

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pGRL1116055984

1RP - 2648
TARGA MIDSTREAM SERVICES LLC

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

Printed Name: Ralph England

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 October 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 Contact: Ralph England Name of Company: Targa Midstream Services L.P. Address: P.O. Box 1689, Lovington, NM 88260 Telephone No.: 575-396-3221 Facility Name: Saunders Plant Facility Type: Gas Processing Surface Owner: Eidson Ranch Mineral Owner Lease No .: LOCATION OF RELEASE Feet from the North/South Line Feet from the East/West Line Unit Letter Section Township Range County P 27 16S 35E 114 SOUTH 136 EAST LEA Latitude: 32.886096 Longitude:-103.437356

NATURE OF RELEASE Volume Recovered: 0 Type of Release: Gas Release Volume of Release: Unknown Source of Release: 8" steel pipeline Date and Hour of Discovery: Date and Hour of Occurrence: Was Immediate Notice Given? If YES, To Whom? ☐ Yes ☐ No ☒ Not Required By Whom? Date and Hour: Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Leaking 8"steel pipeline, external corrosion. Remedial action: pipeline was temporarily repaired, isolated and taken out of service. Work is currently in progress to permanently repair pipeline by inserting 6" poly line inside existing 8" steel pipeline. Permanent repair will be completed by 11-9-2010. Upon completion of pipeline repair, excavation will begin to clean leak site. Contaminated soil will be removed to an OCD approved landfarm, soil will be tested and new topsoil brought in to replace contaminated soil. Describe Area Affected and Cleanup Action Taken.* CLEAN UP ACTION: site was excavated and sampled by Targa and Whole Earth Environmental Inc., samples sent to Cardinal Labs in Hobbs. Field & lab results confirmed no further contamination. NMOCD approved closure. 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. OIL CONSERVATION DIVISION

Approved by District Supervisor:

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1625 N. French Dr., Hobbs, NM 88240
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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 October 10, 2003

