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REMEDIATION SUMMARY

AND RISK-BASED SITE CLOSURE REQUEST

BOPCO, LP

POKER LAKE UNIT #188Y Eddy County, New Mexico Unit Letter "C" (NE/NW), Section 5, Township 24 South, Range 30 East Latitude 32.25196° North, Longitude 103.90815° West NMOCD Reference # 2RP-____

Prepared For:

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

Prepared By: Basin Environmental Service Technologies, LLC 3100 Plains Highway Lovington, New Mexico 88260

April 2014

Project Manager

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1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of BOPCO, LP (BOPCO), has prepared this *Remediation Summary and Risk-Based Site Closure Request* for the release site known as Poker Lake Unit #188Y (PLU #188Y). The legal description of the release site is Unit Letter "C" (NE/NW), Section 5, Township 24 South, Range 30 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.25196° North latitude and 103.90815° West longitude. The property affected by the release is owned by the United States Department of the Interior and administered by the Bureau of Land Management (BLM). A "Site Location Map" is provided as Figure 1.

On January 10, 2014, BOPCO discovered a release had occurred on a three-inch (3") fiberglass high-pressure flow line transporting produced water to the PLU #188Y SWD injection well. The "Release Notification and Corrective Action" (Form C-141) indicated the fiberglass flow line ruptured for reasons unknown, resulting in the release of two hundred and fifty barrels (250 bbls) of produced water. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Artesia District Office immediately upon discovery. The initial Form C-141 indicated the release affected approximately twenty-three thousand, two hundred and twenty-four square feet (23,224 ft²) of pasture and seven thousand, eight hundred and eighty-eight square feet (7,888 ft²) of lease road and an adjacent well pad. During initial response activities, the line segment was isolated, and approximately thirty barrels (30 bbls) of free standing fluid was recovered with a vacuum truck. The affected line segment has since been replaced. The Form C-141 is provided as Appendix A. General photographs of the release site are provided as Appendix B.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 5, Township 24 South, Range 30 East. A depth to groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately two hundred and twenty-five (225) to two hundred and fifty feet (250') below ground surface (bgs). Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

A search of the NMWRRS database indicated there are no water wells within one thousand (1,000) feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

There are no surface water bodies within one thousand (1,000) feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

NMOCD guidelines indicate the PLU #188Y release site has an initial ranking score of zero (0) points. The soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene 10 mg/Kg (ppm)
- Benzene, ethylbenzene, toluene and xylene (BTEX) 50 mg/Kg (ppm)
- Total petroleum hydrocarbon (TPH) 5,000 mg/Kg (ppm)

The New Mexico Administrative Code (NMAC) does not currently specify a remediation level for chloride concentrations in soil. Chloride remediation levels are set by the NMOCD on a site-specific basis.

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On January 17, 2014, Basin began excavating impacted soil at the release site. The floor and sidewalls of the exavation were advanced until field tests suggested concentrations of BTEX, TPH and chloride were less than NMOCD Regulatory Standards. A three-foot (3') buffer of undisturbed soil was left in-situ adjacent to active and high-pressure pipelines as a safety precaution. Excavated material was stockpiled on-site, pending final disposition.

On January 20, 2014, six (6) soil samples (RP N. Floor @ 12', RP S. Floor @ 9', RP ESW #1, RP ESW #2, RP NSW and RP WSW #1) were collected from the floor and sidewalls of the excavation and submitted to Cardinal Laboratories, of Hobbs, New Mexico, for analysis of chloride concentrations by EPA Method 4500 Cl-B. Laboratory analytical results indicate chloride concentrations ranged from less than the laboratory method detection limit (MDL) for RP ESW #2 to 560 ppm for soil sample RP ESW #1. Soil sample RP S. Floor @ 9' was also analyzed for concentrations of BTEX using EPA method SW-846-8021b and TPH using EPA method SW-846 8015M. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory. A summary of "Concentrations of Benzene, BTEX, TPH and Chloride in Soil" is provided in Table 1. Laboratory analytical reports are provided as Appendix C. Sample locations are depicted on Figure 2a, "Site & Sample Location Map – Eastern Portion of the Release Site".

On January 24, 2014, six (6) soil samples (Exc. #1 WSW, Exc. #1 Floor #2, Exc. #2 ESW, Exc. #2 SSW, Exc. #2 Floor #1 and Exc. #2 Floor #2) were collected from the floor and sidewalls of the excavated areas and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL for soil samples Exc. #1 WSW, Exc. #2 ESW, Exc. #2 SSW and Exc. #2 Floor #2 to 688 ppm for soil sample Exc. #2 Floor #1. Soil sample Exc. #2 Floor #1 was also analyzed for concentrations of BTEX and TPH, which were determined to be less than the appropriate laboratory MDL.

On January 28, 2014, a series of test trenches (Exc. 3 TT and Exc. 4 TT) were advanced in the primary pooling area of the release site. Exc. 3 TT was advanced in between BOPCO's three-inch (3") high-pressure fiberglass produced water line and Regency Gas's six-inch (6") natural gas buried pipeline. During the advancement of the test trench, four (4) soil samples (Exc. 3 TT @ 8', Exc. 3 TT @ 12', Exc. 3 TT @ 16' and Exc. 3 TT @ 18') were collected and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 17,000 ppm for soil sample Exc. 3 TT @ 12' to 96.0 ppm for soil sample Exc. 3 TT @ 18'. Soil sample Exc. 3 TT @ 8' was also analyzed for concentrations of BTEX and TPH, which were determined to be less than the appropriate laboratory MDL. Sample locations are depicted on Figure 2b, "Site & Sample Location Map – Central Portion of the Release Site".

Exc. 4 TT was advanced within an inferred pooling area between BOPCO's three-inch (3") highpressure fiberglass produced water line and the caliche oilfield access road. During the advancement of the test trench, four (4) soil samples (Exc. 4 TT @ 4', Exc. 4 TT @ 8', Exc. 4 TT @ 12' and Exc. 4 TT @ 18') were collected and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 6,000 ppm for soil sample Exc. 4 TT @ 8' to 928 ppm for soil sample Exc. 4 TT @ 18'. Soil sample Exc. 4 TT @ 4' was also analyzed for concentrations of BTEX and TPH, which were determined to be less than the appropriate laboratory MDL.

On January 29, 2014, nine (9) soil samples (Exc. 4b NSW, Exc. 4b WSW, Exc. 4c NSW, Exc. 4c ESW, Exc. 4 ESW, Exc. 3 NSW, Exc. 3 ESW, Exc. 3 SSW #1 and Exc. 3 East Floor) were collected from the floor and sidewalls of the excavated areas and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL for soil samples Exc. 4c NSW, Exc. 4c ESW, Exc. 4 ESW, Exc. 3 NSW, Exc. 3 SSW #1 to 320 ppm for soil sample Exc. 4b WSW. Soil sample Exc. 3 East Floor was also analyzed for concentrations of BTEX and TPH, which were determined to be less than the appropriate laboratory MDL.

On January 31, 2014, four (4) soil samples (Exc. 4b Floor @ 4', Exc. 4c Floor @ 4'. Exc. 4 East Floor and In-Situ #1) were collected from the floor and sidewalls of the excavated areas and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 464 ppm for soil sample Exc. 4 East Floor to 11,300 ppm for soil sample In-Situ #1. Soil sample In-Situ #1 was collected to characterize soil left in place adjacent to BOPCO's high-pressure fiberglass flow line.

On February 4, 2014, eight (8) soil samples (Exc. 3b Floor, Exc. 5 NSW, Exc. 5 Floor, Exc. 5 SSW, Exc. 6 NSW, Exc. 6 Floor, Exc. 6 SSW and In-Situ #2) were collected from the floor and sidewalls of the excavated areas and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL for soil sample Exc. 6 SSW to 6,080 ppm for soil sample In-Situ #2. Soil sample Exc. 5 Floor was also analyzed for concentrations of BTEX and TPH, which were determined to be less than the appropriate laboratory MDL.

On February 11, 2014, eleven (11) soil samples (Exc. 7 NSW @ 3'. Exc. 7 WSW @ 3', Exc. 7 East Floor @ 4', Exc. 7 West Floor @ 4', Road Floor #1 @ 18", Road Floor #2 @ 18", Road SSW #1, Exc. 6b SSW, Exc. 6b WSW, Exc. 6b ESW and Exc. 6b Floor @ 4') were collected from the floor and sidewalls of the excavated areas and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL for soil samples Exc. 7 NSW @ 3', Exc. 7 WSW @ 3', Road Floor #1 @ 18" Road SSW #1, Exc. 6b SSW, Exc. 6b WSW, and Exc. 6b ESW to 160 ppm for soil sample Exc. 6b Floor @ 4'. Soil samples Exc. 7 West Floor @ 4', Road Floor #2 @ 18" and Exc. 6b Floor @ 4' were also analyzed for concentrations TPH, which were determined to be less than the appropriate laboratory MDL. Soil sample Road Floor #2 @ 18" was also analyzed for concentrations of BTEX, which were determined to be less than the laboratory MDL. Sample

locations are depicted on Figure 2c, "Site & Sample Location Map – Western Portion of the Release Site".

On February 12, 2014, as per the NMOCD, a 20-millimeter polyurethane liner was installed in the floor of Excavation #3 at approximately four feet (4') bgs. This engineering control was designed to inhibit the downward migration of contaminants left in-situ.

On February 14, 2014, eight (8) soil samples (Road Floor #3, Road Floor #4, Road Floor #5, Road Floor #6, Road Floor #7, Road Floor #8, Road Floor #9 and South Road #1) were collected from the floor of excavated road and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL for soil sample Road Floor #5 to 368 ppm for soil sample Road Floor #4.

On February 19, 2014, seven (7) soil samples (Pad NSW #1, Pad NSW #2, Pad NSW #3, Pad ESW #1, Pad SSW #1, Pad Floor #1 and Pad Floor #2) were collected from the excavated area on the caliche well pad and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 16.0 ppm for soil sample Pad NSW #1 to 384 ppm for soil sample Pad NSW #3. Soil sample Pad Floor #2 was also analyzed for concentrations of BTEX and TPH, which were determined to be less than the appropriate laboratory MDL.

