

ENVIRONMENTAL PLUS INC

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



CLOSURE REPORT

**BOPCO, LP
POKER LAKE UNIT #78
Eddy County, New Mexico
Unit Letter "A", Section 25, Township 24 South, Range 30 East
Latitude 32.194222 North, Longitude 103.827411 West
NMOCD Reference #2RP-2372**

Prepared For:

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

Prepared By:

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

September 2014

**Daniel Dominguez
Project Manager**



29 September 2014

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

RE: Final Closure Report
Bopco – Poker Lake Unit #78
UL-A, Section 25, Township 24 South, Range 30 East
Eddy County, New Mexico
NMOCD Reference # 2RP 2372

Mr. Bratcher:

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

Background Information:

The heater treater pressured up and blew out the gasket on the bottom man-way hatch. The crews switched the production stream out of the heater treater and replaced the failed gasket.

Remediation Activities:

EPI personnel mobilized on the site on July 18, 2014 to collect soil samples and determine the vertical extent of contamination. A total of nineteen (19) soil samples were collected and sent to Cardinal Labs in Hobbs, New Mexico, for testing. Laboratory analytical results indicate the excavation in general is void of Benzene, BTEX, TPH and Chloride concentrations in excess of NMOCD Recommended Remedial Action Levels (RRALs) of 10 mg/Kg, 50 mg/Kg, 5,000 mg/Kg, and 1,000 mg/Kg, respectively. Sample SP2 indicates Chloride concentrations in excess of NMOCD RRALs to a depth of two (2) feet. Sample SP6 indicates BTEX and TPH concentrations in excess of NMOCD RRALs at surface level. Sample SP7 indicates TPH concentrations in excess of NMOCD RRALs at surface level (reference *Figure 4* and *Table 2*).

Throughout the month of August approximately 264 cubic yards of contaminated material were excavated and transported to Lea Land for disposal. The overspray area was excavated approximately six (6) inches deep and the release area was excavated to a depth of approximately one (1) to two (2) feet, depending on contamination levels.

Closure Activities:

Backfilling continued until the entire excavation was closed and the entire disturbed area was contoured to blend with existing pasture area and pad to protect against wind/water erosion. Disturbed areas 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 Map
Figure 4 – Sample Map 7/18/14
Table 1 – Well Data
Table 2 – Summary of Soil Sample Laboratory Analytical Results
Attachment I – Photographs
Attachment II – Laboratory Analytical Results
Attachment III – Copy of Initial NMOCD Form C-141, Final C-141