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

Release Notification and Corrective Action

N	in I P	-	OPERA'				al Report	لنا	Final Rep
Name of Company: Targa Midstream Ser				alph England	2221			-	
Address: P.O. Box 1689, Lovington, NM	88260		The same of the sa	No.: (575) 396-					
Facility Name: Saunders Plant		1.	acinty Typ	e: Gas Process	ing				
Surface Owner: Eidson Ranch	Mineral Ow	vner				Lease N	No.		
				NEAR	of ma	WD SAVI	WOORS #	1004	
	LOCAT	LION	OF RE	LEASE API				00-1	00
Unit Letter Section Township Range	Feet from the	North/S	South Line	Feet from the	East/	West Line	County		
I (15)(27) 16S 35E					1				
NUNOTES BREAK Latitud	le32.89278		Longitude	e_103.44018_					
LINE	BY A THIS	TTO TO 4	OF REL	PACE					
	NAIU	RE				Mahama F	2	2	
Type of Release: Gas release Source of Release: 8" steel pipeline				Release: Unkno		-	Recovered: (
Source of Release: 8 steel piperine			Unknown	iour or occurrent	JC.	Date and	nom of Dis	covery	
Was Immediate Notice Given?	2 1 1		If YES, To	Whom?					
	☐ No 🖾 Not Requ	uired							7
By Whom?			Date and I-	lour					
Was a Watercourse Reached?			If YES, Vo	olume Impacting	the Wat	ercourse.			
☐ Yes	⊠ No								
If a Watercourse was Impacted, Describe Fully									
Describe Cause of Problem and Remedial Action Cause: Leaking 8" steel pipeline, external corrections Remedial Action: Pipeline was temporarily research.	rosion.	aken ou	at of service.	Work is current	ly in pro	ogress to pe	rmanently re	epair pi	peline by
Cause: Leaking 8" steel pipeline, external corr Remedial Action: Pipeline was temporarily re- inserting 6" polyethylene pipe inside existing 8	osion. paired, isolated and ta "steel pipeline. Perm						rmanently re	epair pi	peline by
	paired, isolated and ta "steel pipeline. Pern aken.*	manent	repair will b	be complete by 11	1/9/2010).	-		
Cause: Leaking 8" steel pipeline, external corrections. Pipeline was temporarily representing 6" polyethylene pipe inside existing 8. Describe Area Affected and Cleanup Action Tallupon completion of pipeline repair, excavation	paired, isolated and ta "steel pipeline. Permaken.* awill begin to clean le contaminated soil. we is true and complet and/or file certain release of a C-141 report by investigate and rem	eak site	e best of my tifications at NMOCD m contaminati	knowledge and und perform correcarked as "Final Root that pose a thr	removed understa	nd that pursions for relidoes not reliround water	suant to NM eases which ieve the oper	OCD r may er rator of	n, soil will ules and ndanger liability man health
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Cause: Leaking 8" steel pipeline, external corresponding to the control of the co	paired, isolated and ta "steel pipeline. Permaken.* awill begin to clean le contaminated soil. we is true and complet and/or file certain release of a C-141 report by investigate and rem	te to the ease no by the hediate port do	e best of my tifications at NMOCD m contaminati es not reliev	knowledge and und perform correct arked as "Final Ron that pose a three the operator of	removed andersta ctive act teport" (eat to grespons SERV	nd that pursions for relidoes not reliround water libility for conditions for the libility for	D approved la suant to NMi eases which ieve the oper r, surface wa	OCD remay enator of the reator	n, soil will ules and ndanger liability man health
Cause: Leaking 8" steel pipeline, external corresponding to the existing 8" polyethylene pipe inside existing 8" Describe Area Affected and Cleanup Action To Upon completion of pipeline repair, excavation to tested and new topsoil brought in to replace thereby certify that the information given above regulations all operators are required to report a public health or the environment. The acceptant should their operations have failed to adequate the environment. In addition, NMOCD acceptant, state, or local laws and/or regulations. Signature: Lall England Fitle: Field Supervisor E-mail Address: REngland@targaresources.co	paired, isolated and ta paired, isolated and ta "steel pipeline. Pern aken.* I will begin to clean le contaminated soil. The is true and complete ince of a C-141 report by investigate and remote the properties of a C-141 report.	te to the ease no by the nediate port do	e best of my stifications as NMOCD m contaminati es not reliev	knowledge and und perform correct arked as "Final Ron that pose a three the operator of OIL CON ENV ENGINE	removed andersta ctive art to go respons	i to an OCI and that puritions for relidoes not reliability for conditions. ATION Expiration	Dapproved la suant to NM eases which ieve the open r, surface wa compliance w	OCD remay en rator of ter, hu vith any	n, soil will ules and ndanger liability man health
Cause: Leaking 8" steel pipeline, external corrections of polyethylene pipe inside existing 8 Describe Area Affected and Cleanup Action To Describe Affected and Cleanup Action	paired, isolated and ta paired, isolated and ta "steel pipeline. Pern aken.* I will begin to clean le contaminated soil. The is true and complete ince of a C-141 report by investigate and remote the properties of a C-141 report.	te to the case no by the nediate port do	e best of my stifications as NMOCD m contaminati ses not reliev	knowledge and und perform correctarked as "Final Ron that pose a three the operator of OIL CON ENVENCINE Supervisite: KILLS \ \(\) (O	removed andersta active act to great to grespons	nd that purstions for relidoes not reliability for control water ibility for control water ibili	Dapproved la suant to NM eases which ieve the oper r, surface was compliance w	OCD remay en rator of ter, hu vith any	m, soil will ules and ndanger f liability man health y other



June 14, 2011

NMOCD 1625 No. French Dr. Hobbs, NM 88241

Attn: Geoffrey Leking

Reference: 1RP-2648 Targa Eidson Ranch LC-61 #1

Dear Mr. Leking:

Enclosed, please find a final copy of our remediation report for the Targa Midstream Services L.P. Eidson Ranch LC-61 #1 located in Lea County, New Mexico.

Thank you again for the opportunity of working with you on this project.

Warmest personal regards,

Mike Griffin President Whole Earth Environmental, Inc.



Executive Summary Targa Eidson Ranch LC-61 #1 Remediation Project 1RP-2648

Location

The site is located approximately 6.37 miles southwest of the City of Lovington, Lea County, New Mexico on private land owned by the Eidson Ranch Estate and operated by Ranch Foreman Arzell Sellers. The primary land use is grazing of cattle however extensive oil and gas operations are prevalent in the area. The area is semi-arid with a net precipitation / evaporation amount of -73" per year. The legal description for the site is: SE/SE1/4 UL/P S27, T16S, R35E, GPS Lat & Lon WGS84(Decimal) N32.886096 / W103.47356. Depth to groundwater was confirmed at an active stock windmill with a pond located 1,378' south southeast of site. Water depth is 52.8'bleow ground surface.