On February 24, 2014, six (6) soil samples (Pad SSW #2, Pad SSW #3, Pad NSW #4, Pad WSW #1, Pad Floor #3 and Pad Floor #4) were collected from the excavated area on the caliche well pad and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 80.0 ppm for soil sample Pad Floor #3 to 928 ppm for soil sample Pad WSW #1. Soil sample Pad Floor #4 was also analyzed for concentrations of BTEX and TPH, which were determined to be less than the appropriate laboratory MDL.

Between January 23, and February 26, 2014, approximately four thousand, six hundred and eighty cubic yards (4,680 yd³) of impacted material was transported to Lea Land, Inc. (NMOCD Permit #WM-01-035) for disposal. The final dimensions of the primary excavation at the release point were approximately twenty-five feet (25') in width, one hundred feet (100') in length and four (4) to twelve feet (12') in depth. The final dimensions of Excavation #2 were approximately twentyone feet (21') in width, ninety feet (90') in length and four feet (4') in depth. The final dimensions of Excavation #3 were approximately seventeen feet (17') in width, sixty-two feet (62') in length and four (4) to six feet (6') in depth. The final dimensions of Excavation #4 were approximately thirty-two feet (32') in width, seventy feet (70') in length and four feet (4') in depth. The final dimensions of Excavation #5 were approximately seven feet (7') in width, fifty-six feet (56') in length and six feet (6') in depth. The final dimensions of Excavation #6 were approximately forty feet (40') in width, forty-two feet (42') in length and four feet (4') in depth. The final dimensions of Excavation #7 were approximately thirty feet (30') in width, thirty-seven feet (37') in length and four feet (4') in depth. The final dimensions of the excavated area on the caliche well pad were approximately eighty-eight feet (88') in width, one hundred and ninety feet (190') in length and four feet (4') in depth. Approximately four hundred and fifty feet (450') of a caliche lease road was excavated to approximately eighteen inches (18") bgs.

Upon receiving laboratory analytical data from confirmation soil samples, the excavated areas in the affected pasture were backfilled with locally purchased, non-impacted material. The will be reseeded with a BLM-approved seed mixture at a time more conducive to germination.

The affected oil field access road and caliche well pad were backfilled and compacted with nonimpacted caliche derived from reducing the PLU #188Y well pad, east of the release site. An area measuring approximately sixty feet (60') in width and one hundred and seventy-five feet (175') in length was reclaimed in accordance with the BLM.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Cardinal Laboratories, Inc., in Hobbs, New Mexico, for BTEX, TPH and/or chloride analyses using the methods described below:

- BTEX concentrations in accordance with EPA Method SW-846 8021b
- TPH concentrations in accordance with EPA Method SW-846 8015M
- Chloride concentrations in accordance with EPA Method 4500 Cl-B

4.2 Decontamination of Equipment

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

4.3 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form(s). These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SITE CLOSURE REQUEST

Remediation activities conducted at the PLU #188Y Release Site met the objectives set forth by the NMOCD and BLM. Impacted soil was excavated to the maximum extent practicable, given the presence of numerous active and high-pressure pipelines. As per the NMOCD, a twenty-millimeter (20-mil) polyurethane liner was installed in the floor of Excavation #3 at approximately four feet (4') bgs. This engineering control was designed to inhibit the vertical migration of contaminants left in-situ. Based on the results of confirmation soil samples and the installation of an approved engineering control, Basin recommends BOPCO provide the NMOCD Artesia District Office and the BLM a copy of this *Remediation Summary and Risk-Based Site Closure Request* and request the NMOCD grant site closure to the PLU #188Y release site.

6.0 LIMITATIONS

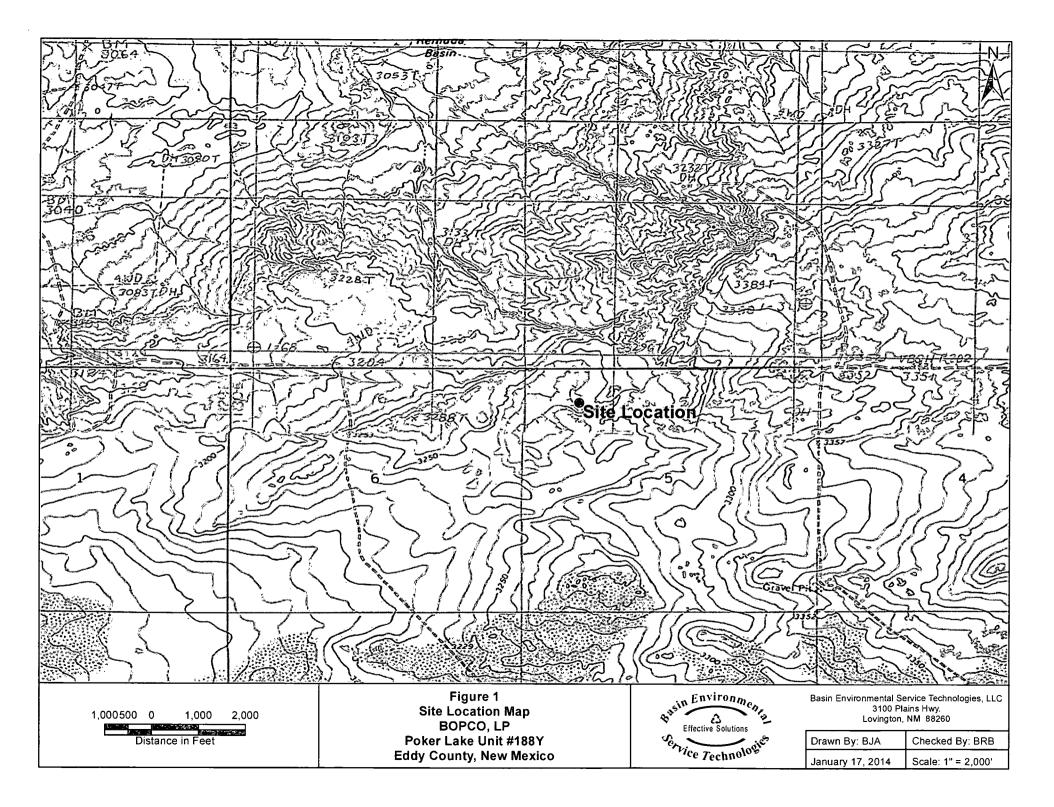
Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary and Risk-Based Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Basin has not conducted an independent examination of the facts contained in referenced materials and statements. Basin has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Basin has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

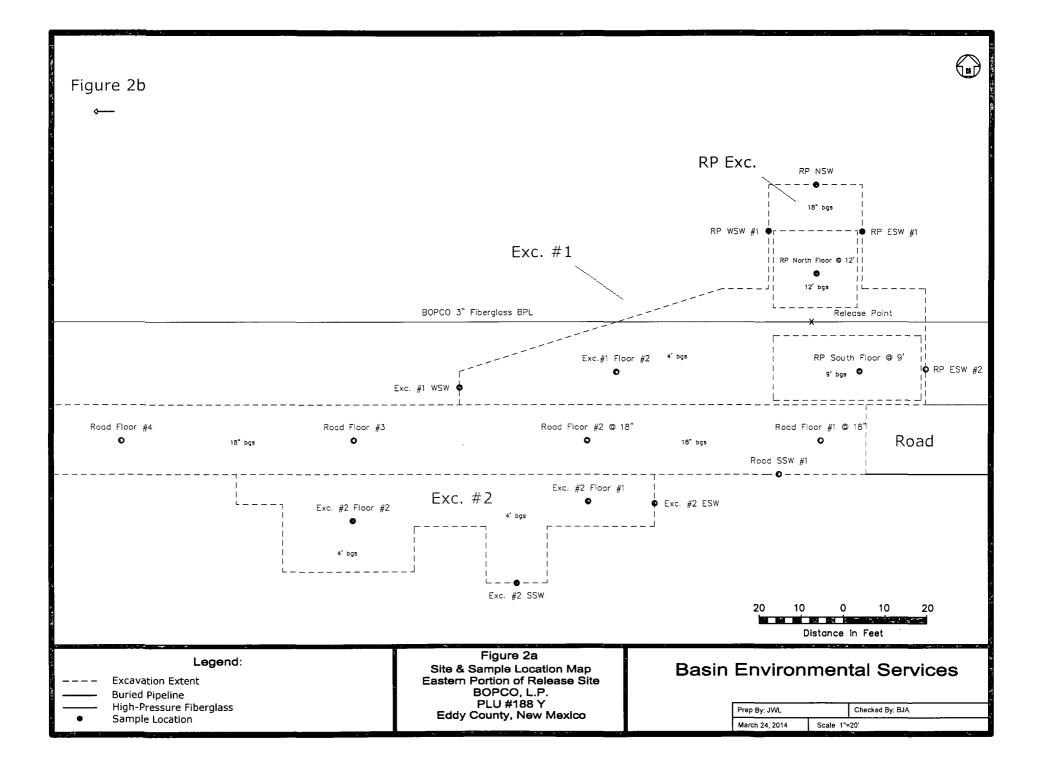
This report has been prepared for the benefit of BOPCO, LP. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or BOPCO, LP.

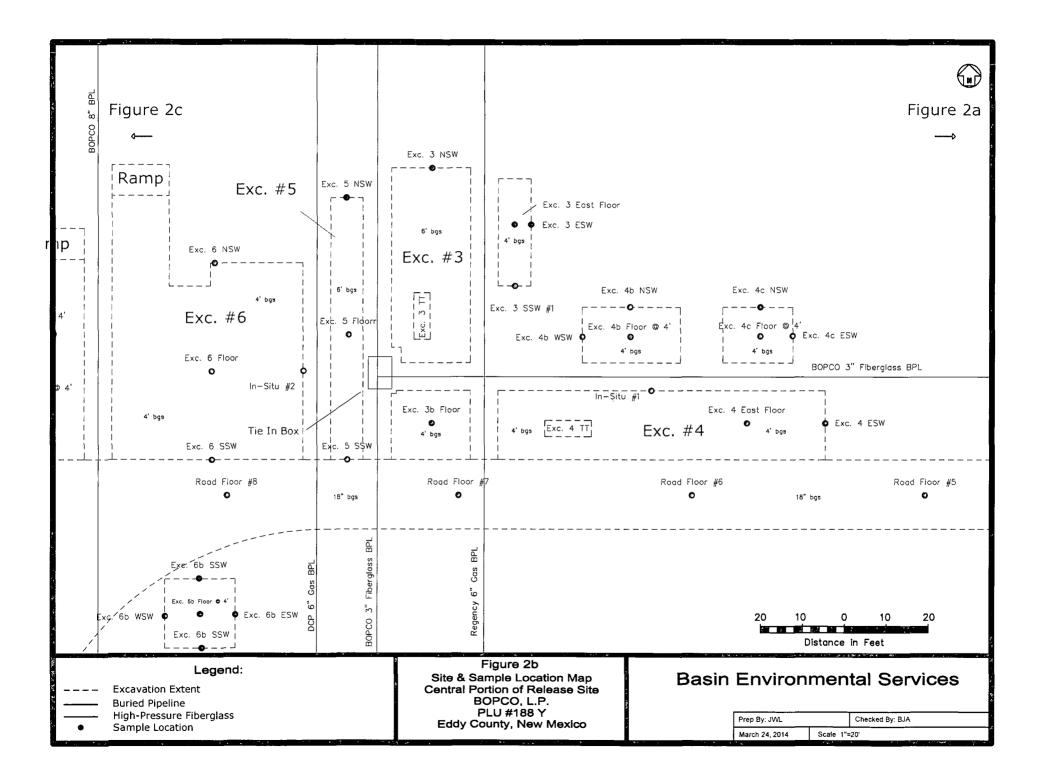
7.0 **DISTRIBUTION:**

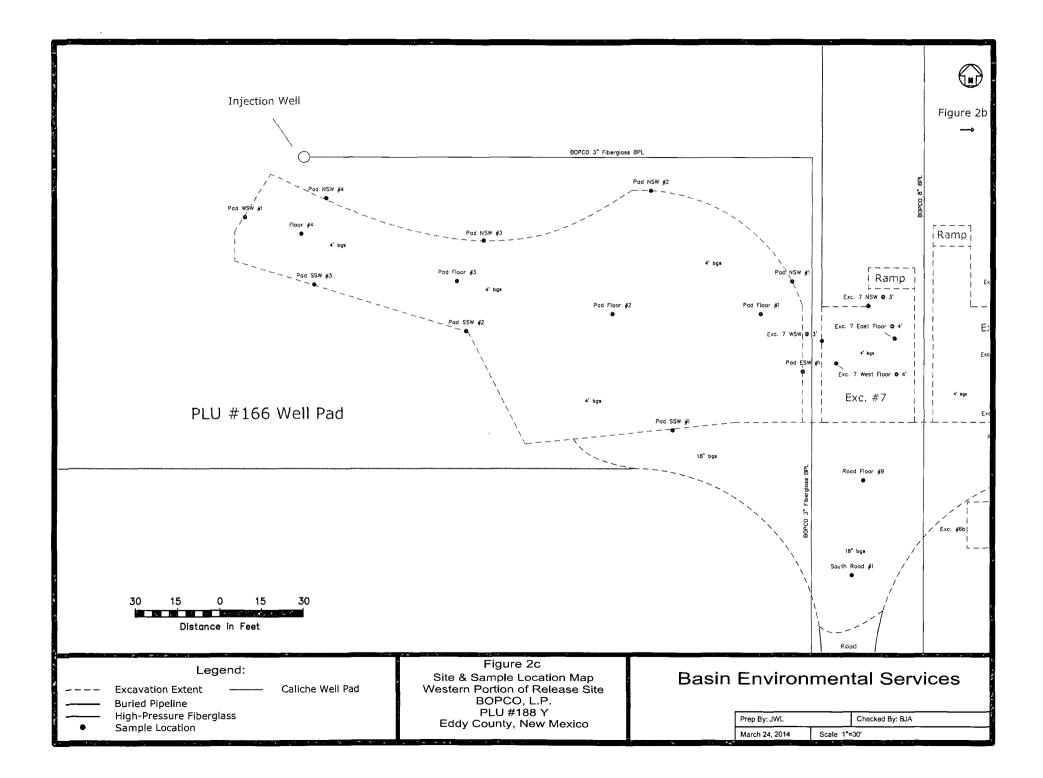
- Copy 1: Mike Bratcher New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division (District 2) 1301 E. Grand Avenue Artesia, NM 88210
- Copy 2: James Amos Bureau of Land Management 602 E. Greene Street Carlsbad, New Mexico 88220
- Copy 3: Tony Savoie BOPCO, LP 522 W. Mermod, Suite 704 Carlsbad, NM 88220
- Copy 4: Basin Environmental Service Technologies, LLC P.O. Box 301 Lovington, NM 88260

FIGURES









TABLES

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP PLU #188Y

	SAMPLE				METHOD: E	PA SW 846	-8021B, 503	0	MET	THOD: 80	15M	TOTAL	4500 CH	
SAMPLE LOCATION	DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE	TOTAL XYLENES	TOTAL BTEX	GRO C ₅ -C ₁₂	DRO C12-C28	ORO C28-C35	ТРН С ₈ -С ₃₅	CHLORIC (mg/Kg	
				(ing/kg)	(ing/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg	
RP N. Floor @ 12	12	1/20/2014	In-Situ	•	-	· ·		•			•		112	
RP S. Floor @ 9"	9'	1/20/2014	In-Silu	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	544	
RP ESW #1	9'	1/20/2014	In-Situ	•	-								560	
IP ESW #2	5'	1/20/2014	In-Situ		-			-			· .		<16.0	
RPINSW	- 9'	1/20/2014	In Situ			· ·		-					224	
RP WSW #1	5'	1/20/2014	In-Situ			<u> </u>			-				176	
xc. #1 WSW	3'	1/24/2014	In-Situ	· ·									<16.0	
Exc. #1 Floor #2	4'	1/24/2014	In-Situ	<u> </u>									96.0	
xc. #2 ESW	3'	1/24/2014	In-Situ							<u>-</u> -				
xc. #2 SSW	3'	1/24/2014	In-Situ	· · · ·	·				·	-	•	· · ·	<16.0	
Exc. #2 Floor #1		1/24/2014						•	<u>`</u>	•	•		<16.0	
	4'		In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	688	
Exc. #2 Floor #2	4'	1/24/2014	In-Situ	· ·		· ·		•	· .	•	•	· · · ·	<16.0	
xc. 3 TT @ 8'	8.	1/28/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	10,90	
xc. 3 TT @ 12'	12'	1/28/2014	In-Situ	-	•	-	-	-		•	-	•	17,00	
Exc. 3 TT @ 16'	16'	1/28/2014	In-Situ	-	•	-	•	-	•	•	-	•	2,200	
Exc. 3 TT @ 18	18'	1/28/2014	In-Situ	•		•	-	-					96.0	
xc. 4 TT @ 4'	4'	1/28/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	3,280	
xc. 4 TT @ 8'	8'	1/28/2014	In Situ											
xc. 4 TT @ 12'	12'	1/28/2014	In-Situ	<u> </u>				-		•		·	6,000	
xc. 4 TT @ 18'	18'	1/28/2014	In-Situ	<u> </u>				· · ·	<u> </u>	<u> </u>		· ·	1,760	
	10	112012014	monu	<u> </u>			•		· ·		· ·	•	928	
NO AD NEW		1/00/004	1. 01		ļ				<u> </u>				L	
xc. 4b NSW	3'	1/29/2014	In-Situ	<u> </u>		•	-	· .		-	-		272.0	
xc. 4b WSW	3'	1/29/2014	In-Situ			•	•	-	•	•	•	-	320.0	
xc. 4c NSW	3'	1/29/2014	In-Situ	· .	-	~	-	•	-	-	•	•	<16.0	
xc. 4c ESW	3'	1/29/2014	In-Situ		-	-						•	<16.0	
xc. 4 ESW	3'	1/29/2014	In-Situ	•			-				•		<16.0	
xc, 3 NSW	3.	1/29/2014	In-Situ								·			
xc. 3 ESW	3.	1/29/2014	In-Situ		<u> </u>				· ·			·	<16.0	
xc. 3 SSW #1	3.					·	-	·		•	•		<16.0	
		1/29/2014	In-Situ			· ·	•	•	•	· ·	-	-	<16.0	
xc. 3 East Floor	4'	1/29/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0	
xc. 4b Floor @ 4'	4'	1/31/2014	In-Situ	-	•	-	•	-		-	-	•	544	
xc. 4c Floor @ 4'	4'	1/31/2014	In-Situ	•				-	-	•		-	1,100	
xc. 4 East Floor	4'	1/31/2014	In-Situ					-			-		464	
n-Situ #1	3'	1/31/2014	In-Situ				-		-				11.30	
	· · · · · ·											· · ·		
xc. 3b Floor	4'	2/4/2014	In-Situ	<u> </u>	-									
xc. 5 NSW	3.	2/4/2014		· ·	<u> </u>	· ·				-	•		2,240	
			In-Situ					•		-	•	•	128	
xc. 5 Floor	4'	2/4/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,920	
xc. 5 SSW	3,	2/4/2014	In-Situ	•	-	- 1	-			•	•	· ·	16.0	
xc. 6 NSW	3'	2/4/2014	In-Situ	•	-	-	-	•	-	-	•	•	64.0	
xc. 6 Floor	4'	2/4/2014	In-Situ	-		-	•		-			-	32.0	
Exc. 6 SSW	3'	2/4/2014	In-Situ	•			-						<16.0	
n-Situ #2	2'	2/4/2014	In-Situ		-		-	•					6,080	
													0,000	
xc.7 NSW @ 3'	3'	2/11/2014	In-Situ									•	10.0	
xc. 7 WSW @ 3	3'			•									<16.0	
		2/11/2014	In-Situ	· ·	-	-	-	•	-	· ·	-		<16.0	
xc. 7 East Floor @ 4	4'	2/11/2014	In-Situ	•		-	•	-	-	•	•	•	16.0	
xc. 7 West Floor @ 4'	4'	2/11/2014	In Situ	•		-	-		<10.0	<10.0	<10.0	<10.0	80.0	
Road Floor #1 @ 18"	1.5	2/11/2014	In-Situ	-	-	-	-	•	-	•	-	-	<16.0	
Road Floor #2 @ 18"	1.5'	2/11/2014	In-Situ	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	48.0	
Road SSW #1	3'	2/11/2014	In-Situ	•	<u> </u>			-					<16.0	
xc. 6b SSW	3'	2/11/2014	In-Situ						-				<16.0	
xc. 6b WSW	3	2/11/2014	In-Situ						-	-				
xc. 6b ESW	3'	2/11/2014	In-Situ			-		-	-	<u> </u>	· · ·		<16.0	
	- 3 - 4'												<16.0	
Exc. 6b Floor @ 4'	4	2/11/2014	In-Situ		•	•	-	· .	<10.0	<10.0	<10.0	<10.0	160	
													L	
load Floor #3	18"	2/14/2014	In-Situ	· ·	·	•	•	•			-	•	176	
load Floor #4	18"	2/14/2014	In-Situ			-	-	•		-	-	•	368	
load Floor #5	18"	2/14/2014	In-Situ	-	•	-	-	•	-	•		•	<16.0	
load Floor #6	18"	2/14/2014	In-Situ	•	•	-		•					96.0	
load Floor #7	18"	2/14/2014	In-Situ	-	· .	-						•	672	
load Floor #8	18"	2/14/2014	In-Situ	· · ·			•						16.0	
load Floor #9	18"	2/14/2014	In-Situ	<u>⊢ .</u>		· · ·	I			.			48.0	
outh Road #1	18"	2/14/2014	In-Situ								-			
	, 3	217/2014	แหงแม			-		· · ·	•	-		•	208	
ad NSW #1	3'	2/10/001	- 12 6'1											
		2/19/2014	In-Situ	· ·	•	•	•	•	•	- · ·	•		16.0	
ad NSW #2	3'	2/19/2014	In-Situ	•	-		-	•	· ·			•	48.0	
ad NSW #3	3'	2/19/2014	In-Situ				-						384	
ad ESW #1	3'	2/19/2014	In-Situ	·		-		•	•	-	•	•	64.0	
ad SSW #1	3'	2/19/2014	In-Situ		•		-	-		•			32.0	
ad Floor #1	4'	2/19/2014	In-Situ	· · · · ·				-					32.0	
ad Floor #2	4'	2/19/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0	
		2,10,2014	010		NU.UUU	N0.000	\$0.100	\$0.500	\$10.0	10.0	<10.0	<10.0	40.0	
ad CCW #2		7/74/004/	In 61											
ad SSW #2	3'	2/24/2014	In-Situ	<u> </u>	•	•	-	-	•	· ·		-	672	
ad SSW #3	3'	2/24/2014	In-Situ	-		-		-	•	•	-	· · ·	304	
ad NSW #4	3'	2/24/2014	In-Situ	•	•	•	-		•	•	-	•	192	
ad WSW #1	3'	2/24/2014	In-Situ	•		-	-	•	•	•			928	
ad Floor #3	4'	2/24/2014	In-Situ				•						80.0	
ad Floor #4	4'	2/24/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	640	
													1 0.00	