FIGURES

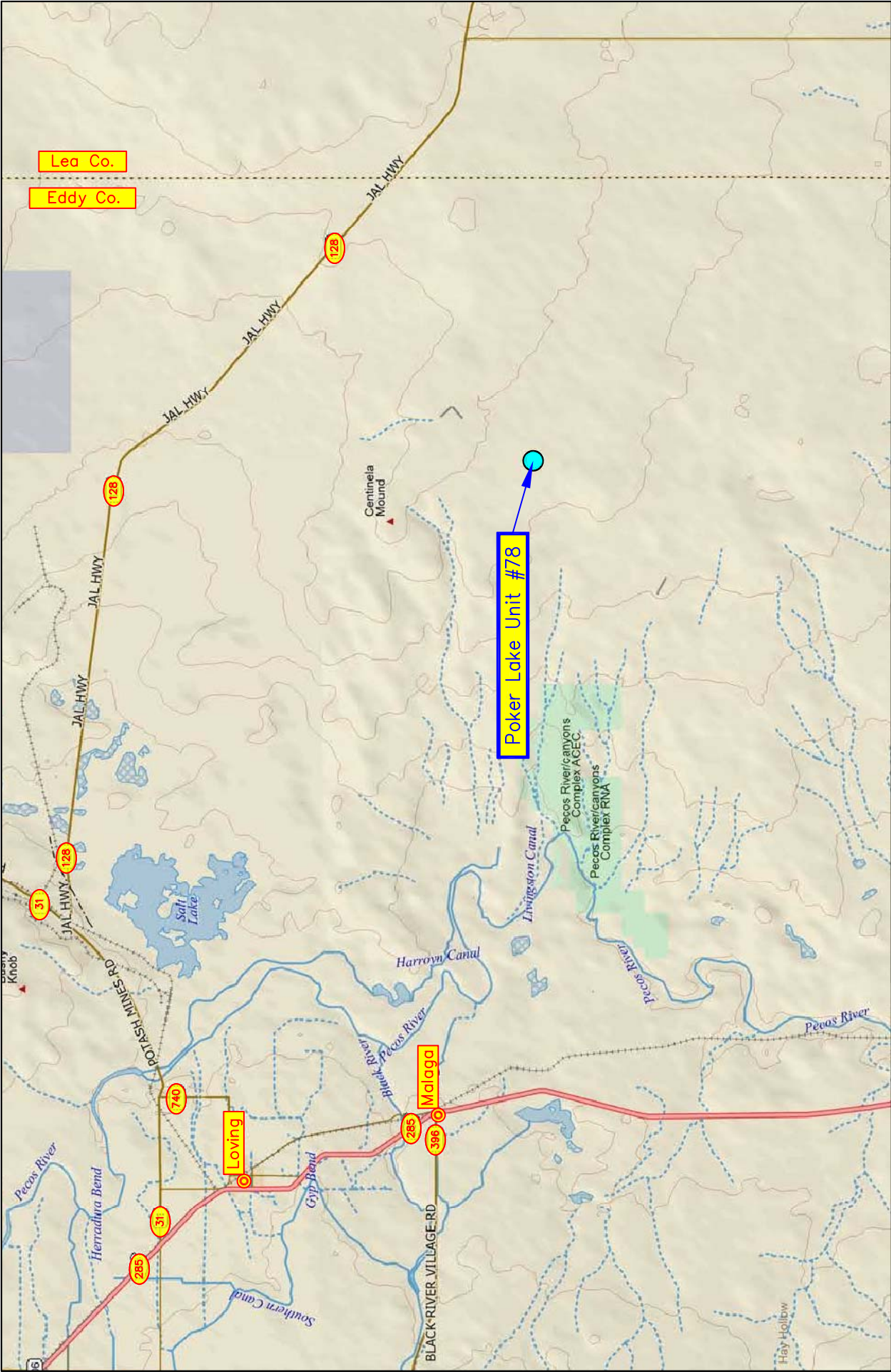


Figure 1 Area Map Bopco, L.P. Poker Lake Unit #78		Eddy County, New Mexico NE 1/4 of NE 1/4, Sec. 25, T24S, R30E N 32° 11' 39.37" W 103° 49' 40.14" Elevation: 3,442 feet amsl		DWG By: D Dominguez August 2014		REVISED:			
						0 3 6 Miles		SHEET 1 of 1	

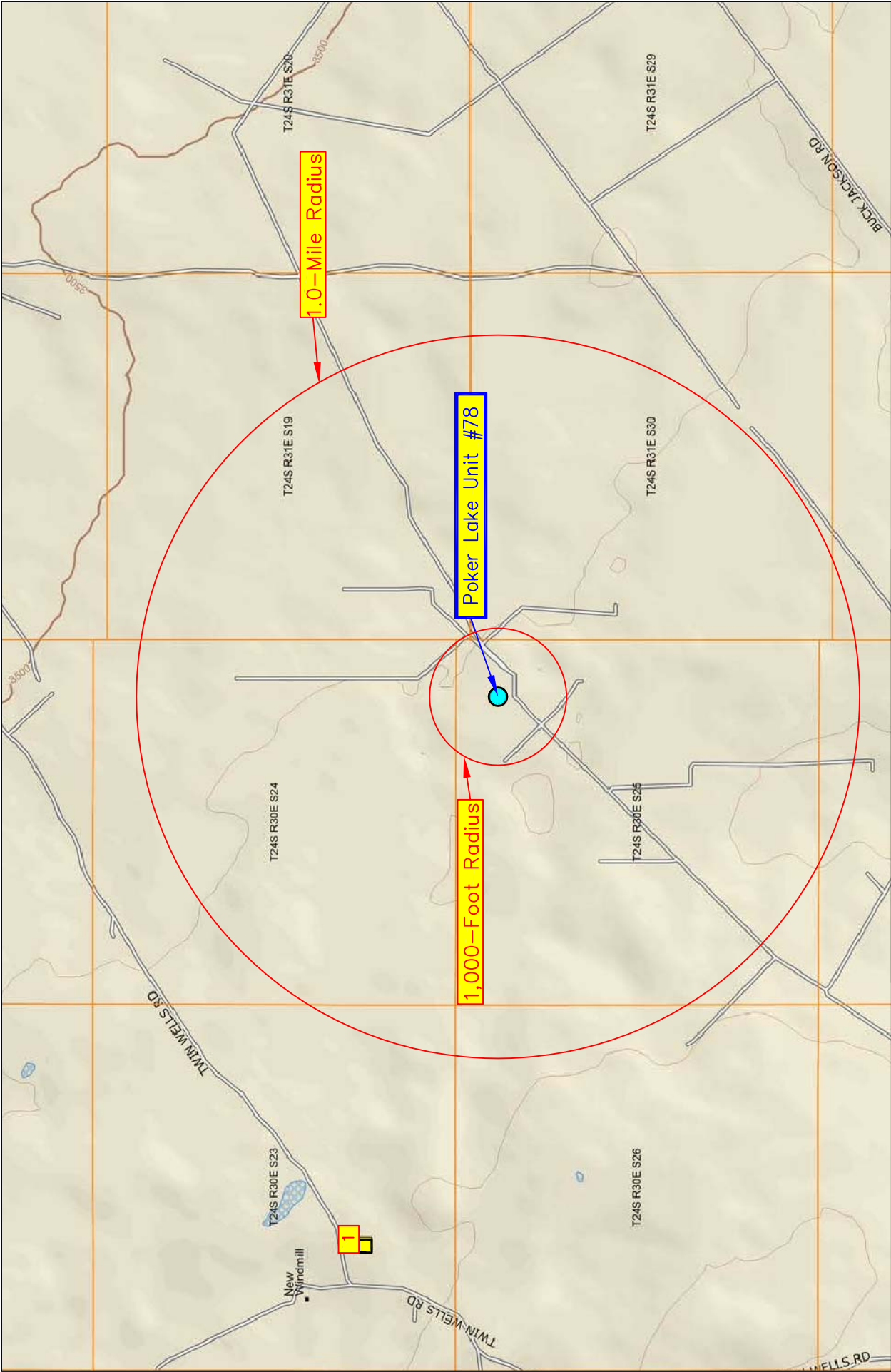
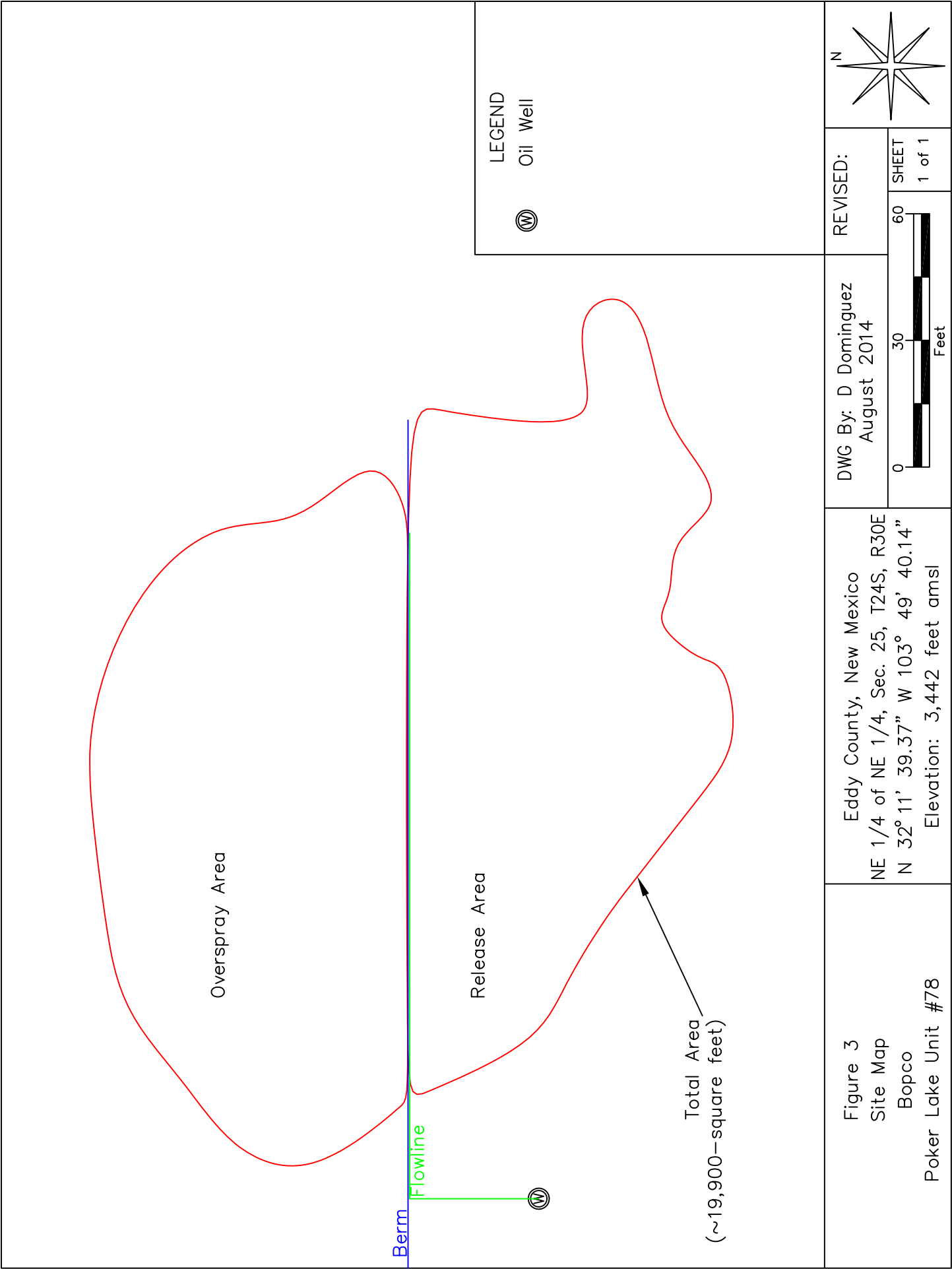
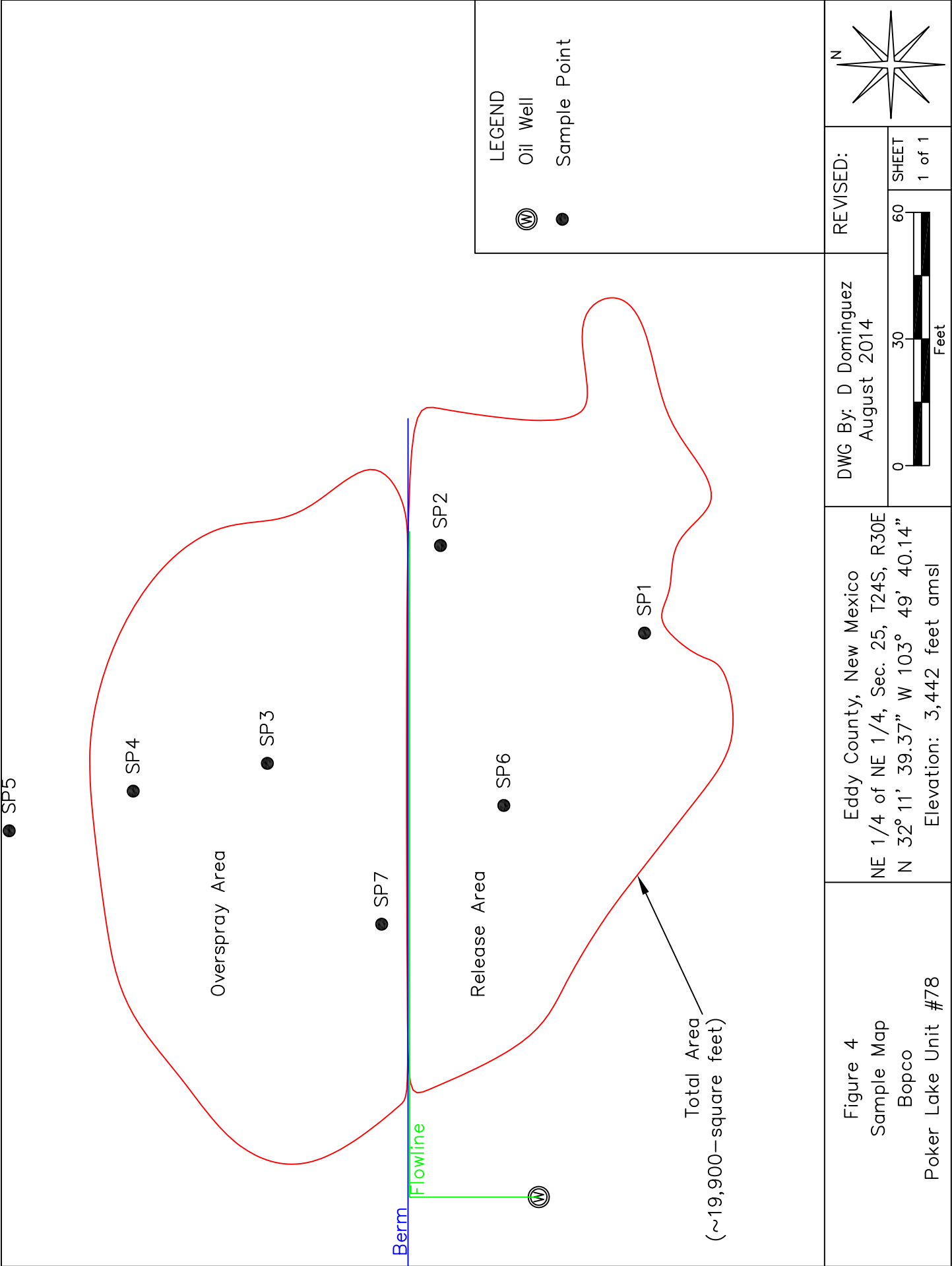