History

Targa was approached by the Eidson Ranch Foreman on 4 historic release sites that needed to be cleaned up. Site #1 is located on an active 8" steel line which has been slip-lined with 6"ploy pipe. Targa's policy being pro-environmental initiated the investigation and excavation of the sites. After the site was excavated to a reasonable size approx. 30'L x 30'W x 10'D, Whole Earth Environmental Inc. was contracted to finish delineation of the sites. All excavated material from the site was hauled off from the site using a dirt contractor hired by Targa (Watson Construction Co.). Material was hauled to the JAY-DAN Surface Waste Management Facility Permit # NM 1-045.

Delineation Activities

The spill was an old historic leak, with the surrounding area of the pipeline spill being barren and with little to no vegetation growth. Site was excavated and material excavated from site was sent to an approved NMOCD Disposal site Jay-Dan Surface Waste Management Facility Permit # NM 1-045. The total amount of material

excavated and sent to disposal for this site was approx. 360 cyds. After excavation of the spill site Whole Earth Environmental Inc. was contracted to assess the site for further delineation if needed. The site was initially sampled by Targa with samples being sent to Cardinal Labs in Hobbs for confirmation. Whole Earth Environmental Inc. re-sampled the site in accordance to NMOCD sampling procedure and sent the samples to the lab for confirmation. Lab results indicated no contamination and NMOCD was approached with the results. NMOCD indicated it was satisfied with the field and lab results and the site could be backfilled as needed and

Remediation

No remediation was required to be performed on this site. The site was backfilled with material from the Eidson Ranch caliche pit, walked down for compaction with the last top 1' being backfilled with topsoil also obtained from the Eidson ranch.



Exhibit Index

- 1. Initial C-141
- 2. Driving Directions Sat. View
- 3. Sat. View close up with excavation dimensions
- 4. NMOCD Assessment Ranking Criteria
- 5. Summary of Soil Sample Analysis
- 6. Photo View of North Wall Sample pt.
- 7. Photo View of Caliche backfill
- 8. Photo View of Caliche backfill prior to Topsoil
- 9. Photo View of Site Backfilled & Completed
- 10. Final C-141





SITE ASSESMENT CRITERIA (NMOCD)

TARGA

EIDSON RANCH LC-61 #1

SE/SE1/4 UL/P SEC 27 - T16S - R35E

GPS LAT & LON NAD27 (DECIMAL) N32.886096 / W103.437356

DTW: 52.8'BGS WINDMILL 1365' SW OF SITE

D	EPTH TO GR	OUND WATER	3	
(Vertical distance from conta	minants to seasonal h	igh water elevation of	ground water.)	
Less than 50' BGS	(20 points)		,	
50' to 99' BGS	(10 points)			
Greater than 100' BGS	(0 points)	20		
W	ELLHEAD PRO	TECTION AREA	A	
(Less tan 200' from a private	domestic water source	e, or; less than 1000' fr	om all other water se	ources)
YES	(20 points)			
NO	(0 points)	0		
DISTA	NCE TO SURF	FACE WATER B	ODY	
(Horizontal distance to peren	nial lakes, ponds, rive	ers, streams, creeks, irri	gation canals, and d	itches)
Less than 200'	(20 points)			
200' to 1000'	(10 points)			
Greater than 1000'	(0 points)	0		
RANKING SCOR	RE TOTAL POINTS	20		
CLEAN - UP TARC	ET CONCENT	RATIONS FOR	'SITE CLOSU	RE"
IF RANKING SCORE IS:	> 19	10 - 19	0 - 9	
BENZENE (ppm)*	10	10	10	
BTEX (ppm)*	50	50	50	
TPH (ppm)**	100	1000	5000	
*A field vapor headspace me	asurement of 100 ppr	n may be substituted fo	r a laboratory analys	sis
** The contaminant concentr				,15.