APPENDICES

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Appendix A

Release Notification and Corrective Action (Form C-141)

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State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised August 8, 2011 Submit LCopy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141

BLM COP-

1/15/14

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, N.M. 88220	Telephone No. 575-887-7329		
Facility Name: PLU-188Y The injection line spill is 630 ft. West of the well.	Facility Type: Exploration and	Production	

Surface Owner: U.S.A.

Mineral Owner: U.S.A.

API No. 30-015-33776

LOCATION OF RELEASE -

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County:
С	5	245	30E	725	North	1270	West	Eddy
			e					

Latitude_N 32.25196_Longitude W 103.90815

NATURE OF RELEASE

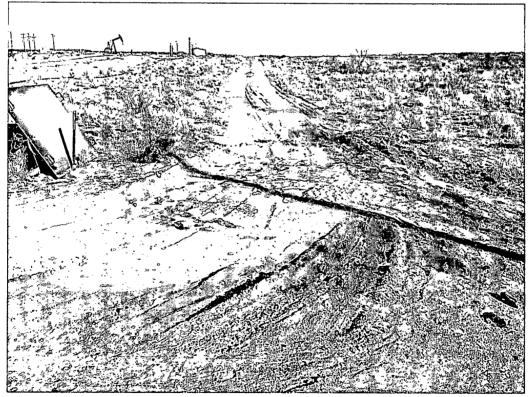
Type of Release: Produced water	Volume of Release: 250 bbls.	[Volume Re	ecovered: 30 bbls.
Source of Release: 3" fiberglass high pressure flow line	Date and Hour of Occurrence:		Iour of Discovery: 1/10/14 at
	1/10/14 Time Unknown	<u>,</u> 12:30 p.m.	
Was Immediate Notice Given?	If YES, To Whom?	DINK	
Ycs 🗌 No 🗌 Not Required	NMOCD emergency #104 and the	BLM	
By Whom? Tony Savoie	Date and Hour: 1/10/14 at 3:41 p.t		
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	atercourse.	
Yes 🛛 No			
If a Watercourse was Impacted, Describe Fully.*			
		i.	
			JAN 15 2014
		ľ.	
	· · · · · · · · · · · · · · · · · · ·	ું ત્વર	
Describe Cause of Problem and Remedial Action Taken.* The fiberglass injection line ruptured, cause unknown. The line segment	was isolated with the postion of line -		
The indergrass injection line tuplated, cause unknown. The line segment	was isolated until the section of the c	an be replaced	1
Describe Area Affected and Cleanup Action Taken.*			
Approximately 23,224 sq. ft. of pasture and approximately 7,888 sq.ft. of	well pad and road were impacted by	the release. A	ll of the free standing fluid was
recovered with a vacuum truck. The area was surveyed with a GIS and th	e data was given to the BLM, permiss	sion to start re	moving contamination was
received at 2:00 p.m. on 1/14/14. Crews will start removing the impacted			•
The remediation will comply with the NMOCD and BLM remediation gu	idelines.		•
I hereby certify that the information given above is true and complete to	the best of my knowledge and underst	and that nursu	ant to NMOCD rules and
regulations all operators are required to report and/or file certain release r	otifications and perform corrective a	ctions for relea	ases which may endanger
public health or the environment. The acceptance of a C-141 report by the			
should their operations have failed to adequately investigate and remedia	te contamination that pose a threat to	ground water,	surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report of	loes not relieve the operator of respor	sibility for co	mpliance with any other
federal, state, or local laws and/or regulations.			
	OIL CONSER	VATION I	DIVISION
Signature: 1 bry Sauce			•
Signature: (bry Dauce			
Printed Name: Tony Savoic	Approved by Environmental Special	ISI:	
	*		
Title: Waste Management and Remediation Specialist	Approval Date:	Expiration D	Date:
		h	
E-mail Address: tasavoie@basspet.com	Conditions of Approval:		Attached
Date: 1/14/14 Phone: 432-556-8730			A

* Attach Additional Sheets If Necessary

Appendix B Photographs



Photograph of the initial release at the PLU #188Y Release Site.



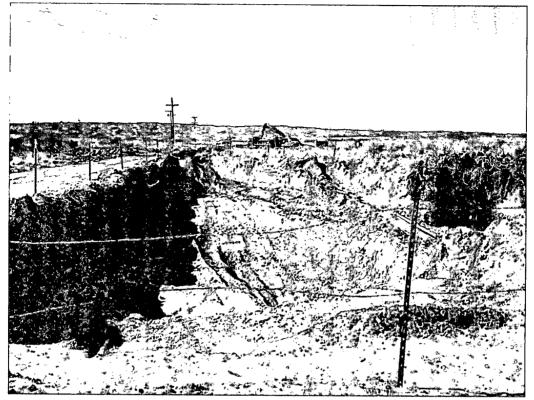
Photograph of the initial release at the PLU #188Y Release Site.



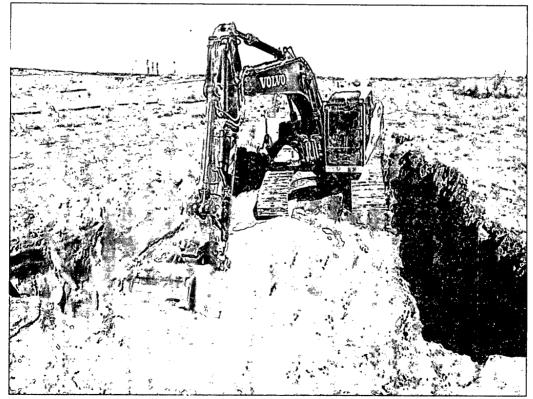
Photograph of the initial release at the PLU #188Y Release Site.



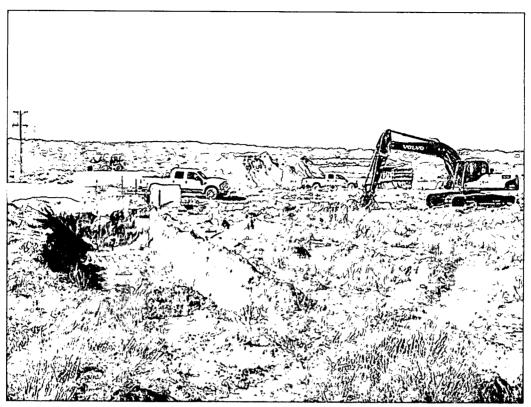
Photograph of the initial release and affected well pad at the PLU #188Y Release Site.



Photograph of the excavated release point area at the PLU #188Y Release Site.



Photograph of the advancement of delineation trench in Excavation #3 at the PLU #188Y Release Site.



Photograph of Excavation #4 at the PLU #188Y Release Site.



Photograph of Excavations #3 and #5 at the PLU #188Y Release Site.



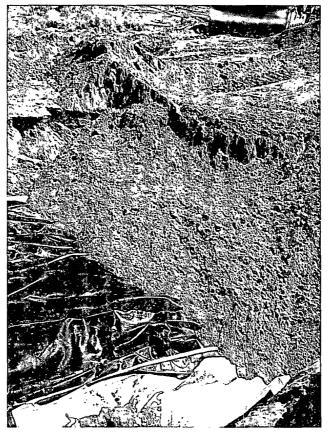
Photograph of Excavation #6 at the PLU #188Y Release Site.



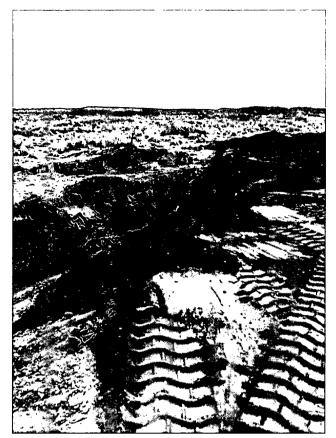
Photograph of Excavation #6 at the PLU #188Y Release Site.



Photograph of the installation of 20-mil liner in Excavation #3 at the PLU #188Y Release Site.



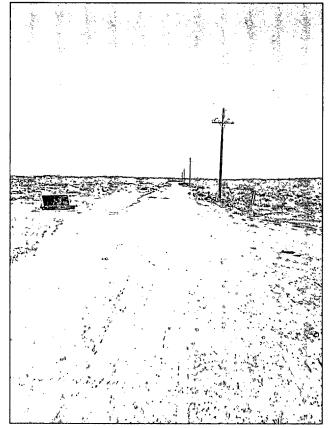
Photograph of backfilling activities at the PLU #188Y Release Site.



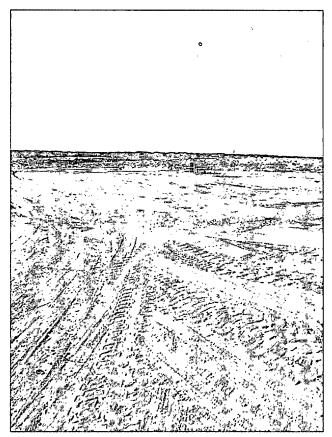
Photograph of backfilling activities at the PLU #188Y Release Site.



Photograph of the PLU #188Y Remediation Site after backfilling activities.



Photograph of the PLU #188Y Remediation Site after backfilling activities.



Photograph of the affected well pad at PLU #188Y Remediation Site after remediation activities.

Appendix C

Laboratory Analytical Reports



January 29, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: PLU #188Y

Enclosed are the results of analyses for samples received by the laboratory on 01/23/14 11:50.

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/ga/lab accredited certif.html.

Cardinal Laboratories is accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/23/2014	Sampling Date:	01/20/2014
Reported:	01/29/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: RP N. FLOOR @ 12' (H400215-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/24/2014	ND	416	104	400	0.00	

Sample ID: RP S. FLOOR @ 9' (H400215-02)

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	01/27/2014	ND	2.38	119	2.00	2.71	
Toluene*	<0.050	0.050	01/27/2014	ND	2.34	117	2.00	2.39	
Ethylbenzene*	<0.050	0.050	01/27/2014	ND	2.34	117	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/27/2014	ND	6.73	112	6.00	2.76	
Total BTEX	<0.300	0.300	01/27/2014	ND					

89.4-126

Surrogate: 4-Bromofluorobenzene (PIE 112 %

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	01/24/2014	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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	<10.0	10.0	01/27/2014	ND	177	88.3	200	0.787	
EXT DRO >C28-C35	<10.0	10.0	01/27/2014	ND					
Surrogate: 1-Chlorooctane	90.8	% 65.2-14	0	v			, ,		<u>_</u>

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/23/2014	Sampling Date:	01/20/2014
Reported:	01/29/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: RP S. FLOOR @ 9' (H400215-02)

TPH 8015M	mg,	/kg	Analyz	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPÐ	Qualifier
Surrogate: 1-Chlorooctadecane	88.2	% 63.6-154							

Sample ID: RP ESW #1 (H400215-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/24/2014	ND	416	104	400	0.00	

Sample ID: RP ESW #2 (H400215-04)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/24/2014	ND	416	104	400	0.00	

Sample ID: RP NSW (H400215-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/24/2014	ND	416	104	400	0.00	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/23/2014	Sampling Date:	01/20/2014
Reported:	01/29/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: RP WSW #1 (H400215-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/24/2014	ND	416	104	400	0.00	

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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. Kune

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Company Name:	Basin Environmental Service Technol	_	s, Ll	_C						Bl	ILL	ΤΟ						ANAL	YSIS	REG	QUES	Т		
Project Manager:	Joel Lowry -							P.O. #:				124					[
Address: P.O. B	3ox 301							Company: BOPCO, LP				7												
City: Lovington	State: NM	Zip	8	826	0			Attr			To	ony Savoi	e		adduct	-								
Phone #: (575)3	396-2378 Fax #: (575)39	6-14	29					Add		s.		22 W. Ma			L A	-								j
Project #:	Project Owner	:						City	• ** **			Carlsbad			ರ									
Project Name:	PLU #188 Y									NM			8220		ŝ	18)								
Project Location:	Eddy Co., NM							Pho				432)556-4		Chloride	015	802								
Sampler Name:	Joel Lowry							Fax		<u></u>	(-	102,000	· · · · · · · · · · · · · · · · · · ·	ਸ਼ੁੱ.	TPH (8015M)	BTEX (8021B)								
FOR LAB USE ONLY			Γ	—	MA	TRI				SERV.	. s		IG		ЧР	вт								
Lab I.D. H40021	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :		DATE	TIME											
1	RP N. Floor @ 12'	G	4		X					x		20/14	1100	x										
	RP S. Floor @ 9'	G	1		X	:				x	1/2	20/14	1110	x	X	χ								
	RP ESW #1	G	1		×	:				x	17.	20/14	1120	x										
<u> </u>	RP ESW #2	G	1		X	:				x	17.	20/14	1130	×										
5	RP NSW	G	1		×	:				x	1/	20/14	1140	×										
6	RP WSW #1	G	1		×	:[x	1/	20/14	1150	×					L					
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PLEASE NOTE: Liability and Damages. Carolina's liability and client's enclusive remedy for any calm arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All chima inducing toose for regigence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable

service. In no event shall Cardnel be liable for indicential or consequential damages, including without limitation, business intemptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors ariting out of or related to the performance of nervices interunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Retinquished By:	Paters 14 Received By:	Phone Result: I Yes No. jAdd'l Phone #: Fax Result: I Yes I No. Add'l Fax #:
tul for	11:50 April Henson	REMARKS:
Relinquished By:	Date: Received By:	
	Time:	Please email results to pm@basinenv.com, TASavoie@BassPet.com & SJWalters@BassPet.com
Delivered By: (Circle One)	Sample Condition CHECKED BY: Cool Infact (Initials)	
Sampler - UPS - Bus - Other: FORM-006	1.8 C BYES VES	
Revision 1.0	† Cardinal cannot accept verbal changes, Please fax	written changes to 575-393-2476
	#54	



January 31, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: PLU #188Y

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 8:50.

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 accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/27/2014	Sampling Date:	01/24/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. #1 WSW (H400243-01)

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2014	ND	416	104	400	0.00	

Sample ID: EXC. #1 FLOOR #2 (H400243-02)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/29/2014	ND	416	104	400	0.00	

Sample ID: EXC. #2 ESW (H400243-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2014	ND	416	104	400	0.00	

Sample ID: EXC. #2 SSW (H400243-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2014	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/27/2014	Sampling Date:	01/24/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. #2 FLOOR #1 (H400243-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2014	ND	2.44	122	2.00	0.161	
Toluene*	<0.050	0.050	01/29/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.86	114	6.00	0.152	
Total BTEX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL 110 % 89.4-126

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	01/29/2014	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/31/2014	ND	203	101	200	1.95	
DRO >C10-C28	<10.0	10.0	01/31/2014	ND	195	97.4	200	1.09	
EXT DRO >C28-C35	<10.0	10.0	01/31/2014	ND					
Surrogate: 1-Chlorooctane	76.3	% 65.2-14	0			-			
Surrogate: 1-Chlorooctadecane	89.9	% 63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/24/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. #2 FLOOR #2 (H400243-06)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2014	ND	416	104	400	0.00	

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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

Page 5 of 6

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Page 6 of

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

	101 East Mariand, Hobbs, NM 8824 (575) 393-2326 FAX (575) 393-247			· · · · · · · · · · · · · · · · · · ·														
Company Name:	Basin Environmental Service Techno	logies, LLC			BILL TO			::			ANAL	YSIS	REG	QUES	σT .			
Project Manager:	Joel Lowry			P.O. #:							1.1.1.1	1					T	.
Address: P.O.E	3ox 301			Company	y: BOP	CO, LP	1							::::	:		:	
City: Lovington	State: NM	Zip: 88260) _{::}	Attn:	Tony Sav	oie					[: ·]				- L.			
Phone #: (575)3	396-2378 Fax #: (575)38	6-1429		Address	522 W. N	lariand	i. • :	· ·					1.1		1			
Project #:	Project Owner	٠ <u>. </u>		City:	Carlsba	d			·:									
Project Name:	PLU #188 Y			State:	NM Zip:	88220		2W	(1B)	· .·					ľ		· · ·	
Project Location:	Eddy Co., NM		•••	Phone #:	: (432)556	-8730	Chloride	TPH (8015M)	BTEX (8021B)							1.11		
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FOR LAB USE ONLY	Sample I.D.	G)RAB OR (C)OMP. F CONTAINERS SROUNDWATER	VASTEWATER SOIL DIL XILLOGF	PRES I I I I I I I I I I I I I I I I I I I		ING	· · · ·											
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February 07, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: PLU #188Y

Enclosed are the results of analyses for samples received by the laboratory on 01/30/14 12:20.

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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and water and solid and solid and solid analytes and water analytes analytes analytes analytes analytes analytes analytes analytes analytes and water analytes analyt

Cardinal Laboratories is accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/30/2014	Sampling Date:	01/28/2014
Reported:	02/07/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 3 TT @ 8' (H400303-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2014	ND	2.54	127	2.00	0.915	
Toluene*	<0.050	0.050	02/05/2014	ND	2.49	125	2.00	0.516	
Ethylbenzene*	<0.050	0.050	02/05/2014	ND	2.49	124	2.00	0.462	
Total Xylenes*	<0.150	0.150	02/05/2014	ND	7.18	120	6.00	0.427	
Total BTEX	<0.300	0.300	02/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID 114 % 89.4-126

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10900	16.0	01/31/2014	ND	400	100	400	3.92	
TPH 8015M	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/01/2014	ND	214	107	200	2.00	
DRO >C10-C28	<10.0	10.0	02/01/2014	ND	214	107	200	2.09	
EXT DRO >C28-C35	<10.0	10.0	02/01/2014	ND					
Surrogate: 1-Chlorooctane	88.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.7	% 63.6-15	4						

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/30/2014	Sampling Date:	01/28/2014
Reported:	02/07/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 3 TT @ 12' (H400303-02)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17000	16.0	01/31/2014	ND	400	100	400	3.92	

Sample ID: EXC. 3 TT @ 16' (H400303-03)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	01/31/2014	ND	400	100	400	3.92	

Sample ID: EXC. 3 TT @ 18' (H400303-04)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/31/2014	ND	400	100	400	3.92	

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/30/2014	Sampling Date:	01/28/2014
Reported:	02/07/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 4 TT @ 4' (H400303-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2014	ND	2.54	127	2.00	0.915	
Toluene*	<0.050	0.050	02/05/2014	ND	2.49	125	2.00	0.516	
Ethylbenzene*	<0.050	0.050	02/05/2014	ND	2.49	124	2.00	0.462	
Total Xylenes*	<0.150	0.150	02/05/2014	ND	7.18	120	6.00	0.427	
Total BTEX	<0.300	0.300	02/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL 113 % 89.4-126

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	01/31/2014	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/01/2014	ND	214	107	200	2.00	
DRO >C10-C28	<10.0	10.0	02/01/2014	ND	214	107	200	2.09	
EXT DRO >C28-C35	<10.0	10.0	02/01/2014	ND					
Surrogate: 1-Chlorooctane	91.4	% 65.2-14	0						
Surrogate: I-Chlorooctadecane	<i>98.3</i>	% 63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/30/2014	Sampling Date:	01/28/2014
Reported:	02/07/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 4 TT @ 8' (H400303-06)

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	01/31/2014	ND	400	100	400	3.92	

Sample ID: EXC. 4 TT @ 12' (H400303-07)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	01/31/2014	ND	400	100	400	3.92	

Sample ID: EXC. 4 TT @ 18' (H400303-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	01/31/2014	ND	400	100	400	3.92	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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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Page 6 of 7

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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e, in no event shall Cardinal be liable for incidential or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, es or successors arising out of or related to the performance of services bereunder by Cardinel, repardiess of whether such claim is based upon any of the above stated reasons or otherwise.			:.				.:			_		· · · · ·		
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February 07, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: PLU #188Y

Enclosed are the results of analyses for samples received by the laboratory on 01/30/14 12:20.

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 accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/30/2014	Sampling Date:	01/29/2014
Reported:	02/07/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 4B NSW (H400302-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/31/2014	ND	400	100	400	3.92	

Sample ID: EXC. 4B WSW (H400302-02)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/31/2014	ND	400	100	400	3.92	

Sample ID: EXC. 4C NSW (H400302-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/31/2014	ND	400	100	400	3.92	

Sample ID: EXC. 4C ESW (H400302-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/31/2014	ND	400	100	400	3.92	

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*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/30/2014	Sampling Date:	01/29/2014
Reported:	02/07/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 4 ESW (H400302-05)

Chloride, SM4500CI-B	5M4500Cl-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	01/31/2014	ND	400	100	400	3.92	

Sample ID: EXC. 3 NSW (H400302-06)

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	01/31/2014	ND	400	100	400	3.92	

Sample ID: EXC. 3 ESW (H400302-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/31/2014	ND	400	100	400	3.92	

Sample ID: EXC. E SSW #1 (H400302-08)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP		· · · · · · · · · · · · · · · · · · ·	·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/31/2014	ND	400	100	400	3.92	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	01/30/2014	Sampling Date:	01/29/2014
Reported:	02/07/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 3 EAST FLOOR (H400302-09)

BTEX 8021B	mg,	mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2014	ND	2.54	127	2.00	0.915	
Toluene*	<0.050	0.050	02/05/2014	ND	2.49	125	2.00	0.516	
Ethylbenzene*	<0.050	0.050	02/05/2014	ND	2.49	124	2.00	0.462	
Total Xylenes*	<0.150	0.150	02/05/2014	ND	7.18	120	6.00	0.427	
Total BTEX	<0.300	0.300	02/05/2014	ND					-

Surrogate: 4-Bromofluorobenzene (PIC 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	48.0	16.0	01/31/2014	ND	400	100	400	3.92	
TPH 8015M	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/01/2014	ND	214	107	200	2.00	
DRO >C10-C28	<10.0	10.0	02/01/2014	ND	214	107	200	2.09	
EXT DRO >C28-C35	<10.0	10.0	02/01/2014	ND					
Surrogate: 1-Chlorooctane	85.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	81.6	% 63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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. Kune

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

of 6

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Page

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: Basin Environmental Service Technolo	gies, LLC	BILL TO	ANALYSIS REQUEST
Project Manager: Joel Lowry		P.O. #:	
Address: P.O. Box 301		Company: BOPCO, LP	
City: Lovington State: NM	Zip: 88260	Attn: Tony Savoie	
Phone #: (575)396-2378 Fax #: (575)396	6-1429	Address: 522 W. Marland	
Project #: Project Owner:	1 . 2	City: Carlsbad	
Project Name: PLU #188 Y		State: NM Zip: 88220	
Project Location: Eddy Co., NM		Phone #: (432)556-8730	Chloride BTEX (8021B)
Sampler Name: Joel Lowry	<u>.</u>	Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CÓNTAINERS BROUNDWATER WASTEWATER SOIL DIL SLUDGE		
H400302	(G)RAB (# CÓNTA GROUNE WASTEW WASTEW SOIL OIL SLUDGE	ACID/BASE ICE / COOL OTHER:	
I Exc. 4b NSW	G 1 X	X 1/29/14 1000	
Z Exc. 4b WSW	G 1 X	X 1/29/14 1010	x
3 Exc.4c NSW	G 1 X	X 1/29/14 1020	x
4 Exc. 4c ESW	G 1 X	X 1/29/14 1030	x
Exc. 4 ESW	G 1 X	X 1/29/14 1050	X
Exc. 3 NSW	G 1 X	X 1/29/14 1100	X I I I I I I I I I I I I I I I I I I I
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† Cardinal cannot accept verbal changes Please fax written changes to 575-393-2476



February 07, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: PLU #188Y

Enclosed are the results of analyses for samples received by the laboratory on 02/03/14 12:00.

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 accredited certif.html.

Cardinal Laboratories is accreditated 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,

Celeg D. Kune

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/03/2014	Sampling Date:	01/31/2014
Reported:	02/07/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 4B FLOOR @ 4' (H400318-01)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/07/2014	ND	416	104	400	0.00	

Sample ID: EXC. 4C FLOOR @ 4' (H400318-02)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	02/07/2014	ND	416	104	400	3.92	

Sample ID: EXC. 4 EAST FLOOR (H400318-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	02/07/2014	ND	416	104	400	3.92	

Sample ID: IN-SITU #1 (H400318-04)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11300	16.0	02/07/2014	ND	416	104	400	3.92	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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. Kune

Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

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Revision 1.0

101 East Mariand, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

	(515) 555-2520 1 20	(010) 000-241																						<u> </u>	
Company Name:	Basin Environmenta	Service Technol	ogies,	LLC						B	ILL 70			<u>.</u>			ANA	LYSI	S RE	QUES	ST	:			. :
Project Manager:	Joel Lowry			·: ·	:		÷.,	P.0	#:		<u> </u>	- <u>-</u>		-	· . · ·		:	1			1.7	1			and a second
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Phone #: (575)	396-2378	Fax #: (575)39	6-1429	9				Add	Iress	s:	522 W. M	arland]:				: 1:		}.			1. :	1: **		
Project #:		Project Owner				: :		City	<i>r</i> :		Carlsba	d .]	ļ		<u> </u>	i.				
Project Name:	PLU #188 Y				: . :			Sta	te:	NM	Zip:	88220		(W)	18			• • • • •				:			
Project Location:	Eddy Co., NM			::	: :			Pho	one #	t:	(432)556	-8730	Chloride	TPH (8015M)	BTEX (8021B								•		
Sampler Name:	Joel Lowry		:`					Fax	#:		· · · · ·		ਤਿ	Ha	Ĭ]			1::	ļ			1 : : [:]
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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February 11, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: PLU #188Y

Enclosed are the results of analyses for samples received by the laboratory on 02/05/14 9:45.

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 accredited certif.html.

Cardinal Laboratories is accreditated 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,

Celay D. Kune

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 3B FLOOR (H400359-01)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	02/11/2014	ND	416	104	400	0.00	

Sample ID: EXC. 5 NSW (H400359-02)

Chloride, SM4500Cl-B	Analyte Result Reporting			d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/11/2014	ND	416	104	400	0.00	

Sample ID: EXC. 5 FLOOR (H400359-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2014	ND	2.34	117	2.00	4.12	
Toluene*	<0.050	0.050	02/11/2014	ND	2.32	116	2.00	3.68	
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2.00	4.18	
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04	
Total BTEX	<0.300	0.300	02/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	1199	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	02/11/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	mg/kg Analyze		d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 5 FLOOR (H400359-03)

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	02/07/2014	ND	205	102	200	8.13	
DRO >C10-C28	<10.0	10.0	02/07/2014	ND	197	98.5	200	11.2	
EXT DRO >C28-C35	<10.0	10.0	02/07/2014	ND					
Surrogate: 1-Chlorooctane	101 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104 9	% 63.6-15	4						

Sample ID: EXC. 5 SSW (H400359-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM		· · · · · · · · · · · · · · · · · · ·		<u> </u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/11/2014	ND	416	104	400	0.00	

Sample ID: EXC. 6 NSW (H400359-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/11/2014	ND	416	104	400	0.00	

Sample ID: EXC. 6 FLOOR (H400359-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/11/2014	ND	416	104	400	0.00	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 6 SSW (H400359-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/11/2014	ND	416	104	400	0.00	

Sample ID: IN-SITU #2 (H400359-08)

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6080	16.0	02/11/2014	ND	416	104	400	0.00	

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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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Celuz D. Kune

Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Basin Environmental Service Technologies, LLC Project Manager: Joel Lowry Address: P.O. #: Address: P.O. Box 301 Company: BOPCO, LP City: Lovington State: NM Zip: 88260 Attn: Tony Savoie Phone #: (575)396-2378 Fax #: (575)396-1429 Address: 522 W. Marland Project #: Project Owner: City: Carlsbad Project Name: PLU #188 Y State: NM Zip: 88220 Project Location: Eddy Co., NM Phone #: (432)556-8730 Sampler Name: Joel Lowry Fax #: Project See Fax SAMPLING Lab I.D. Sample-I.D. Will We					ANAI	LYSIS	REC	QUES	T		:	: :::::			9
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February 20, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: PLU #188Y

Enclosed are the results of analyses for samples received by the laboratory on 02/12/14 13:40.

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 accredited analytes.

Cardinal Laboratories is accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/20/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		·

Sample ID: EXC. 7 NSW @ 3' (H400427-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/14/2014	ND	416	104	400	3.92	

Sample ID: EXC. 7 WSW @ 3' (H400427-02)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/14/2014	ND	416	104	400	3.92	

Sample ID: EXC. 7 EAST FLOOR @ 4' (H400427-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/14/2014	ND	416	104	400	3.92	

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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		Basin Env	ironmental Service					
		JOEL LOW	/RY					
		P.O. Box 301						
		Lovington	NM, 88260					
		Fax To:	(575) 396-1429	1				
Received:	02/12/2014			Sampling Date:	02/11/2014			
Reported:	02/20/2014			Sampling Type:	Soil			
Project Name:	PLU #188Y			Sampling Condition:	Cool & Intact			
Project Number:	NONE GIVEN			Sample Received By:	Kathy Perez			
Project Location:	EDDY COUNTY, NM							

Sample ID: EXC. 7 WEST FLOOR @ 4' (H400427-04)

mg,	/kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
80.0	16.0	02/14/2014	ND	416	104	400	3.92	
mg,	/kg	Analyze	d By: ms					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/13/2014	ND	198	98.9	200	12.2	
<10.0	10.0	02/13/2014	ND	195	97.5	200	9.27	
<10.0	10.0	02/13/2014	ND					
105	% 65.2-14	0						
105	% 63.6-15	4						
	Result 80.0 mg, Result <10.0 <10.0 <10.0	80.0 16.0 mg/kg Result Reporting Limit <10.0	Result Reporting Limit Analyzed 80.0 16.0 02/14/2014 mg/kg Analyzed Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank 80.0 16.0 02/14/2014 ND mg/kg Analyzed By: ms Method Blank Result Reporting Limit Analyzed Method Blank <10.0	Result Reporting Limit Analyzed Method Blank BS 80.0 16.0 02/14/2014 ND 416 mg/kg Analyzed By: ms BS Result Reporting Limit Analyzed Method Blank BS 10.0 10.0 02/13/2014 ND 198 <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery 80.0 16.0 02/14/2014 ND 416 104 mg/kg Analyzed By: ms S % Recovery Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 80.0 16.0 02/14/2014 ND 416 104 400 mg/kg Analyzed By: ms Method Blank BS % Recovery True Value QC Analyzed By: ms Method Blank BS % Recovery True Value QC 10.0 02/13/2014 ND 198 98.9 200 <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 80.0 16.0 02/14/2014 ND 416 104 400 3.92 mg/kg Analyzed By: ms Method Blank BS % Recovery True Value QC RPD Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

Sample ID: ROAD FLOOR #1 @ 18" (H400427-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/14/2014	ND	416	104	400	3.92	

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429 Received: 02/12/2014 Sampling Date: 02/11/2014 Reported: 02/20/2014 Sampling Type: Soil Project Name: PLU #188Y Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Kathy Perez Project Location: EDDY COUNTY, NM

Sample ID: ROAD FLOOR #2 @ 18" (H400427-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2014	ND	2.25	113	2.00	5.84	
Toluene*	<0.050	0.050	02/20/2014	ND	2.26	113	2.00	4.05	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.57	110	6.00	2.90	
Total BTEX	<0.300	0.300	02/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE 96.7 % 89.4-126

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/14/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/13/2014	ND	198	98.9	200	12.2	
DRO >C10-C28	<10.0	10.0	02/13/2014	ND	195	97.5	200	9.27	
EXT DRO >C28-C35	<10.0	10.0	02/13/2014	ND					
Surrogate: 1-Chlorooctane	107	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	106	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/20/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: ROAD SSW #1 (H400427-07)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/14/2014	ND	416	104	400	3.92	

Sample ID: EXC. 6B SSW (H400427-08)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/14/2014	ND	416	104	400	3.92	

Sample ID: EXC. 6B WSW (H400427-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/14/2014	ND	416	104	400	0.00	

Sample ID: EXC. 6B ESW (H400427-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/14/2014	ND	416	104	400	0.00	

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Celuz D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/20/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: EXC. 6B FLOOR @ 4' (H400427-11)

Chloride, SM4500CI-8	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/14/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/13/2014	ND	198	98.9	200	12.2	
DRO >C10-C28	<10.0	10.0	02/13/2014	ND	195	97.5	200	9.27	
EXT DRO >C28-C35	<10.0	10.0	02/13/2014	ND					
Surrogate: 1-Chlorooctane	95.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.3	% 63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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 SM4500CI-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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Celay D. Kune

Celey D. Keene, Lab Director/Quality Manager



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101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

	101 East Marland, Hobbs, NM 8824 (575) 393-2326 FAX (575) 393-247	· ·		• • •	•		·													.•				**
Company Name:	Basin Environmental Service Techno	logies	LLC.	1			B	111 70			÷. :.			ANA	LYSIS	S RE	QUES	ST :	1			1		÷
Project Manager:	Joel Lowry		:		F	- .0.	#:					: • •				· [:-]	Τ				· .			
Address: P.O.	Box 301			: :		Com	pany:	BOP	CO, LP					·			: . · · ·						;	
				Attn		Tony Sav	vole									· · ·				, 				
Phone #: (575)	396-2378 Fax #: (575)39	6-142)	:		\ddi	ess:	522 W. N		1	1			le i	[I					11.11		:
					City:		Carlsba					. :				:	E							
Project Name:	PLU #188 Y		:	:	s	State	e: NM	Zip:	88220		(W)	B								/				•
Project Location:	Eddy Co., NM			•	F	hor	ne #:	(432)55	6-8730	Chloride	TPH (8015M)	BTEX (8021B)] ÷	i ·					1: 1				
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FOR LAB USE ONLY				MATRI	x	F	RESERV	SAMPL	ING		F	6	· . ·		1		•	l .		• • •		Ľ		
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6	Road Floor #2 @ 18"	G		x		:	x	2/11/14	1020	x	X	×		:: .:			-					· ·		đ.
7	Road SSW #1	G		x :		·	x	2/11/14	1030	×								:.				· · · ·		
8	Exc. 6b SSW	G	. <i>.</i>	X	,		X	2/11/14	1040	· · x ·														
9	Exc. 6b WSW	G		x	<u> </u>	-	X	2/11/14	1050	:- X *	: ::		-	: ::										: :
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PLEASE NOTE: Liability and	EXC. 6D Floor @ 4'	G	n artsing	X			X X	2/1.1/14	1110	X the clie	X	<u>: : ··</u>		Ļ		<u> </u>		. ·				i		
analyses. All claims including #	nose for negligence and any other cause whatsoever shall be deemed nail be liable for incidental or consequental damages, including without	walved unk	ss made i	in writing and re	ceived by C	Cerdina	il within 30 da	ys after completion	of the applicable			5		.: :	. :			:		:				· .
	but of or related to the performance of services hereunder by Cardinal, Date:	regardiess		r such claim is b						sult			No	Add'l	Phone	#.	<u> </u>				· · · ·	•. I :*		,
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Page 8 of

Sampler - UPS - Bus FORM-006 - Other: **Revision 1.0**

#50 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



February 20, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: PLU #188Y

Enclosed are the results of analyses for samples received by the laboratory on 02/14/14 14:30.

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 accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/14/2014	Sampling Date:	02/14/2014
Reported:	02/20/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: ROAD FLOOR #3 (H400456-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/19/2014	ND	400	100	400	0.00	

Sample ID: ROAD FLOOR #4 (H400456-02)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/19/2014	ND	400	100	400	0.00	

Sample ID: ROAD FLOOR #5 (H400456-03)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/19/2014	ND	400	100	400	0.00	

Sample ID: ROAD FLOOR #6 (H400456-04)

Chloride, SM4500CI-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	02/19/2014	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/14/2014	Sampling Date:	02/14/2014
Reported:	02/20/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: ROAD FLOOR #7 (H400456-05)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	02/19/2014	ND	400	100	400	0.00	

Sample ID: ROAD FLOOR #8 (H400456-06)

Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/19/2014	ND	400	100	400	0.00	

Sample ID: ROAD FLOOR #9 (H400456-07)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM		<u></u>				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/20/2014	ND	416	104	400	3.77	

Sample ID: SOUTH ROAD #1 (H400456-08)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/20/2014	ND	416	104	400	3.77	

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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5 of :

Page

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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Revision 1.0

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		· . · .	:: : :	· · · · · · · · · · · · · · · · · · ·	• :		. ¹ : 	::::::::::::::::::::::::::::::::::::::	• : 	
Company Name: Basin Environmental Service Technologies, LLC	BILL TO	:		Á	NALYSIS	REQU	EST			i 11.
Project Manager: Joël Lowry	P.O. #:		· .						T .	
Address: P.O. Box 301	Company: BOPCO, LP									
City:LovingtonState:-NMZip:88260	Attn: Tony Savoie			· ·	· · · · · · · · · · · · · · · · · · ·					
Phone #: (575)396-2378 Fax #: (575)396-1429	Address: 522 W. Marland									
Project #: Project Owner:	City: Carlsbad									
Project Name: PLU #188 Y	State: NM Zip: 88220 @	E	1 B)	· ·						
Project Location: Eddy Co., NM	State: NM ZIP: 60220 a Phone #: (432)556-8730 6 6 6 Fax #: C C C C C	IPH (8015M)	BTEX (8021B)							11 I •
Sampler Name: Joel Lowry	Fax #: 5	H	Ĕ.							1 <u>-</u> - E
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PLEASE NOTE: Liability and Damages. Cardinai's liability and client's exclusive remedy for any claim arising whether based in	ontract or tort, shall be limited to the amount paid by the clier	nt for the			<u> </u>					
service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of us	by Cardinal within 30 days after completion of the applicable , or loss of profile incurred by client, its subsidiaries,							· · ·		
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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476 # 54



February 28, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: PLU #188Y

Enclosed are the results of analyses for samples received by the laboratory on 02/19/14 15:20.

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 accredited analytes.

Cardinal Laboratories is accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/19/2014	Sampling Date:	02/19/2014
Reported:	02/28/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: PAD NSW #1 (H400501-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/24/2014	ND	416	104	400	0.00	

Sample ID: PAD NSW #2 (H400501-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/24/2014	ND	416	104	400	0.00	

Sample ID: PAD NSW #3 (H400501-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/24/2014	ND	416	104	400	0.00	

Sample ID: PAD ESW #1 (H400501-04)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/24/2014	ND	416	104	400	0.00	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/19/2014	Sampling Date:	02/19/2014
Reported:	02/28/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: PAD SSW #1 (H400501-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CK					<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/24/2014	ND	416	104	400	0.00	

Sample ID: PAD FLOOR #1 (H400501-06)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/24/2014	ND	416	104	400	0.00	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/19/2014	Sampling Date:	02/19/2014
Reported:	02/28/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: PAD FLOOR #2 (H400501-07)

BTEX 8260B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2014	ND	1.92	95.8	2.00	2.11	
Toluene*	<0.050	0.050	02/27/2014	ND	1.99	99.5	2.00	1.91	
Ethylbenzene*	<0.050	0.050	02/27/2014	ND	1.86	93.0	2.00	2.50	
Total Xylenes*	<0.150	0.150	02/27/2014	ND	5.63	93.8	6.00	2.40	
Total BTEX	<0.300	0.300	02/27/2014	ND	÷				
Surrogate: Dibromofluoromethane	97.7	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	98.4	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/24/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/25/2014	ND	211	105	200	1.44	
DRO >C10-C28	<10.0	10.0	02/25/2014	ND	209	105	200	1.86	
EXT DRO >C28-C35	<10.0	10.0	02/25/2014	ND					
Surrogate: 1-Chlorooctane	95.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	102	63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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. Kune

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Page 6 of

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: Basin Environmental Service Technologies, LLC	BILL TO	ANALYSIS REQUEST
Project Manager: Joel Lowry	P.O. #:	
Address: P.O. Box 301	Company: BOPCO, LP	
City: Lovington State: NM Zip: 88260	Attn: Tony Savoie	
Phone #: (575)396-2378 Fax #: (575)396-1429	Address: 522 W. Marland	
Project #: Project Owner:	City: Carlsbad	
Project Name: PLU #188Y	State: NM Zip: 88220	21B)
Project Location: Eddy Co., NM	Phone #: (432)556-8730	Chloride TPH (8015M)
Sampler Name: Joel Lowry	Fax #:	
FOR LAB USE ONLY MATRIX	C PRESERV. SAMPLING	
Tap I'D' Samble I'D' Alter		
Tap I.D. Sample I.D. # CONTAINERS GROUNDWATER SSOIL OIL	SLUDGE OTHER: ACIDIBASE: DITHER: ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIA	
1 Pod 25 w#1 61 X	X 2/14/14 105	1
ZPANNSW#Z 61 1		
3 Par NSW#3 6 (4	1. 1. X 1. 1.5.	
4 Pad ESWEL UIX	X 120	
5 Pad \$500#1 61 x	X 175	
6 Pad Floor #1 61 x	130	
7 Pad Floor BZ UIN	7 V 135	
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	Henson REMARKS	It: 🗌 Yes 🖾 No 🛛 Add'i Fax #:
	TASa	se email results to pm@basinenv.com, avoie@BassPet.com & SJW alters@BassPet.com
Delivered By: (Circle One) Sample Concord Integration Sampler - UPS - Bus - Other: 5.22 FORM-006 No	Ves Withes	
Revision 1.0 † Cardinal cannot accept	verbal changes. Please fax written cha #SL(nanges to 575-393-2476



March 03, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: PLU #188Y

Enclosed are the results of analyses for samples received by the laboratory on 02/25/14 8:25.

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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/25/2014	Sampling Date:	02/24/2014
Reported:	03/03/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: PAD SSW #2 (H400562-01)

Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	02/28/2014	ND	416	104	400	0.00	

Sample ID: PAD SSW #3 (H400562-02)

Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/28/2014	ND	416	104	400	0.00	

Sample ID: PAD NSW #4 (H400562-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/28/2014	ND	416	104	400	0.00	

Sample ID: PAD WSW #1 (H400562-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	02/28/2014	ND	416	104	400	3.92	

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/25/2014	Sampling Date:	02/24/2014
Reported:	03/03/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: PAD FLOOR #3 (H400562-05)

Chloride, SM4500CI-B mg/kg		Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/28/2014	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 6



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/25/2014	Sampling Date:	02/24/2014
Reported:	03/03/2014	Sampling Type:	Soil
Project Name:	PLU #188Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: PAD FLOOR #4 (H400562-06)

BTEX 8260B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2014	ND	2.56	128	2.00	0.0783	
Toluene*	<0.050	0.050	03/01/2014	ND	2.58	129	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/01/2014	ND	2.39	120	2.00	2.02	
Total Xylenes*	<0.150	0.150	03/01/2014	ND	7.25	121	6.00	1.84	
Total BTEX	<0.300	0.300	03/01/2014	ND					
Surrogate: Dibromofluoromethane	101	% 61.3-14	2						
Surrogate: Toluene-d8	105	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105	65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	02/28/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2014	ND	213	107	200	3.32	
DRO >C10-C28	<10.0	10.0	03/01/2014	ND	214	107	200	2.58	
EXT DRO >C28-C35	<10.0	10.0	03/01/2014	ND					
Surrogate: 1-Chlorooctane	96.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 9	63.6-15	4						

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Celuz D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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. Kune

Celey D. Keene, Lab Director/Quality Manager

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101 East Mariand, Hobbs, NM. 88240.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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(575) 393-2326 FAX (575) 393-2476 Company Name: Basin Environmental Service Technologies, LLC Project Manager: Joel Lowry Address: P.O. Box 301																ji: ·							
							BILL TO								ANA	LYSIS	REQUEST			: :			·
							P.O. #:			· · · · ·	:								[· · ·]			1	
							Company: BOPCO, LP												÷.				
City: Lovington State: NM Zip: 88260						Attn: Tony Savoie													·		•		
Phone #: (575)396-2378 Fax #: (575)39	6-142	29					dress		522 W. M		: .												
Project #: Project Owner	r:				:	City: Carlsbad					1			:									1 ×
Project Name: PLU #188Y						·		NM		88220		ŝ	â			·		:	•			'	
Project Location: Eddy Co., NM				<u>.</u>				· · · · ·	·		Chloride	TPH (8015M)	(8021B)	1		: : · ·			:"		1		
Sampler Name: Joel Lowry				Phone #: (432)556-8730					١ <u>ڳ</u>	H (8	X						. •						
FOR LAB USE ONLY		MATRIX				Fax #: PRESERV. SAMPLING				NG	Ĭ	4	BTEX	l					:•				
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Lab I.D. Sample I.D.	R (C)0	CONTAINERS	GROUNDWATER				μį.		11 ^{- 1}			¹	:	¦: ⁺ .			11						
	G)RAB OR	NTA			BGE	Ë	ACID/BASE	DTHER	1		:: : ·				. • • :	:			·.	1			
H400562	(G)R		WAS	SOIL	oil. Sludge	OTH	ACID	OTHER.	DATE	TIME		1 :		· ·	1	{ ·	:					·· ·	. · ·
Pad SSW #2	G	1		x				x	2/24/14	1255	x		: .:			1	i.						1::
2 Pad SSW #3	Ġ	1		X			: 2	x :	2/24/14	1315	. : x	:		1					:				1
3 Pad NSW #4	Ġ	1		X			: ;	x	2/24/14	1245	x	:					• .	· .	· ·		· ·	··· .	
Pad WSW #1	G	1		x	·			x	2/24/14	1225	x			::		<u> </u>	:		•••			: :	
5 Pad Floor #3	G	.1		x			::	x :	2/24/14	1320	x .			Ĺ	:: :					· ·	••••		
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PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy f	Ŀ		<u> </u>		<u> </u>	[.			÷: ·				÷.+	÷ .								. i (1 .

In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

filiates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise **Received By:** Relinguished By: Reçeived auished l Sample Condition CHECKER Delivered B Circle One Cool Intact Ves Ves (In 4.2% Sampler - UPS - Bus - Other: FORM-006

Please email results to pm@basinenv.com, TASavoie@BassPet.com & SJWalters@BassPet.com

D No Add'l Fax #:

Add'l Phone #:

🗆 No

Revision 1.0

+ Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Phone Result:

Fax Result:

REMARKS:

🛛 Yes

□ Yes