			HOBB	SOCD					
District I 625 N. French Dr., Hobbs, NM 88240		f New Mexico			Form C-				
<u>District II</u> 311 S. First St., Artesia, NM 88210	Energy Mineral	s and Natural Resources	FFR 0	6 2014	Re	evised August 8, 2			
District III	Oil Conse	ervation Division			to appropriat	te District Offic h 19.15.29 NM			
000 Rio Brazos Road, Aztec, NM 87410 District IV		th St. Francis Dr.			cordance with	h 19.15.29 NM			
220 S. St. Francis Dr., Santa Fe, NM 87505		Fe, NM 87505	EIVED						
n a stand die en		on and Corrective A	Action						
		OPERATOR	[Initia	l Report	🛛 🛛 Final Re			
Name of Company Apache Corpor		Contact Bruce Baker							
Address PO BOX 1849, Eunice, NM 8	38231		394-1503						
Facility Name NEDU #926		Facility Type Production	n Well						
Surface Owner Stephens	Mineral Owner	State		API No	. 30-025-3	4655			
	LOCATIO	ON OF RELEASE							
Unit Letter Section Township Ra	ange Feet from the Nort	h/South Line Feet from the	East/W	est Line	County				
N 23 21S	37E 1172	FSL 2424		371	Lea				
IN 25 215			Г	WL	Lea				
	Latitude	Longitude							
	NATUR	E OF RELEASE							
Type of Release Brine Water		Volume of Release 30 bb			ecovered 1				
Source of Release Illegal Dumping		Date and Hour of Occurren 1/30/12	nce	Date and	Hour of Disc	overy 1/30/12			
Was Immediate Notice Given?	···· ·	If YES, To Whom?							
. X	es 🗌 No 🗌 Not Require								
By Whom? Natalie Gladden		Date and Hour 1/30/12 8:50 am							
Was a Watercourse Reached?	Ves 🛛 No	If YES, Volume Impacting		course.					
Was a Watercourse Reached?	∕es ⊠ No			course.					
Was a Watercourse Reached?					= 60'				
Was a Watercourse Reached?	Fully.*	If YES, Volume Impacting			= 60`				
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NISAD1417752243

EXPLORING WHAT'S POSSIBLE

HOBBS OCD

FEB 06 2014

RECEIVED

APACHE CORPORATION

P.O.Box 1849 Eunice, NM 88231 Phone 575.394.3159

NEDU #926

Closure Report

API 30-025-34655

Release Date: January 30, 2012

Unit Letter N, Section 23, Township 21S, Range 37E

Rice Environmental Consulting & Safety

P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

June 25th, 2013

Geoffrey Leking New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau – District 1 1625 N. French Dr. Hobbs, NM 88240-9273

RE: TERMINATION REQUEST Apache – NEDU #926 AD UL/N sec. 23 T21S R37E API No. 30-025-34655

Mr. Leking:

Apache Corporation has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the site referenced above.

Background and Previous Work

The site is an illegal discharge of brine water by an unknown party at the NEDU #926. Fluids were located on the well pad and a portion of lease road located northeast of the well pad, and standing fluids were recovered. An initial form C-141 was submitted by Apache Corporation on February 27, 2012 (Appendix A). The site is located north of Eunice, in unit letters 'A, B, and N', section 23, T21S, R37E in Lea County, New Mexico. According to the New Mexico Office of the State Engineer and the United States Geological Survey (USGS), depth to groundwater in the area is approximately 50 ft bgs.

On January 25, 2012, RECS personnel initiated work on the NEDU #926 (Figure 1). Surface soil samples were collected from the well pad area and the road area and were field tested for chloride. Headspace measurements were also taken in the field using a Photo Ionization Detector (PID). The samples were submitted to a commercial laboratory for chloride analysis, and ranged from <16.0 ppm (parts per million or mg/kg) to 8,660 ppm (Appendix B).

The impacted areas were excavated from 6 inches below ground surface (bgs) to 2 ft. bgs. On February 1-2, 2012, RECS personnel collected and field tested samples from the excavations (Figure 2). Representative grab samples from the walls and bottoms of the excavations were submitted to a laboratory for chloride analysis. All samples yielded 80 ppm or less with the exception of the west wall of the 2' deep well pad excavation which contained 432 ppm.

Impacted soils were removed from the excavations and transported to a NMOCD approved disposal facility. The excavations were backfilled with clean soil (Appendix B) and leveled. See Appendix C for photographs of field activities.