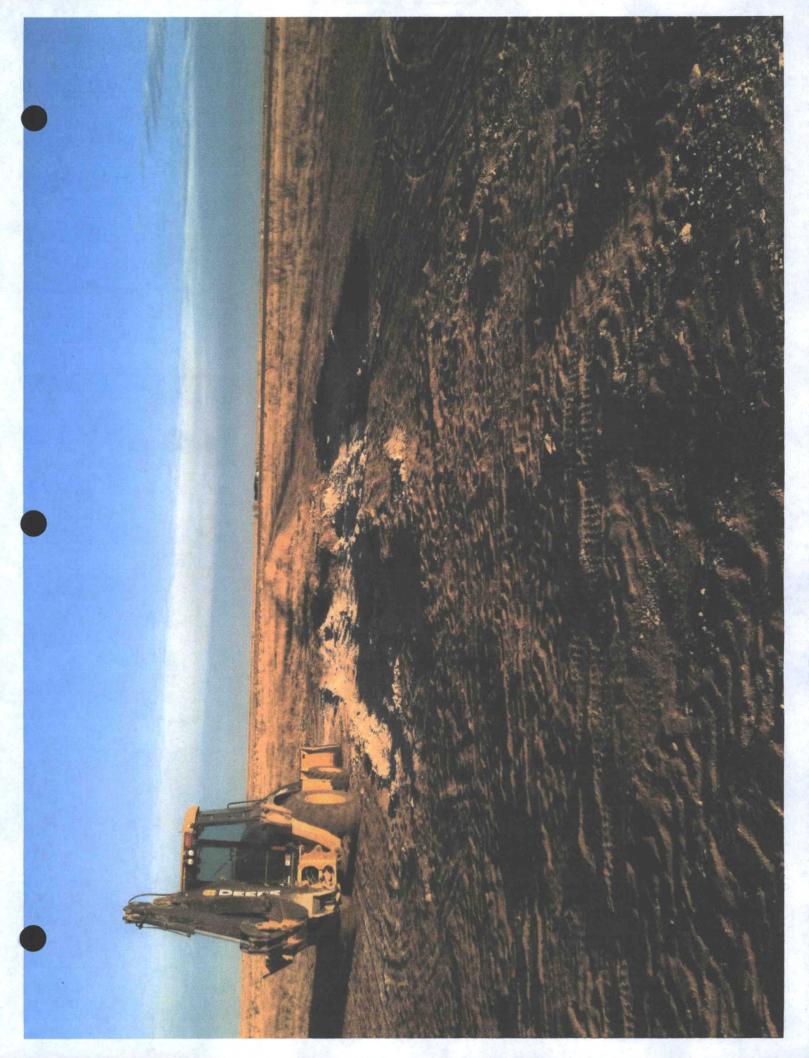
Summary of Excavation Soil Sample Analytical Results

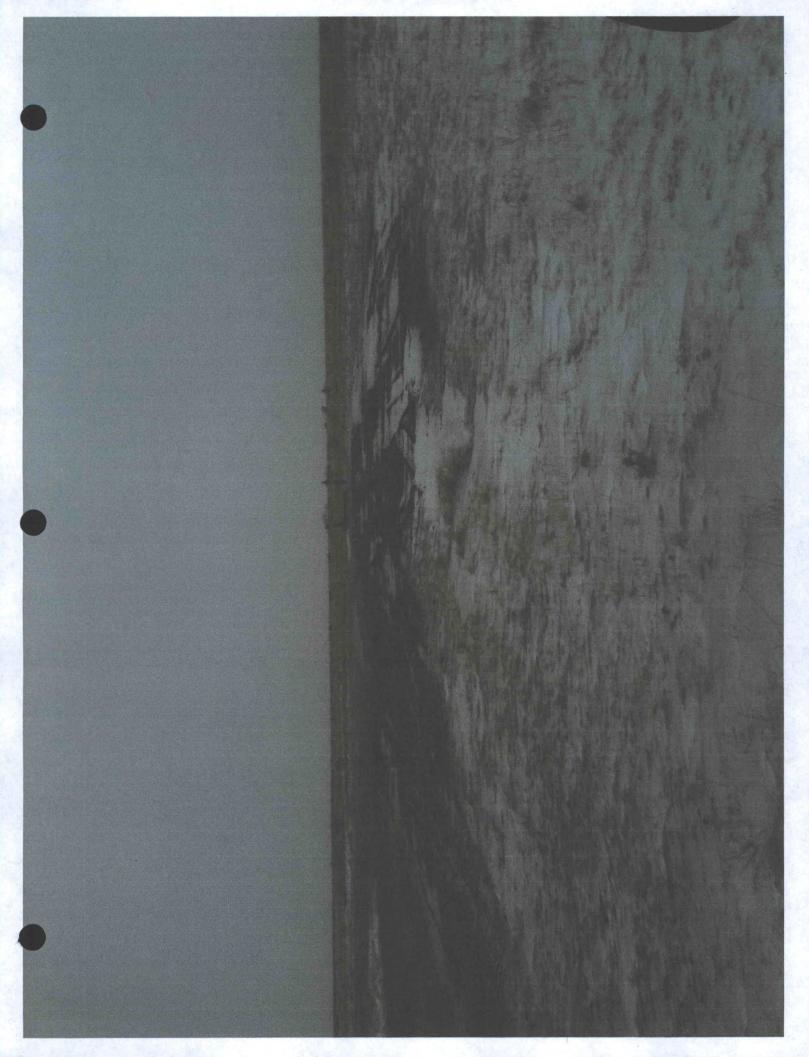
DEPTH TO GROUND WATER MEASURED AT WINDMILL S. OF #4 @ 52.8' BGS Targa Eidson Ranch LC-61 #1

Chloride (mg/Kg)					<16.0
Carbon Ranges (C10-C28) (mg/Kg)	24.2	<10.0	<10.0	<10.0	<50.0
Carbon Ranges (C6-C10) (mg/Kg)	<10.0	<10.0	<10.0	<10.0	<\$0.0
Ethyl- Total benzene Xylenes (mg/Kg)	<0.300	<0.300	<0.300	<0.300	7.12
Ethyl- benzene (mg/Kg)	<0.100	<0.100	<0.100	<0.100	0.402
Toluene (mg/Kg)	<0.100	<0.100	<0.100	<0.100	0.560
Field Chloride Benzene Toluene Analysis (mg/Kg) (mg/Kg)	<0.100	<0.100	<0.100	<0.100	<0.100
Field Chloride Analysis (ppm)					
PID Reading (ppm)					
Soil Status	11/10/10 thistin arch	msitu, grav		insitu grab hand auger	
Sample Date	01/10/10	11/12/10		1/2/11	
Depth (Feet)	E. & W wall	01,02	N. wall H100029-01	S. wall H100029-02	Bottom H100029-03
Soil Sample ID. Depth (Feet)	1.6.61 #1	1 1 1 2 2 3		LC-61#1	











November 29, 2010

RALPH ENGLAND

TARGA MIDSTREAM - LOVINGTON

P. O. BOX 1689

LOVINGTON, NM 88260

RE: EIDSON RANCH

Enclosed are the results of analyses for samples received by the laboratory on 11/19/10 12:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



TARGA MIDSTREAM - LOVINGTON RALPH ENGLAND P. O. BOX 1689 LOVINGTON NM, 88260 Fax To: (575) 396-7702

Received:

11/19/2010

Reported:

11/29/2010

Project Name: Project Number: EIDSON RANCH NONE GIVEN

Project Location:

LEA CO., LC-61

Sampling Date:

11/19/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: #1 EAST (H021346-01)

BTEX 8260B	mg	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/25/2010	ND	2.28	114	2.00	1.13	
Toluene*	<0.100	0.100	11/25/2010	ND	2.15	108	2.00	0.572	
Ethylbenzene*	<0.100	0.100	11/25/2010	ND	2.28	114	2.00	0.832	
Total Xylenes*	<0.300	0.300	11/25/2010	ND	7.00	117	6.00	0.643	
Surrogate: Dibromofluoromethane	89.0	% 80-120							
Surrogate: Toluene-d8	90.9	% 80-120							
Surrogate: 4-Bromofluorobenzene	92.4	% 80-120							
TPH 8015M	mg	/kg	Analyze	d By: AB			1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2010	ND	204	102	200	15.6	,
DRO >C10-C28	24.2	10.0	11/25/2010	ND	201	100	200	8.12	
Surrogate: 1-Chlorooctane	87.3	% 70-130							
Surrogate: 1-Chlorooctadecane	84.4	% 70-130							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed varied unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



TARGA MIDSTREAM - LOVINGTON RALPH ENGLAND P. O. BOX 1689 **LOVINGTON NM, 88260** Fax To: (575) 396-7702

Received:

11/19/2010

Reported:

11/29/2010

Project Name: Project Number: **EIDSON RANCH** NONE GIVEN

Project Location:

Sampling Date:

11/19/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

LEA CO., LC-61

Sample ID: #1 WEST (H021346-02)

