500	674	99.4%	0.%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0007031-04		5000	4960	99.2%	

PAGE: / OF: / ANALYSIS REQUEST	(Circle or Specify Method No.)	SC 20 20 20 20 20 20 20 20 20 20 20 20 20		999 997 997 997 997 997 997 997 997 997		المحال ال	birn (vepee birn (vepee yibpe Bete beer 908% beer 908% beer 908% beer 908% beer 200% beer 908% beer 908%							-2-2) 3 Say Prise BY: (Print & Sign) Date: 10/2/0)	SAMPLE SHIPPED BY: (Circle) ARBILL #	HAND DELIVERED UPS OTHER:	HIGHLANDER CONTACT PERSON: RUEH CANTER	It's Thurse Z Authoritand	14,5°C 402-glos
y Record	TAPP	• 1110/		15) 882-3946	PRESERVA		ICE HINO3 HCT LITLEMED (A	X						0. Date: 10-	Date: Time:	Date: Time:		(B :	REMARKS:
lain of Custod	PONMENTAL (DUMENTATION CONTRACT	as 79705	Fax (9	AGER: TKC Tucares	Spill 6154	Lea LOUATJ NIA IDENTIFICATION	te [0-1.0]						EPHNY KINUUS	. RECEIVED BY: (Signature)	RECEIVED BY: (Signature)	. RECEIVED BY: (Signature)	DATE	-Tater A-Air SD-Solid
it and Ch	R ENVII	10 N. Big S	dland, Texi	•	SITE MAN	NAME: 0-28	SAMPLE	COMPOJ.					1.1. 1 -	Date: / C/ C/ C/ C S Time: 4. 27 C	Date: Time:	Date: Time:	1 143 2F YCKAS	<u>/</u> Ш:	KATRUX:
vsis Reques	ICHI ANDE	181	Mi	82-4559	» Dy/re	:/713 PROVECT	ATTRIX COMP. MATRIX	X 5 00 / (011)						K, (Sugatistro)	Y: (Signation)	Y: (Signature)	MTORY: ENVICANTENTE	TATE: L	W WHEN RECEIVED:
Analy	[H	777		(815) 8	CLIENT NAME	PROJECT NO .:	C3V7633 LAB I.D. NUMBER DI	01 10					J	BE GENELING HERE	RELINQUISHED BY	A CANADARIA	RECEIVING LABOR	CUTY: 6 JP550	SAMPLE CONDITIO

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

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