

# ***ENVIRONMENTAL PLUS, INC.***

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EUNICE, NM 88231  
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Office: (575)394-3481 Fax: (575)394-2601



## **CLOSURE REPORT**

**BOPCO, LP**  
**Poker Lake Unit #428H**  
**Eddy County, New Mexico**  
**Unit Letter "C", Section 34, Township 24 South, Range 30 East**  
**Latitude 32.180438 North, Longitude 103.871574 West**  
**NMOCD Reference #2RP-2528**

Prepared For:

**BOPCO, LP**  
522 W. Mermod, Suite 704  
Carlsbad, New Mexico 88220

Prepared By:

Environmental Plus Inc.  
2100 Ave O  
Eunice, NM 88231

**December 2014**

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Daniel Dominguez  
Project Manager



9 December 2014

Mr. Mike Bratcher  
Environmental Specialist  
NMOCD  
811 S. First St.  
Artesia, New Mexico 88210

RE: Final Closure Report  
Bopco – Poker Lake Unit #428H  
UL-C, Section 34, Township 24 South, Range 30 East  
Eddy County, New Mexico  
NMOCD Reference # 2RP 2528

Mr. Bratcher:

The following *Final Closure Report* serves as a condensed update on closure activities for the above referenced Site.

**Background Information:**

The process vessels pressured up sending crude oil out the flare line. The pressure problem was corrected. The release impacted approximately 1,490 sq. ft. of pipeline right of way area with oil saturation depth of less than 6". Approximately 30,000 sq. ft. of pasture area was also lightly misted. The entire impacted area was treated with Micro-Blaze. A sampling event was conducted to determine the effectiveness of the treatment and the possible need for further remediation.

**Remediation Activities:**

EPI personnel mobilized on the site on September 26, 2014 to collect soil samples via hand auger to determine the vertical extent of contamination. A total of eighteen (18) soil samples were collected from six (6) sample locations. On October 2, 2014 five (5) additional, deeper, soil samples were collected from three (3) of the sample points; all samples were sent to Cardinal Labs in Hobbs, New Mexico, for testing. Laboratory analytical results indicate the excavation is void of Benzene and BTEX concentrations in excess of NMOCD Recommended Remedial Action Levels (RRALs) of 10 mg/Kg and 50 mg/Kg, respectively. TPH and/or Chloride concentrations exceed NMOCD RRALs of 5,000 mg/Kg and 1,000 mg/Kg, respectively, in all samples to depth of one (1) to two (2) feet bgs (reference *Figure 3* and *Table 2*).

On September 26, 2014 the overspray area was thoroughly sprayed with a six (6) percent solution of Micro-Blaze. The release area was then excavated to a depth of one (1) foot bgs in the areas of SP1, SP4, SP5 and SP6; two (2) feet bgs in the areas of SP2 and SP3. Approximately 266 cubic yards of excavated soil was hauled to a state approved facility for disposal.



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**Closure Activities:**

The excavation was backfilled with approximately 266 cubic yards of clean soil free of rocks, clumps or deleterious material. The entire disturbed area was then disced and deep drill seeded with a mixture approved by the property owner, and watered.

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. Brad Blevins at (432) 214-3704 or via e-mail at [bblevins@basspet.com](mailto:bblevins@basspet.com). All official communication should be addressed to:

Mr. Brad Blevins  
Bopco, L.P.  
522 W. Mermond, Suite 704  
Carlsbad, NM 88220

Sincerely,

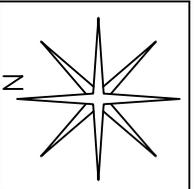
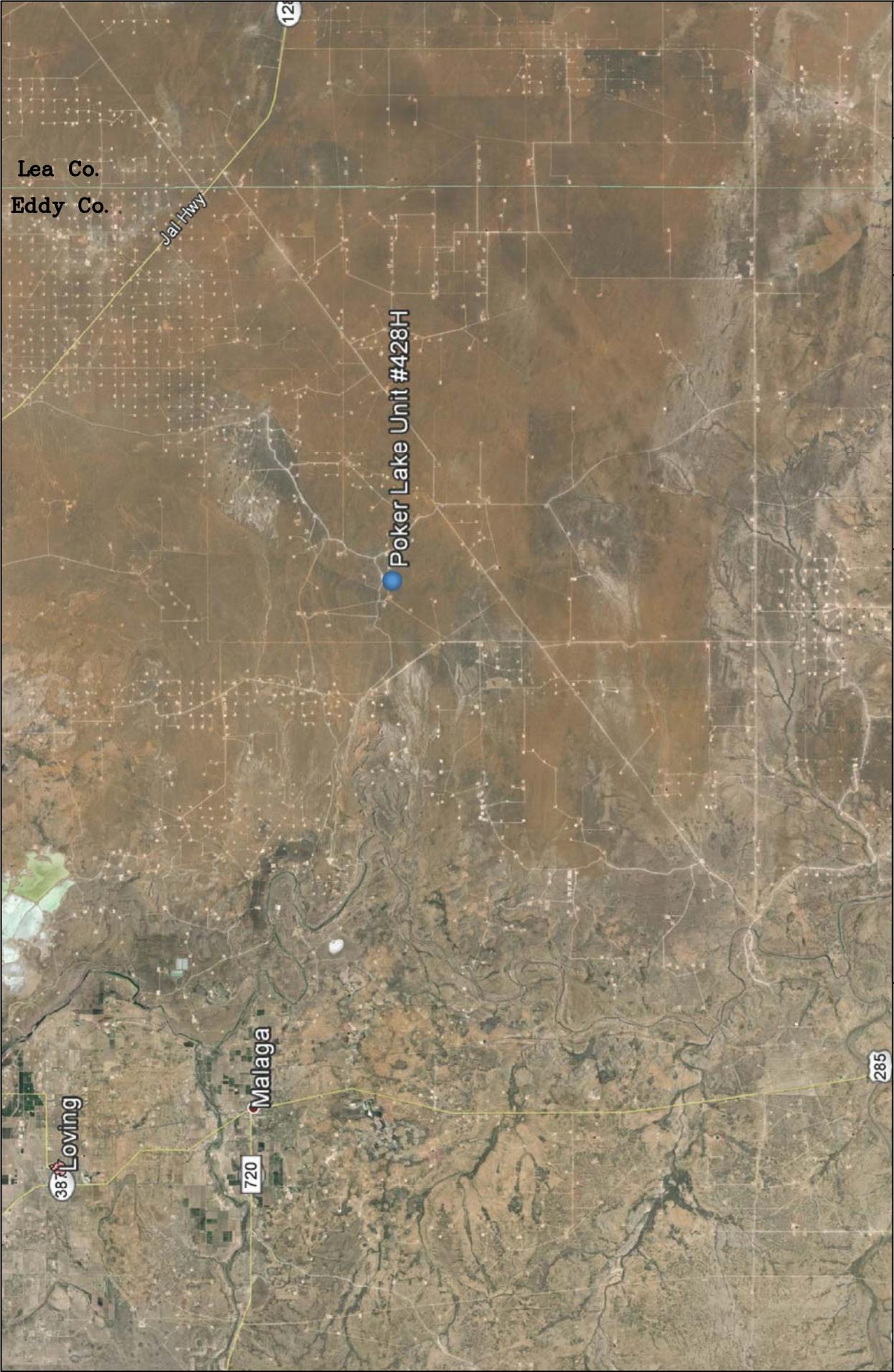
ENVIRONMENTAL PLUS, INC.

Daniel Dominguez  
Environmental Consultant

cc: Brad Blevins, EHS Asst. Remediation Foreman – Bopco, L.P.  
Tony Savoie, Remediation Foreman – Bopco, L.P. 1(432)556-8730  
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, Final C-141

## **FIGURES**



Lea Co.  
Eddy Co.

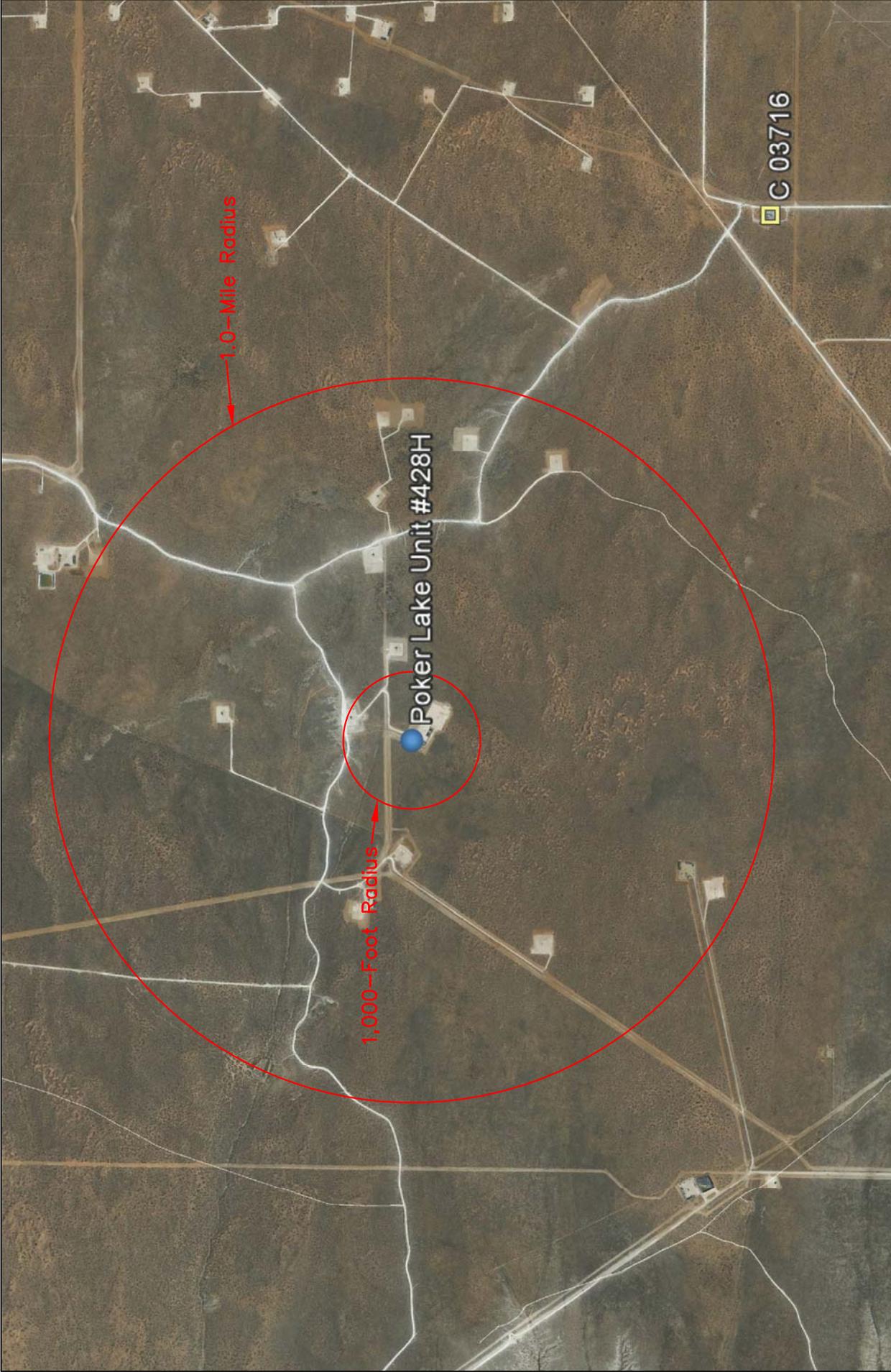
DWG By: D Dominguez  
December 2014

REVISID:  
6 SHEET  
1 of 1

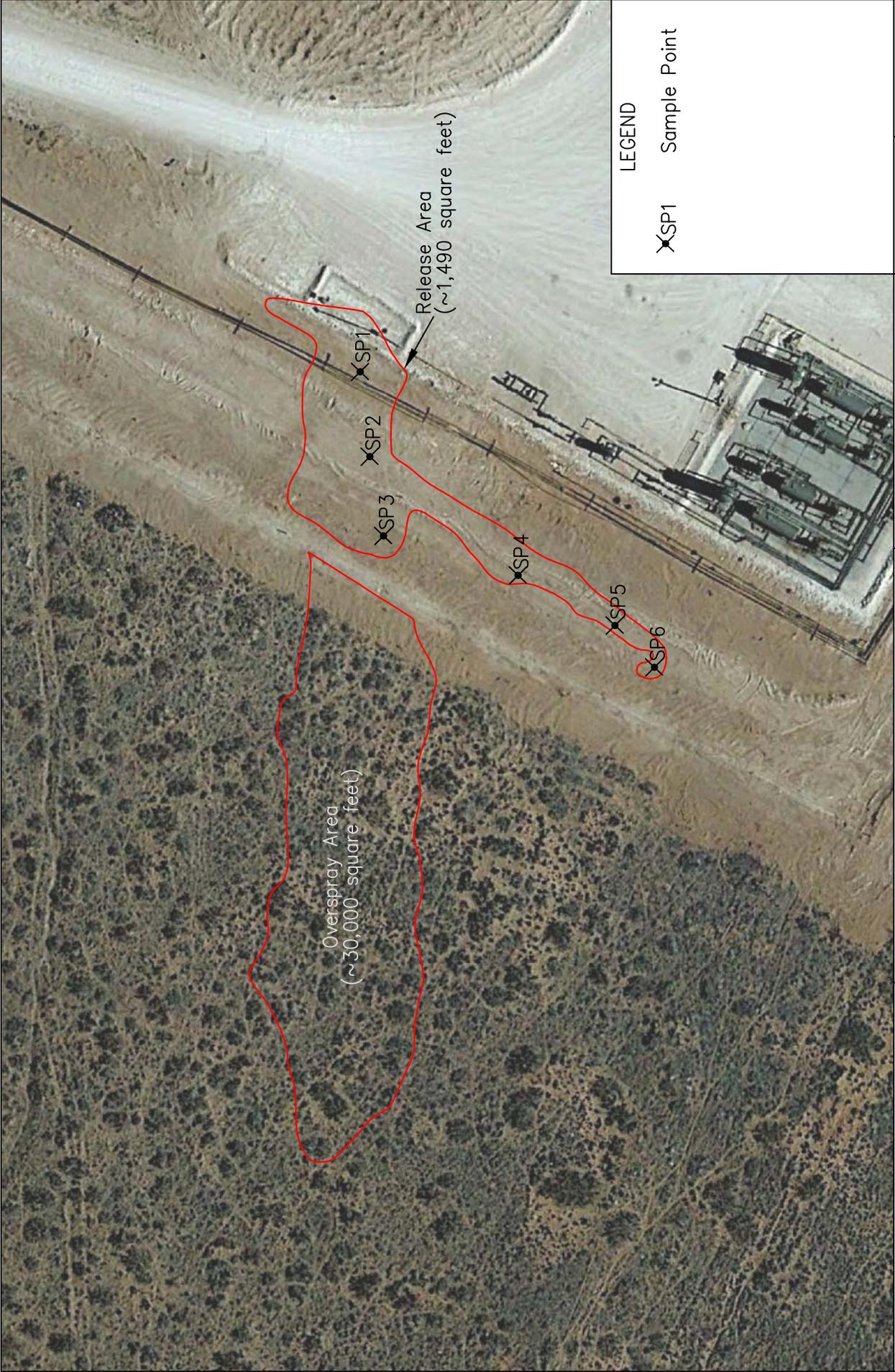
0 3 6 Miles

Eddy County, New Mexico  
NE 1/4 of NW 1/4, Sec. 34, T24S, R30E  
N 32° 10' 49.58" W 103° 52' 17.67"  
Elevation: 3,345 feet amsl

Figure 1  
Area Map  
Bopco, L.P.  
Poker Lake Unit #428H

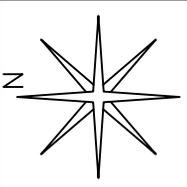


<p>DWG By: D Dominguez December 2014</p>	<p>REVISSED:</p>	
<p>0 2,000 4,000 Feet</p>	<p>4,000 SHEET 1 of 1</p>	<p>Eddy County, New Mexico NE 1/4 of NW 1/4, Sec. 34, T24S, R30E N 32° 10' 49.58" W 103° 52' 17.67" Elevation: 3,345 feet amsl</p>
<p>Figure 2 Site Location Map Bopco, L.P. Poker Lake Unit #428H</p>		



LEGEND

X SP1 Sample Point



REVISED:

120 SHEET  
1 of 1

DWG By: D Dominguez  
December 2014

0 60 120  
Feet

Eddy County, New Mexico  
NE 1/4 of NW 1/4, Sec. 34, T24S, R30E  
N 32° 10' 49.58" W 103° 52' 17.67"  
Elevation: 3,345 feet amsl

Figure 3  
Site/Sample Map  
Bopco, L.P.  
Poker Lake Unit #428H

## **TABLES**

**TABLE 1**

**Well Data**

**Bopco, L.P. - Poker Lake Unit #428H**

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)
C 03716	EXP	0	BOPCO LP	4	2	2	2	25S	30E	609069	3559211	03-Mar-14	3,402		425

\* = 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.

EXP = Exploration

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

TABLE 2  
Summary of Soil Sample Field Testing and Laboratory Analytical Results  
Bopco L.P.  
Poker Lake Unit #428H

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)	EXT DRO C28-C35 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP1	Surface	Excavated	26-Sep-14	3.9	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	643	575	1,218	6,640
	1	Excavated	26-Sep-14	1.4	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.1	<10.0	10.1	240
	2	In Situ	26-Sep-14	2.9	640	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.2	<10.0	10.2	1,020
SP2	Surface	Excavated	26-Sep-14	223.9	1,840	<0.050	1.37	0.848	4.47	6.69	337	22,200	4,630	27,167	2,400
	1	Excavated	26-Sep-14	291	4,000	<0.050	4.13	2.40	12.20	18.73	595	8,670	1,530	10,795	14,300
	2	Excavated	26-Sep-14	200	4,000	<0.050	0.866	0.908	5.20	6.97	192	4,200	775	5,167	5,280
	3	In Situ	02-Oct-14	13.4	200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	168	36.5	205	144
SP3	4	In Situ	02-Oct-14	1.4	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	74.8	18.1	92.9	192
	Surface	Excavated	26-Sep-14	347	640	0.332	4.82	4.04	21.4	30.6	929	15,500	3,150	19,579	736
	1	Excavated	26-Sep-14	283	3,200	<0.050	0.169	0.346	2.36	2.88	66.8	984	168	1,219	3,640
	2	Excavated	26-Sep-14	155	4,000	<0.050	0.111	0.244	1.73	2.09	51.8	887	152	1,091	4,720
SP4	3	In Situ	02-Oct-14	0.0	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	240
	4	In Situ	02-Oct-14	0.0	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	320
	Surface	Excavated	26-Sep-14	310	1,200	<0.050	4.17	3.81	21.2	29.2	978.0	16,600	2,970	20,548	1,550
	1	Excavated	26-Sep-14	20.7	3,360	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	35.6	14.6	50.2	3,920
SP5	2	In Situ	26-Sep-14	26.2	560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	56.1	<10.0	56.1	752
	3	In Situ	02-Oct-14	0.2	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	Surface	Excavated	26-Sep-14	53.7	400	<0.050	2.50	2.42	13.9	18.8	689	13,800	2,620	17,109	464
SP6	1	Excavated	26-Sep-14	8.6	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.7	19.6	36.3	<16.0
	2	In Situ	26-Sep-14	13.8	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	304	66.8	370.8	32
	Surface	Excavated	26-Sep-14	97.7	560	<0.050	5.73	5.48	27.4	38.6	1,960	27,300	5,050	34,310	384
NMOCD Recommended Remedial Action Levels	1	Excavated	26-Sep-14	9.8	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.6	34.9	53.5	96
	2	In Situ	26-Sep-14	19	240	<0.050	<0.050	<0.050	<0.150	<0.300	11.9	646	133	790.9	64
				100		10				50				5,000	1,000

-- = 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 – Lease sign



Photograph #2 – Looking northerly across release area



Photograph #3 – Looking north-easterly across release area



Photograph #4 – Looking westerly across release area and overspray area



Photograph #5 – Application of Micro-Blaze



Photograph #6 – Excavated area



Photograph #7 – Excavated area



Photograph #8 – Excavated area



Photograph #9 – Excavated area



Photograph #10 – Backfilled area



Photograph #11 – Backfilled area



Photograph #12 – Backfilled area

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



October 07, 2014

Daniel Dominguez  
Environmental Plus, Inc.  
P.O. Box 1558  
Eunice, NM 88231

RE: PLU #428 H

Enclosed are the results of analyses for samples received by the laboratory on 10/02/14 15:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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:	10/02/2014	Sampling Date:	10/02/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 2 (3') (H403021-01)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17		
Toluene*	<0.050	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18		
Ethylbenzene*	<0.050	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22		
Total Xylenes*	<0.150	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47		
Total BTEX	<0.300	0.300	10/06/2014	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154*

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>144</b>	16.0	10/03/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/06/2014	ND	181	90.7	200	1.07		
<b>DRO &gt;C10-C28</b>	<b>168</b>	10.0	10/06/2014	ND	189	94.7	200	2.55		
<b>EXT DRO &gt;C28-C35</b>	<b>36.5</b>	10.0	10/06/2014	ND						

*Surrogate: 1-Chlorooctane 93.0 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 107 % 52.1-176*

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:	10/02/2014	Sampling Date:	10/02/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 2 (4') (H403021-02)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17	
Toluene*	<0.050	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18	
Ethylbenzene*	<0.050	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22	
Total Xylenes*	<0.150	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47	
Total BTEX	<0.300	0.300	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 61-154

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>192</b>	16.0	10/03/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/06/2014	ND	181	90.7	200	1.07	
<b>DRO &gt;C10-C28</b>	<b>74.8</b>	10.0	10/06/2014	ND	189	94.7	200	2.55	
<b>EXT DRO &gt;C28-C35</b>	<b>18.1</b>	10.0	10/06/2014	ND					

Surrogate: 1-Chlorooctane 100 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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 Daniel Dominguez  
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Received:	10/02/2014	Sampling Date:	10/02/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 3 (3') (H403021-03)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17	
Toluene*	<0.050	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18	
Ethylbenzene*	<0.050	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22	
Total Xylenes*	<0.150	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47	
Total BTEX	<0.300	0.300	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 61-154

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>240</b>	16.0	10/03/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/06/2014	ND	181	90.7	200	1.07	
DRO >C10-C28	<10.0	10.0	10/06/2014	ND	189	94.7	200	2.55	
EXT DRO >C28-C35	<10.0	10.0	10/06/2014	ND					

Surrogate: 1-Chlorooctane 98.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.4 % 52.1-176

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 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 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.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Environmental Plus, Inc.  
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 Fax To: (505) 394-2601

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Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 3 (4') (H403021-04)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17	
Toluene*	<0.050	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18	
Ethylbenzene*	<0.050	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22	
Total Xylenes*	<0.150	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47	
Total BTEX	<0.300	0.300	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 61-154

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>320</b>	16.0	10/03/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/06/2014	ND	181	90.7	200	1.07	
DRO >C10-C28	<10.0	10.0	10/06/2014	ND	189	94.7	200	2.55	
EXT DRO >C28-C35	<10.0	10.0	10/06/2014	ND					

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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:	10/02/2014	Sampling Date:	10/02/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 4 (3') (H403021-05)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17	
Toluene*	<0.050	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18	
Ethylbenzene*	<0.050	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22	
Total Xylenes*	<0.150	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47	
Total BTEX	<0.300	0.300	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 61-154

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	10/03/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/06/2014	ND	181	90.7	200	1.07	
DRO >C10-C28	<10.0	10.0	10/06/2014	ND	189	94.7	200	2.55	
EXT DRO >C28-C35	<10.0	10.0	10/06/2014	ND					

Surrogate: 1-Chlorooctane 95.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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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



---

Celey D. Keene, Lab Director/Quality Manager





October 07, 2014

Daniel Dominguez  
Environmental Plus, Inc.  
P.O. Box 1558  
Eunice, NM 88231

RE: PLU #428 H

Enclosed are the results of analyses for samples received by the laboratory on 10/02/14 15:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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". The signature is written in a cursive, flowing style.

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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 1 (SURFACE) (H403022-01)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17		
Toluene*	<0.050	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18		
Ethylbenzene*	<0.050	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22		
Total Xylenes*	<0.150	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47		
Total BTEX	<0.300	0.300	10/06/2014	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154*

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>6640</b>	16.0	10/06/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	10/06/2014	ND	181	90.7	200	1.07		
<b>DRO &gt;C10-C28</b>	<b>643</b>	50.0	10/06/2014	ND	189	94.7	200	2.55		
<b>EXT DRO &gt;C28-C35</b>	<b>575</b>	50.0	10/06/2014	ND						

*Surrogate: 1-Chlorooctane 94.8 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 112 % 52.1-176*

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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 1 (1') (H403022-02)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17	
Toluene*	<0.050	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18	
Ethylbenzene*	<0.050	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22	
Total Xylenes*	<0.150	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47	
Total BTEX	<0.300	0.300	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

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>240</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/06/2014	ND	181	90.7	200	1.07	
<b>DRO &gt;C10-C28</b>	<b>10.1</b>	10.0	10/06/2014	ND	189	94.7	200	2.55	
EXT DRO >C28-C35	<10.0	10.0	10/06/2014	ND					

Surrogate: 1-Chlorooctane 93.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.1 % 52.1-176

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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 1 (2') (H403022-03)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17	
Toluene*	<0.050	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18	
Ethylbenzene*	<0.050	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22	
Total Xylenes*	<0.150	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47	
Total BTEX	<0.300	0.300	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

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>1020</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/06/2014	ND	181	90.7	200	1.07	
<b>DRO &gt;C10-C28</b>	<b>10.2</b>	10.0	10/06/2014	ND	189	94.7	200	2.55	
EXT DRO >C28-C35	<10.0	10.0	10/06/2014	ND					

Surrogate: 1-Chlorooctane 91.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.7 % 52.1-176

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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 2 (SURFACE) (H403022-04)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/06/2014	ND	1.81	90.6	2.00	3.17	
<b>Toluene*</b>	<b>1.37</b>	0.500	10/06/2014	ND	1.72	86.0	2.00	4.18	
<b>Ethylbenzene*</b>	<b>0.848</b>	0.500	10/06/2014	ND	1.62	81.0	2.00	5.22	
<b>Total Xylenes*</b>	<b>4.47</b>	1.50	10/06/2014	ND	4.81	80.1	6.00	5.47	
<b>Total BTEX</b>	<b>6.68</b>	3.00	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

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>2400</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>337</b>	100	10/06/2014	ND	181	90.7	200	1.07		
<b>DRO &gt;C10-C28</b>	<b>22200</b>	100	10/06/2014	ND	189	94.7	200	2.55		
<b>EXT DRO &gt;C28-C35</b>	<b>4630</b>	100	10/06/2014	ND						

Surrogate: 1-Chlorooctane 142 % 47.2-157

Surrogate: 1-Chlorooctadecane 760 % 52.1-176

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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 2 (1') (H403022-05)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/06/2014	ND	1.81	90.6	2.00	3.17	
<b>Toluene*</b>	<b>4.13</b>	0.500	10/06/2014	ND	1.72	86.0	2.00	4.18	
<b>Ethylbenzene*</b>	<b>2.40</b>	0.500	10/06/2014	ND	1.62	81.0	2.00	5.22	
<b>Total Xylenes*</b>	<b>12.2</b>	1.50	10/06/2014	ND	4.81	80.1	6.00	5.47	
<b>Total BTEX</b>	<b>18.8</b>	3.00	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

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>14300</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>595</b>	50.0	10/06/2014	ND	181	90.7	200	1.07		
<b>DRO &gt;C10-C28</b>	<b>8670</b>	50.0	10/06/2014	ND	189	94.7	200	2.55		
<b>EXT DRO &gt;C28-C35</b>	<b>1530</b>	50.0	10/06/2014	ND						

Surrogate: 1-Chlorooctane 149 % 47.2-157

Surrogate: 1-Chlorooctadecane 221 % 52.1-176

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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 2 (2') (H403022-06)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17	
<b>Toluene*</b>	<b>0.866</b>	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18	
<b>Ethylbenzene*</b>	<b>0.908</b>	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22	
<b>Total Xylenes*</b>	<b>5.20</b>	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47	
<b>Total BTEX</b>	<b>6.97</b>	0.300	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 61-154

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>5280</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>192</b>	50.0	10/06/2014	ND	181	90.7	200	1.07	
<b>DRO &gt;C10-C28</b>	<b>4200</b>	50.0	10/06/2014	ND	189	94.7	200	2.55	
<b>EXT DRO &gt;C28-C35</b>	<b>775</b>	50.0	10/06/2014	ND					

Surrogate: 1-Chlorooctane 123 % 47.2-157

Surrogate: 1-Chlorooctadecane 166 % 52.1-176

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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 3 (SURFACE) (H403022-07)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.332</b>	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17	
<b>Toluene*</b>	<b>4.82</b>	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18	
<b>Ethylbenzene*</b>	<b>4.04</b>	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22	
<b>Total Xylenes*</b>	<b>21.4</b>	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47	
<b>Total BTEX</b>	<b>30.5</b>	0.300	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 61-154

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>736</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>929</b>	100	10/07/2014	ND	181	90.7	200	1.07		
<b>DRO &gt;C10-C28</b>	<b>15500</b>	100	10/07/2014	ND	189	94.7	200	2.55		
<b>EXT DRO &gt;C28-C35</b>	<b>3150</b>	100	10/07/2014	ND						

Surrogate: 1-Chlorooctane 188 % 47.2-157

Surrogate: 1-Chlorooctadecane 446 % 52.1-176

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\*=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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 3 (1') (H403022-08)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17	
<b>Toluene*</b>	<b>0.169</b>	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18	
<b>Ethylbenzene*</b>	<b>0.346</b>	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22	
<b>Total Xylenes*</b>	<b>2.36</b>	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47	
<b>Total BTEX</b>	<b>2.87</b>	0.300	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

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>3640</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>66.8</b>	10.0	10/07/2014	ND	181	90.7	200	1.07	
<b>DRO &gt;C10-C28</b>	<b>984</b>	10.0	10/07/2014	ND	189	94.7	200	2.55	
<b>EXT DRO &gt;C28-C35</b>	<b>168</b>	10.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Environmental Plus, Inc.  
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 Eunice NM, 88231  
 Fax To: (505) 394-2601

Received:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 3 (2') (H403022-09)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2014	ND	1.81	90.6	2.00	3.17	
<b>Toluene*</b>	<b>0.111</b>	0.050	10/06/2014	ND	1.72	86.0	2.00	4.18	
<b>Ethylbenzene*</b>	<b>0.244</b>	0.050	10/06/2014	ND	1.62	81.0	2.00	5.22	
<b>Total Xylenes*</b>	<b>1.73</b>	0.150	10/06/2014	ND	4.81	80.1	6.00	5.47	
<b>Total BTEX</b>	<b>2.08</b>	0.300	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

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>4720</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>51.8</b>	10.0	10/07/2014	ND	181	90.7	200	1.07	
<b>DRO &gt;C10-C28</b>	<b>887</b>	10.0	10/07/2014	ND	189	94.7	200	2.55	
<b>EXT DRO &gt;C28-C35</b>	<b>152</b>	10.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Environmental Plus, Inc.  
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 Eunice NM, 88231  
 Fax To: (505) 394-2601

Received:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 4 (SURFACE) (H403022-10)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/06/2014	ND	1.81	90.6	2.00	3.17	
<b>Toluene*</b>	<b>4.17</b>	0.500	10/06/2014	ND	1.72	86.0	2.00	4.18	
<b>Ethylbenzene*</b>	<b>3.81</b>	0.500	10/06/2014	ND	1.62	81.0	2.00	5.22	
<b>Total Xylenes*</b>	<b>21.2</b>	1.50	10/06/2014	ND	4.81	80.1	6.00	5.47	
<b>Total BTEX</b>	<b>29.2</b>	3.00	10/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

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>1550</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>978</b>	100	10/07/2014	ND	181	90.7	200	1.07		
<b>DRO &gt;C10-C28</b>	<b>16600</b>	100	10/07/2014	ND	189	94.7	200	2.55		
<b>EXT DRO &gt;C28-C35</b>	<b>2970</b>	100	10/07/2014	ND						

Surrogate: 1-Chlorooctane 199 % 47.2-157

Surrogate: 1-Chlorooctadecane 841 % 52.1-176

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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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 4 (1') (H403022-11)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2014	ND	1.89	94.3	2.00	1.65	
Toluene*	<0.050	0.050	10/07/2014	ND	1.81	90.3	2.00	2.65	
Ethylbenzene*	<0.050	0.050	10/07/2014	ND	1.71	85.4	2.00	2.12	
Total Xylenes*	<0.150	0.150	10/07/2014	ND	5.05	84.2	6.00	1.70	
Total BTEX	<0.300	0.300	10/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3920</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/07/2014	ND	181	90.7	200	1.07	
<b>DRO &gt;C10-C28</b>	<b>35.6</b>	10.0	10/07/2014	ND	189	94.7	200	2.55	
<b>EXT DRO &gt;C28-C35</b>	<b>14.6</b>	10.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 88.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.2 % 52.1-176

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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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 4 (2') (H403022-12)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2014	ND	1.89	94.3	2.00	1.65	
Toluene*	<0.050	0.050	10/07/2014	ND	1.81	90.3	2.00	2.65	
Ethylbenzene*	<0.050	0.050	10/07/2014	ND	1.71	85.4	2.00	2.12	
Total Xylenes*	<0.150	0.150	10/07/2014	ND	5.05	84.2	6.00	1.70	
Total BTEX	<0.300	0.300	10/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

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>752</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/07/2014	ND	181	90.7	200	1.07	
<b>DRO &gt;C10-C28</b>	<b>56.1</b>	10.0	10/07/2014	ND	189	94.7	200	2.55	
EXT DRO >C28-C35	<10.0	10.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 93.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.5 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 5 (SURFACE) (H403022-13)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/07/2014	ND	1.89	94.3	2.00	1.65	
<b>Toluene*</b>	<b>2.50</b>	0.500	10/07/2014	ND	1.81	90.3	2.00	2.65	
<b>Ethylbenzene*</b>	<b>2.42</b>	0.500	10/07/2014	ND	1.71	85.4	2.00	2.12	
<b>Total Xylenes*</b>	<b>13.9</b>	1.50	10/07/2014	ND	5.05	84.2	6.00	1.70	
<b>Total BTEX</b>	<b>18.8</b>	3.00	10/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

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>464</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>689</b>	50.0	10/07/2014	ND	181	90.7	200	1.07		
<b>DRO &gt;C10-C28</b>	<b>13800</b>	50.0	10/07/2014	ND	189	94.7	200	2.55		
<b>EXT DRO &gt;C28-C35</b>	<b>2620</b>	50.0	10/07/2014	ND						

Surrogate: 1-Chlorooctane 167 % 47.2-157

Surrogate: 1-Chlorooctadecane 408 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 5 (1') (H403022-14)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2014	ND	1.89	94.3	2.00	1.65	
Toluene*	<0.050	0.050	10/07/2014	ND	1.81	90.3	2.00	2.65	
Ethylbenzene*	<0.050	0.050	10/07/2014	ND	1.71	85.4	2.00	2.12	
Total Xylenes*	<0.150	0.150	10/07/2014	ND	5.05	84.2	6.00	1.70	
Total BTEX	<0.300	0.300	10/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 61-154

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	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/07/2014	ND	181	90.7	200	1.07	
<b>DRO &gt;C10-C28</b>	<b>16.7</b>	10.0	10/07/2014	ND	189	94.7	200	2.55	
<b>EXT DRO &gt;C28-C35</b>	<b>19.6</b>	10.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 92.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 100 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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 Fax To: (505) 394-2601

Received:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 5 (2') (H403022-15)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2014	ND	1.89	94.3	2.00	1.65	
Toluene*	<0.050	0.050	10/07/2014	ND	1.81	90.3	2.00	2.65	
Ethylbenzene*	<0.050	0.050	10/07/2014	ND	1.71	85.4	2.00	2.12	
Total Xylenes*	<0.150	0.150	10/07/2014	ND	5.05	84.2	6.00	1.70	
Total BTEX	<0.300	0.300	10/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

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>32.0</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/07/2014	ND	181	90.7	200	1.07	
<b>DRO &gt;C10-C28</b>	<b>304</b>	10.0	10/07/2014	ND	189	94.7	200	2.55	
<b>EXT DRO &gt;C28-C35</b>	<b>66.8</b>	10.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 92.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 6 (SURFACE) (H403022-16)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	10/07/2014	ND	1.89	94.3	2.00	1.65	
<b>Toluene*</b>	<b>5.73</b>	2.00	10/07/2014	ND	1.81	90.3	2.00	2.65	
<b>Ethylbenzene*</b>	<b>5.48</b>	2.00	10/07/2014	ND	1.71	85.4	2.00	2.12	
<b>Total Xylenes*</b>	<b>27.4</b>	6.00	10/07/2014	ND	5.05	84.2	6.00	1.70	
<b>Total BTEX</b>	<b>38.6</b>	12.0	10/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

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>384</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>1960</b>	100	10/06/2014	ND	188	93.8	200	2.42		
<b>DRO &gt;C10-C28</b>	<b>27300</b>	100	10/06/2014	ND	193	96.5	200	3.50		
<b>EXT DRO &gt;C28-C35</b>	<b>5050</b>	100	10/06/2014	ND						

Surrogate: 1-Chlorooctane 584 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.3 % 52.1-176

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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 6 (1') (H403022-17)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2014	ND	1.89	94.3	2.00	1.65	
Toluene*	<0.050	0.050	10/07/2014	ND	1.81	90.3	2.00	2.65	
Ethylbenzene*	<0.050	0.050	10/07/2014	ND	1.71	85.4	2.00	2.12	
Total Xylenes*	<0.150	0.150	10/07/2014	ND	5.05	84.2	6.00	1.70	
Total BTEX	<0.300	0.300	10/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

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>96.0</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/06/2014	ND	188	93.8	200	2.42	
<b>DRO &gt;C10-C28</b>	<b>18.6</b>	10.0	10/06/2014	ND	193	96.5	200	3.50	
<b>EXT DRO &gt;C28-C35</b>	<b>34.9</b>	10.0	10/06/2014	ND					

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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:	10/02/2014	Sampling Date:	09/25/2014
Reported:	10/07/2014	Sampling Type:	Soil
Project Name:	PLU #428 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC.34, T24S, R30E		

**Sample ID: SP 6 (2') (H403022-18)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2014	ND	1.89	94.3	2.00	1.65	
Toluene*	<0.050	0.050	10/07/2014	ND	1.81	90.3	2.00	2.65	
Ethylbenzene*	<0.050	0.050	10/07/2014	ND	1.71	85.4	2.00	2.12	
Total Xylenes*	<0.150	0.150	10/07/2014	ND	5.05	84.2	6.00	1.70	
Total BTEX	<0.300	0.300	10/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	10/06/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>11.9</b>	10.0	10/06/2014	ND	188	93.8	200	2.42	
<b>DRO &gt;C10-C28</b>	<b>646</b>	10.0	10/06/2014	ND	193	96.5	200	3.50	
<b>EXT DRO &gt;C28-C35</b>	<b>133</b>	10.0	10/06/2014	ND					

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 140 % 52.1-176

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 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 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.



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-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- 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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Celey D. Keene, Lab Director/Quality Manager





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

OCT 08 2014

Form C-141  
Revised August 8, 2011

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

RECEIVED  
Submitted to appropriate District Office in accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

*NAB1428139099*

**OPERATOR**  Initial Report  Final Report

Name of Company: BOPCO, L.P. *8100737* Contact: Tony Savoie  
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 Telephone No. 575-887-7329  
Facility Name: Poker Lake Unit 428H Tank Battery Facility Type: Exploration and Production

Surface Owner: Federal Mineral Owner: Federal API No. 30-015-41246

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	34	24S	30E	850	North	2225	West	Eddy

Latitude N 32.180438 Longitude W 103.871574

**NATURE OF RELEASE**

Type of Release: Crude oil	Volume of Release: 5 bbls	Volume Recovered: None
Source of Release: Facility flare line	Date and Hour of Occurrence: 9/24/14 time unknown	Date and Hour of Discovery: 9/24/14 at approximately 12:00 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*  
The process vessels pressured up sending crude oil out the flare line. The pressure problem was corrected.

Describe Area Affected and Cleanup Action Taken.\*  
The release impacted approximately 1490 sq. ft. of pipeline right of way area with oil saturation depth of less than 6" and approximately 30,000 sq. ft. of pasture area that was lightly misted. The entire impacted area was treated with micro-blaze. A sampling event will be conducted later to determine the effectiveness of the treatment and the possible need for further remediation.

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: <i>Tony Savoie</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Tony Savoie	Signed By <i>Mike Brannan</i> Approved by Environmental Specialist	
Title: Waste Management and Remediation Specialist	Approval Date: <i>10/8/14</i>	Expiration Date: <i>N/A</i>
E-mail Address: tasavoie@basspet.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <i>10/7/14</i> Phone: 432-556-8730	<b>Remediation per O.C.D. Rules &amp; Guidelines</b> <b>SUBMIT REMEDIATION PROPOSAL NO</b> <b>LATER THAN: <i>11/8/14</i></b>	

\* Attach Additional Sheets If Necessary

*2RP-2528*

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised 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

<b>Name of Company:</b> Bopco, L.P.	<b>Contact:</b> Tony Savoie
<b>Address:</b> 522 W. Mermod, Suite 704 Carlsbad, NM 88220	<b>Telephone No.:</b> (575) 887-7329
<b>Facility Name:</b> Poker Lake Unit 428H Tank Battery	<b>Facility Type:</b> Exploration and Production

<b>Surface Owner:</b> Federal	<b>Mineral Owner:</b> Federal	<b>API No.:</b> 30-015-41246
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	34	24S	30E	850	North	2225	West	Eddy

**Latitude:** N 32.180438° **Longitude:** W 103.871574°

**NATURE OF RELEASE**

<b>Type of Release:</b> crude oil	<b>Volume of Release:</b> 5 bbls	<b>Volume Recovered:</b> 0 bbls
<b>Source of Release:</b> facility flare line	<b>Date and Hour of Occurrence:</b> 9/24/14 time unknown	<b>Date and Hour of Discovery:</b> 9/24/14 @ ~12:00 pm
<b>Was Immediate Notice Given?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	<b>If YES, To Whom?</b>	
<b>By Whom?</b>	<b>Date and Hour:</b>	
<b>Was a Watercourse Reached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If YES, Volume Impacting the Watercourse:</b> Not Applicable	

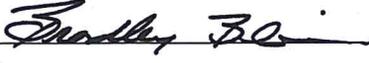
**Depth to Water.** ~400 ft bgs

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

**Describe Cause of Problem and Remedial Action Taken.\*** The process vessels pressured up sending crude oil out the flare line. The pressure problem was corrected.

**Describe Area Affected and Cleanup Action Taken.\*** The release impacted approximately 1,490 sq. ft. of pipeline right of way area with oil saturation depth of less than 6". Approximately 30,000 sq. ft. of pasture area was also lightly misted. The entire impacted area was treated with micro-blaze. A sampling event will be conducted later to determine the effectiveness of the treatment and the possible need for further remediation. Based on samples collected from the site, contaminated soil has been excavated and hauled to a state approved disposal facility and the excavation backfilled with clean soil. The spill area has been remediated in accordance to the NMOCD and BLM recommended guidelines.

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.

<b>Signature:</b> 	<b>OIL CONSERVATION DIVISION</b>	
<b>Printed Name:</b> Brad Blevins	<b>Approved by District Supervisor:</b>	
<b>Title:</b> EHS Asst. Remediation Foreman	<b>Approval Date:</b>	<b>Expiration Date:</b>
<b>E-mail Address:</b> bblevins@basspet.com	<b>Conditions of Approval:</b>	<b>Attached</b> <input type="checkbox"/>
<b>Date:</b> 12-10-14 <b>Phone:</b> (432) 214-3704		

\* Attach Additional Sheets If Necessary