Figure 2 Site Location Map Bopco, L.P. Poker Lake Unit #78	Eddy County, New Mexico NE 1/4 of NE 1/4, Sec. 25, T24S, R30E N 32° 11' 39.37" W 103° 49' 40.14" Elevation: 3,442 feet amsl		DWG By: D Dominguez August 2014		 0 2,000 4,000 Feet
	REVISED:		SHEET 1 of 1		





TABLES

TABLE 1

Well Data

Bopco - Poker Lake Unit #78

Ref #	Well Number	Use	Diversion ^A	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Date Measured	Surface Elevation ^B	Depth to Water (ft bgs)
1	C 02110	STK	3	Clarence W. McDonald		4	3	23	24S	30E	608036	3562950	31-Dec-67	3,414	400

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

^A = In acre feet per annum

^B = Elevation interpolated from USGS topographical map based on referenced location.

STK = 72-12-1 Livestock watering

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

TABLE 2
Summary of Soil Sample Laboratory Analytical Results
Bopco L.P.
Poker Lake Unit #78

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	1	Excavated	18-Jul-14	2.6	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	320
SP1	2	In Situ	18-Jul-14	0.2	280	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	208
SP1	3	In Situ	18-Jul-14	0.0	200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	160
SP2	1	Excavated	18-Jul-14	0.0	3,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	2,520
SP2	2	Excavated	18-Jul-14	0.0	1,200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	1,460
SP2	3	In Situ	18-Jul-14	0.0	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	240
SP3	Surface	Excavated	18-Jul-14	0.0	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	16
SP3	1	Excavated	18-Jul-14	0.0	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	96
SP4	Surface	Excavated	18-Jul-14	0.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
SP5	Surface	Excavated	18-Jul-14	0.0	120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	16
SP6	Surface	Excavated	18-Jul-14	742	--	<0.050	9.44	18.0	73.7	101	3,240	57,400	8,710	69,350	672
SP6	1	Excavated	18-Jul-14	1.7	240	<0.050	<0.050	0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	128
SP6	2	In Situ	18-Jul-14	2.4	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	144
SP6	3	In Situ	18-Jul-14	20.1	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	464
SP6	4	In Situ	18-Jul-14	3.0	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	496
SP7	Surface	Excavated	18-Jul-14	409	--	<0.050	1.11	2.43	9.6	13.2	1,670	37,200	5,720	44,590	928
SP7	1	Excavated	18-Jul-14	1.7	1,200	<0.050	<0.050	0.052	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	320
SP7	2	In Situ	18-Jul-14	2.2	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	256
SP7	3	In Situ	18-Jul-14	1.0	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	144
NMOCD Recommended Remedial Action Levels				100		10				50				5,000	1,000

-- = Not Analyzed
Red values are in excess of NMOCD Recommended Remedial Action Levels
 Shaded values indicates soil has been excavated

ATTACHMENTS

ATTACHMENT I
Photographs



Photograph #1 – Looking west across release area



Photograph #2 – Looking east across release area



Photograph #3 – Looking east across release area



Photograph #4 – Looking east across release area



Photograph #5 – Looking east across excavation



Photograph #6 – Looking east across excavation



Photograph #7 – Backfilled area



Photograph #8 – Backfilled area



Photograph #9 – Backfilled area



Photograph #10 – Backfilled area



Photograph #11 – Backfilled area



Photograph #12 – Backfilled area

ATTACHMENT II
Laboratory Analytical Results



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

July 23, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU #78

Enclosed are the results of analyses for samples received by the laboratory on 07/21/14 15:32.

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,

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:	07/21/2014	Sampling Date:	07/18/2014
Reported:	07/23/2014	Sampling Type:	Soil
Project Name:	PLU #78	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL- SEC. 25, T24S, R30E		

Sample ID: SP 1 (1') (H402210-01)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	320	16.0	07/23/2014	ND	416	104	400	3.77	

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	07/23/2014	ND	188	93.8	200	0.531	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	193	96.6	200	1.90	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (2') (H402210-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	07/23/2014	ND	416	104	400	3.77	

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	07/23/2014	ND	188	93.8	200	0.531	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	193	96.6	200	1.90	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 63.6-154

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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: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (3') (H402210-03)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	160	16.0	07/23/2014	ND	416	104	400	3.77	

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	07/23/2014	ND	188	93.8	200	0.531	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	193	96.6	200	1.90	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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*=Accredited Analyte

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 Received: 07/21/2014
 Reported: 07/23/2014
 Project Name: PLU #78
 Project Number: NONE GIVEN
 Project Location: UL- SEC. 25, T24S, R30E

 Sampling Date: 07/18/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 (1') (H402210-04)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTEX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	2520	16.0	07/23/2014	ND	416	104	400	3.77	

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	07/23/2014	ND	188	93.8	200	0.531	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	193	96.6	200	1.90	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 (2') (H402210-05)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTEx	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	1460	16.0	07/23/2014	ND	416	104	400	3.77	

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	07/23/2014	ND	188	93.8	200	0.531	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	193	96.6	200	1.90	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 126 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 (3') (H402210-06)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTEx	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	240	16.0	07/23/2014	ND	416	104	400	3.77	

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	07/23/2014	ND	188	93.8	200	0.531	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	193	96.6	200	1.90	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (SURFACE) (H402210-07)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	07/23/2014	ND	416	104	400	3.77	

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	07/23/2014	ND	188	93.8	200	0.531	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	193	96.6	200	1.90	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/21/2014
 Reported: 07/23/2014
 Project Name: PLU #78
 Project Number: NONE GIVEN
 Project Location: UL- SEC. 25, T24S, R30E

 Sampling Date: 07/18/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 (1') (H402210-08)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTEx	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	07/23/2014	ND	416	104	400	3.77	

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	07/23/2014	ND	188	93.8	200	0.531	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	193	96.6	200	1.90	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 122 % 65.2-140

Surrogate: 1-Chlorooctadecane 130 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 (SURFACE) (H402210-09)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	07/23/2014	ND	416	104	400	3.77		

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	07/23/2014	ND	188	93.8	200	0.531	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	193	96.6	200	1.90	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 (SURFACE) (H402210-10)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	07/23/2014	ND	416	104	400	3.77	

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	07/23/2014	ND	188	93.8	200	0.531	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	193	96.6	200	1.90	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 123 % 65.2-140

Surrogate: 1-Chlorooctadecane 129 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (SURFACE) (H402210-11)

BTX 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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	9.44	0.500	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	18.0	0.500	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	73.7	1.50	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	101	3.00	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	672	16.0	07/23/2014	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	3240	100	07/23/2014	ND	175	87.6	200	1.62	
DRO >C10-C28	57400	100	07/23/2014	ND	195	97.6	200	0.958	
EXT DRO >C28-C35	8710	100	07/23/2014	ND					

Surrogate: 1-Chlorooctane 412 % 65.2-140

Surrogate: 1-Chlorooctadecane 1680 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (1') (H402210-12)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	07/23/2014	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	07/23/2014	ND	175	87.6	200	1.62	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	195	97.6	200	0.958	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (2') (H402210-13)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTEX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	144	16.0	07/23/2014	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	07/23/2014	ND	175	87.6	200	1.62	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	195	97.6	200	0.958	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (3') (H402210-14)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	464	16.0	07/23/2014	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	07/23/2014	ND	175	87.6	200	1.62	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	195	97.6	200	0.958	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (4') (H402210-15)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	496	16.0	07/23/2014	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	07/23/2014	ND	175	87.6	200	1.62	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	195	97.6	200	0.958	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 122 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 (SURFACE) (H402210-16)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	1.11	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	2.43	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	9.63	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	13.2	0.300	07/22/2014	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	928	16.0	07/23/2014	ND	400	100	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

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	1670	50.0	07/23/2014	ND	175	87.6	200	1.62	
DRO >C10-C28	37200	50.0	07/23/2014	ND	195	97.6	200	0.958	
EXT DRO >C28-C35	5720	50.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 224 % 65.2-140

Surrogate: 1-Chlorooctadecane 1060 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 (1') (H402210-17)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	0.052	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	320	16.0	07/23/2014	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	07/23/2014	ND	175	87.6	200	1.62	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	195	97.6	200	0.958	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 (2') (H402210-18)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	256	16.0	07/23/2014	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	07/23/2014	ND	175	87.6	200	1.62	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	195	97.6	200	0.958	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/21/2014
Reported: 07/23/2014
Project Name: PLU #78
Project Number: NONE GIVEN
Project Location: UL- SEC. 25, T24S, R30E

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 (3') (H402210-19)

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	07/22/2014	ND	2.00	99.9	2.00	1.46	
Toluene*	<0.050	0.050	07/22/2014	ND	2.00	100	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/22/2014	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/22/2014	ND	6.10	102	6.00	0.679	
Total BTX	<0.300	0.300	07/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	144	16.0	07/23/2014	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	07/23/2014	ND	175	87.6	200	1.62	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	195	97.6	200	0.958	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 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.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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



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

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 #78
Location UL- Sec. 25, T24S, R30E
Project Reference
EPI Sampler Name David Robinson

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		ANALYSIS REQUEST									
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
H402210																						
1	SP1 (1')	G	1			X					X		18-Jul-14	9:20	X	X	X					
2	SP1 (2')	G	1			X					X		18-Jul-14	9:22	X	X	X					
3	SP1 (3')	G	1			X					X		18-Jul-14	9:24	X	X	X					
4	SP2 (1')	G	1			X					X		18-Jul-14	10:00	X	X	X					
5	SP2 (2')	G	1			X					X		18-Jul-14	10:02	X	X	X					
6	SP2 (3')	G	1			X					X		18-Jul-14	10:04	X	X	X					
7	SP3 (Surface)	G	1			X					X		18-Jul-14	10:55	X	X	X					
8	SP3 (1')	G	1			X					X		18-Jul-14	10:56	X	X	X					
9	SP4 (Surface)	G	1			X					X		18-Jul-14	11:00	X	X	X					
10	SP5 (Surface)	G	1			X					X		18-Jul-14	11:01	X	X	X					

Sampler Relinquished:

Date 7/16/14

Received By:

David Robinson

Date 7-21-14

Received By: (lab staff)

Relinquished by:

Date 7-21-14

Time 3:32 PM

Delivered by:

4:20

Sample Cool & Intact

Yes

No

Checked By:

David Robinson

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

NOTES:

#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 #78
Location	UL- Sec. 25, T24S, R30E
Project Reference	
EPI Sampler Name	David Robinson



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

Bill To

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		ANALYSIS REQUEST									
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:		ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ⁼)	pH	TCLP	OTHER >>>
H4D2210	11 SP6 (Surface)	G	1			X																
	12 SP6 (1')	G	1			X																
	13 SP6 (2')	G	1			X																
	14 SP6 (3')	G	1			X																
	15 SP6 (4')	G	1			X																
	16 SP7 (Surface)	G	1			X																
	17 SP7 (1')	G	1			X																
	18 SP7 (2')	G	1			X																
	19 SP7 (3')	G	1			X																
	20		G	1			X															