BTEX 8260B	mg/l	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/25/2010	ND	2.28	114	2.00	1.13	
Toluene*	<0.100	0.100	11/25/2010	ND	2.15	108	2.00	0.572	
Ethylbenzene*	<0.100	0.100	11/25/2010	ND	2.28	114	2.00	0.832	
Total Xylenes*	<0.300	0.300	11/25/2010	ND	7.00	117	6.00	0.643	
Surrogate: Dibromofluoromethane	90.9 %	6 80-120							
Surrogate: Toluene-d8	91.0%	6 80-120							
Surrogate: 4-Bromofluorobenzene	94.3 %	6 80-120							
TDH 9015M	ma/l	· ·	Analyza	d Rv. AR					

TPH 8015M	mg	/kg	Analyze	ed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2010	ND	204	102	200	15.6	
DRO >C10-C28	<10.0	10.0	11/25/2010	ND	201	100	200	8.12	
Surrogate: 1-Chlorooctane	74.6	% 70-130	0					-	

73.9 % 70-130 Surrogate: 1-Chlorooctadecane

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*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for neglin unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, artifliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	Symbol - Sounders	David Syan		ANALYSIS RE	REQUEST
Project Manager:	L		P.O. #:		
Address: P.O	6291 409·0		Company:	10	
city: LOU	ington	State: NM Zip: 382100	Attn:	Ray 3 4	
Phone #:	322		Address:	1/2	-
Project #:	Project Owner:		City:	SP	
ame:	Eidson Ranch	Cleanus	State: Zip:	la	
Project Location:	Lea l'	C-61	Phone #:	dea	
Sampler Name:	Alfredo Corr	al a	Fax #:	Add	
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING	-/	
		RS		**************************************	
Lab I.D.	Sample I.D.	(G)RAB OR # CONTAIN GROUNDV WASTEWA SOIL OIL SLUDGE	OTHER: ACID/BASE ICE / COOL OTHER: DATE	TPH	
1-91E12H	#1 East	=			
2	#1 West	-			
W	#2 East	-			
7	#2 west	-			
C	# 5 Fast	-			
0	# 3 West	-	\ \ \	-	
PLEASE NOTE: Liability an analyses. All claims includin	PLEASE NOTE: Liability and Danages. Cardina's liability and client's exclusive remedy for any delm arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligenous and any other cause whatboaver shall be deemed waived unless made in wittin and received by Cardinal wittin 30 days after completion of the applicable.	y claim arising whether based in contract semed waived unless made in writing and	or tort, shall be limited to the amount paid by the clien	for the	

Relinguished By Sampler - UPS - Bus - Other: Delivered By: (Circle One) Time: Received By: CHECKED BY: dembria targaresources com ban Embry Rengland otorganesources, com Add'l Phone #
Add'l Fax #:

ardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



January 04, 2011

ROY R. RASCON

WHOLE EARTH ENVIRONMENTAL, INC.

2103 ARBOR COVE

KATY, TX 77494

RE: TERLC-61

Enclosed are the results of analyses for samples received by the laboratory on 12/29/10 16:18.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



WHOLE EARTH ENVIRONMENTAL, INC. ROY R. RASCON 2103 ARBOR COVE KATY TX, 77494

Fax To:

(281) 394-2051

Received:

12/29/2010

Reported:

01/04/2011

Project Name:

TERLC-61 NONE GIVEN

Project Number: Project Location:

LOVINGTON, NM

Sampling Date:

12/29/2010

Sampling Type:

Water

Sampling Condition:

** (See Notes)

Sample Received By:

Jodi Henson

Sample ID: WINDMILL EIDSON (H021621-01)

Result							the state of the s	
	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.001	0.001	12/30/2010	ND	0.050	101	0.0500	1.73	
<0.001	0.001	12/30/2010	ND	0.049	98.1	0.0500	1.38	
<0.001	0.001	12/30/2010	ND	0.049	97.8	0.0500	0.494	
<0.003	0.003	12/30/2010	ND	0.143	95.5	0.150	1.60	
107 %	80-120							,
mg/l		Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
36.0	4.00	12/30/2010	ND	108	108	100	0.00	
	<0.001 <0.001 <0.003 107 % mg/L	<0.001 0.001 <0.001 0.001 <0.003 0.003 107 % 80-120 mg/L Result Reporting Limit	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Cardinal Laboratories

*=Accredited Analyte

ever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, on, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240