Conclusion

Due to the removal of impacted soils, Apache submits the final C-141 (Appendix D) and respectfully requests the closure of the regulatory file for this site.

Apache Corporation appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 631-6432 if you have any questions or comments.

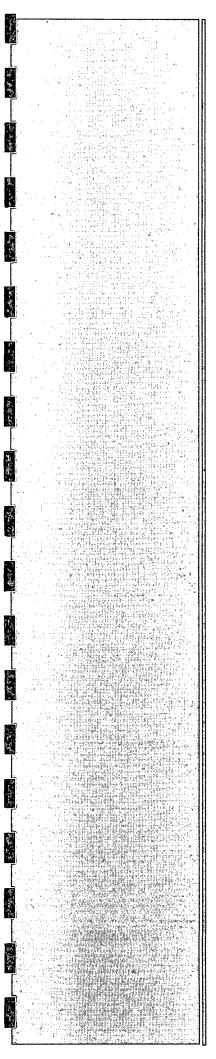
Sincerely,

AC.W-

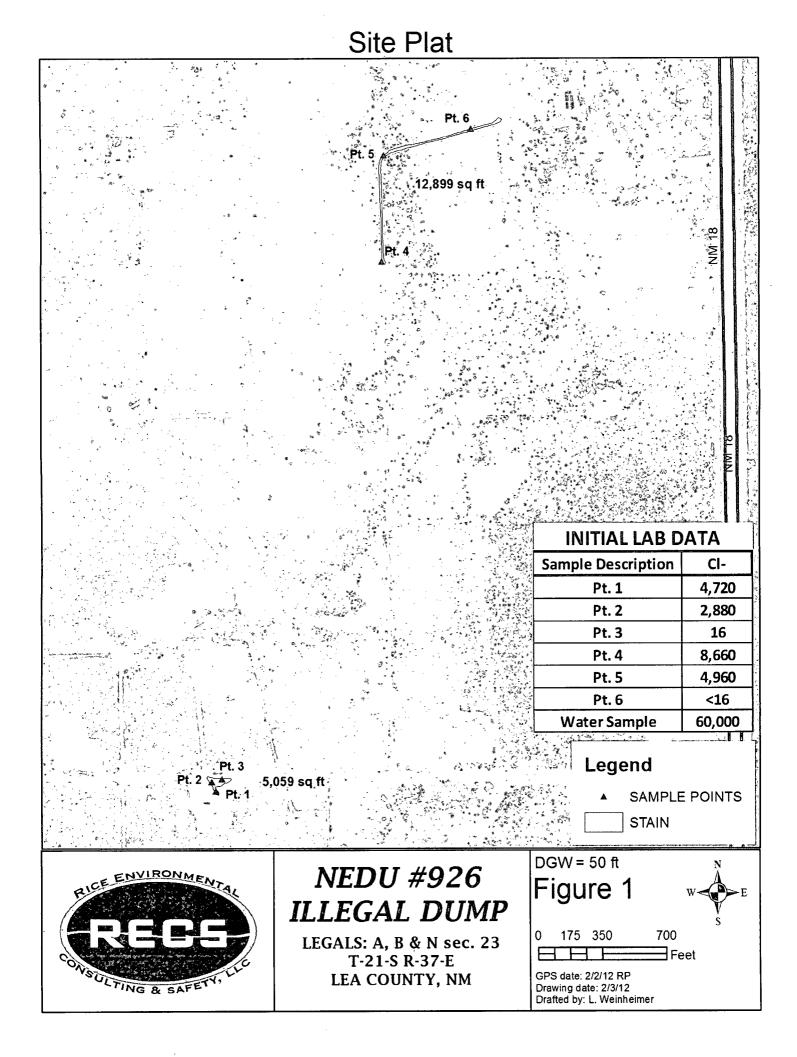
Lara Weinheimer Project Scientist RECS (575) 441-0431

Attachments:

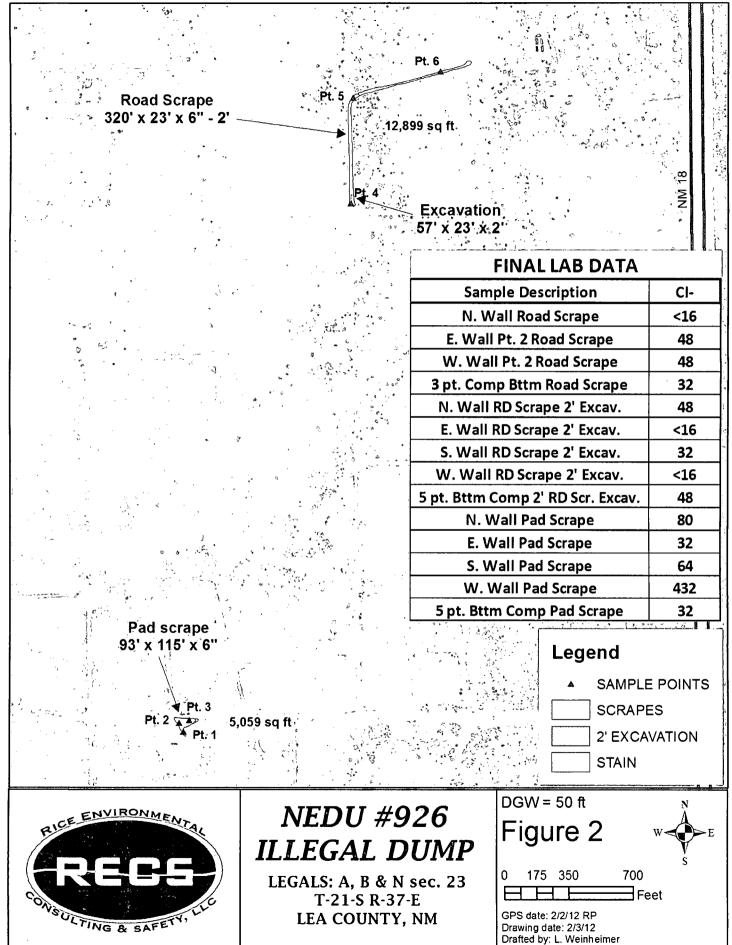
Figure 1:	Site Plat with Initial Lab Data
Figure 2:	Site Plat with Final Lab Data
Appendix A:	Initial Form C-141
Appendix B:	Laboratory Results
Appendix C:	Site Photographs
Appendix D:	Final Form C-141



Figures



Site Plat



Appendix A Initial Form C-141

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

1220 S. St. Fran	icis Dr., Santa	a Fe, NM 8750.	5	Sa	inta F	e, NM 875	05				side of form
			Rele	ease Notific				ction			
						OPERA	ГOR		🛛 Initia	al Report [Final Report
Name of Co	ompany A	pache Corpo	oration			Contact Natalie Gladden					
		Eunice NM	88231			Telephone No. 575-390-4186					
Facility Na	me NEDU	#926				Facility Typ	e Production W	Vell			
Surface Ow	mer Steph	ens		Mineral C)wner	State of NM			Lease N	No. 30-025-34	655
				LOCA		N OF RE	LEASE				
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	est Line	County	
N	23	215	37E	1172'	FSL		2424'	FWL		Lea	
L			La	titude		Longitud	le			· ·····	
						OF REL					
Type of Rele	ase Brine V	Water			UNE		Release 30		Volume I	Recovered 15	
Source of Re							Hour of Occurrence			Hour of Discov	ery
						1/30/12			1/30/12		
Was Immedi	ate Notice (Yes 🗌] No 📋 Not Re	equired	If YES, To Geoffrey I					
By Whom? 1	Natalie Glad	lden				Date and H	Iour 01/30/12 85	0am			
Was a Water	course Read		Yes 🗵	1 1		If YES, Vo	olume Impacting t	the Water	course.		
		pacted, Descr									
		em and Reme									
An unknown	party dump	bed brine wate	r on this l	ocation, Apache I	ane an	d a NEDU lea	se road.				
		and Cleanup A o NMOCD St		cen.*							
regulations a public health should their or the enviro	Il operators or the environment operations h nment. In a	are required t ronment. The ave failed to a	o report an acceptance adequately OCD accept	e is true and comp nd/or file certain r ce of a C-141 report v investigate and r otance of a C-141	elease i ort by th emedia	notifications a ne NMOCD m te contaminati	nd perform correct arked as "Final R on that pose a thr re the operator of	ctive action Report" do reat to gro responsib	ons for rel es not rel ound wate wility for c	eases which may ieve the operator, r, surface water, ompliance with	y endanger r of liability human health
Signature:		alie (Fil	adder			OIL CON	<u>SERV</u>	<u>ATION</u>	DIVISION	
Printed Name	e: Natalie (Gladden				Approved by	District Supervis	sor:			
Title: EHS I	Environmen	tal Tech				Approval Da	te:	E	xpiration	Date:	
E-mail Addro	ess: natalie.	gladden@apa	checorp.c	om		Conditions of	f Approval:			Attached]
Date: 2/27/	12	Phone	: 575-390-	4186							

* Attach Additional Sheets If Necessary

Appendix B Site Photographs

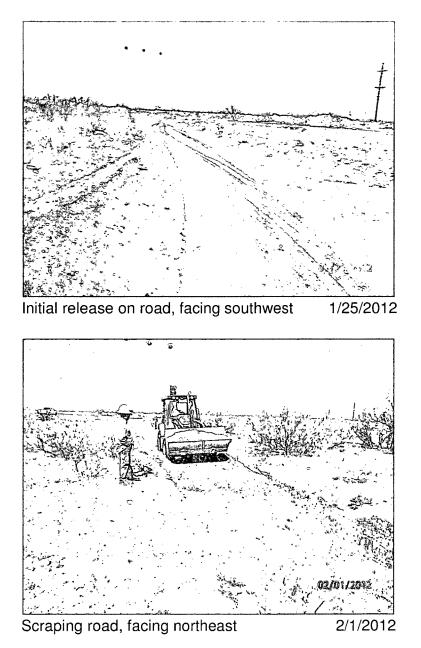
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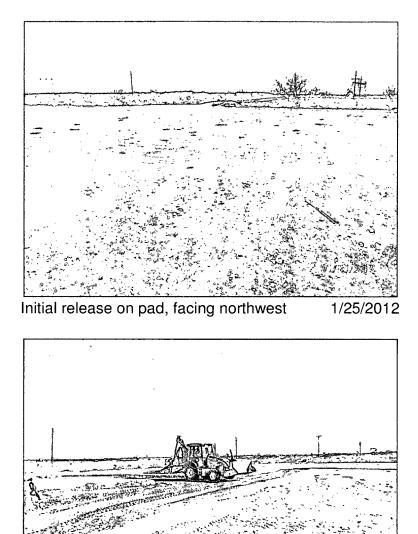
- 25-1- -

L. B. S. C.

NEDU #926 ILLEGAL DUMP

Unit A, B & N, Section 23, T21S, R37E





Scrape on pad, facing southeast

2/1/2012

2/01/201:



Exporting soil, facing southeast

2/2/2012

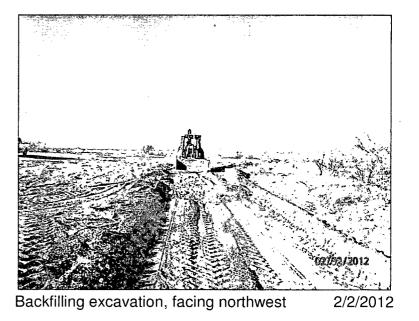


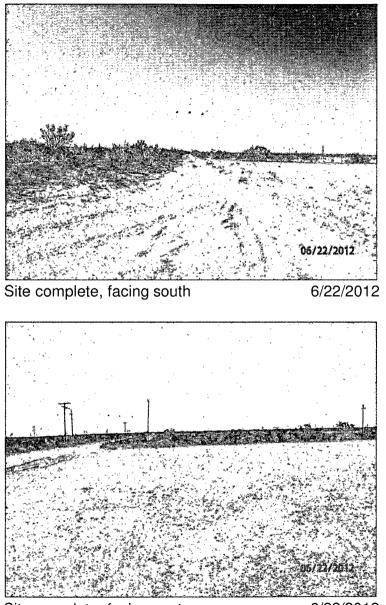
Importing backfill, facing west



Scraping road, facing northeast

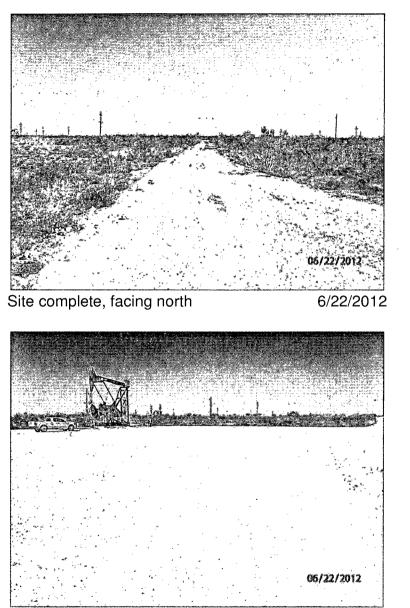
2/2/2012





Site complete, facing east

6/22/2012



Site complete, facing southwest

6/22/2012

Appendix C Laboratory Results



January 30, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: NEDU - ILLEGAL DUMP

Enclosed are the results of analyses for samples received by the laboratory on 01/25/12 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

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 (V1, 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:	01/25/2012	Sampling Date:	01/25/2012
Reported:	01/30/2012	Sampling Type:	Water
Project Name:	NEDU - ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NM		

Sample ID: WATER SAMPLE (H200190-01)

Chloride, SM4500CI-B	mg,	/L	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	60000	4.00	01/30/2012	ND	112	112	100	4.57	

Sample ID: PT 1 NEDU #926 PAD (H200190-02)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	01/27/2012	ND	432	108	400	3.77	

Sample ID: PT 2 NEDU #926 PAD (H200190-03)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	01/27/2012	ND	432	108	400	3.77	

Sample ID: PT 3 NEDU #926 PAD (H200190-04)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/27/2012	ND	432	108	400	3.77	

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*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:	01/25/2012	Sampling Date:	01/25/2012
Reported:	01/30/2012	Sampling Type:	Soil
Project Name:	NEDU - ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NM		

Sample ID: PT 4 ON ROAD (H200190-05)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	01/27/2012	ND	432	108	400	3.77	

Sample ID: PT 5 ON ROAD (H200190-06)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	01/27/2012	ND	432	108	400	3.77	

Sample ID: PT 6 ON ROAD (H200190-07)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/27/2012	ND	432	108	400	3.77	

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Celug D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

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Celeg Di Kune

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240	2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476	(325) 673-7001 FAX (325)673-7020

Company Name: Apache Corp.								<u>B</u>]	LL TO	•				1	ANAL	_YSIS	S RE	QUE	ST			
Project Manager: Natalie Gladden							D. #:				[(
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City: State: NM Zip:															Ч							
Phone #:	Phone #: Fax #:							Address:							ju j							
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t Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



February 9, 2012

Natalie Gladden Apache Corporation P.O. Box 1849 Eunice, NM 88231

Re: NEDU Illegal Dump

Enclosed are the results of analyses for samples received by the laboratory on 02/02/12 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred_certif.html.

Cardinal Laboratories is accredited 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 524.2	Regulated VOCs (V1, 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.

Thank you

Celey D. Keene Laboratory Director/Quality Manager

ANALYTICAL RESULTS FOR APACHE CORPORTATION ATTN: NATALIE GLADDEN P.O. BOX 1849 EUNICE, NM 88231

Receiving Date: 02/02/12 Reporting Date: 02/09/12 Project Owner: NOT GIVEN Project Name: NEDU ILLEGAL DUMP Project Location: EUNICE

LAB NUMBER SAMPLE ID

CARDINAL Laboratories

> Analysis Date: 02/06/12 Sampling Date: 02/01/12 & 02/02/12 Sample Type: SOIL Sample Condition: INTACT @ 21°C Sample Received By: JH Analyzed By: AP/HM

(mg/kg)

		_
H200264-1	N. WALL ROAD SCRAPE	< 16
H200264-2	E. WALL PT2 ROAD SCRAPE	48
H200264-3	W. WALL PT2 ROAD SCRAPE	48
H200264-4	3 PT COMP BTTM RD SCRAPE	32
H200264-5	N. WALL RD SCRAPE 2' EXCAV.	48
H200264-6	E. WALL RD SCRAPE 2' EXCAV.	< 16
H200264-7	S. WALL RD SCRAPE 2' EXCAV.	32
H200264-8	W. WALL RD SCRAPE 2' EXCAV.	< 16
H200264-9	5 PT BTTM COMP 2' RD SCR EXCAV.	48
H200264-10	N. WALL PAD SCRAPE	80
H200264-11	E. WALL PAD SCRAPE	32
H200264-12	S. WALL PAD SCRAPE	64
H200264-13	W. WALL PAD SCRAPE	432
H200264-14	5 PT BTTM COMP PAD SCRAPE	32
Quality Control		416
True Value QC		400
% Recovery		104
Relative Percer	nt Difference	3.8

METHOD: Standard Methods

4500-CI'B

Note: Analyses performed on 1:4 w:v aqueous extracts.

lin iemis

zlogh

H200264 APACHE

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 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, 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 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.



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Honder@rice-swD.com; Zconder@rice-ecs.com Lucinhulmer@rice-ess.com NGlodden@Apuchecorf.com

CHECKED BY: Sample Condition Cool Intact Yes Yes

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

Date: Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

21%



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Add'I Phone #: Add'I Fax #: Non-

101 East Marland, Hobbs, NM 88240

	(505) 393-2326 FAX (505) 393-247	5																					
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Appendix D Final Form C-141