



21 March 2016

Mr. Jamie Keyes  
Environmental Specialist  
NMOCD  
1625 North French Drive  
Hobbs, New Mexico 88240

**APPROVED**

RE: Remediation Progress Report and Closure Proposal  
Vanguard – Elliott B Federal  
UL-I, Section 6, Township 22 South, Range 37 East  
Lea County, New Mexico

Mr. Keyes:

The following *Remediation Progress Report and Closure Proposal* serves as a condensed update on remedial activities undertaken and closure proposal for the above referenced Site.

**Remediation Progress:**

From February 8 – 18, 2016 the release area was excavated. The area within the berm and on the pad was scraped up. The release area on the lease road was excavated to a depth of approximately one (1) foot bgs, where samples SP1 – SP3 were collected. The southern end of the lease road release area was excavated to a depth of approximately three (3) feet bgs, where sample SP4 was collected. All excavated soil has been placed on plastic and will be hauled to a state approved facility for disposal.

On February 23, 2016 EPI personnel mobilized on site to collect soil samples. A total of five (5) soil samples were collected from four (4) sample locations; SP1 – SP4. All samples were sent to Cardinal Labs for testing. Laboratory analytical results indicate the excavation is void of Benzene, BTEX, TPH and Chloride concentrations in excess of NMOCD Recommended Remedial Action Levels (RRALs) of 10 mg/Kg, 50 mg/Kg, 1,000 mg/Kg and 500 mg/Kg, respectively (reference *Figure 3* and *Table 2*).

**Closure Proposal:**

Based on laboratory analytical data indicating the excavation is void of contaminant concentrations in excess of NMOCD RRALs, EPI proposes to backfill the excavation with clean soil. All soil will be free of rocks, clumps, or deleterious material.

Backfilling will continue until the entire excavation is closed. Upon completion of backfill activities, the entire disturbed area will be contoured to blend with existing pad and lease road area and protected against wind/water erosion.

Following completion of closure activities, EPI will provide a detailed *Final Closure Report* to Vanguard and NMOCD personnel.



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Vanguard and EPI personnel would welcome an opportunity to briefly discuss the *Closure Proposal* at your earliest convenience. However, should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at [ddominguezepi@gmail.com](mailto:ddominguezepi@gmail.com) or Mr. JT Terry at (432) 362-2209 or via e-mail at [jterry@vnrlc.com](mailto:jterry@vnrlc.com). All official communication should be addressed to:

Mr. JT Terry  
Vanguard  
4001 Penbrook, Suite 201  
Odessa, Texas 79762

Sincerely,

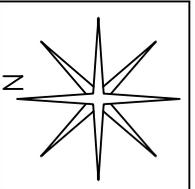
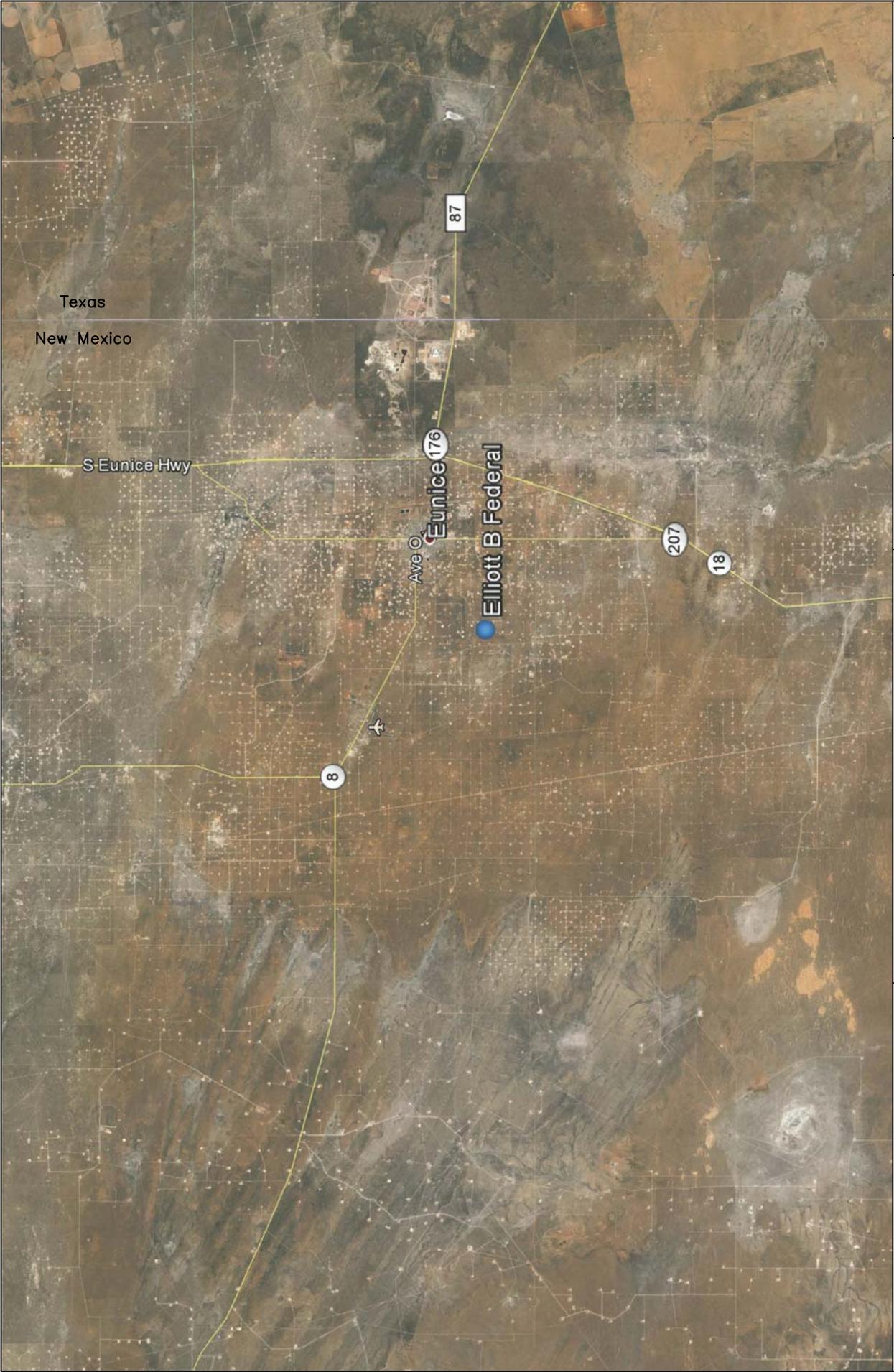
ENVIRONMENTAL PLUS, INC.

Daniel Dominguez  
Environmental Consultant

cc: JT Terry, Production Foreman – Vanguard  
File

Encl.: Figure 1 – Area Map  
Figure 2 – Site Location Map  
Figure 3 – Site/Sample Map  
Table 1 – Well Data  
Table 2 – Summary of Soil Sample Field Testing and Laboratory Analytical Results  
Attachment I – Photographs  
Attachment II – Laboratory Analytical Results  
Attachment III – Copy of Initial NMOCD Form C-141

## **FIGURES**



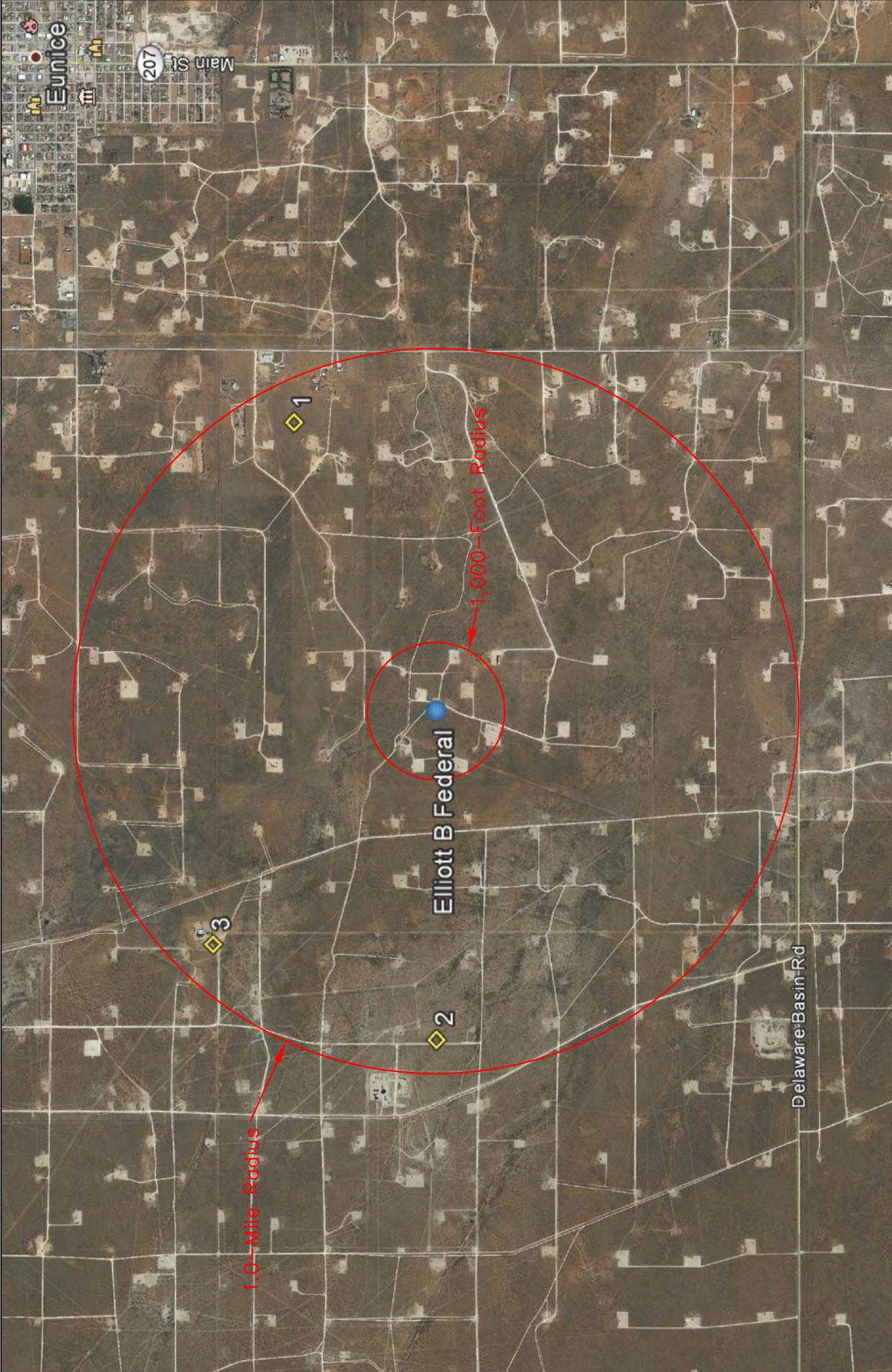
REVISED:

DWG By: D Dominguez February 2016	6	SHEET
	0 3 6	1 of 1

Miles

Lea County, New Mexico  
 NE 1/4 of SE 1/4, Sec. 6, T22S, R37E  
 N 32° 25' 2.41" W 103° 11' 52.22"  
 Elevation: 3,446 feet amsl

Figure 1  
 Area Map  
 Vanguard  
 Elliott B Federal



<p>Figure 2 Site Location Map Vanguard Elliott B Federal</p>	<p>Lea County, New Mexico NE 1/4 of SE 1/4, Sec. 6, T22S, R37E N 32° 25' 2.41" W 103° 11' 52.22" Elevation: 3,446 feet amsl</p>	<p>DWG By: D Dominguez February 2016</p>	<p>REVISED: 4,000 SHEET 1 of 1</p>
		<p>0 2,000 4,000 Feet</p>	



LEGEND

X SP1 Sample Location

DWG By: D Dominguez  
February 2016

REVISED:

0 125 250 Feet

SHEET  
1 of 1

N

Lea County, New Mexico  
NE 1/4 of SE 1/4, Sec. 6, T22S, R37E  
N 32° 25' 2.41" W 103° 11' 52.22"  
Elevation: 3,446 feet amsl

Figure 3  
Site/Sample Map  
Vanguard  
Elliott B Federal

## **TABLES**

**TABLE 1**  
**Well Data**

**Vanguard - Elliott B Federal**

Ref #	Well Number	Use	Diversion <sup>A</sup>	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Date Measured	Surface Elevation <sup>B</sup>	Depth to Water (ft bgs)
1	CP 00666	DOM	3	LARRY HENSON			2	5	22S	37E	671055	3588939	27-Aug-84	3,448	79
2	L 09966	PRO	0	DELTA DRILLING	1	2	2	2	17S	37E	667627	3588089	25-Nov-87	3,505	70
3	CP 01448	MON	0	REGENCY ENERGY PARTNERS	4	4	4	36	21S	36E	668136	3589337	05-Jan-15	3,486	--

\* = Data obtained from the New Mexico Office of the State Engineer Website ([http://iwaters.ose.state.nm.us:7001/iWATERS/wr\\_RegisServlet1](http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1)) and USGS Database

<sup>A</sup> = In acre feet per annum

<sup>B</sup> = Elevation interpolated from USGS topographical map based on referenced location.

DOM = 72-12-1 Domestic one household

PRO = 72-12-1 Prospecting or development of Natural Resource

MON = Monitoring Well

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are smallest to biggest

-- = Data not provided on the NM iwaters website

**TABLE 2**  
**Summary of Soil Sample Field Testing and Laboratory Analytical Results**  
**Vanguard**  
**Elliott B Federal**

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP1	1	In-Situ	23-Feb-16	3.3	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SP2	1	In-Situ	23-Feb-16	0.4	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
SP3	1	In-Situ	23-Feb-16	2.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SP4	1	Excavated	23-Feb-16	286	160	<0.050	0.109	2.36	7.25	9.72	306	3,220	<b>3,526</b>	128
	3	In-Situ	23-Feb-16	31.6	40	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
NMOCD Recommended Remedial Action Levels														
				100		10				50			1,000	500

--- = Not Analyzed

**Bold** values are in excess of NMOCD Recommended Remedial Action Levels

Shaded values indicates soil has been excavated

## **ATTACHMENTS**

**ATTACHMENT I**  
**Photographs**



Photograph #1 – Release with in containment berm.



Photograph #2 – Northerly view over release area.



Photograph #3 – Looking north across release area.



Photograph #4 – Looking east across release area.



Photograph #5 – Looking south across release area.



Photograph #6 – Looking south across release area.



Photograph #7 – Excavated



Photograph #8 – Excavated



Photograph #9 – Excavated



Photograph #10 – Excavated



Photograph #11 – Excavated



Photograph #12 – Excavated

**ATTACHMENT II**  
**Laboratory Analytical Results**



March 04, 2016

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: ELLIOTT B FEDERAL

Enclosed are the results of analyses for samples received by the laboratory on 03/02/16 15:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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](http://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 524.4	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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Environmental Plus, Inc.  
 Daniel Dominguez  
 P.O. Box 1558  
 Eunice NM, 88231  
 Fax To: (505) 394-2601

Received:	03/02/2016	Sampling Date:	02/26/2016
Reported:	03/04/2016	Sampling Type:	Soil
Project Name:	ELLIOTT B FEDERAL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-1, SEC. 6, T22S, R37E		

**Sample ID: SP 1 (1') (H600471-01)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2016	ND	2.04	102	2.00	0.850	
Toluene*	<0.050	0.050	03/03/2016	ND	2.00	99.8	2.00	0.844	
Ethylbenzene*	<0.050	0.050	03/03/2016	ND	1.79	89.5	2.00	0.0755	
Total Xylenes*	<0.150	0.150	03/03/2016	ND	5.43	90.5	6.00	0.845	
Total BTEX	<0.300	0.300	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 73.6-140

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	03/04/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	03/03/2016	ND	203	101	200	1.31	
DRO >C10-C28	<50.0	50.0	03/03/2016	ND	231	116	200	10.5	

Surrogate: 1-Chlorooctane 94.3 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Environmental Plus, Inc.  
 Daniel Dominguez  
 P.O. Box 1558  
 Eunice NM, 88231  
 Fax To: (505) 394-2601

Received:	03/02/2016	Sampling Date:	02/26/2016
Reported:	03/04/2016	Sampling Type:	Soil
Project Name:	ELLIOTT B FEDERAL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-1, SEC. 6, T22S, R37E		

**Sample ID: SP 2 (1') (H600471-02)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2016	ND	2.04	102	2.00	0.850	
Toluene*	<0.050	0.050	03/03/2016	ND	2.00	99.8	2.00	0.844	
Ethylbenzene*	<0.050	0.050	03/03/2016	ND	1.79	89.5	2.00	0.0755	
Total Xylenes*	<0.150	0.150	03/03/2016	ND	5.43	90.5	6.00	0.845	
Total BTEX	<0.300	0.300	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/04/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2016	ND	203	101	200	1.31	
DRO >C10-C28	<10.0	10.0	03/03/2016	ND	231	116	200	10.5	

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 115 % 28-171

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\*=Accredited Analyte

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 Environmental Plus, Inc.  
 Daniel Dominguez  
 P.O. Box 1558  
 Eunice NM, 88231  
 Fax To: (505) 394-2601

Received:	03/02/2016	Sampling Date:	02/26/2016
Reported:	03/04/2016	Sampling Type:	Soil
Project Name:	ELLIOTT B FEDERAL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-1, SEC. 6, T22S, R37E		

**Sample ID: SP 3 (1') (H600471-03)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2016	ND	2.04	102	2.00	0.850	
Toluene*	<0.050	0.050	03/03/2016	ND	2.00	99.8	2.00	0.844	
Ethylbenzene*	<0.050	0.050	03/03/2016	ND	1.79	89.5	2.00	0.0755	
Total Xylenes*	<0.150	0.150	03/03/2016	ND	5.43	90.5	6.00	0.845	
Total BTEX	<0.300	0.300	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 73.6-140

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	03/04/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2016	ND	203	101	200	1.31	
DRO >C10-C28	<10.0	10.0	03/03/2016	ND	231	116	200	10.5	

Surrogate: 1-Chlorooctane 104 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

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\*=Accredited Analyte

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**Analytical Results For:**

 Environmental Plus, Inc.  
 Daniel Dominguez  
 P.O. Box 1558  
 Eunice NM, 88231  
 Fax To: (505) 394-2601

Received:	03/02/2016	Sampling Date:	02/26/2016
Reported:	03/04/2016	Sampling Type:	Soil
Project Name:	ELLIOTT B FEDERAL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-1, SEC. 6, T22S, R37E		

**Sample ID: SP 4 (1') (H600471-04)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	03/03/2016	ND	2.04	102	2.00	0.850	
<b>Toluene*</b>	<b>0.109</b>	0.100	03/03/2016	ND	2.00	99.8	2.00	0.844	
<b>Ethylbenzene*</b>	<b>2.36</b>	0.100	03/03/2016	ND	1.79	89.5	2.00	0.0755	
<b>Total Xylenes*</b>	<b>7.25</b>	0.300	03/03/2016	ND	5.43	90.5	6.00	0.845	
<b>Total BTEX</b>	<b>9.72</b>	0.600	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>128</b>	16.0	03/04/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>306</b>	50.0	03/03/2016	ND	203	101	200	1.31		
<b>DRO &gt;C10-C28</b>	<b>3220</b>	50.0	03/03/2016	ND	231	116	200	10.5		

Surrogate: 1-Chlorooctane 154 % 35-147

Surrogate: 1-Chlorooctadecane 143 % 28-171

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\*=Accredited Analyte

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 Eunice NM, 88231  
 Fax To: (505) 394-2601

Received:	03/02/2016	Sampling Date:	02/26/2016
Reported:	03/04/2016	Sampling Type:	Soil
Project Name:	ELLIOTT B FEDERAL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-1, SEC. 6, T22S, R37E		

**Sample ID: SP 4 (3') (H600471-05)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2016	ND	2.04	102	2.00	0.850	
Toluene*	<0.050	0.050	03/03/2016	ND	2.00	99.8	2.00	0.844	
Ethylbenzene*	<0.050	0.050	03/03/2016	ND	1.79	89.5	2.00	0.0755	
Total Xylenes*	<0.150	0.150	03/03/2016	ND	5.43	90.5	6.00	0.845	
Total BTEX	<0.300	0.300	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 73.6-140

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	03/04/2016	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2016	ND	203	101	200	1.31	
DRO >C10-C28	<10.0	10.0	03/03/2016	ND	231	116	200	10.5	

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 100 % 28-171

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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



# Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231  
 (575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

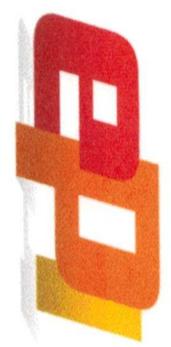
LAB Cardinal

Chain of Custody Form

Bill To

ANALYSIS REQUEST

Company Name: Environmental Plus, Inc.  
 EPI Project Manager: Daniel Dominguez  
 Mailing Address: P.O. BOX 1558  
 City, State, Zip: Eunice New Mexico 88231  
 EPI Phone#/Fax#: 575-394-3481 / 575-394-2601  
 Client Company: Vanguard  
 Facility Name: Elliott B Federal  
 Location: UL-1 Sec. 6, T22S, R37E



Attn: Daniel Dominguez  
 P.O. Box 1558  
 Eunice, NM 88231

Project Reference: David Robinson  
 EPI Sampler Name: David Robinson

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.		SAMPLING		BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO <sub>4</sub> <sup>2-</sup> )	pH	TCLP	OTHER >>>	PAH		
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME										
H200471																								
	1 SP1 (1')	G	1	X							X			26-Feb-16	2:15	X	X	X						
	2 SP2 (1')	G	1	X							X			26-Feb-16	2:17	X	X	X						
	3 SP3 (1')	G	1	X							X			26-Feb-16	2:19	X	X	X						
	4 SP4 (1')	G	1	X							X			26-Feb-16	2:21	X	X	X						
	5 SP4 (3')	G	1	X							X			26-Feb-16	2:23	X	X	X						
	6																							
	7																							
	8																							
	9																							
	10																							

Sampler Relinquished: David Robinson

Date: 3-2-16  
 Time: 6:00 am

Received By: David Robinson

Relinquished by: [Signature]

Received By: [Signature]  
 Date: 3/2/16  
 Time: 2:16 pm  
 Sample Cool & Intact: Yes

Delivered by: [Signature] -2.14

Checked By: [Signature]

NOTES:  
 E-mail results to: ddominguezepi@gmail.com & jerry@vnrlc.com

**ATTACHMENT III**  
**Copy of Initial NMOCD Form C-141**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company: Vanguard	Contact: JT Terry
Address: 4001 Penbrook, Suite 201, Odessa, Texas 79762	Telephone No. 432-362-2209
Facility Name: Elliott B Federal	Facility Type: Battery

Surface Owner: Vanguard	Mineral Owner:	API No. 30-025-10076
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**LOCATION OF RELEASE**

Unit Letter I	Section 6	Township 22S	Range 37E	Feet from the North/South Line	Feet from the East/West Line	County Lea
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Latitude: N 32.417329° Longitude: W 103.197841°

**NATURE OF RELEASE**

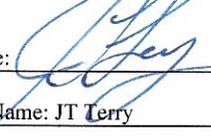
Type of Release: produced water and oil	Volume of Release: ~1,200 bbls	Volume Recovered: ~1,150 bbls
Source of Release: tanks overrun	Date and Hour of Occurrence: 2-4-16 @ unknown	Date and Hour of Discovery: 2-5-16 @ unknown
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kellie Jones, OCD	
By Whom? EPI	Date and Hour: 2-5-16 @ 12:21 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

If a Watercourse was Impacted, Describe Fully.\* Not Applicable

Describe Cause of Problem and Remedial Action Taken.\*  
The water transfer pump failed and the tanks were run over with fluid. Vacuum trucks were called in to draw up standing fluid.

Describe Area Affected and Cleanup Action Taken.\*  
The spill impacted approximately 16,500 sq. ft. of lease road. The majority of the water and oil was contained within the berms. However the containment was run over on the north end releasing an unknown amount of water and oil. Vacuum trucks collected approximately 1,150 bbls of water and oil from within containment and the lease road. The stained soil has been scraped up and placed on plastic.

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: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: JT Terry	Approved by Environmental Specialist:	
Title: Production Foreman	Approval Date:	Expiration Date:
E-mail Address: jterry@vnrllc.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>2-9-16</u> Phone: 432-362-2209		

\* Attach Additional Sheets If Necessary

# Elliott B Federal Tank Battery Liner

Vanguard