(325) 673-7001 FAX (325)673-7020 (505) 393-2326 FAX (505) 393-2476

Company Name:	WHOLE EARTH ENVIRONMENTAL INC.	TH EN	VIRON	MENT	AL INC	**			70/P3 200/4	100	BILL TO	. 70	in it				ANA	ITASIS	ANALYSIS REQUEST	EST				Γ
Project Manager:	×	OV R.	ROY R. RASCON	Z				a.	P.O. #:						r	H	H	H	-	L		H	H	Г
Address:	THE PARTY OF THE P							O	Company:	y:								_		-			-	
Clity:	State:		Zip:					_ <	Attn:									-	_				-	-
Phone #:	Fax #:							Į ₹	Address:					_				-		engenerates by		-	-	-
Project Owner:	the second commence of							O	City:							-		-		prosedute.				-
Project Name:		TERLC-61	C-61					S	State:		Zip:						_							-
Project Location:	The state of the s	LOVIN	LOVINGTON					Δ.	Phone #:										-				-	
Sampler Name:	RO	Y R. R.	ROY R. RASCON					1	Fax #:															
		-	2	L	-	MATRIX	×	1	a	PRESERV	Α.	SAM	SAMPLING	_					_			_		_
FOR LAB USE ONLY LAB ID #	SAMPLE I.D.	710(3) ao a va(3)	(G)RAB OR (C)OM	GROUNDWATER	WASTEWATER	TIOS	ОІТ	STADGE	OTHER:	ICE / COOF	OTHER:	DATE	TIME	CATS & ANS	Hd	BTEX	CF	1,814 HTT M2108						
H21621-14-C	WINDMILL EIDSON		G 3	×	\dashv			П		X		12/29/10	1130			×	×							
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PIEANE NOTE: Liability and Damaoes Cardinal's liability and client's exclusive remedy for any claim arising whether hased in contract or tort shall be limited to the amount naid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries.

Affiliates or successors arising out of or related reasons or otherwise.

Page due to the profits and the profits incurred by the above stated reasons or otherwise.

Page due to the profits and the profits and the profits and the profits are profits and the profits are profits.

Received By:

Received By:

Result: Yes No Add'I Fax #:

CHECKED BY: Intact Cool Yes Sample Condition seeived By: S. I Kimer 1 1.8 Time: Date: ROY R. RASCON
Relinquished Bv: Samplet - UPS - Bus - Other: Delivered By: (Circle One)

REMARKS: PLEASE E-MAIL TO: royr, mikeg, elliotw, & mcgriffin@vadose.us

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#26



January 12, 2011

ROY R. RASCON

WHOLE EARTH ENVIRONMENTAL, INC.

2103 ARBOR COVE

KATY, TX 77494

RE: TERLC-61

Enclosed are the results of analyses for samples received by the laboratory on 01/06/11 8:30.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



WHOLE EARTH ENVIRONMENTAL, INC. ROY R. RASCON 2103 ARBOR COVE KATY TX, 77494

Fax To:

(281) 394-2051

Received:

01/06/2011

Reported:

01/12/2011

Project Name:

T E R LC-61

Project Number: Project Location: NONE GIVEN

LOVINGTON, NM

Sampling Date:

01/05/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: NORTH WALL (H100029-01)

BTEX 8260B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/11/2011	ND	1.97	98.5	2.00	4.07	
Toluene*	<0.100	0.100	01/11/2011	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.100	0.100	01/11/2011	ND	2.11	105	2.00	2.72	
Total Xylenes*	<0.300	0.300	01/11/2011	ND	5.70	95.0	6.00	0.860	
Surrogate: Dibromofluoromethane	114	% 80-120							
Surrogate: Toluene-d8	114	% 80-120							
Surrogate: 4-Bromofluorobenzene	102 9	% 80-120							
TPH 8015M	mg/	'kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.93	
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	232	92.8	250	6.25	
Surrogate: 1-Chlorooctane	83.1	% 70-130							
Surrogate: 1-Chlorooctadecane	88.5	% 70-130							

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WHOLE EARTH ENVIRONMENTAL, INC. ROY R. RASCON 2103 ARBOR COVE KATY TX, 77494

Fax To: (281) 394-2051

Received:

01/06/2011 01/12/2011

Reported: Project Name:

TERLC-61 NONE GIVEN

Project Number: Project Location:

LOVINGTON, NM

Sampling Date:

01/05/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SOUTH WALL (H100029-02)