Sampler Relinquished

Relinquished by:

Delivered by:

Date: 7/10/14 Received By: [Signature]

Time: 4:00 PM

Date: 7-21-14

Time: 3:30 PM

Received By: [Signature]

Time: 3:30 PM

Time: 3:30 PM

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

NOTES:

Sample Cool & Intact

Yes No

Checked By: [Signature]

4:20

#54

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

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

nHMP1419932334 OPERATOR ☒ Initial Report ☐ Final Report

Name of Company: BOPCO, L.P. 260737	Contact: Tony Savoie
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329
Facility Name: Poker Lake Unit 78 Tank Battery	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-27536
------------------------	------------------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	25	24S	30E	660	North	660	East	Eddy

Latitude N 32.194222 Longitude W 103.827411

NATURE OF RELEASE

Type of Release: Crude Oil and Produced water	Volume of Release: 6 bbls. crude oil and 57 bbls. PW	Volume Recovered: 4 bbls. crude oil and 6 bbls. PW
Source of Release: Heater treater	Date and Hour of Occurrence: 7/4/14 time unknown	Date and Hour of Discovery: 7/4/14 at approximately 7:40 p.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? Tony Savoie	Date and Hour: 7/4/14 at 7:52 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

NM OIL CONSERVATION

If a Watercourse was Impacted, Describe Fully.*

ARTESIA DISTRICT

JUL 10 2014

RECEIVED

Describe Cause of Problem and Remedial Action Taken.*

The heater treater pressured up and blew out the gasket on the bottom man-way hatch. The crews switched the production stream out of the heater treater and replaced the failed gasket.

Describe Area Affected and Cleanup Action Taken.*

The spill impacted approximately 4,516 sq.ft. of caliche pad with oil saturation ranging from 10 to 12 inches in depth. The release misted an area measuring approximately 15,400 sq. ft. in a previous remediated area that had just recently been re-seeded. The misted area averaged approximately 2" in saturation depth. All of the free standing fluid was recovered and a roustabout crew covered the stained area with dry dirt. The spill area will be cleaned up in accordance to 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: 7/18/14	Expiration Date: NA
E-mail Address: tasavoie@basspet.com	Conditions of Approval: Remediation per OCD Rule & Guidelines, & like approval by BLM. SUBMIT REMEDIATION	
Date: 7/10/14	Phone: 432-556-8730	Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

PROPOSAL NO LATER THAN:

8/18/14

2RP-2372

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 78 Tank Battery	Facility Type: Exploration and Production	
Surface Owner: Federal	Mineral Owner: Federal	API No.: 30-015-27536

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	25	24S	30E	660	North	660	East	Eddy

Latitude: N 32° 11' 39.37" **Longitude:** W 103° 49' 40.14"

NATURE OF RELEASE

Type of Release: crude oil and produced water	Volume of Release: 6 bbl crude oil and 57 bbls PW	Volume Recovered: 4 bbls crude oil 6 bbls PW
Source of Release: heater treater	Date and Hour of Occurrence: 7/4/14 time unknown	Date and Hour of Discovery: 7/4/14 @ 7:40 pm
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: 7/4/14 @ 7:52 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. ~360 ft bgs		
If a Watercourse was Impacted, Describe Fully.* Not Applicable		
Describe Cause of Problem and Remedial Action Taken.* The heater treater pressured up and blew out the gasket on the bottom man-way hatch. The crews switched the production stream out of the heater treater and replaced the failed gasket.		
Describe Area Affected and Cleanup Action Taken.* The spill impacted approximately 4,516 sq. ft. of caliche pad with oil saturation ranging from 10 to 12 inches in depth. The release misted an area measuring approximately 15,400 sq. ft. in a previous remediated area that had just recently been re-seeded. The misted area averaged approximately 2" in saturation depth. All of the free standing fluid was recovered. The contaminated soil has been excavated and hauled to a state approved disposal facility and the excavation has been backfilled in accordance to 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: 		OIL CONSERVATION DIVISION
Printed Name: Brad Blevins		Approved by District Supervisor:
Title: EHS Asst. Remediation Foreman		Approval Date:
E-mail Address: bblevins@basspet.com		Expiration Date:
Date: 10-2-14 Phone: (432) 214-3704		Conditions of Approval:
		Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary