

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

2100 AVE O  
PO BOX 1558  
EUNICE, NM 88231  
[ddominguezepi@gmail.com](mailto:ddominguezepi@gmail.com)  
Office: (575)394-3481 Fax: (575)394-2601



## **CLOSURE REPORT**

**BOPCO, LP**  
**Poker Lake Unit #57**  
**Eddy County, New Mexico**  
**Unit Letter "N", Section 28, Township 25 South, Range 31 East**  
**Latitude 32.094735 North, Longitude 103.785760 West**  
**NMOCD Reference #2RP-1730**

Prepared For:

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

Prepared By:

Environmental Plus Inc.  
2100 Ave O  
Eunice, NM 88231

**November 2014**

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Daniel Dominguez  
Project Manager



7 November 2014

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

RE: Final Closure Report  
Bopco – Poker Lake Unit #57  
UL-N, Section 28, Township 25 South, Range 31 East  
Eddy County, New Mexico  
NMOCD Reference # 2RP 1730

Mr. Bratcher:

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

**Background Information:**

The gasket failed on the heater treater fire tube. The gasket was replaced. Approximately 600 square feet of tank battery pad was affected by the release. The free standing fluid was recovered.

**Remediation Activities:**

EPI personnel mobilized on the site on October 6, 2014 to collect soil samples via hand auger to determine the vertical extent of contamination. A total of twenty-two (22) soil samples were collected from seven (7) sample locations. On October 14, 2014 one (1) soil sample was collected in the area of the pasture release; all samples were sent to Cardinal Labs in Hobbs, New Mexico, for testing. Laboratory analytical results indicate the excavation in general 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, 5,000 mg/Kg, and 1,000 mg/Kg, respectively. Sample SP6 indicates TPH and Chloride concentrations in excess of NMOCD RRALs at surface level with the Chloride level rising just over NMOCD RRALs at two (2) feet bgs then falling below NMOD RRALs at three (3) feet bgs. Sample SP7 indicates TPH concentrations in excess of NMOCD RRALs at surface level (reference *Figure 3* and *Table 2*).

From October 8-24, 2014 approximately 330 cubic yards of contaminated material were excavated and transported to Lea Land for disposal. The release areas were excavated to a depth of one (1) foot bgs.

**Closure Activities:**

The excavation was backfilled with approximately 188 yards of topsoil, 102 yards of caliche, and 40 yards of chat until the entire excavation was brought to grade with the existing pad area to protect against wind/water erosion. The disturbed area off the working location has been disced

and deep drill seeded with a mixture approved by the property owner.

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,

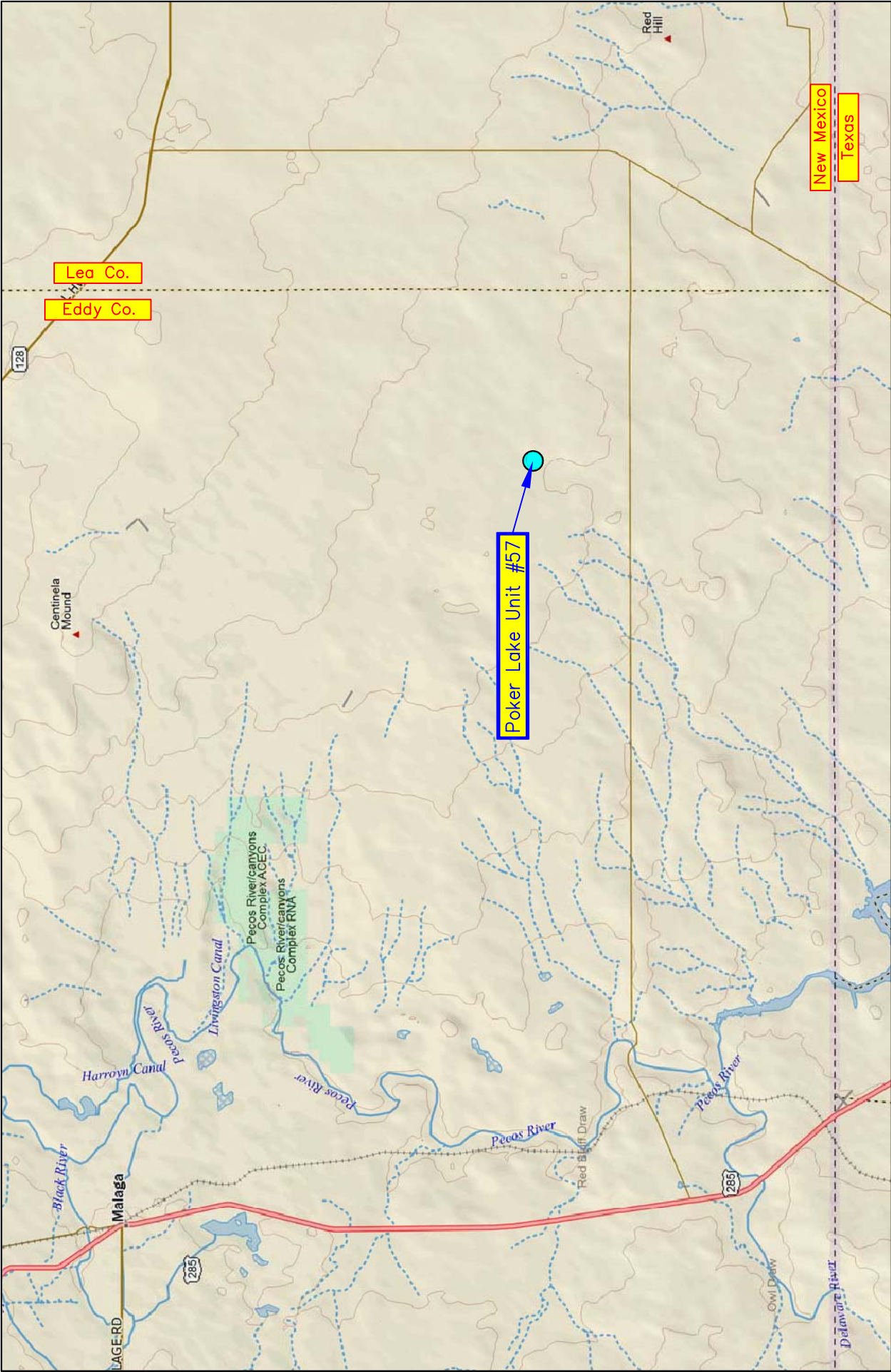
ENVIRONMENTAL PLUS, INC.

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

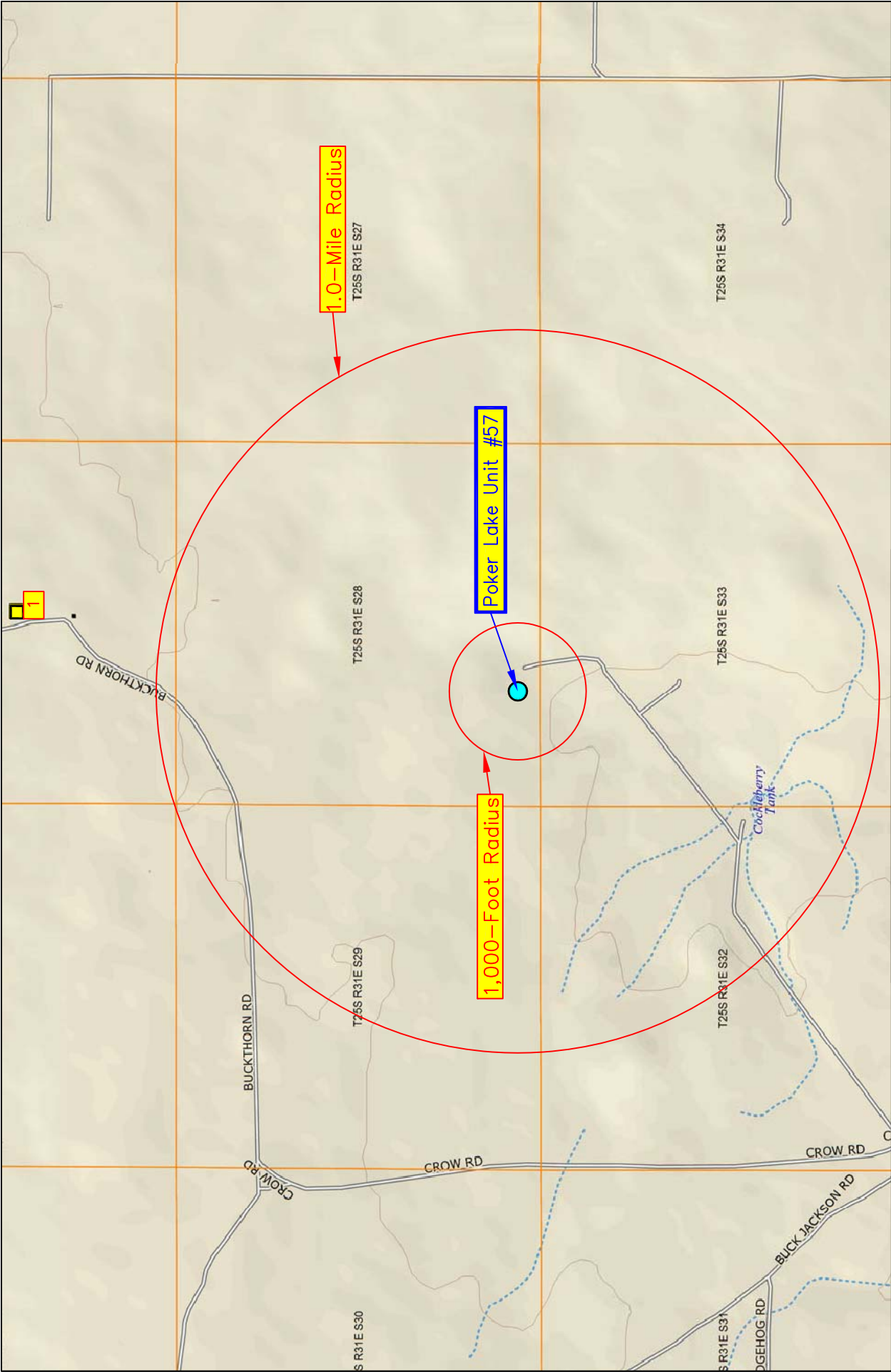
Encl.: Figure 1 – Area Map  
Figure 2 – Site Location Map  
Figure 3 – Site/Sample Map  
Table 1 – Well Data  
Table 2 – Summary of Soil Sample Field Testing and Laboratory Analytical Results  
Attachment I – Photographs  
Attachment II – Laboratory Analytical Results  
Attachment III – Copy of Initial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