BTEX 8260B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/11/2011	ND	1.97	98.5	2.00	4.07	
Toluene*	<0.100	0.100	01/11/2011	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.100	0.100	01/11/2011	ND	2.11	105	2.00	2.72	
Total Xylenes*	<0.300	0.300	01/11/2011	ND	5.70	95.0	6.00	0.860	
Surrogate: Dibromofluoromethane	111 9	% 80-120							
Surrogate: Toluene-d8	109	% 80-120							
Surrogate: 4-Bromofluorobenzene	104	% 80-120							
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.93	
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	232	92.8	250	6.25	
Surrogate: 1-Chlorooctane	77.3	% 70-130							
Surrogate: 1-Chlorooctadecane	77.8	% 70-130							

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WHOLE EARTH ENVIRONMENTAL, INC. ROY R. RASCON 2103 ARBOR COVE KATY TX, 77494

Fax To:

(281) 394-2051

Received:

01/06/2011

Reported: Project Name: 01/12/2011 T E R LC-61 NONE GIVEN

Project Number: Project Location:

LOVINGTON, NM

Sampling Date:

01/05/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BOTTOM @ 11' BGS (H100029-03)

BTEX 8260B	mg	kg	Analyze	ed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/11/2011	ND	1.97	98.5	2.00	4.07	
Toluene*	0.560	0.100	01/11/2011	ND	2.16	108	2.00	0.696	
Ethylbenzene*	0.402	0.100	01/11/2011	ND	2.11	105	2.00	2.72	
Total Xylenes*	7.12	0.300	01/11/2011	ND	5.70	95.0	6.00	0.860	
Surrogate: Dibromofluoromethane	111	% 80-120)						
Surrogate: Toluene-d8	144	% 80-120)						
Surrogate: 4-Bromofluorobenzene	138	% 80-120							
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: LR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/07/2011	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/11/2011	ND	250	100	250	4.93	
DRO >C10-C28	<50.0	50.0	01/11/2011	ND	232	92.8	250	6.25	
Surrogate: 1-Chlorooctane	105	% 70-130	1					-	
Surrogate: 1-Chlorooctadecane	110	% 70-130							

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Notes and Definitions

Z-01	Surrogates failed QC limits (high) due to objective matrix interference.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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(325) 673-7001 FAX (325)673-7020 (505) 393-2326 FAX (505) 393-2476

Company Name:	WHOLE EARTH ENVIRONMENTAL INC	I ENV	IRONA	MENT	AL INC			et lace	(5)	100	BILL	BILL TO					AN	ALYSE	ANALYSIS REQUEST	UEST			
Project Manager:		YR. R	ROY R. RASCON	Z				9.	P.O. #:					L		-	1	-	-		-	H	Γ
Address:								Ö	Company:	y:						-						-	
City:	State:		Zip:					V	Attn:								-	-				-	
Phone #:	Fax#:				-			Y	Address:					_				-				wayer	
Project Owner:								O	City:					1				-					
Project Name:	TE	TERLC-61#1	1#19					S	State:		Zip:												
Project Location:	And the fill the contract of t	VINGI	LOVINGTON, NM	M				Д	Phone #:					_			-	_	-				
Sampler Name:	ROY I	ROY R. RASCON	SCON					F	Fax#;					_								-	Name of Street
		.q	_	Ц	-	TATRIX	×	-	P	PRESERV	٧.	SAM	SAMPLING	_			_				(parturqui)	-	
FOR LAB USE ONLY LAB ID #	SAMPLE LD.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	MASTEWATER	TIOS	OIT	SLUDGE	OTHER:	ICE / COOF	OTHER:	DATE	TIME	CVLS & VNS	Hd	BTEX	cr-	L.814 HqT M.8108					
HIODOSA	NWALL	9	-			х	-			×		1/2/11	1600			×	-	-			-	+	T
2	SWALL	C	-			×				×		1/2/11	1645			×		×			-	+	T
W	BOTTOM @ 11'BGS	O	340	1		×		+	+	×		1/2/11	1620			×	×	×			H		
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Regelved By:

R

Intact Sample Condition Cool 200 ceived Bv: Date: Time: O3 SC Time: 1/436m Sampler - UPS - Bus - Other: Delivered By: (Circle One)

REMARKS: PLEASE E-MAIL TO: royr, mikeg, elliotw, & mcgriffin@vadose.us Samples DIO 3

Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

のな事

CHECKED BY: