

ENVIRONMENTAL PLUS, INC.

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



CLOSURE REPORT

BOPCO, LP
POKER LAKE UNIT #423H
Eddy County, New Mexico
Unit Letter "T", Section 19, Township 25 South, Range 30 East
Latitude 32.113234 North, Longitude 103.915246 West
NMOCD Reference #2RP-2413

Prepared For:

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

Prepared By:

Environmental Plus Inc.
2100 Ave O
Eunice, NM 88231

October 2014

Daniel Dominguez
Project Manager



9 October 2014

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

RE: Final Closure Report
Bopco – Poker Lake Unit #423H
UL-I, Section 19, Township 25 South, Range 30 East
Eddy County, New Mexico
NMOCD Reference # 2RP 2413

Mr. Bratcher:

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

Background Information:

A gasket failed on the man way cover on the free water knock out. The production was switched out of the vessel and vacuum trucks were dispatched to the location.

Remediation Activities:

EPI personnel mobilized on the site on August 1, 2014 to collect soil samples via sample trench to determine the vertical extent of contamination. A total of twenty-three (23) soil samples were collected and sent to Cardinal Labs in Hobbs, New Mexico, for testing. Laboratory analytical results indicate 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, at surface level in samples SP1 – SP4. Benzene, BTEX, and TPH concentrations exceed NMOCD RRALs at surface level in SP5 and at one (1) foot bgs in sample SP6. Chloride concentrations do not exceed NMOCD RRALs at sample points SP5 or SP6 (reference *Figure 3* and *Table 2*).

From August 8 – 18, 2014 approximately 350 cubic yards of contaminated material were excavated and transported to Lea Land for disposal. The release area off the caliche pad was excavated approximately two (2) feet bgs and the release area inside the berm was excavated by hand to a depth of approximately one (1) foot bgs.

Closure Activities:

On August 21 and 22, 2014 EPI personnel mobilized on site and thoroughly sprayed the release area within the berm with a six (6) percent solution of Micro-Blaze. After application of Micro-Blaze the area was tilled with a hand tiller to allow deeper penetration of Micro-Blaze. From August 25 – 29 the excavation outside the berm was backfilled with clean soil. The area inside the berm was backfilled with clean caliche and covered with a layer of pea gravel. The area

outside the berm was contoured to blend with existing pasture area and pad to protect against wind/water erosion. The disturbed area off the working location and caliche pad will be disced and deep drill seeded with a mixture approved by the property owner. However, it is recommended completing this activity in late spring 2015 when ground conditions are more conducive to vegetative growth.

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,

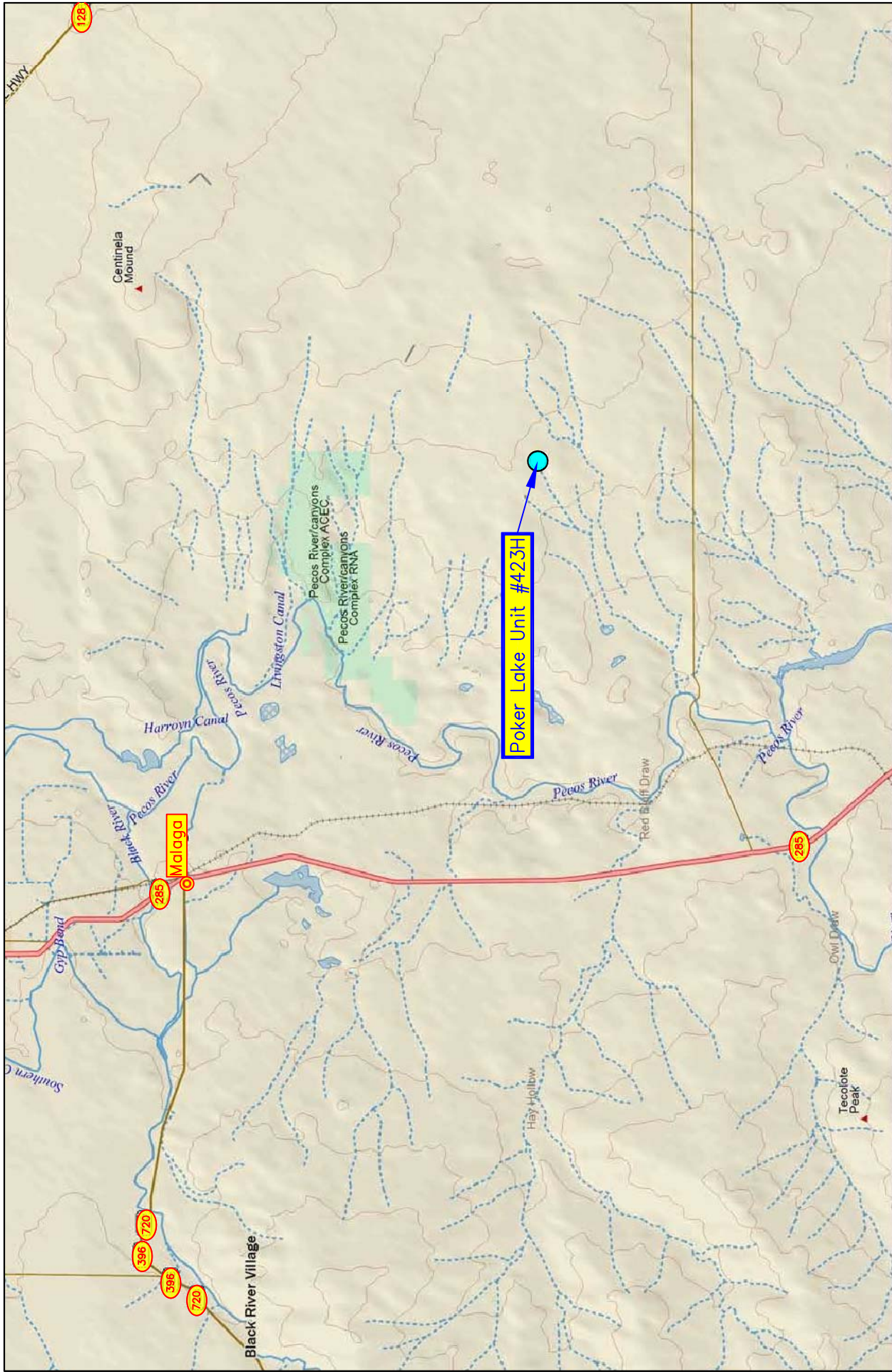
ENVIRONMENTAL PLUS, INC.

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



<p>Figure 1 Area Map Bopco, L.P. Poker Lake Unit #423H</p>	<p>Eddy County, New Mexico NE 1/4 of SE 1/4, Sec. 19, T25S, R30E N 32°6' 47.64" W 103°54' 54.89" Elevation: 3,192 feet amsl</p>	<p>DWG By: D Dominguez October 2014</p> <p>REVISED:</p> <p>6 SHEET 1 of 1</p> <p>0 3 6 Miles</p>
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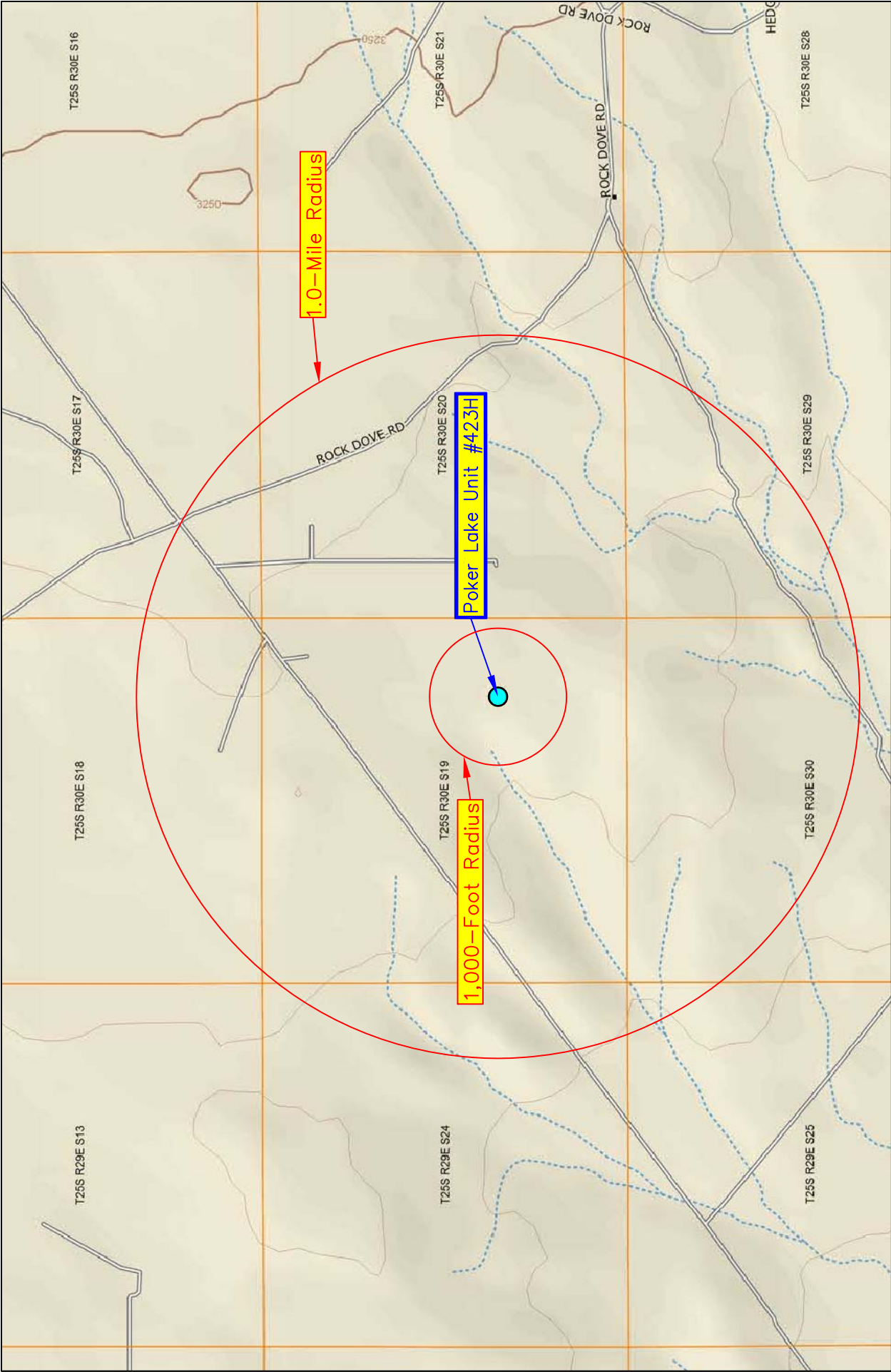


Figure 2 Site Location Map Bopco, L.P. Poker Lake Unit #423H	Eddy County, New Mexico NE 1/4 of SE 1/4, Sec. 19, T25S, R30E N 32°6' 47.64" W 103°54' 54.89" Elevation: 3,192 feet amsl		DWG By: D Dominguez October 2014		REVISED:			
			0		2,000		4,000	SHEET
							1 of 1	
				Feet				



<p>LEGEND</p> <p>XSP1 Sample Point</p>	<p>REVISED:</p>		<p>DWG By: D Dominguez October 2014</p>	<p>Eddy County, New Mexico NE 1/4 of SE 1/4, Sec. 19, T25S, R30E N 32°6' 47.64" W 103°54' 54.89" Elevation: 3,192 feet amsl</p>
	<p>0 30 60 Feet</p>	<p>SHEET 1 of 1</p>	<p>Figure 3 Site/Sample Map Bopco, L.P. Poker Lake Unit #423H</p>	

TABLES

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Bopco L.P.
Poker Lake Unit #423H

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEx (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	EXT DRO C28-C35 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP1	Surface	Excavated	01-Aug-14	732	>4,000	2.84	19	13.6	57.4	92.8	1,570	17,000	3,000	21,570	14,000
	1	Excavated	01-Aug-14	121	240	<0.050	0.055	0.065	0.250	0.370	20.9	108	31.2	160	208
	2	In Situ	01-Aug-14	8.2	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	48
	3	In Situ	01-Aug-14	7.9	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	32
SP2	Surface	Excavated	01-Aug-14	--	--	0.578	5.68	6.23	27.6	40.1	838	12,700	2,210	15,748	13,800
	1	Excavated	01-Aug-14	308	240	<0.050	0.062	0.054	0.259	0.375	20.8	53	20.5	94	224
	2	In Situ	01-Aug-14	56.0	240	<0.050	0.135	0.082	0.366	0.583	<10.0	<10.0	<10.0	<30.0	288
SP3	Surface	Excavated	01-Aug-14	--	--	1.88	19.8	16.7	72.6	111	1,510	17,100	3,480	22,090	24,000
	1	Excavated	01-Aug-14	42.0	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	384
	2	In Situ	01-Aug-14	12.2	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	3	In Situ	01-Aug-14	10.6	120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	64
SP4	Surface	Excavated	01-Aug-14	--	--	1.59	48.7	30.7	166	247	4,650	18,100	2,960	25,710	10,600
	1	Excavated	01-Aug-14	79.4	120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	96
	2	In Situ	01-Aug-14	20.4	120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	3	In Situ	01-Aug-14	8.6	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
SP5	Surface	Excavated	01-Aug-14	--	--	<0.050	22.5	23.6	140	186	5,130	27,800	4,450	37,380	128
	1	Excavated	01-Aug-14	450	120	<0.050	<0.050	<0.050	0.221	0.221	30	309	56.2	395	128
	2	In Situ	01-Aug-14	5.8	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	32
	3	In Situ	01-Aug-14	7.0	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	224

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Bopco L.P.
Poker Lake Unit #423H

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	EXT DRO C28-C35 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP6	Surface	Excavated	01-Aug-14	--	--	1.58	48.6	31.4	170	252	6,240	29,700	5,110	41,050	128
	1	Excavated	01-Aug-14	2,199	80	<0.050	26.8	20.3	116	164	4,000	14,000	2,210	20,210	32
	2	Excavated	01-Aug-14	4.3	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	3	In Situ	01-Aug-14	5.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	48
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 – Lease sign



Photograph #2 – Looking across release area



Photograph #3 – Looking across release area



Photograph #4 – Looking across release area



Photograph #5 – Looking across release area



Photograph #6 – Looking across release area



Photograph #7 – Excavated area



Photograph #8 – Excavated area



Photograph #9 – Excavated area



Photograph #10 – Excavated area



Photograph #11 – Tilling after application of Micro-Blaze



Photograph #12 – Application of Micro-Blaze



Photograph #13 – Application of Micro-Blaze



Photograph #14 – Application of Micro-Blaze



Photograph #15 – Backfilled area



Photograph #16 – Backfilled area



Photograph #17 – Backfilled area



Photograph #18 – Backfilled area



Photograph #19 – Backfilled area



Photograph #20 – Backfilled area

ATTACHMENT II
Laboratory Analytical Results



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

August 11, 2014

CODY RIDGE

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU #423

Enclosed are the results of analyses for samples received by the laboratory on 08/04/14 16:17.

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 "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 1 (SURFACE) (H402382-01)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.84	0.200	08/05/2014	ND	2.07	103	2.00	1.58	
Toluene*	19.0	0.200	08/05/2014	ND	2.10	105	2.00	1.01	
Ethylbenzene*	13.6	0.200	08/05/2014	ND	2.13	106	2.00	1.52	
Total Xylenes*	57.4	0.600	08/05/2014	ND	6.66	111	6.00	3.49	
Total BTX	92.8	1.20	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 282 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	08/07/2014	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	1570	100	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	17000	50.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	3000	50.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 162 % 65.2-140

Surrogate: 1-Chlorooctadecane 436 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 1 (1') (H402382-02)

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	08/05/2014	ND	2.07	103	2.00	1.58	
Toluene*	0.055	0.050	08/05/2014	ND	2.10	105	2.00	1.01	
Ethylbenzene*	0.065	0.050	08/05/2014	ND	2.13	106	2.00	1.52	
Total Xylenes*	0.250	0.150	08/05/2014	ND	6.66	111	6.00	3.49	
Total BTEX	0.370	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

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	08/07/2014	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	20.9	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	108	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	31.2	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 90.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 1 (2') (H402382-03)

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	08/05/2014	ND	2.07	103	2.00	1.58	
Toluene*	<0.050	0.050	08/05/2014	ND	2.10	105	2.00	1.01	
Ethylbenzene*	<0.050	0.050	08/05/2014	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	08/05/2014	ND	6.66	111	6.00	3.49	
Total BTX	<0.300	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/07/2014	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	<20.0	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	<10.0	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	<10.0	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 82.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.8 % 63.6-154

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*=Accredited Analyte

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

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 1 (3') (H402382-04)

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	08/05/2014	ND	2.07	103	2.00	1.58	
Toluene*	<0.050	0.050	08/05/2014	ND	2.10	105	2.00	1.01	
Ethylbenzene*	<0.050	0.050	08/05/2014	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	08/05/2014	ND	6.66	111	6.00	3.49	
Total BTEX	<0.300	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126

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	08/07/2014	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	<20.0	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	<10.0	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	<10.0	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 81.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.4 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 2 (SURFACE) (H402382-05)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.578	0.200	08/05/2014	ND	2.07	103	2.00	1.58	
Toluene*	5.68	0.200	08/05/2014	ND	2.10	105	2.00	1.01	
Ethylbenzene*	6.23	0.200	08/05/2014	ND	2.13	106	2.00	1.52	
Total Xylenes*	27.6	0.600	08/05/2014	ND	6.66	111	6.00	3.49	
Total BTX	40.1	1.20	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 263 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13800	16.0	08/07/2014	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	838	100	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	12700	50.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	2210	50.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 140 % 65.2-140

Surrogate: 1-Chlorooctadecane 327 % 63.6-154

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Analytical Results For:

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

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 2 (1') (H402382-06)

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	08/05/2014	ND	2.07	103	2.00	1.58	
Toluene*	0.062	0.050	08/05/2014	ND	2.10	105	2.00	1.01	
Ethylbenzene*	0.054	0.050	08/05/2014	ND	2.13	106	2.00	1.52	
Total Xylenes*	0.259	0.150	08/05/2014	ND	6.66	111	6.00	3.49	
Total BTEx	0.375	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/07/2014	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	20.8	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	53.1	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	20.5	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 92.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 2 (2') (H402382-07)

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	08/05/2014	ND	2.07	103	2.00	1.58	
Toluene*	0.135	0.050	08/05/2014	ND	2.10	105	2.00	1.01	
Ethylbenzene*	0.082	0.050	08/05/2014	ND	2.13	106	2.00	1.52	
Total Xylenes*	0.366	0.150	08/05/2014	ND	6.66	111	6.00	3.49	
Total BTEX	0.583	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/07/2014	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	<20.0	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	<10.0	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	<10.0	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 85.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.3 % 63.6-154

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Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 3 (SURFACE) (H402382-08)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.88	0.200	08/05/2014	ND	2.07	103	2.00	1.58	
Toluene*	19.8	0.200	08/05/2014	ND	2.10	105	2.00	1.01	
Ethylbenzene*	16.7	0.200	08/05/2014	ND	2.13	106	2.00	1.52	
Total Xylenes*	72.6	0.600	08/05/2014	ND	6.66	111	6.00	3.49	
Total BTEX	111	1.20	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 319 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24000	16.0	08/07/2014	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	1510	100	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	17100	50.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	3480	50.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 159 % 65.2-140

Surrogate: 1-Chlorooctadecane 470 % 63.6-154

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Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 3 (1') (H402382-09)

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	08/05/2014	ND	2.07	103	2.00	1.58	
Toluene*	<0.050	0.050	08/05/2014	ND	2.10	105	2.00	1.01	
Ethylbenzene*	<0.050	0.050	08/05/2014	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	08/05/2014	ND	6.66	111	6.00	3.49	
Total BTEX	<0.300	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	08/07/2014	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	<20.0	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	<10.0	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	<10.0	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 84.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.0 % 63.6-154

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Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 3 (2') (H402382-10)

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	08/05/2014	ND	2.07	103	2.00	1.58	
Toluene*	<0.050	0.050	08/05/2014	ND	2.10	105	2.00	1.01	
Ethylbenzene*	<0.050	0.050	08/05/2014	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	08/05/2014	ND	6.66	111	6.00	3.49	
Total BTX	<0.300	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 89.4-126

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	08/07/2014	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	<20.0	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	<10.0	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	<10.0	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 90.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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 Fax To: (505) 394-2601

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 3 (3') (H402382-11)

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	08/05/2014	ND	2.07	103	2.00	1.58	
Toluene*	<0.050	0.050	08/05/2014	ND	2.10	105	2.00	1.01	
Ethylbenzene*	<0.050	0.050	08/05/2014	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	08/05/2014	ND	6.66	111	6.00	3.49	
Total BTEX	<0.300	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 89.4-126

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	08/07/2014	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	<20.0	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	<10.0	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	<10.0	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 91.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 4 (SURFACE) (H402382-12)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.59	0.500	08/06/2014	ND	1.73	86.5	2.00	9.08	
Toluene*	48.7	0.500	08/06/2014	ND	1.73	86.5	2.00	8.92	
Ethylbenzene*	30.7	0.500	08/06/2014	ND	1.70	85.2	2.00	9.77	
Total Xylenes*	166	1.50	08/06/2014	ND	5.48	91.4	6.00	10.8	
Total BTEX	247	3.00	08/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10600	16.0	08/07/2014	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	4650	200	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	18100	100	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	2960	100	08/05/2014	ND					

Surrogate: 1-Chlorooctane 271 % 65.2-140

Surrogate: 1-Chlorooctadecane 408 % 63.6-154

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Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 4 (1') (H402382-13)

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	08/06/2014	ND	1.73	86.5	2.00	9.08	
Toluene*	<0.050	0.050	08/06/2014	ND	1.73	86.5	2.00	8.92	
Ethylbenzene*	<0.050	0.050	08/06/2014	ND	1.70	85.2	2.00	9.77	
Total Xylenes*	<0.150	0.150	08/06/2014	ND	5.48	91.4	6.00	10.8	
Total BTEX	<0.300	0.300	08/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

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	08/07/2014	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	<20.0	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	<10.0	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	<10.0	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 86.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.5 % 63.6-154

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Analytical Results For:

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

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 4 (2') (H402382-14)

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	08/05/2014	ND	1.73	86.5	2.00	9.08	
Toluene*	<0.050	0.050	08/05/2014	ND	1.73	86.5	2.00	8.92	
Ethylbenzene*	<0.050	0.050	08/05/2014	ND	1.70	85.2	2.00	9.77	
Total Xylenes*	<0.150	0.150	08/05/2014	ND	5.48	91.4	6.00	10.8	
Total BTEX	<0.300	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

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	08/07/2014	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	<20.0	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	<10.0	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	<10.0	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 97.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Analytical Results For:

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

Received: 08/04/2014
 Reported: 08/11/2014
 Project Name: PLU #423
 Project Number: NONE GIVEN
 Project Location: UL-SEC. 19, T25S, R30E BOPCO

Sampling Date: 08/01/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 (3') (H402382-15)

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	08/05/2014	ND	1.73	86.5	2.00	9.08	
Toluene*	<0.050	0.050	08/05/2014	ND	1.73	86.5	2.00	8.92	
Ethylbenzene*	<0.050	0.050	08/05/2014	ND	1.70	85.2	2.00	9.77	
Total Xylenes*	<0.150	0.150	08/05/2014	ND	5.48	91.4	6.00	10.8	
Total BTEX	<0.300	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

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	08/07/2014	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	<20.0	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	<10.0	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	<10.0	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 88.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.7 % 63.6-154

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 Fax To: (505) 394-2601

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 5 (SURFACE) (H402382-16)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/06/2014	ND	1.73	86.5	2.00	9.08	
Toluene*	22.5	0.500	08/06/2014	ND	1.73	86.5	2.00	8.92	
Ethylbenzene*	23.6	0.500	08/06/2014	ND	1.70	85.2	2.00	9.77	
Total Xylenes*	140	1.50	08/06/2014	ND	5.48	91.4	6.00	10.8	
Total BTEX	186	3.00	08/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 89.4-126

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	08/07/2014	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	5130	100	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	27800	50.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	4450	50.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 412 % 65.2-140

Surrogate: 1-Chlorooctadecane 607 % 63.6-154

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Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 5 (1') (H402382-17)

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	08/06/2014	ND	1.73	86.5	2.00	9.08	
Toluene*	<0.050	0.050	08/06/2014	ND	1.73	86.5	2.00	8.92	
Ethylbenzene*	<0.050	0.050	08/06/2014	ND	1.70	85.2	2.00	9.77	
Total Xylenes*	0.221	0.150	08/06/2014	ND	5.48	91.4	6.00	10.8	
Total BTEX	<0.300	0.300	08/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

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	08/07/2014	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	30.0	20.0	08/05/2014	10.1	197	98.5	200	1.02	
DRO >C10-C28	309	10.0	08/05/2014	ND	207	103	200	0.873	
EXT DRO >C28-C35	56.2	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 92.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 5 (2') (H402382-18)

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	08/05/2014	ND	1.73	86.5	2.00	9.08	
Toluene*	<0.050	0.050	08/05/2014	ND	1.73	86.5	2.00	8.92	
Ethylbenzene*	<0.050	0.050	08/05/2014	ND	1.70	85.2	2.00	9.77	
Total Xylenes*	<0.150	0.150	08/05/2014	ND	5.48	91.4	6.00	10.8	
Total BTEX	<0.300	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

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	08/07/2014	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	08/05/2014	ND	198	99.1	200	1.77	
DRO >C10-C28	<10.0	10.0	08/05/2014	ND	200	100	200	0.848	
EXT DRO >C28-C35	<10.0	10.0	08/05/2014	ND					

Surrogate: 1-Chlorooctane 92.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.5 % 63.6-154

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 Fax To: (505) 394-2601

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 5 (3') (H402382-19)

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	08/05/2014	ND	1.73	86.5	2.00	9.08	
Toluene*	<0.050	0.050	08/05/2014	ND	1.73	86.5	2.00	8.92	
Ethylbenzene*	<0.050	0.050	08/05/2014	ND	1.70	85.2	2.00	9.77	
Total Xylenes*	<0.150	0.150	08/05/2014	ND	5.48	91.4	6.00	10.8	
Total BTEX	<0.300	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/07/2014	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	08/06/2014	ND	198	99.1	200	1.77	
DRO >C10-C28	<10.0	10.0	08/06/2014	ND	200	100	200	0.848	
EXT DRO >C28-C35	<10.0	10.0	08/06/2014	ND					

Surrogate: 1-Chlorooctane 92.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.7 % 63.6-154

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 Fax To: (505) 394-2601

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 6 (SURFACE) (H402382-20)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.58	0.500	08/05/2014	ND	1.73	86.5	2.00	9.08	
Toluene*	48.6	0.500	08/05/2014	ND	1.73	86.5	2.00	8.92	
Ethylbenzene*	31.4	0.500	08/05/2014	ND	1.70	85.2	2.00	9.77	
Total Xylenes*	170	1.50	08/05/2014	ND	5.48	91.4	6.00	10.8	
Total BTEX	252	3.00	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 89.4-126

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	08/07/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	6240	100	08/06/2014	ND	198	99.1	200	1.77	
DRO >C10-C28	29700	100	08/06/2014	ND	200	100	200	0.848	
EXT DRO >C28-C35	5110	100	08/06/2014	ND					

Surrogate: 1-Chlorooctane 385 % 65.2-140

Surrogate: 1-Chlorooctadecane 62.8 % 63.6-154

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Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 6 (1') (H402382-21)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/05/2014	ND	1.73	86.5	2.00	9.08	
Toluene*	26.8	0.500	08/05/2014	ND	1.73	86.5	2.00	8.92	
Ethylbenzene*	20.3	0.500	08/05/2014	ND	1.70	85.2	2.00	9.77	
Total Xylenes*	116	1.50	08/05/2014	ND	5.48	91.4	6.00	10.8	
Total BTEx	164	3.00	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 89.4-126

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	08/07/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4000	50.0	08/06/2014	ND	198	99.1	200	1.77	
DRO >C10-C28	14000	50.0	08/06/2014	ND	200	100	200	0.848	
EXT DRO >C28-C35	2210	50.0	08/06/2014	ND					

Surrogate: 1-Chlorooctane 215 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 6 (2') (H402382-22)

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	08/05/2014	ND	1.73	86.5	2.00	9.08		
Toluene*	<0.050	0.050	08/05/2014	ND	1.73	86.5	2.00	8.92		
Ethylbenzene*	<0.050	0.050	08/05/2014	ND	1.70	85.2	2.00	9.77		
Total Xylenes*	<0.150	0.150	08/05/2014	ND	5.48	91.4	6.00	10.8		
Total BTEX	<0.300	0.300	08/05/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

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	08/07/2014	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	<20.0	20.0	08/06/2014	ND	198	99.1	200	1.77	
DRO >C10-C28	<10.0	10.0	08/06/2014	ND	200	100	200	0.848	
EXT DRO >C28-C35	<10.0	10.0	08/06/2014	ND					

Surrogate: 1-Chlorooctane 93.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.7 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/04/2014	Sampling Date:	08/01/2014
Reported:	08/11/2014	Sampling Type:	Soil
Project Name:	PLU #423	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-SEC. 19, T25S, R30E BOPCO		

Sample ID: SP 6 (3') (H402382-23)

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	08/05/2014	ND	1.73	86.5	2.00	9.08	
Toluene*	<0.050	0.050	08/05/2014	ND	1.73	86.5	2.00	8.92	
Ethylbenzene*	<0.050	0.050	08/05/2014	ND	1.70	85.2	2.00	9.77	
Total Xylenes*	<0.150	0.150	08/05/2014	ND	5.48	91.4	6.00	10.8	
Total BTX	<0.300	0.300	08/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/07/2014	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	08/06/2014	ND	198	99.1	200	1.77	
DRO >C10-C28	<10.0	10.0	08/06/2014	ND	200	100	200	0.848	
EXT DRO >C28-C35	<10.0	10.0	08/06/2014	ND					

Surrogate: 1-Chlorooctane 84.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.3 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

Cardinal Laboratories

*=Accredited Analyte

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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 Cody Ridge

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 #423

Location UL- Sec. 19, T25S, R30E

Project Reference

EPI Sampler Name David Robinson

BOPCO
Attn: Brad Blevins
522 W. Mernod, Suite 704
Carlsbad, NM 88220

LAB I.D.

SAMPLE I.D.

H402382

1	SP1 (Surface)	G	1		X				X	01-Aug-14	9:30	X	X	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			</
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Sampler Relinquished:

Date 8-1-14

Received By:

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

Relinquished by: David Robinson

Date 8/1/14

Received By: (lab staff)

NOTES:

Delivered by:

Date 8/1/14

Sample Cool & Intact

Checked By:

4.90

Yes

No

#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

Bill To

ANALYSIS REQUEST

Company Name Environmental Plus, Inc.
EPI Project Manager Cody Ridge
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 #423
Location UL- Sec. 19, T25S, R30E
Project Reference
EPI Sampler Name David Robinson

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

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							
H4021562	11 SP3 (3')	G	1			X				X		01-Aug-14	13:27	X	X	X						
	12 SP4 (Surface)	G	1			X				X		01-Aug-14	12:04	X	X	X						
	13 SP4 (1')	G	1			X				X		01-Aug-14	12:05	X	X	X						
	14 SP4 (2')	G	1			X				X		01-Aug-14	12:06	X	X	X						
	15 SP4 (3')	G	1			X				X		01-Aug-14	12:07	X	X	X						
	16 SP5 (Surface)	G	1			X				X		01-Aug-14	11:22	X	X	X						
	17 SP5 (1')	G	1			X				X		01-Aug-14	11:23	X	X	X						
	18 SP5 (2')	G	1			X				X		01-Aug-14	11:24	X	X	X						
	19 SP5 (3')	G	1			X				X		01-Aug-14	11:25	X	X	X						
	20 SP6 (Surface)	G	1			X				X		01-Aug-14	13:29	X	X	X						

Sampler Relinquished:

Date 8-1-14

Received By:

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

Relinquished by: David Robinson

Date 8-1-14

Received By: (lab staff)

NOTES:

Delivered by:

Date 8-1-14

Sample Col & Intact

Checked By:

#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.

Bill To

ANALYSIS REQUEST

EPI Project Manager Cody Ridge

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 #423

Location UL- Sec. 19, T25S, R30E

Project Reference

David Robinson

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

EPI Sampler Name

LAB I.D.

SAMPLE I.D.

1402382

(G)RAB OR (C)OMP.

CONTAINERS

GROUND WATER

WASTEWATER

SOIL

CRUDE OIL

SLUDGE

OTHER:

ACID/BASE

ICE/COOL

OTHER

DATE

TIME

BTEX 8021B

TPH 8015M

CHLORIDES (Cl⁻)

SULFATES (SO₄²⁻)

pH

TCLP

OTHER >>>

PAH

21 SP6 (1')

22 SP6 (2')

23 SP6 (3')

G 1

G 1

G 1

X

X

X

X

X

X

X

X

21 SP6 (1')

22 SP6 (2')

23 SP6 (3')

G 1

G 1

G 1

X

X

X

X

X

X

X

X

Sampler Relinquished:

Date 8-1-14

Received By:

E-mail results to codyridge.epi@gmail.com & bblevins@basspet.com

Relinquished By: David Robinson

Date 8-1-14

Received By: (lab staff)

NOTES:

Delivered by:

Date 8-1-14

Received By: (lab staff)

NOTES:

Delivered by:

Date 8-1-14

Received By: (lab staff)

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Delivered by:

Date 8-1-14

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Received By: (lab staff)

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Date 8-1-14

Received By: (lab staff)

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Delivered by:

Date 8-1-14

Received By: (lab staff)

NOTES:

Delivered by:

Date 8-1-14

Received By: (lab staff)

NOTES:

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

Form C-141

AUG 05 2014 Revised August 8, 2011

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

RECEIVED

Release Notification and Corrective Action

NAB/421832563

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 423 Tank Battery	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-40710
------------------------	------------------------	----------------------

LOCATION OF RELEASE

Unit Letter I	Section 19	Township 25S	Range 30E	Feet from the 1750	North/South Line South	Feet from the 880	East/West Line East	County Eddy
------------------	---------------	-----------------	--------------	-----------------------	---------------------------	----------------------	------------------------	----------------

Latitude N 32.113234 Longitude W 103.915246

NATURE OF RELEASE

Type of Release: Crude oil and produced water	Volume of Release: 140 bbls of crude oil and 280 bbls of produced water	Volume Recovered: 100 bbls of crude oil and 220 bbls of produced water
Source of Release: Failed gasket on hatch cover on the free water knock out.	Date and Hour of Occurrence: 7/27/14 time unknown	Date and Hour of Discovery: 7/28/14 at approximately 9:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher NMOCD and Jim Amos BLM	
By Whom?	Date and Hour: 7/28/14 at 3:08 p.m.	
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.*

A gasket failed on the man way cover on the free water knock out. The production was switched out of the vessel and vacuum trucks were dispatched to the location.

Describe Area Affected and Cleanup Action Taken.*

The spill impacted approximately 8,616 sq.ft. of earthen containment area around the process equipment, approximately 200 sq.ft. of pad area, and approximately 800 sq.ft. of pasture area on the west side of the pad area where the containment breached. All of the free standing fluid was recovered and placed back into the production tanks. A remediation crew "EPI" began removing the saturated soil from around the process equipment and stockpiling soil on-site. On 7/31/14 a backhoe was used to collect samples for vertical extent in six areas around the process area. Crews area still removing the impacted soil, this will continue until the impacted area complies with the NMOCD and BLM remediation guidelines. A closure report will be submitted following the remediation efforts.

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 Signed By: Mike Bratcher	
Printed Name: Tony Savoie	Approved by Environmental Specialist:	
Title: Waste Management and Remediation Specialist	Approval Date: 8/6/14	Expiration Date: N/A
E-mail Address: tasavoie@basspet.com	Conditions of Approval: Remediation Per O.C.D. Rule & Guidelines	Attached <input type="checkbox"/>
Date: 8/4/14	Phone: 432-556-8730	

* Attach Additional Sheets If Necessary

SUBMIT REMEDIATION PROPOSAL NO
LATER THAN: 9/6/14

2RP-2413

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: Poker Lake Unit 423 Tank Battery	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No.: 30-015-40710
------------------------	------------------------	-----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	19	25S	30E	1750	South	880	East	Eddy

Latitude: N 32° 6' 47.64" Longitude: W 103° 54' 54.89"

NATURE OF RELEASE

Type of Release: crude oil and produced water	Volume of Release: 140 bbl crude oil and 280 bbls PW	Volume Recovered: 100 bbls crude oil 220 bbls PW
Source of Release: Failed gasket on hatch cover on the free water knock out.	Date and Hour of Occurrence: 7/27/14 time unknown	Date and Hour of Discovery: 7/28/14 @ 9:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher NMOCD and Jim Amos BLM	
By Whom? Tony Savoie	Date and Hour: 7/28/14 @ 3:08 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

Depth to Water. ~250 ft bgs

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

Describe Cause of Problem and Remedial Action Taken.*

A gasket failed on the man way cover on the free water knock out. The production was switched out of the vessel and vacuum trucks were dispatched to the location.

Describe Area Affected and Cleanup Action Taken.*

The spill impacted approximately 8,616 sq. ft. of earthen containment area around the process equipment, approximately 200 sq. ft. of pad area, and approximately 800 sq. ft. of pasture area on the west side of the pad area where the containment breached. All of the free standing fluid was recovered and placed back into the production tanks. A remediation crew from EPI began removing the saturated soil from around the process equipment and stockpiling soil on-site. On 7/31/14 a backhoe was used to collect samples for vertical extent in six areas around the release area. Contaminated soil has been excavated and hauled to a state approved disposal facility and the excavation has been backfilled. The impacted area complies 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: <u>Bradley Blevins</u>		OIL CONSERVATION DIVISION	
Printed Name: Brad Blevins		Approved by District Supervisor:	
Title: EHS Asst. Remediation Foreman		Approval Date:	Expiration Date:
E-mail Address: bblevins@basspet.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>10-14-14</u> Phone: (432) 214-3704			

* Attach Additional Sheets If Necessary