

ENVIRONMENTAL PLUS, INC.

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



CLOSURE REPORT

BOPCO, L.P.
Poker Lake Unit #274
Eddy County, New Mexico
Unit Letter "O", Section 12, Township 24 South, Range 29 East
Latitude 32.225443 North, Longitude 103.936917 West
NMOCD Reference #2RP-2507

Prepared For:

BOPCO, L.P.
522 W. Mermod, Suite 704
Carlsbad, New Mexico 88220

Prepared By:

Environmental Plus, Inc.
2100 Ave 'O'
Eunice, NM 88231

December 2014

Daniel Dominguez
Project Manager



19 December 2014

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

RE: Final Closure Report
Bopco – Poker Lake Unit #274
UL-O, Section 12, Township 24 South, Range 29 East
Eddy County, New Mexico
NMOCD Reference # 2RP 2507

Mr. Bratcher:

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

Background Information:

The float inside the free water knock out failed to shut of the fluid level causing oil to pressure up and go out the flare line. The float system was repaired. The release impacted approximately 19,600 sq. ft. of tank battery and well pad area with heavy to moderate oil saturation. The release also misted an area of approximately 49,200 sq. ft. in the pasture north west of the tank battery location. The area was reviewed by EH&S on 9/11/14; there had been a significant rain event, there was very little oil residue remaining on the vegetation. The saturated soil on the pad had been scraped up and stockpiled onsite.

Remediation Activities:

EPI personnel mobilized on the site on November 17, 2014 to collect soil samples via backhoe to determine the vertical extent of contamination. A total of twenty-seven (27) soil samples were collected from seven (7) sample locations. On November 19, 2014 seven (7) additional soil samples were collected from two (2) new 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, 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, in the areas of SP1 – SP5, and SP8. Chloride concentrations exceed NMOCD RRALs in the area of SP6 to a depth of two (2) feet bgs. In the area of SP7 TPH concentrations exceed NMOCD RRALs at surface level, with Chloride concentrations exceeding NMOCD RRALs to a depth of four (4) feet bgs. In the area of SP9 Benzene concentrations exceed NMOCD RRALs at one (1) foot bgs while TPH concentrations exceed NMOCD RRALs to a depth of two (2) feet bgs (reference *Figure 3* and *Table 2*).

From November 17 - 26, 2014 the release area was excavated to a depth of one (1) foot bgs in the areas of SP1 – SP8; SP9 was excavated to a depth of three (3) feet bgs. Approximately

201.48 tons of contaminated soil was excavated and hauled to a state approved facility for disposal.

Closure Activities:

The excavation was backfilled with approximately 129.73 tons of clean soil that was left over from previous work and stockpiled on site. Approximately 71.75 tons of clean soil were hauled in to complete backfilling activities. All soil was free of rocks, clumps or deleterious material. The entire disturbed area was then contoured to blend with existing pad area and protected against wind/water erosion.

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 or Mr. Brad Blevins at (432) 214-3704 or via e-mail at 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 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



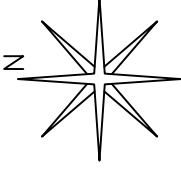
Lea Co.
Eddy Co.

<p>Figure 1 Area Map Bopco, L.P. Poker Lake Unit #274</p>	<p>Eddy County, New Mexico SW 1/4 of SE 1/4, Sec. 12, T24S, R29E N 32° 13' 33.50" W 103° 56' 13.58" Elevation: 3,113 feet amsl</p>		<p>DWG By: D Dominguez December 2014</p>	<p>REVISED:</p>	
	<p>0 3 6 Miles</p>		<p>6</p>	<p>SHEET 1 of 1</p>	



Figure 2 Site Location Map Bopco, L.P. Poker Lake Unit #274	Eddy County, New Mexico SW 1/4 of SE 1/4, Sec. 12, T24S, R29E N 32° 13' 33.50" W 103° 56' 13.58" Elevation: 3,113 feet amsl	DWG By: D Dominguez December 2014		REVISED:		
		0	2,000	4,000		SHEET
						1 of 1
		Feet				



LEGEND		REVISED:	
✕SP1	Sample Point		
DWG By: D Dominguez December 2014		0 40 80 Feet	SHEET 1 of 1
Figure 3 Site/Sample Map Bopco, L.P. Poker Lake Unit #274		Eddy County, New Mexico SW 1/4 of SE 1/4, Sec. 12, T24S, R29E N 32° 13' 33.50" W 103° 56' 13.58" Elevation: 3,113 feet amsl	

TABLES

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Bopco L.P.
Poker Lake Unit #274

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP1	Surface	Excavated	17-Nov-14	3.4	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	388	388	<16.0
	1	Excavated	17-Nov-14	3.8	80	--	--	--	--	--	--	--	--	--
	2	In Situ	17-Nov-14	3.7	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SP2	Surface	Excavated	17-Nov-14	7.3	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	237	237	<16.0
	1	Excavated	17-Nov-14	3.3	80	--	--	--	--	--	--	--	--	--
	2	In Situ	17-Nov-14	4.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SP3	Surface	Excavated	17-Nov-14	4.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	186	186	16
	1	Excavated	17-Nov-14	3.9	160	--	--	--	--	--	--	--	--	--
	2	In Situ	17-Nov-14	5.4	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	352
SP4	Surface	Excavated	17-Nov-14	7.8	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2,300	2,300	32
	1	Excavated	17-Nov-14	4.0	400	--	--	--	--	--	--	--	--	--
	2	In Situ	17-Nov-14	5.1	400	--	--	--	--	--	--	--	--	--
SP5	3	In Situ	17-Nov-14	2.3	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	400
	Surface	Excavated	17-Nov-14	2.4	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	146	146	320
	1	Excavated	17-Nov-14	2.9	160	--	--	--	--	--	--	--	--	--
	2	In Situ	17-Nov-14	2.8	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	96
SP6	Surface	Excavated	17-Nov-14	3.1	1,440	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	567	567	1,570
	1	Excavated	17-Nov-14	4.2	2,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	2,080
	2	In Situ	17-Nov-14	4.1	2,240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	3,400
	3	In Situ	17-Nov-14	2.6	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	352
	4	In Situ	17-Nov-14	4.0	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	176

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Bopco L.P.
Poker Lake Unit #274

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP7	Surface	Excavated	17-Nov-14	31.7	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15,900	15,900	3,320
	1	Excavated	17-Nov-14	23.4	2,800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	268	268	3,240
	2	In Situ	17-Nov-14	5.3	1,440	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	1,720
	3	In Situ	17-Nov-14	2.8	1,600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	1,840
	4	In Situ	17-Nov-14	5.0	1,440	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	1,630
	5	In Situ	17-Nov-14	4.4	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	320
SP8	Surface	Excavated	19-Nov-14	5.2	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
	1	Excavated	19-Nov-14	7.4	80	--	--	--	--	--	--	--	--	--
	2	In Situ	19-Nov-14	5.8	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SP9	Surface	Excavated	19-Nov-14	157	--	<0.050	1.76	0.917	6.39	9.14	320	18,600	18,920	<16.0
	1	Excavated	19-Nov-14	690	80	<0.050	43.8	17.1	108	171	4,380	15,500	19,880	<16.0
	2	Excavated	19-Nov-14	52.7	480	<0.050	0.054	<0.050	<0.150	<0.300	10.4	344	354	288
	3	Excavated	19-Nov-14	6.3	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	208
NMOCD Recommended Remedial Action Levels				100		10				50			5,000	1,000

-- = Not Analyzed

ATTACHMENTS

ATTACHMENT I
Photographs



Photograph #1 – Looking across release area



Photograph #2 – Looking across release area



Photograph #3 – Looking across release area



Photograph #4 – Looking across release area



Photograph #5 – Release area



Photograph #6 – Excavated area



Photograph #7 – Excavated area



Photograph #8 – Excavated area



Photograph #9 – Excavated area



Photograph #10 – Excavated area



Photograph #11 – Backfilled area



Photograph #12 – Backfilled area



Photograph #13 – Backfilled area



Photograph #14 – Backfilled area

ATTACHMENT II
Laboratory Analytical Results



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

November 25, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU #274

Enclosed are the results of analyses for samples received by the laboratory on 11/18/14 15:43.

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.

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 "Hope S. Moreno". The signature is written in a cursive, flowing style.

Hope S. Moreno For 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: 11/18/2014
Reported: 11/25/2014
Project Name: PLU #274
Project Number: NONE GIVEN
Project Location: UL-O SEC. 12, T29S, R29E

Sampling Date: 11/17/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (SURFACE) (H403549-01)

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	11/21/2014	ND	1.96	98.1	2.00	6.95	
Toluene*	<0.050	0.050	11/21/2014	ND	1.90	95.2	2.00	7.27	
Ethylbenzene*	<0.050	0.050	11/21/2014	ND	1.88	93.8	2.00	6.56	
Total Xylenes*	<0.150	0.150	11/21/2014	ND	5.65	94.2	6.00	6.68	
Total BTX	<0.300	0.300	11/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	11/20/2014	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	11/19/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	388	10.0	11/19/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 120 % 47.2-157

Surrogate: 1-Chlorooctadecane 150 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 (2') (H403549-02)

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	11/21/2014	ND	1.96	98.1	2.00	6.95	
Toluene*	<0.050	0.050	11/21/2014	ND	1.90	95.2	2.00	7.27	
Ethylbenzene*	<0.050	0.050	11/21/2014	ND	1.88	93.8	2.00	6.56	
Total Xylenes*	<0.150	0.150	11/21/2014	ND	5.65	94.2	6.00	6.68	
Total BTEx	<0.300	0.300	11/21/2014	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	11/20/2014	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	11/19/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	<10.0	10.0	11/19/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 116 % 47.2-157

Surrogate: 1-Chlorooctadecane 129 % 52.1-176

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*=Accredited Analyte

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Hope S. Moreno For Caley 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: 11/18/2014
Reported: 11/25/2014
Project Name: PLU #274
Project Number: NONE GIVEN
Project Location: UL-O SEC. 12, T29S, R29E

Sampling Date: 11/17/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 (SURFACE) (H403549-03)

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	11/21/2014	ND	1.96	98.1	2.00	6.95	
Toluene*	<0.050	0.050	11/21/2014	ND	1.90	95.2	2.00	7.27	
Ethylbenzene*	<0.050	0.050	11/21/2014	ND	1.88	93.8	2.00	6.56	
Total Xylenes*	<0.150	0.150	11/21/2014	ND	5.65	94.2	6.00	6.68	
Total BTEx	<0.300	0.300	11/21/2014	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	11/20/2014	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	11/19/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	237	10.0	11/19/2014	ND	194	96.8	200	0.864	


Surrogate: 1-Chlorooctane 112 % 47.2-157

Surrogate: 1-Chlorooctadecane 141 % 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.



Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 (2') (H403549-04)

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	11/21/2014	ND	1.96	98.1	2.00	6.95	
Toluene*	<0.050	0.050	11/21/2014	ND	1.90	95.2	2.00	7.27	
Ethylbenzene*	<0.050	0.050	11/21/2014	ND	1.88	93.8	2.00	6.56	
Total Xylenes*	<0.150	0.150	11/21/2014	ND	5.65	94.2	6.00	6.68	
Total BTEx	<0.300	0.300	11/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	11/20/2014	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	11/19/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	<10.0	10.0	11/19/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 121 % 47.2-157

Surrogate: 1-Chlorooctadecane 135 % 52.1-176

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*=Accredited Analyte

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Hope S. Moreno For Caley 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 (SURFACE) (H403549-05)

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	11/21/2014	ND	1.96	98.1	2.00	6.95		
Toluene*	<0.050	0.050	11/21/2014	ND	1.90	95.2	2.00	7.27		
Ethylbenzene*	<0.050	0.050	11/21/2014	ND	1.88	93.8	2.00	6.56		
Total Xylenes*	<0.150	0.150	11/21/2014	ND	5.65	94.2	6.00	6.68		
Total BTEx	<0.300	0.300	11/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	11/20/2014	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	11/19/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	186	10.0	11/19/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 125 % 47.2-157

Surrogate: 1-Chlorooctadecane 148 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 (2') (H403549-06)

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	11/24/2014	ND	1.91	95.3	2.00	1.74		
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43		
Total BTX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	352	16.0	11/20/2014	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	11/20/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 122 % 47.2-157

Surrogate: 1-Chlorooctadecane 136 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 (SURFACE) (H403549-07)

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	11/24/2014	ND	1.91	95.3	2.00	1.74		
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43		
Total BTX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	32.0	16.0	11/20/2014	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	<50.0	50.0	11/20/2014	ND	191	95.6	200	1.99		
DRO >C10-C28	2300	50.0	11/20/2014	ND	194	96.8	200	0.864		

Surrogate: 1-Chlorooctane 129 % 47.2-157

Surrogate: 1-Chlorooctadecane 191 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 (3') (H403549-08)

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	11/24/2014	ND	1.91	95.3	2.00	1.74		
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43		
Total BTEX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	400	16.0	11/20/2014	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	11/20/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 122 % 47.2-157

Surrogate: 1-Chlorooctadecane 136 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 5 (SURFACE) (H403549-09)

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	11/24/2014	ND	1.91	95.3	2.00	1.74		
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43		
Total BTX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	320	16.0	11/20/2014	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	11/20/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	146	10.0	11/20/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 127 % 47.2-157

Surrogate: 1-Chlorooctadecane 149 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 5 (2') (H403549-10)

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	11/24/2014	ND	1.91	95.3	2.00	1.74		
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43		
Total BTEX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	96.0	16.0	11/20/2014	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	11/20/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	194	96.8	200	0.864	


Surrogate: 1-Chlorooctane 119 % 47.2-157

Surrogate: 1-Chlorooctadecane 137 % 52.1-176

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Hope S. Moreno For Caley 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: 11/18/2014
Reported: 11/25/2014
Project Name: PLU #274
Project Number: NONE GIVEN
Project Location: UL-O SEC. 12, T29S, R29E

Sampling Date: 11/17/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (SURFACE) (H403549-11)

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	11/24/2014	ND	1.91	95.3	2.00	1.74		
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43		
Total BTX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	1570	16.0	11/20/2014	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	11/20/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	567	10.0	11/20/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 120 % 47.2-157

Surrogate: 1-Chlorooctadecane 147 % 52.1-176

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Analytical Results For:

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

Received: 11/18/2014
Reported: 11/25/2014
Project Name: PLU #274
Project Number: NONE GIVEN
Project Location: UL-O SEC. 12, T29S, R29E

Sampling Date: 11/17/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (1') (H403549-12)

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	11/24/2014	ND	1.91	95.3	2.00	1.74		
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43		
Total BTX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	2080	16.0	11/20/2014	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	11/20/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 122 % 47.2-157

Surrogate: 1-Chlorooctadecane 139 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 (2') (H403549-13)

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	11/24/2014	ND	1.91	95.3	2.00	1.74		
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43		
Total BTX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	3400	16.0	11/20/2014	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	11/20/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 122 % 47.2-157

Surrogate: 1-Chlorooctadecane 135 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 (3') (H403549-14)

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	11/24/2014	ND	1.91	95.3	2.00	1.74		
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43		
Total BTX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	352	16.0	11/20/2014	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	11/20/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 127 % 47.2-157

Surrogate: 1-Chlorooctadecane 141 % 52.1-176

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

 Received: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 (4') (H403549-15)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEx	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.4 % 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	176	16.0	11/20/2014	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	11/20/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 128 % 47.2-157

Surrogate: 1-Chlorooctadecane 143 % 52.1-176

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

 Received: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 (SURFACE) (H403549-16)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	3320	16.0	11/20/2014	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	<100	100	11/20/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	15900	100	11/20/2014	ND	194	96.8	200	0.864	


Surrogate: 1-Chlorooctane 141 % 47.2-157

Surrogate: 1-Chlorooctadecane 476 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
Reported: 11/25/2014
Project Name: PLU #274
Project Number: NONE GIVEN
Project Location: UL-O SEC. 12, T29S, R29E

Sampling Date: 11/17/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 (1') (H403549-17)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	11/20/2014	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	11/20/2014	ND	191	95.6	200	1.99	
DRO >C10-C28	268	10.0	11/20/2014	ND	194	96.8	200	0.864	

Surrogate: 1-Chlorooctane 128 % 47.2-157

Surrogate: 1-Chlorooctadecane 151 % 52.1-176

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Analytical Results For:

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

Received: 11/18/2014
Reported: 11/25/2014
Project Name: PLU #274
Project Number: NONE GIVEN
Project Location: UL-O SEC. 12, T29S, R29E

Sampling Date: 11/17/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 (2') (H403549-18)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 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	1720	16.0	11/20/2014	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	11/20/2014	ND	192	96.0	200	1.02	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	198	98.8	200	0.794	

Surrogate: 1-Chlorooctane 118 % 47.2-157

Surrogate: 1-Chlorooctadecane 133 % 52.1-176

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Hope S. Moreno For Caley 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 (3') (H403549-19)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEx	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 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	1840	16.0	11/20/2014	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	11/20/2014	ND	192	96.0	200	1.02	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	198	98.8	200	0.794	


Surrogate: 1-Chlorooctane 132 % 47.2-157

Surrogate: 1-Chlorooctadecane 145 % 52.1-176

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

Received: 11/18/2014
Reported: 11/25/2014
Project Name: PLU #274
Project Number: NONE GIVEN
Project Location: UL-O SEC. 12, T29S, R29E

Sampling Date: 11/17/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 (4') (H403549-20)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEx	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 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	1630	16.0	11/20/2014	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	11/20/2014	ND	192	96.0	200	1.02	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	198	98.8	200	0.794	

Surrogate: 1-Chlorooctane 120 % 47.2-157

Surrogate: 1-Chlorooctadecane 130 % 52.1-176

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

 Received: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 (5') (H403549-21)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEx	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 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	320	16.0	11/20/2014	ND	416	104	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	11/20/2014	ND	192	96.0	200	1.02	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	198	98.8	200	0.794	

Surrogate: 1-Chlorooctane 125 % 47.2-157

Surrogate: 1-Chlorooctadecane 137 % 52.1-176

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

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

 Received: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/18/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 8 (SURFACE) (H403549-22)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEx	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 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	11/20/2014	ND	416	104	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	11/20/2014	ND	192	96.0	200	1.02	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	198	98.8	200	0.794	

Surrogate: 1-Chlorooctane 119 % 47.2-157

Surrogate: 1-Chlorooctadecane 132 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
Reported: 11/25/2014
Project Name: PLU #274
Project Number: NONE GIVEN
Project Location: UL-O SEC. 12, T29S, R29E

Sampling Date: 11/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 8 (2') (H403549-23)

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	11/24/2014	ND	1.76	88.0	2.00	4.65		
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47		
Total BTEX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 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	11/20/2014	ND	416	104	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	11/20/2014	ND	182	90.8	200	3.28	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	182	90.8	200	3.21	


Surrogate: 1-Chlorooctane 122 % 47.2-157

Surrogate: 1-Chlorooctadecane 139 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/18/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 9 (SURFACE) (H403549-24)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/24/2014	ND	1.85	92.5	2.00	7.25	
Toluene*	1.76	0.200	11/24/2014	ND	1.78	89.0	2.00	6.06	
Ethylbenzene*	0.917	0.200	11/24/2014	ND	1.74	87.1	2.00	6.62	
Total Xylenes*	6.39	0.600	11/24/2014	ND	5.27	87.8	6.00	6.90	
Total BTEX	9.14	1.20	11/24/2014	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	11/20/2014	ND	416	104	400	3.92		

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	320	50.0	11/20/2014	ND	182	90.8	200	3.28	
DRO >C10-C28	18600	50.0	11/20/2014	ND	182	90.8	200	3.21	

Surrogate: 1-Chlorooctane 161 % 47.2-157

Surrogate: 1-Chlorooctadecane 699 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/18/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 9 (1') (H403549-25)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	11/24/2014	ND	1.85	92.5	2.00	7.25	
Toluene*	43.8	5.00	11/24/2014	ND	1.78	89.0	2.00	6.06	
Ethylbenzene*	17.1	5.00	11/24/2014	ND	1.74	87.1	2.00	6.62	
Total Xylenes*	108	15.0	11/24/2014	ND	5.27	87.8	6.00	6.90	
Total BTEX	171	30.0	11/24/2014	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	11/20/2014	ND	416	104	400	3.92	

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	4380	100	11/20/2014	ND	182	90.8	200	3.28	
DRO >C10-C28	15500	100	11/20/2014	ND	182	90.8	200	3.21	

Surrogate: 1-Chlorooctane 259 % 47.2-157

Surrogate: 1-Chlorooctadecane 402 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/18/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 9 (2') (H403549-26)

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	11/24/2014	ND	1.85	92.5	2.00	7.25	
Toluene*	0.054	0.050	11/24/2014	ND	1.78	89.0	2.00	6.06	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.74	87.1	2.00	6.62	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.27	87.8	6.00	6.90	
Total BTEx	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	288	16.0	11/20/2014	ND	416	104	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	10.4	10.0	11/20/2014	ND	182	90.8	200	3.28	
DRO >C10-C28	344	10.0	11/20/2014	ND	182	90.8	200	3.21	

Surrogate: 1-Chlorooctane 120 % 47.2-157

Surrogate: 1-Chlorooctadecane 137 % 52.1-176

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Hope S. Moreno For 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: 11/18/2014
 Reported: 11/25/2014
 Project Name: PLU #274
 Project Number: NONE GIVEN
 Project Location: UL-O SEC. 12, T29S, R29E

 Sampling Date: 11/18/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 9 (3') (H403549-27)

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	11/24/2014	ND	1.85	92.5	2.00	7.25		
Toluene*	<0.050	0.050	11/24/2014	ND	1.78	89.0	2.00	6.06		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.74	87.1	2.00	6.62		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.27	87.8	6.00	6.90		
Total BTX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	208	16.0	11/20/2014	ND	416	104	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	11/20/2014	ND	182	90.8	200	3.28	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	182	90.8	200	3.21	


Surrogate: 1-Chlorooctane 122 % 47.2-157

Surrogate: 1-Chlorooctadecane 140 % 52.1-176

Cardinal Laboratories

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

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

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

#54

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 #274

Location UL-O Sec. 12, T29S, R29E

Project Reference

EPI Sampler Name David Robinson

Bill To

ANALYSIS REQUEST

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

LAB I.D.

SAMPLE I.D.

H403549

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		DATE	TIME	BTX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:		ICE/COOL	OTHER										
11	SP6 (Surface)	G	1			X					X		17-Nov-14	12:45	X	X	X					
12	SP6 (1')	G	1			X					X		17-Nov-14	12:46	X	X	X					
13	SP6 (2')	G	1			X					X		17-Nov-14	12:47	X	X	X					
14	SP6 (3')	G	1			X					X		17-Nov-14	1:10	X	X	X					
15	SP6 (4')	G	1			X					X		17-Nov-14	1:11	X	X	X					
16	SP7 (Surface)	G	1			X					X		17-Nov-14	1:35	X	X	X					
17	SP7 (1')	G	1			X					X		17-Nov-14	1:36	X	X	X					
18	SP7 (2')	G	1			X					X		17-Nov-14	1:37	X	X	X					
19	SP7 (3')	G	1			X					X		17-Nov-14	1:55	X	X	X					
20	SP7 (4')	G	1			X					X		17-Nov-14	1:56	X	X	X					

Sampler Relinquished:

Date 11/19/14 Received By: [Signature]

Relinquished by:

Date 11/18/14

Received By: [Signature]

Delivered by:

Date 11/18/14

Received By: [Signature]

E-mail results to: ddominguezepi@gmail.com & bblevins@basspet.com
NOTES: & 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 #274

Location UL-O Sec. 12, T29S, R29E

Project Reference

EPI Sampler Name David Robinson

Bill To

ANALYSIS REQUEST

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

LAB I.D.

SAMPLE I.D.

H4D3549

LAB I.D.		SAMPLE I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
						GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:		ACID/BASE	ICE/COOL								
H4D3549		21	SP7 (5')	G	1			X				X		17-Nov-14	2:15	X	X	X				
		22	SP8 (Surface)	G	1			X				X		19-Nov-14	9:55	X	X	X				
		23	SP8 (2')	G	1			X				X		19-Nov-14	9:57	X	X	X				
		24	SP9 (Surface)	G	1			X				X		19-Nov-14	10:45	X	X	X				
		25	SP9 (1')	G	1			X				X		19-Nov-14	10:46	X	X	X				
		26	SP9 (2')	G	1			X				X		19-Nov-14	10:47	X	X	X				
		27	SP9 (3')	G	1			X				X		19-Nov-14	10:48	X	X	X				
		28																				
		29																				
		30																				

Sampler Relinquished:

Relinquished by:

Delivered by:

Date 4/15/14

Time 3:43 PM

Date 4/15/14

Time 3:43 PM

Received By:

Received By: (lab staff)

Sample Cool & Intact

Yes No

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

NOTES: & tasavole@basspet.com

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

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

NM OIL CONSERVATION

ARTESIA DISTRICT

SEP 22 2014

Form C-141
Revised August 8, 2011

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

RECEIVED

Release Notification and Corrective Action

NAB14210021945

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: BOPCO, L.P.	Contact: Tony Savoie
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329
Facility Name: Poker Lake Unit 274 Tank Battery	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-35138
------------------------	------------------------	----------------------

LOCATION OF RELEASE

Unit Letter O	Section 12	Township 24S	Range 29E	Feet from the 360	North/South Line South	Feet from the 2310	East/West Line East	County Eddy
------------------	---------------	-----------------	--------------	----------------------	---------------------------	-----------------------	------------------------	----------------

Latitude N 32.225443 Longitude W 103.936917

NATURE OF RELEASE

Type of Release: Crude oil	Volume of Release: 7 bbls.	Volume Recovered: None
Source of Release: Tank Battery Flare	Date and Hour of Occurrence: 9/3/14 time unknown	Date and Hour of Discovery: 9/3/14 at approximately 9:40 a.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 float inside the free water knock out failed to shut of the fluid level causing oil to pressure up and go out the flare line. The float system was repaired.

Describe Area Affected and Cleanup Action Taken.*
The release impacted approximately 19,600 sq.ft of tank battery and well pad area with heavy to moderate oil saturation. The release also misted an area of approximately 49,200 sq.ft. in the pasture north west of the tank battery location. The area was reviewed by EH&S on 9/11/14; there had been a significant rain event, there was very little oil residue remaining on the vegetation. The saturated soil on the pad had been scraped up and stockpiled on-site. The final remediation will comply with the NMOCD and BLM remediation 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: Tony Savoie	OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie	Approved by Environmental Specialist: [Signature]	
Title: Waste Management and Remediation Specialist	Approval Date: 9/23/14	Expiration Date: NA
E-mail Address: tasavoie@basspet.com	Conditions of Approval: per O.C.D. Rules & Guidelines REMEDIAL PROPOSAL NO	Attached <input type="checkbox"/>
Date: 9/22/14	Phone: 432-556-8730	

* Attach Additional Sheets If Necessary

DATE: 10/23/14

2RP-2507

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

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: BOPCO, L.P.	Contact: Bradley Blevins
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329
Facility Name: Poker Lake Unit 274 Tank Battery	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-35138
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LOCATION OF RELEASE

Unit Letter O	Section 12	Township 24S	Range 29E	Feet from the 360	North/South Line South	Feet from the 2310	East/West Line East	County Eddy
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Latitude: N 32.225443° Longitude: W 103.936917°

NATURE OF RELEASE

Type of Release: crude oil	Volume of Release: 7 bbls	Volume Recovered: 0 bbls
Source of Release: tank battery flare	Date and Hour of Occurrence: 9/3/14 @ unknown	Date and Hour of Discovery: 9/3/14 @ approx. 9:40 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	

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

Describe Cause of Problem and Remedial Action Taken.*

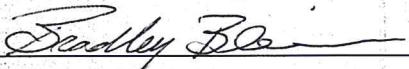
The float inside the free water knock out failed to shut of the fluid level causing oil to pressure up and go out the flare line. The float system was repaired.

Describe Area Affected and Cleanup Action Taken.*

The release impacted approximately 19,600 sq. ft. of tank battery and well pad area with heavy to moderate oil saturation. The release also misted an area of approximately 49,200 sq. ft. in the pasture north west of the tank battery location. The area was reviewed by EH&S on 9/11/14; there had been a significant rain event, there was very little oil residue remaining on the vegetation. The saturated soil on the pad had been scraped up and stockpiled onsite. Soil samples were collected, analyzed and based on laboratory analytical results the release area has been excavated and contaminated soil hauled to a state approved disposal facility. The excavation has been backfilled with clean soil. The area has been remediated in accordance with the NMOCD and BLM remediation 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.

OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist:		
Printed Name: Bradley Blevins			
Title: Assistant Remediation Foreman	Approval Date:	Expiration Date:	
E-mail Address: bblevins@basspet.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>12-23-14</u>	Phone: 432-214-3704		

* Attach Additional Sheets If Necessary