## FIGURES



<b>Figure 1</b> Area Map Bopco, L.P. Poker Lake Unit #57	Eddy County, New Mexico SE 1/4 of SW 1/4, Sec. 28, T25S, R31E N 32° 5' 41.05" W 103° 47' 8.74" Elevation: 3,316 feet amsl		DWG By: D Dominguez November 2014	REVISED:	 0 3 6 Miles
				SHEET 1 of 1	





<p>Figure 2 Site Location Map Bopco, L.P. Poker Lake Unit #57</p>	<p>Eddy County, New Mexico SE 1/4 of SW 1/4, Sec. 28, T25S, R31E N 32° 5' 41.05" W 103° 47' 8.74" Elevation: 3,316 feet amsl</p>	<p>DWG By: D Dominguez November 2014</p> <p>REVISED:</p> <p>0 2,000 4,000 Feet</p> <p>SHEET 1 of 1</p>
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## **TABLES**



**TABLE 1**

**Well Data**

**Bopco - Poker Lake Unit #57**

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	C 02250	STK	3	Buck Jackson Trust	3	1	4	21	25S	31E	614912	3553620	31-Dec-41	3,372	390

\* = 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.

STK = 72-12-1 Livestock watering

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 #57**

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 BTX (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	06-Oct-14	1.4	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	16
	1	Excavated	06-Oct-14	1.1	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	32
	2	In Situ	06-Oct-14	1.7	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
SP2	Surface	Excavated	06-Oct-14	20.7	560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	3,320	703	4,023	256
	1	Excavated	06-Oct-14	15.5	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,070	247	1,317	16
	2	In Situ	06-Oct-14	1.8	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	128
SP3	Surface	Excavated	06-Oct-14	3.6	120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	341	262	603	64
	1	Excavated	06-Oct-14	2.3	560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	480
	2	In Situ	06-Oct-14	2.5	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	96
SP4	Surface	Excavated	06-Oct-14	3.3	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,820	919	2,739	720
	1	Excavated	06-Oct-14	3.6	600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	104	58.1	162.1	768
	2	In Situ	06-Oct-14	3.1	480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	816
SP5	Surface	Excavated	06-Oct-14	3.3	800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	516	289	805	832
	1	Excavated	06-Oct-14	2.7	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	128
	2	In Situ	06-Oct-14	2.2	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	176
SP6	Surface	Excavated	06-Oct-14	6.0	1,120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	8,120	4,040	<b>12,160</b>	<b>1,180</b>
	1	Excavated	06-Oct-14	4.4	620	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	170	120	290	608
	2	In Situ	06-Oct-14	2.8	620	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<b>1,070</b>
SP7	3	In Situ	06-Oct-14	2.0	520	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	864
	Surface	Excavated	06-Oct-14	89.7	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	4,820	900	<b>5,720</b>	80
	1	Excavated	06-Oct-14	5.9	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	16
SP8	2	In Situ	06-Oct-14	2.4	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	336
	1.5	In Situ	14-Oct-14	--	360	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	80.1	84.3	164.4	<16.0
	NMOCD Recommended Remedial Action Levels			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 – Looking east across release area



Photograph #2 – Looking north-east across release area





Photograph #3 – Looking north across release area



Photograph #4 – Looking north across pasture area release





Photograph #5 – Excavated pasture area



Photograph #6 – Excavated area





Photograph #7 – Excavated area



Photograph #8 – Excavated area





Photograph #9 – Backfilled area



Photograph #10 – Backfilled area



Photograph #11 – Backfilled area



Photograph #12 – Backfilled pasture area



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

October 10, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU #57

Enclosed are the results of analyses for samples received by the laboratory on 10/06/14 16:03.

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,



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: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 1 (SURFACE) (H403059-01)**

BTX 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	10/08/2014	ND	1.83	91.7	2.00	7.05	
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28	
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79	
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18	
Total BTX	<0.300	0.300	10/08/2014	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
Chloride	16.0	16.0	10/08/2014	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	176	88.2	200	4.12	
DRO >C10-C28	<10.0	10.0	10/07/2014	ND	180	90.2	200	3.18	
EXT DRO >C28-C35	<10.0	10.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 91.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.0 % 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: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 1 (1') (H403059-02)**

BTX 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	10/08/2014	ND	1.83	91.7	2.00	7.05		
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28		
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79		
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18		
Total BTX	<0.300	0.300	10/08/2014	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
Chloride	32.0	16.0	10/08/2014	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	176	88.2	200	4.12	
DRO >C10-C28	<10.0	10.0	10/07/2014	ND	180	90.2	200	3.18	
EXT DRO >C28-C35	<10.0	10.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 91.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.1 % 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: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 1 (2') (H403059-03)**

BTX 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	10/08/2014	ND	1.83	91.7	2.00	7.05		
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28		
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79		
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18		
Total BTX	<0.300	0.300	10/08/2014	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	
Chloride	<16.0	16.0	10/08/2014	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	10/10/2014	ND	176	88.2	200	4.12	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	180	90.2	200	3.18	
EXT DRO >C28-C35	<10.0	10.0	10/10/2014	ND					

Surrogate: 1-Chlorooctane 97.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 2 (SURFACE) (H403059-04)**

BTX 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	10/08/2014	ND	1.83	91.7	2.00	7.05	
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28	
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79	
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18	
Total BTX	<0.300	0.300	10/08/2014	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
Chloride	256	16.0	10/08/2014	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	10/07/2014	ND	176	88.2	200	4.12	
DRO >C10-C28	3320	50.0	10/07/2014	ND	180	90.2	200	3.18	
EXT DRO >C28-C35	703	50.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 166 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 2 (1') (H403059-05)**

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	10/08/2014	ND	1.83	91.7	2.00	7.05		
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28		
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79		
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18		
Total BTEx	<0.300	0.300	10/08/2014	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
Chloride	16.0	16.0	10/08/2014	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	176	88.2	200	4.12	
DRO >C10-C28	1070	10.0	10/07/2014	ND	180	90.2	200	3.18	
EXT DRO >C28-C35	247	10.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 89.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 117 % 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: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 2 (2') (H403059-06)**

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	10/08/2014	ND	1.83	91.7	2.00	7.05	
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28	
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79	
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18	
Total BTEx	<0.300	0.300	10/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	128	16.0	10/08/2014	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	176	88.2	200	4.12	
DRO >C10-C28	<10.0	10.0	10/07/2014	ND	180	90.2	200	3.18	
EXT DRO >C28-C35	<10.0	10.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 92.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.4 % 52.1-176

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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 3 (SURFACE) (H403059-07)**

BTX 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	10/08/2014	ND	1.83	91.7	2.00	7.05	
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28	
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79	
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18	
Total BTX	<0.300	0.300	10/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	64.0	16.0	10/08/2014	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	<100	100	10/07/2014	ND	176	88.2	200	4.12	
DRO >C10-C28	341	100	10/07/2014	ND	180	90.2	200	3.18	
EXT DRO >C28-C35	262	100	10/07/2014	ND					

Surrogate: 1-Chlorooctane 80.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 141 % 52.1-176

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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 3 (1') (H403059-08)**

BTX 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	10/08/2014	ND	1.83	91.7	2.00	7.05	
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28	
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79	
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18	
Total BTX	<0.300	0.300	10/08/2014	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
Chloride	480	16.0	10/08/2014	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	10/07/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	<50.0	50.0	10/07/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	<50.0	50.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 94.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.3 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager



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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 3 (2') (H403059-09)**

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	10/08/2014	ND	1.83	91.7	2.00	7.05		
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28		
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79		
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18		
Total BTEX	<0.300	0.300	10/08/2014	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
Chloride	96.0	16.0	10/08/2014	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	10/07/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	<50.0	50.0	10/07/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	<50.0	50.0	10/07/2014	ND					

Surrogate: 1-Chlorooctane 87.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 89.7 % 52.1-176

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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 4 (SURFACE) (H403059-10)**

BTX 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	10/08/2014	ND	1.83	91.7	2.00	7.05	
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28	
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79	
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18	
Total BTX	<0.300	0.300	10/08/2014	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	720	16.0	10/08/2014	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	<200	200	10/07/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	1820	200	10/07/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	919	200	10/07/2014	ND					

Surrogate: 1-Chlorooctane 84.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 146 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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Fax To: (505) 394-2601

Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 4 (1') (H403059-11)**

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	10/08/2014	ND	1.83	91.7	2.00	7.05	
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28	
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79	
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18	
Total BTEX	<0.300	0.300	10/08/2014	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
Chloride	768	16.0	10/08/2014	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	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	104	50.0	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	58.1	50.0	10/08/2014	ND					

Surrogate: 1-Chlorooctane 93.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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Fax To: (505) 394-2601

Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 4 (2') (H403059-12)**

BTX 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	10/08/2014	ND	1.83	91.7	2.00	7.05	
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28	
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79	
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18	
Total BTX	<0.300	0.300	10/08/2014	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
Chloride	816	16.0	10/08/2014	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	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	<10.0	10.0	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	<10.0	10.0	10/08/2014	ND					

Surrogate: 1-Chlorooctane 99.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.9 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 5 (SURFACE) (H403059-13)**

BTX 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	10/08/2014	ND	1.83	91.7	2.00	7.05	
Toluene*	<0.050	0.050	10/08/2014	ND	1.75	87.7	2.00	7.28	
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.69	84.5	2.00	7.79	
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.04	84.1	6.00	8.18	
Total BTX	<0.300	0.300	10/08/2014	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
Chloride	832	16.0	10/08/2014	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	<100	100	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	516	100	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	289	100	10/08/2014	ND					

Surrogate: 1-Chlorooctane 84.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 123 % 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: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 5 (1') (H403059-14)**

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	10/08/2014	ND	1.82	90.9	2.00	7.96	
Toluene*	<0.050	0.050	10/08/2014	ND	1.73	86.7	2.00	8.96	
Ethylbenzene*	<0.050	0.050	10/08/2014	ND	1.67	83.5	2.00	9.71	
Total Xylenes*	<0.150	0.150	10/08/2014	ND	5.00	83.4	6.00	9.86	
Total BTEx	<0.300	0.300	10/08/2014	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
Chloride	128	16.0	10/08/2014	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	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	<10.0	10.0	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	<10.0	10.0	10/08/2014	ND					

Surrogate: 1-Chlorooctane 94.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.9 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 5 (2') (H403059-15)**

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	10/09/2014	ND	1.82	90.9	2.00	7.96		
Toluene*	<0.050	0.050	10/09/2014	ND	1.73	86.7	2.00	8.96		
Ethylbenzene*	<0.050	0.050	10/09/2014	ND	1.67	83.5	2.00	9.71		
Total Xylenes*	<0.150	0.150	10/09/2014	ND	5.00	83.4	6.00	9.86		
Total BTEx	<0.300	0.300	10/09/2014	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
Chloride	176	16.0	10/08/2014	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	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	<10.0	10.0	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	<10.0	10.0	10/08/2014	ND					

Surrogate: 1-Chlorooctane 96.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 6 (SURFACE) (H403059-16)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/09/2014	ND	1.82	90.9	2.00	7.96	
Toluene*	<0.100	0.100	10/09/2014	ND	1.73	86.7	2.00	8.96	
Ethylbenzene*	<0.100	0.100	10/09/2014	ND	1.67	83.5	2.00	9.71	
Total Xylenes*	<0.300	0.300	10/09/2014	ND	5.00	83.4	6.00	9.86	
Total BTX	<0.600	0.600	10/09/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	1180	16.0	10/08/2014	ND	416	104	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
GRO C6-C10	<200	200	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	8120	200	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	4040	200	10/08/2014	ND					

Surrogate: 1-Chlorooctane 80.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 353 % 52.1-176

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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 6 (1') (H403059-17)**

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	10/09/2014	ND	1.82	90.9	2.00	7.96		
Toluene*	<0.050	0.050	10/09/2014	ND	1.73	86.7	2.00	8.96		
Ethylbenzene*	<0.050	0.050	10/09/2014	ND	1.67	83.5	2.00	9.71		
Total Xylenes*	<0.150	0.150	10/09/2014	ND	5.00	83.4	6.00	9.86		
Total BTEx	<0.300	0.300	10/09/2014	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
Chloride	608	16.0	10/08/2014	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	<50.0	50.0	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	170	50.0	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	120	50.0	10/08/2014	ND					

Surrogate: 1-Chlorooctane 87.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

### Sample ID: SP 6 (2') (H403059-18)

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	10/09/2014	ND	1.82	90.9	2.00	7.96	
Toluene*	<0.050	0.050	10/09/2014	ND	1.73	86.7	2.00	8.96	
Ethylbenzene*	<0.050	0.050	10/09/2014	ND	1.67	83.5	2.00	9.71	
Total Xylenes*	<0.150	0.150	10/09/2014	ND	5.00	83.4	6.00	9.86	
Total BTEx	<0.300	0.300	10/09/2014	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
Chloride	1070	16.0	10/08/2014	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	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	<10.0	10.0	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	<10.0	10.0	10/08/2014	ND					

Surrogate: 1-Chlorooctane 96.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.6 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 6 (3') (H403059-19)**

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	10/09/2014	ND	1.82	90.9	2.00	7.96	
Toluene*	<0.050	0.050	10/09/2014	ND	1.73	86.7	2.00	8.96	
Ethylbenzene*	<0.050	0.050	10/09/2014	ND	1.67	83.5	2.00	9.71	
Total Xylenes*	<0.150	0.150	10/09/2014	ND	5.00	83.4	6.00	9.86	
Total BTEx	<0.300	0.300	10/09/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	864	16.0	10/08/2014	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	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	<10.0	10.0	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	<10.0	10.0	10/08/2014	ND					

Surrogate: 1-Chlorooctane 93.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.1 % 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: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 7 (SURFACE) (H403059-20)**

BTX 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	10/09/2014	ND	1.82	90.9	2.00	7.96	
Toluene*	<0.050	0.050	10/09/2014	ND	1.73	86.7	2.00	8.96	
Ethylbenzene*	<0.050	0.050	10/09/2014	ND	1.67	83.5	2.00	9.71	
Total Xylenes*	<0.150	0.150	10/09/2014	ND	5.00	83.4	6.00	9.86	
Total BTX	<0.300	0.300	10/09/2014	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
Chloride	80.0	16.0	10/08/2014	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	<50.0	50.0	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	4820	50.0	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	900	50.0	10/08/2014	ND					

Surrogate: 1-Chlorooctane 92.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 170 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager



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Received: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 7 (1') (H403059-21)**

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	10/09/2014	ND	1.82	90.9	2.00	7.96		
Toluene*	<0.050	0.050	10/09/2014	ND	1.73	86.7	2.00	8.96		
Ethylbenzene*	<0.050	0.050	10/09/2014	ND	1.67	83.5	2.00	9.71		
Total Xylenes*	<0.150	0.150	10/09/2014	ND	5.00	83.4	6.00	9.86		
Total BTEx	<0.300	0.300	10/09/2014	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
Chloride	16.0	16.0	10/08/2014	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	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	<10.0	10.0	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	<10.0	10.0	10/08/2014	ND					

Surrogate: 1-Chlorooctane 99.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 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: 10/06/2014  
Reported: 10/10/2014  
Project Name: PLU #57  
Project Number: BOPCO  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP 7 (2') (H403059-22)**

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	10/09/2014	ND	1.82	90.9	2.00	7.96		
Toluene*	<0.050	0.050	10/09/2014	ND	1.73	86.7	2.00	8.96		
Ethylbenzene*	<0.050	0.050	10/09/2014	ND	1.67	83.5	2.00	9.71		
Total Xylenes*	<0.150	0.150	10/09/2014	ND	5.00	83.4	6.00	9.86		
Total BTEx	<0.300	0.300	10/09/2014	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
Chloride	336	16.0	10/08/2014	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	10/08/2014	ND	184	91.9	200	0.0919	
DRO >C10-C28	<10.0	10.0	10/08/2014	ND	191	95.3	200	1.02	
EXT DRO >C28-C35	<10.0	10.0	10/08/2014	ND					

Surrogate: 1-Chlorooctane 100 % 47.2-157

Surrogate: 1-Chlorooctadecane 100 % 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.
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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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.



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Celey D. Keene, Lab Director/Quality Manager

# Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form  
LAB Cardinal

Company Name	Environmental Plus, Inc.	Bill To	ANALYSIS REQUEST
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	BOPCO		
Facility Name	PLU #57		
Location	UL-N Sec. 28, T25S, R31E		
Project Reference			
EPI Sampler Name	David Robinson		

BOPCO, L.P.  
Attn: Brad Blevins  
522 W. Mermood, Suite 704  
Carlsbad, NM 88220

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		DATE	TIME	BTX 8021B	TPH 8015M	CHLORIDES (Cl <sup>-</sup> )	SULFATES (SO <sub>4</sub> <sup>2-</sup> )	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:		ICE/COOL	OTHER										
4403059-																						
01	SP1 (Surface)	G	1			X					X		06-Oct-14	8:55	X	X	X					
02	SP1 (1')	G	1			X					X		06-Oct-14	8:56	X	X	X					
03	SP1 (2')	G	1			X					X		06-Oct-14	8:57	X	X	X					
04	SP2 (Surface)	G	1			X					X		06-Oct-14	9:13	X	X	X					
05	SP2 (1')	G	1			X					X		06-Oct-14	9:14	X	X	X					
06	SP2 (2')	G	1			X					X		06-Oct-14	9:15	X	X	X					
07	SP3 (Surface)	G	1			X					X		06-Oct-14	9:35	X	X	X					
08	SP3 (1')	G	1			X					X		06-Oct-14	9:36	X	X	X					
09	SP3 (2')	G	1			X					X		06-Oct-14	9:37	X	X	X					
10	SP4 (Surface)	G	1			X					X		06-Oct-14	10:25	X	X	X					

Sampler Relinquished:	Date: 10/14/14	Received By: [Signature]	E-mail results to: ddominguezepi@gmail.com & bblevins@basspet.com
Relinquished by: [Signature]	Time: 2:30pm	Received By: (lab staff)	NOTES: & tasavoie@basspet.com
Delivered by: [Signature]	Date: 10/14/14	Sample Cool & Intact: Yes	Checked By: [Signature]



# Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form  
LAB Cardinal

Company Name		Environmental Plus, Inc.		Bill To		ANALYSIS REQUEST																							
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		BOPCO		BOPCO, L.P. Attn: Brad Blevins 522 W. Mermod, Suite 704 Carlsbad, NM 88220																									
Facility Name		PLU #57																											
Location		UL-N Sec. 28, T25S, R31E																											
Project Reference																													
EPI Sampler Name		David Robinson																											
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV.		SAMPLING		DATE		TIME		BTX 8021B		TPH 8015M		CHLORIDES (Cl <sup>-</sup> )		SULFATES (SO <sub>4</sub> <sup>2-</sup> )		pH		TCLP		OTHER >>>		PAH	
H403059																													
11	SP4 (1')	G	1																										
12	SP4 (2')	G	1																										
13	SP5 (Surface)	G	1																										
14	SP5 (1')	G	1																										
15	SP5 (2')	G	1																										
16	SP6 (Surface)	G	1																										
17	SP6 (1')	G	1																										
18	SP6 (2')	G	1																										
19	SP6 (3')	G	1																										
20	SP7 (Surface)	G	1																										

Sampler Relinquished:	Date: 10/6/14	Received By: [Signature]
Relinquished by: [Signature]	Time: 2:50 PM	
	Date: 10/6/14	Received By: [Signature]
	Time: 4:03	
Delivered by: [Signature]	Sample Cool & Intact: Yes	Checked By: [Signature]
#54	2.80	

NOTES: E-mail results to: ddominguezepi@gmail.com & bblevins@basspet.com & tasavole@basspet.com



# Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form  
LAB Cardinal

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 BOPCO  
Facility Name PLU #57  
Location UL-N Sec. 28, T25S, R31E  
Project Reference  
EPI Sampler Name David Robinson

BOPCO, L.P.  
Attn: Brad Blevins  
522 W. Mermod, Suite 704  
Carlsbad, NM 88220

## Bill To

## ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING											
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl <sup>-</sup> )	SULFATES (SO <sub>4</sub> <sup>2-</sup> )	pH	TCLP	OTHER >>>	PAH
H403059																						
21 SP7 (1')		G	1			X					X		06-Oct-14	12:41	X	X	X					
22 SP7 (2')		G	1			X					X		06-Oct-14	12:42	X	X	X					
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						

Sampler Relinquished:

Date: 10/6/14

Received By:

Relinquished by:

Date: 10/6/14

Received By: (lab staff)

Delivered by:

#54 2.8°C

Sample Cool & Intact

Checked By:

E-mail results to: ddominguezepi@gmail.com & bblevins@basspet.com  
NOTES: & lasavoie@basspet.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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October 17, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU #57

Enclosed are the results of analyses for samples received by the laboratory on 10/15/14 9:35.

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: 10/15/2014  
Reported: 10/17/2014  
Project Name: PLU #57  
Project Number: AFE# 25932 PPO# 912103  
Project Location: UL-N SEC. 28, T25S, R31E

Sampling Date: 10/14/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: SP #8 [18"] (H403156-01)**

BTX 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	10/16/2014	ND	1.82	90.9	2.00	6.29	
Toluene*	<0.050	0.050	10/16/2014	ND	1.70	85.1	2.00	6.51	
Ethylbenzene*	<0.050	0.050	10/16/2014	ND	1.60	80.1	2.00	6.78	
Total Xylenes*	<0.150	0.150	10/16/2014	ND	4.74	79.0	6.00	7.31	
Total BTX	<0.300	0.300	10/16/2014	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
Chloride	<16.0	16.0	10/15/2014	ND	400	100	400	3.92	

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	10/17/2014	ND	178	88.8	200	2.04	
<b>DRO &gt;C10-C28</b>	<b>80.1</b>	10.0	10/17/2014	ND	183	91.3	200	4.55	
<b>EXT DRO &gt;C28-C35</b>	<b>84.3</b>	10.0	10/17/2014	ND					

Surrogate: 1-Chlorooctane 97.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 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**

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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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Chain of Custody Form

**LAB**  
**Cardinal**

ANALYSIS REQUEST

**BOPCO, L.P.**  
Attn: Brad Blevins  
522 W. Mermod, Suite 704  
Carlsbad, NM 88220

PAH

& [tasavoie@basspet.com](mailto:tasavoie@basspet.com)

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174

救

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

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  
Santa Fe, NM 87505

RECEIVED

JUL 15 2013

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

Form C-141  
Revised August 8, 2011

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: BOPCO, L.P. <b>260737</b>	Contact: Tony Savoie	
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329	
Facility Name: PLU-57 Tank Battery	Facility Type: Exploration and Production	
Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-24269

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	28	25S	31E					Eddy

Latitude N 32.094735 Longitude W 103.785760

#### NATURE OF RELEASE

Type of Release: Crude oil and produced water	Volume of Release: 3 bbls of crude oil and 15 bbls produced water	Volume Recovered: 2 bbls water
Source of Release: Heater Treater	Date and Hour of Occurrence 6/7/13 time unknown	Date and Hour of Discovery 6/7/13 1:00 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 gasket failed on the heater treater fire tube. The gasket was replaced.

Describe Area Affected and Cleanup Action Taken.\*  
Approximately 600 sq.ft. of tank battery pad was affected by the release. The free standing fluid was recovered. The spill area will be remediated in accordance to the NMOCD and BLM 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.

Signature: <i>Tony Savoie</i>	OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie	Approved by Environmental Specialist: <i>M. L. Benavidez</i>	
Title: Waste Management and Remediation Specialist	Approval Date: <b>JUL 17 2013</b>	Expiration Date:
E-mail Address: <a href="mailto:tasavoie@basspet.com">tasavoie@basspet.com</a>	Conditions of Approval: Remediation per OCD Rule & Guidelines, & like approval by BLM. SUBMIT REMEDIATION	Attached <input type="checkbox"/>
Date: 7/14/13	Phone: 432-556-8730	

\* Attach Additional Sheets If Necessary

PROPOSAL NO LATER THAN:  
**August 17, 2013**

**2RP-1730**



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


Name of Company: Bopco, L.P.	Contact: Tony Savoie	
Address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	Telephone No.: (575) 887-7329	
Facility Name: PLU-57 Tank Battery	Facility Type: Exploration and Production	
Surface Owner: Federal	Mineral Owner: Federal	API No.: 30-015-24269

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	28	25S	31E					Eddy

Latitude: N 32.094735 Longitude: W 103.785760

NATURE OF RELEASE

Type of Release: crude oil and produced water	Volume of Release: 3 bbls of crude oil and 15 bbls produced water	Volume Recovered: 2 bbls water
Source of Release: heater treater	Date and Hour of Occurrence: 6/7/13 time unknown	Date and Hour of Discovery: 6/7/13 @ 1:00 pm
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: Not Applicable	
Depth to Water. ~300 ft bgs		
If a Watercourse was Impacted, Describe Fully.* Not Applicable		
Describe Cause of Problem and Remedial Action Taken.* The gasket failed on the heater treater fire tube. The gasket was replaced.		
Describe Area Affected and Cleanup Action Taken.* Approximately 600 sq. ft. of tank battery pad was affected by the release. The free standing fluid was recovered. Contaminated soil has been excavated and hauled to a state approved disposal facility and the excavation has been backfilled with clean soil. The spill area has been remediated in accordance to the NMOCD and BLM 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.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Brad Blevins	Approved by District Supervisor:	
Title: EHS Asst. Remediation Foreman	Approval Date:	Expiration Date:
E-mail Address: <a href="mailto:bblevins@basspet.com">bblevins@basspet.com</a>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>11-12-14</u> Phone: (432) 214-3704		

\* Attach Additional Sheets If Necessary