Basin Environmental Service Technologies, LLC

3100 Plains Highway
P. O. Box 301
Lovington, New Mexico 88260
bjarguijo@basinenv.com

Office: (575) 396-2378

Fax: (575) 396-1429



REMEDIATION SUMMARY & SITE CLOSURE REQUEST

BOPCO, LP BASS 3 FEDERAL BATTERY #1

Eddy County, New Mexico Unit Letter "P" (NE/SE), Section 3, Township 22 South, Range 28 East Latitude 32.415370° North, Longitude 104.06990° West

2RP- 996

2RP-997

2 RP- 1102

BOPCO, LP

Prepared For:

2RP-1103

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

Prepared By:

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

August 2013

PECEIVED

JAN 2 3 2014

NMOCD ARTESIA

Ben J. Arguijo Project Manager

TABLE OF CONTENTS

0.1	INTRODUCTION & BACKGROUND INFORMATION	1
2.0	NMOCD SITE CLASSIFICATION	2
3.0	SUMMARY OF SOIL REMEDIATION ACTIVITIES	3
4.0	QA/QC PROCEDURES	5
	4.1 Soil Sampling	5
	4.2 Decontamination of Equipment	
	4.3 Laboratory Protocol	5
5.0	SITE CLOSURE REQUEST	5
6.0	LIMITATIONS	6
7.0	DISTRIBUTION	7

FIGURES

Figure 1 – Site Location Map

Figure 2 – Site & Sample Location Map

TABLES

Table 1 - Concentrations of Benzene, BTEX, TPH & Chloride in Soil

APPENDICES

Appendix A – Release Notification and Corrective Action (Form C-141)

Appendix B – Photographs

Appendix C – Soil Boring Logs

Appendix D – Laboratory Analytical Reports

1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin Environmental), on behalf of BOPCO, LP (BOPCO), has prepared this *Remediation Summary & Risk-Based Site Closure Request* for the release site known as Bass 3 Federal Battery #1. The legal description of the release site is Unit Letter "P" (SE/SE), Section 3, Township 22 South, Range 28 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.415370° North latitude and 104.06990° West longitude. The property affected by the release is owned by the United States Department of the Interior - Bureau of Land Management (BLM). Please reference Figure 1 for a "Site Location Map".

On January 3, 2012, BOPCO discovered a release (Release #1) had occurred at Bass 3 Federal Battery #1. A hole in the bottom of an on-site production tank resulted in a release of crude oil. The release was confined to the earthen containment area surrounding the tank battery.

The release was reported to the New Mexico Oil Conservation Division (NMOCD) Artesia District Office on January 4, 2012. The "Release Notification and Corrective Action" (Form C-141) indicated approximately twenty barrels (20 bbls) of crude oil were release. During initial response activities, a vacuum truck was utilized to recover approximately five barrels (5 bbls) of crude oil. The release affected an area inside the earthen containment berm measuring approximately two thousand, four hundred and thirty square feet (2,430 ft²) and commingled with an area impacted by a series of historical releases of crude oil and produced water.

On January 11, 2012, BOPCO discovered a second release (Release #2) had occurred at Bass 3 Federal Battery #1. A two-inch (2") pipeline from the heater treater to the on-site storage tanks developed a leak, resulting in a release of crude oil and produced water. The leak was attributed to external corrosion. The release was confined to the earthen containment area surrounding the tank battery.

The release was immediately reported to the NMOCD Artesia District Office. The Form C-141 indicated approximately sixty-five barrels (65 bbls) of produced water and less than five barrels (<5 bbls) of crude oil were released. During initial response activities, a vacuum truck was utilized to recover approximately sixty barrels (60 bbls) of produced water and approximately two barrels (2 bbls) of crude oil. The release affected an area inside the earthen containment berm measuring approximately two thousand square feet (2,000 ft²) and commingled with the area impacted by Release #1.

On March 27, 2012, BOPCO discovered a third release (Release #3) had occurred at Bass 3 Federal Battery #1. Two (2) loads of produced water were unloaded into the on-site produced water tank without prior approval from BOPCO. The water transfer pump malfunctioned and failed to discharge the excess water into a nearby salt water disposal system. The excess water, combined with the nightly crude oil and water production to the facility, caused an on-site storage tank to overflow, resulting in a release of crude oil.

The release was reported to the NMOCD Artesia District Office on April 9, 2012. The Form C-141 indicated approximately fifteen barrels (15 bbls) of crude oil were released. The release impacted the area affected by Release #1 and Release #2, for which remediation activities had been completed on March 7, 2012.

On April 3, 2012, BOPCO discovered a fourth release (Release #4) had occurred at Bass 3 Federal Battery #1. A three-quarter-inch (3/4") air eliminator on the water transfer pump broke in half due to a manufacturing defect, resulting in a release of produced water. The majority of the release was confined to the impermeable polyurethane containment area surrounding the tank battery, which had been installed at the site just prior to the release.

The release was reported to the NMOCD Artesia District Office on April 9, 2012. The Form C-141 indicated approximately two hundred and eighty-five barrels (285 bbls) of produced water were released. During initial response activities, the faulty air eliminator was replaced, and a vacuum truck was utilized to recover approximately two hundred and eighty barrels (280 bbls) of produced water.

The four (4) releases were remediated concurrently. The Forms C-141 are provided as Appendix A. General photographs of the release site(s) 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 3, Township 22 South, Range 28 East. A depth to groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately one hundred and fifteen feet (115') to one hundred and twenty feet (120') below ground surface (bgs). Gauging data collected from a nearby monitor well indicates the depth to groundwater is approximately one hundred and nine feet (109') 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 feet (1,000') 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 feet (1,000') 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 Bass 3 Federal Battery #1 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 xylenes (BTEX) 50 mg/Kg (ppm)
- Total petroleum hydrocarbons (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

Following initial response activities, from January 16 through January 17, 2012, three (3) soil borings (SB-1, SB-2, and SB-3) were advanced inside the earthen containment area surrounding the Bass 3 Federal Battery #1 in order to investigate the vertical extent of soil impacted by Release #1 and Release #2. Soil samples were collected at five-foot (5') drilling intervals and field-screened using a Photo-Ionization Detector (PID) and/or chloride test kit. Selected soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, for analysis of BTEX, TPH, and/or chloride concentrations in accordance with Environmental Protection Agency (EPA) Methods SW-846 8021b, SW-846 8015M, and 4500 Cl-B, respectively. Table 1 summarizes the "Concentrations of Benzene, BTEX, TPH & Chloride in Soil". A "Site & Sample Location Map" is provided as Figure 2. Soil boring logs are provided as Appendix C. Laboratory analytical reports are provided as Appendix D.

Soil boring SB-1 was located to the east of the two (2) on-site crude oil storage tanks. The soil boring was advanced to a total depth of approximately sixty feet (60') bgs. Soil samples collected at drilling depths of five feet (5'), ten feet (10'), twenty feet (20'), thirty feet (30'), forty feet (40'), fifty-five feet (55'), and sixty feet (60') bgs were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride concentrations. Laboratory analytical results indicated BTEX constituent concentrations were less than the appropriate laboratory method detection limit (MDL) in all submitted soil samples. TPH concentrations ranged from 35.4 mg/kg in soil sample SB-1 @ 60' to 3,008 mg/kg in soil sample SB-1 @ 5'. Chloride concentrations ranged from 16.0 mg/kg in soil sample SB-1 @ 60' to 1,540 mg/kg in soil sample SB-1 @ 20'.

Soil boring SB-2 was located near the on-site water transfer pump. The soil boring was advanced to a total depth of approximately one hundred feet (100') bgs. Soil samples collected at drilling depths of five feet (5'), ten feet (10'), twenty feet (20'), fifty feet (50'), seventy-five feet (75'), ninety-five feet (95'), and one hundred feet (100') bgs were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride concentrations. Laboratory analytical results indicated BTEX constituent concentrations were less than the appropriate laboratory MDL in all submitted soil samples. TPH concentrations were less than the laboratory MDL in all submitted soil samples, with the exception of soil sample SB-2 @ 100', which exhibited a TPH concentration of 11.9 mg/kg. Chloride concentrations ranged from 48.0 mg/kg in soil sample SB-2 @ 95' to 2,360 mg/kg in soil sample SB-2 @ 50'.

Soil boring SB-3 was located midway between the heater treater and the westernmost produced water tank. The soil boring was advanced to a total depth of approximately forty-five feet (45') bgs. Soil samples collected at drilling depths of five feet (5'), ten feet (10'), twenty-five feet (25'), forty feet (40'), and forty-five feet (45') bgs were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride concentrations. Laboratory analytical results indicated BTEX constituent concentrations were less than the appropriate laboratory MDL in all submitted soil samples. TPH concentrations were less than the laboratory MDL in all submitted soil samples, with the exception of soil sample SB-3 @ 5', which exhibited a TPH concentration of 40.9 mg/kg. Chloride concentrations ranged from 64.0 mg/kg in soil sample SB-3 @ 45' to 1,840 mg/kg in soil sample SB-3 @ 10'.

On February 21, 2012, excavation of soil impacted by Release #1 and Release #2 commenced at the site. A chloride field test kit was used to field-screen the horizontal extent of impacted soil and to guide the excavation. From February 21 through March 2, 2012, excavated soil was stockpiled on-site, pending final disposition. To preserve the structural integrity of the on-site storage tanks, the excavation was limited to a depth of six inches (6") to one foot (1') bgs. The boundaries of the excavation are depicted in Figure 2 as "Excavation 1".

From March 1 through March 2, 2012, approximately two hundred and sixty cubic yards (260 yd³) of impacted soil was transported to Lea Land, Inc. (NMOCD Permit # WM-01-035), for disposal.

On March 5, 2012, six (6) soil samples (Sample #1 through Sample #6) were collected from the floor of the excavation and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from 158 mg/kg in Sample #4 to 26,130 mg/kg in Sample #3. Chloride concentrations ranged from 2,440 mg/kg in Sample #1 to 11,100 mg/kg in Sample #6. Soil sample locations are depicted in Figure 2.

Based on laboratory analytical results and field-screens, from March 5 through March 7, 2012, Excavation #1 was backfilled with non-impacted material, water-packed, and contoured to fit the surrounding grade.

On March 27, 2012, immediately following discovery of Release #3, Basin Environmental was dispatched to the location to begin excavation of the impacted soil. From March 27 through March 30, 2012, approximately two hundred and ten cubic yards (210 yd³) of visibly stained, heavily impacted soil was excavated and transported to Lea Land, Inc., for disposal. The boundaries of the excavation are depicted in Figure 2 as "Excavation 2".

On March 29, 2012, four (4) soil samples (Sample #1 through Sample #4) were collected from the floor of the excavation and submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated TPH concentrations ranged from 74.6 mg/kg in Sample #2 to 621 mg/kg in Sample #1.

From March 29 through March 30, 2012, Excavation #2 was backfilled with non-impacted material, water-packed, and contoured to fit the surrounding grade.

Immediately following remediation activities, a new, steel-walled containment area was constructed around Bass 3 Federal Battery #1 to mitigate future releases. A felt liner was installed in the floor of the new containment area, and the floor and perimeter walls were coated with an impermeable, spray-on polyurethane liner. The steel perimeter walls extend approximately two feet (2') above ground surface.

On April 16, 2012, excavation of Release #4 commenced. A chloride field test kit was used to field-screen the horizontal extent of impacted soil and to guide the excavation. From April 16 through April 17, 2012, approximately one hundred and eight cubic yards (108 yd³) of impacted soil was excavated and transported to Lea Land, Inc., for disposal. The boundaries of the excavation are depicted in Figure 2 as "Excavation 3".

On April 17, 2012, five (5) soil samples (Sample #1 through Sample #5) were collected from the floor of the excavation and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 288 mg/kg in Sample #5 to 656 mg/kg in Sample #1. Soil sample locations are depicted in Figure 2.

Based on field-screens, from April 17 through April 18, 2012, Excavation #3 was backfilled with non-impacted material, water-packed, and contoured to fit the surrounding grade.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Cardinal Laboratories, Inc., in Hobbs, New Mexico, for 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

The Bass 3 Federal Battery #1 releases were excavated to the extent practicable. During the course of remediation activities, a steel-walled containment area was constructed around the tank battery, and the floor and perimeter walls were coated with a spray-on polyurethane liner. This engineered control will help mitigate future releases and effectively inhibit vertical migration of contaminants to groundwater. In-situ soil exhibiting chloride and/or TPH contamination above the regulatory remediation action levels established for the site will be remediated upon decommission and/or abandonment of the currently active tank battery.

Basin Environmental recommends BOPCO provide the NMOCD Artesia District Office and BLM a copy of this *Remediation Summary & Risk-Based Site Closure Request* and request the NMOCD grant site closure to the Bass 3 Federal Battery #1 release site.

6.0 LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Risk-Based Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin Environmental has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Basin Environmental has not conducted an independent examination of the facts contained in referenced materials and statements. Basin Environmental has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Basin Environmental has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin Environmental 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, NM 88220

Copy 3: Tony Savoie

BOPCO, LP

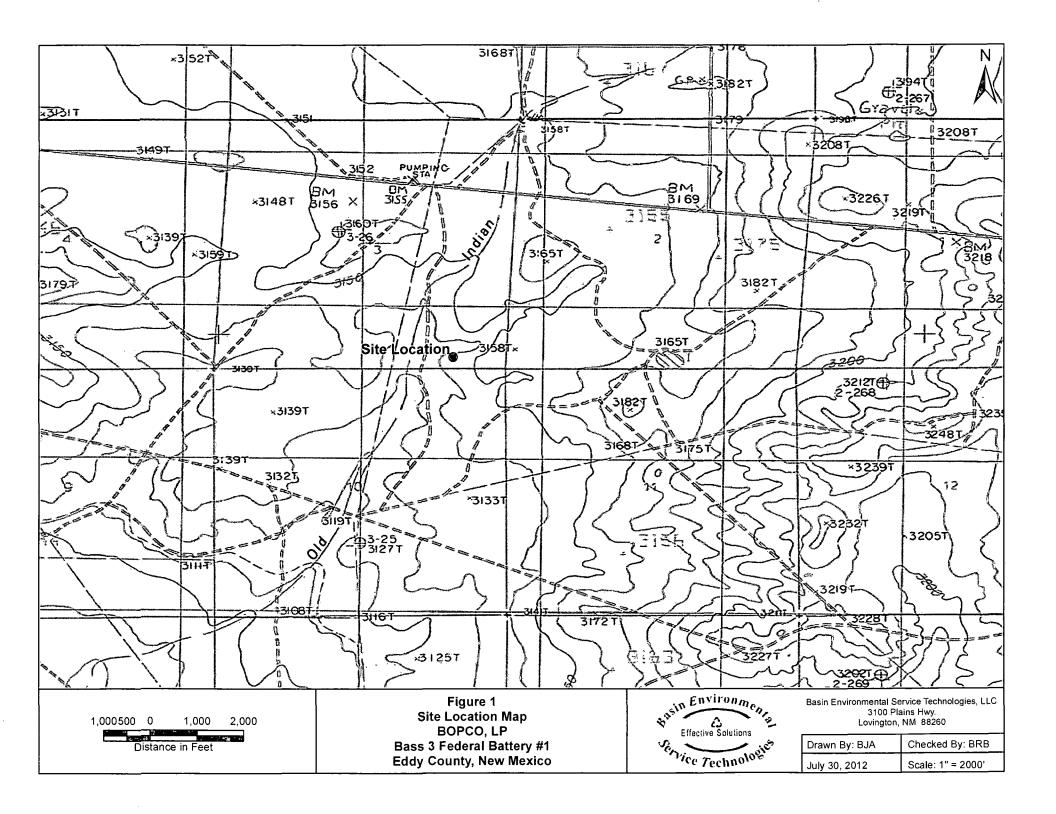
522 W. Mermod, Suite 704 Carlsbad, NM 88220

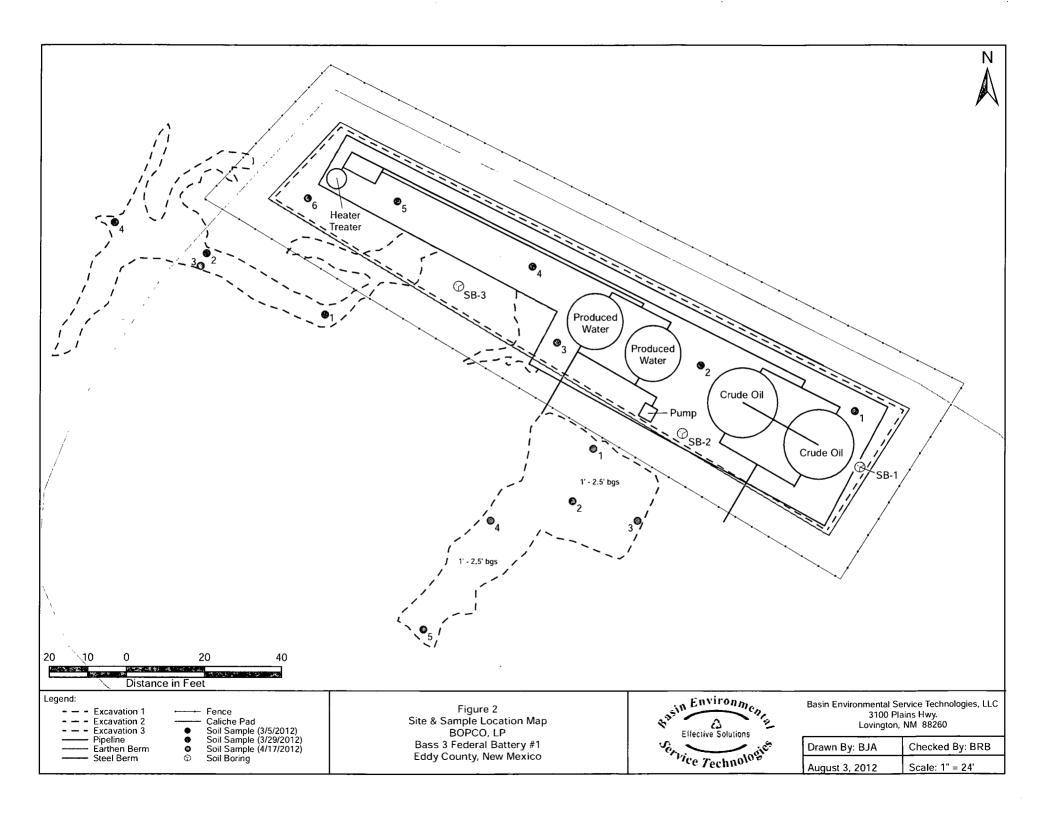
Copy 4: Basin Environmental Service Technologies, LLC

P.O. Box 301

Lovington, NM 88260

Figures





Tables

TABLE 1 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP BASS 3 FEDERAL BATTERY #1 EDDY COUNTY, NEW MEXICO

					METHOD: EF	PA SW 846-80	21B, 5030		ME	THOD: 801	5M	TOTAL	E 300
SAMPLE	SAMPLE	SAMPLE	SOIL			ETHÝL-	TOTAL	TOTAL	GRO	DRO	ORO	TPH	
LOCATION	DEPTH	DATE	STATUS	BENZENE	TOLUENE	BENZENE	XYLENES	BTEX	C ₆ -C ₁₂	C ₁₂ -C ₂₈	C ₂₈ -C ₃₅	C ₆ -C ₃₅	CHLORIDE
	(BGS)			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
SB-1 @ 5'	5'	1/16/2012	In-Situ	-	-	-	-	-	394	2,300	314	3,008	-
SB-1 @ 10'	10'	1/16/2012	In-Situ	-	-	-	-	-	<10.0	79.5	33.8	113	-
SB-1 @ 20'	20'	1/16/2012	In-Situ	-	-	-	-	-	207	1,660	275	2,142	1,540
SB-1 @ 30'	30'	1/16/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	105	24.1	129	-
SB-1 @ 40'	40'	1/16/2012	In-Situ		-	-	-	-	55.5	721	109	886	400
SB-1 @ 55'	55'	1/16/2012	In-Situ	-	-	-	-	-	-	-	-	-	32.0
SB-1 @ 60'	60'	1/16/2012	In-Situ	<0.050	<0.050	< 0.050	<0.150	<0.150	<10.0	16.2	19.2	35.4	16.0
								1					
SB-2 @ 5'	5'	1/17/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	-
SB-2 @ 10'	10'	1/17/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	-
SB-2 @ 20'	20'	1/17/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	718
SB-2 @ 50'	50'	1/17/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	2,360
SB-2 @ 75'	75'	1/17/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	1,390
SB-2 @ 95'	95'	1/17/2012	In-Situ	-	-	-	-	-	-	-	-	-	48.0
SB-2 @ 100'	100'	1/17/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	11.9	<10.0	11.9	112
SB-3 @ 5'	5'	1/17/2012	In-Situ	-		-	-	-	<10.0	40.9	<10.0	40.9	-
SB-3 @ 10'	10'	1/17/2012	In-Situ	-	-	-		-	<10.0	<10.0	<10.0	<10.0	1,840
SB-3 @ 25'	25'	1/17/2012	In-Situ	< 0.050	<0.050	< 0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	192
SB-3 @ 40'	40'	1/17/2012	In-Situ	-	-	-	-	-	-	-	-	-	224
SB-3 @ 45'	45'	1/17/2012	In-Situ	< 0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	64.0
Sample #1	0.5'	3/5/2012	In-Situ	-	-	-	-	-	1,100	7,180	1,140	9,420	2,440
Sample #2	0.5'	3/5/2012	In-Situ	-	-	-	-	-	3,920	11,000	1,820	16,740	2,680
Sample #3	0.5'	3/5/2012	In-Situ	-	-	-	-	-	5,360	18,300	2,470	26,130	4,240
Sample #4	0.5'	3/5/2012	In-Situ	-	-	-	-	-	<10.0	116	41.5	158	4,160
Sample #5	0.5'	3/5/2012	In-Situ	-	-	-	-	-	2,530	17,700	1,910	22,140	5,440
Sample #6	0.5'	3/5/2012	In-Situ	-	-	- "	-	-	644	12,500	1,900	15,044	11,100
											,		
Sample #1	1.5'	3/29/2012	In-Situ	-	-		-	-	106	470	44.8	621	-
Sample #2	1.5'	3/29/2012	In-Situ	-		-		-	<10.0	58.9	15.7	74.6	-
Sample #3	1.5'	3/29/2012	In-Situ	-	1	ı	ı	-	<10.0	201	64.3	265	-
Sample #4	1.5'	3/29/2012	In-Situ	<u>-</u>	-	1		-	61.8	460	37.5	559	-
Sample #1	2.5'	4/17/2012	In-Situ	-	-	-		-	-				656
Sample #2	2.5'	4/17/2012	In-Situ	-	-	-	-		-	-	-	-	464
Sample #3	2.5'	4/17/2012	In-Situ	-	-	-	-	-	<u>-</u>	-	-	-	576
Sample #4	2.5'	4/17/2012	In-Situ		-	-	•		-	-	-	-	480
Sample #5	2.5'	4/17/2012	In-Situ	-	-	-	-	-	-		-	-	288
NMOCD Criteria				10				50				5,000	1,000

- = Not analyzed.

Appendices

Appendix A Release Notification & Corrective Action (Form C-141)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

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

Revised October 10, 2003

Form C-141

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

30-015	- 253	30	ease Notifica	ation	and Co	rrective A	ction	1					
nMLB/2	033375	597				OPERATOR Initial Report Final Report							
Name of Co	mpany BC	OPĆO, L.P.	BEF			Contact Tony Savoie							
				ad, N.M. 88220		Telephone No. 432-556-8730 Facility Type: E&P							
Facility Nar	ne: Bass 3	rederal Ba	itery #1			гасину тур	e: E&P						
Surface Ow	ner Federa	1		Mineral O	wner F	ederal			Lease N	lo. LC-060	853A		
				LOCA	TION	OF REI	LEASE			_			
Unit Letter P	Section 3	Township 22S	Range 28E	Feet from the 230	North/South	South Line	Feet from the 1090	East/West Line East		County Eddy			
			I	_atitude_N 32.4	15370_	Longitu	de W 104.0699	0_					
				NAT	URE	OF REL	EASE						
Type of Rele	ase: Crude	oil	_			Volume of Crude oil	Release: 20 Bbl	s of	Volume I	Recovered: 5	bbls		
Source of Re	lease: Oil p	roduction tanl	c#113678	<u> </u>			lour of Occurrence	e	Date and	Hour of Disc	covery		
137 I - 1*	a Mada (2: -0					unknown		1/3/12 2:	00 p.m.			
Was Immedi	ate Notice (Yes [] No ☐ Not Re	quired	If YES, To NMOC en	whom? ergency #104						
By Whom?							lour 1/4/12 2:37 [
Was a Water	course Read		Yes 🛭] No		If YES, Volume Impacting the Watercourse. RECEIVED							
If a Watercon	irse was Im	pacted, Descr	ibe Fully.	*		1					172		
										JAN	1 ()	012	
										NMOC	O AR	TESIA	
Describe Car	ise of Probl	em and Reme	dial Actic	n Taken.* A hole	was disc	covered in th	hattam of the sa	uth oil	production				
service the d	ay of discov	ery. The tank	was clear	ned, repaired and c	oated or	n 1/6/12.	oottom of the se	ouii on	production	tank. The tan	ik was to	iken out or	
Describe Are	a Affected	and Cleanup	Action Ta	ken.*The crude oil	l was co	ntained insid	e the earthen cont	ainmer	nt A vacuur	n truck recov	ered and	rovimately	
5 bbls of cru	de oil, the re	emainder of th	e spill so	aked into the grour	nd. The	total area aff	ected by this relea	ise mea	sured appro	ximately 243	30 sq. ft.	During the	
				de the containmen nd define the horiz					releases of	crude oil and	d produc	ed water.	
The Site rem	ediation for	the produced	water and	d crude oil spill wi	II follov	v the NMOC	D guidelines for I	eaks an					
I hereby cert	ify that the	information g	iven abov	e is true and compl nd/or file certain re	lete to the	he best of my	knowledge and u	inderst	and that pur	suant to NM	OCD rul	es and	
public health	or the envi	ronment. The	acceptan	ce of a C-141 repo	rt by the	e NMOCD n	arked as "Final R	leport"	does not rel	ieve the oper	ator of I	iability	
should their	operations h	nave failed to	adequatel	y investigate and reptance of a C-141	emediat	e contaminat	ion that pose a thi	eat to	ground wate	r, surface wa	ter, hum	an health	
federal, state	or local la	ws and/or reg	ulations.	ptance of a C-141	report u	oes not renev	e the operator of	respon	Sibility for C	omphance w	illi aliy t	other	
							OIL CON	SER	VATION	DIVISIO	<u>N</u>		
Signature:	10	ne S	auu		ļ	Approved by	District Supervio	a l'i	l Kar				
Printed Nam	e: Tony Sav	voie				Approved by	CSigned upy V	, or 17/5	(DENT	MCDR	-		
Title: Waste	Mgmt.& R	emediation Sp	ecialist			Approval Da	Expiration	Date:					
E-mail Adde	ecc TASou	oie@BassPet.	com				_						
c-man Auur	cos. I Abav	oicaybassret.	COIN			Conditions of Approval: Remediation per OCD Rules &				Attached			
Date: 1/9/12				Phone:432-556-873	30	Remed	iation per UCL	EUI Δ1	ION				
Attach Addi	tional She	ets If Necess	sary		(Guidelines.	SUBMIT REM	HAN:		JRF	1- QC	16	
					1	PROPUSAL	NOT LATER T		_	J-N	/	((

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

30-015	-2533	0	Rele	ease Notific	ation	and Co	rrective A	ction						
nMLB/20	039278	42			(OPERATOR Initial Report Final Report								
Name of Co				801 BEPCO		Contact Tony Savoie								
				ad, N.M. 88220		Telephone No. 432-556-8730								
Facility Nar	ne: Bass 3	Federal Bat	tery #1		7	Facility Type: E&P								
Surface Ow	ner Federa	1		Mineral O	wner Fe	r Federal Lease No. LC-060853A								
				LOCA		OF REI	LEASE							
Unit Letter P	Section 3	Township 22S	Range 28E	Feet from the 230	North/S South	South Line	Feet from the 1090	East/V East	/West Line Count Eddy					
	Latitude_N 32.415370 Longitude W 104.06990_ NATURE OF RELEASE													
T. CD.1	Coulo	11 and 1		NAT	URE						20111	<u> </u>		
		oil and produc					Release: 65 bbls ovater and less than de oil.		,	Recovered: 6 I 2 bbls crud		r produced		
Source of Re	lease: 2" lin	e from the he	ater to the	production tanks			four of Occurrence	е	Date and 1/11/12 9	Hour of Dis	covery			
Was Immedi	ate Notice C		Yes [No Not Re	equired	If YES, To			1	.00 и.м.				
By Whom?	Tony Savoie					Date and I	four 1/11/12 11:13	3 a.m.						
Was a Water	course Read			7		If YES, Volume Impacting the Watercourse.								
		<u>ل</u> ـا	Yes ∑	7 NO						REC	7511	/ED		
		pacted, Descr								JAN NMOC	17 2 D AR	2012 TESIA		
temporary re	pair clamp v	was placed on	the affect	on Taken.* A 2" litted piece of pipe.										
tank battery The Site rem	location. A sediation for	vacuum truck the produced	picked up water and	ken.*The released all of the free sta d crude oil spill wi	nding flu ill follow	id. Vertical the NMOC	and horizontal ext D guidelines for le	ent will	l be determ d spills.	ined on 1/13	3/11.			
regulations a public health should their or the enviro	all operators nor the environerations homent. In a	are required to ronment. The ave failed to a	o report a acceptan adequately OCD accep	e is true and comp nd/or file certain r ce of a C-141 repo y investigate and r ptance of a C-141.	elease no ort by the emediate	otifications a NMOCD m contaminat	nd perform correct tarked as "Final Re ion that pose a thre	tive act eport" c eat to g	tions for rel does not rel round wate	eases which ieve the ope r. surface wa	may end rator of ater, hun	danger liability nan health		
		>				V 1 11 - 11 - 11 - 1	OIL CONS	SERV	ATION	DIVISIO	<u>ON</u>			
Signature: Printed Nam	e: Tony Sav	oie D			,	Approved by	Dis gigh Suppsyis	Al,	4 Dru	MILES_				
Title: Waste	Mgmt.& Re	emediation Sp	ecialist			Approval Da	if:EB 08 16	712	Expiration	Date:				
Date: 1/13/1	2	oic@BassPet.		Phone:432-556-8		Conditions of Approval: Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION					Attached			
* Attach Add	itional She	ets If Necess	ary		G P	POPOSAL	NOT LATER TH	IAN:		2RF	9	97		

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Bid Press Reed, Artes, NM 87410 1000 Río Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. RECEIVED

APR 11 2012

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate

NMOCD ARTESIA with Rule 116 on back
side of form

Santa Fe, NM 87505

			Rele	ease Notifica	ation	and Co	rrective A	ction					
nMLB/2/	15387	12				OPERA	ΓOR			al Report	Final Repo		
Name of Co				260737		Contact Tony Savoie							
			4 Carlsb	ad, N.M. 88220		Telephone No. 432-556-8730							
Facility Nan						Facility Typ							
Surface Ow	nor Fadera	1		Mineral O	umar E	adaral			Logga	lo. LC-060	952 A		
Surface Ow	ner redera				wherr	ederai	······						
				LOCA	TION	OF RE	LEASE	ت ت	30-01	5-25	5330		
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	Vest Line	County			
Р	3	22S	28E	230	South		1090	East		Eddy			
	<u> </u>		L	atitude N 32.4	5370	Longitu	de W 104.0699	0		<u> </u>			
				NAT	URE	OF REL	EASE	_					
Type of Rele	ase: Crude	oil				1	Release: 15 bbls	crude	Volume F	Recovered: 5	bbls crude oil		
Source of Re	langer Brade	ection Tonk			_	Oil Data and I	Iour of Occurrence		Data and	Haus of Dia			
Source of Re	icasc. i iout	iction Lank				1	ie unknown		3/27/12 8	Hour of Disc :30 a.m.	covery		
Was Immedia	ate Notice (If YES, To			3,2,,,,				
			Yes [No 🛛 Not Re	quired								
By Whom?						Date and I							
Was a Water	course Read		5	2		If YES, V	olume Impacting	he Wate	ercourse.				
		ليا	Yes 🛭	J No									
If a Watercou	ırse was Im	pacted, Descr	be Fully.	*		•							
from BOPCo through the n Describe Are	O, the water right ran the a Affected	transfer pum tank over. and Cleanup A	p would h	n Taken.* Two lo have normally pum ken.*The area arou he impacted soil w	nd the	water to a S'	WD failed to pum	p proper	ly and the	daily oil/wat	out prior approval er production illed with clean soi osure report will be		
submitted wi	th the data t	from the previ	ous remed	diation.									
regulations a public health should their or or the enviro	II operators or the environment operations homent. In a	are required to ronment. The save failed to	o report an acceptant adequately OCD accept	e is true and compl nd/or file certain re ce of a C-141 repo y investigate and re ptance of a C-141 i	lease n rt by the mediat	otifications a e NMOCD m e contaminat	nd perform correct parked as "Final R ion that pose a thing the operator of	ctive acti eport" d reat to gr responsi	ions for rel loes not rel round wate ibility for c	eases which ieve the oper r, surface was compliance w	may endanger rator of liability ater, human health vith any other		
Signature:	e: Tony Sav	Saug		****		Approved by	OIL CON	0.1	ATION Beach	DIVISIC	<u>-</u> .		
		emediation Sp	ecialist			Approval Da	APR 2 4 20	12	Expiration	Date:			
E-mail Addr	ess: TASav	oie@BassPet.	com	 		Conditions o	f Approval:	Rules	&	Attached			
Date: 4/9/12				hone:432-556-873	0	Remedi	ation per OCD	FDIATI	ON				
Attach Addi	tional She	ets If Necess	ary		F		SUBMIT REMINOT LATER TH	HΔN:		aR	P-1103		

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV

State of New Mexico **Energy Minerals and Natural Resources**

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

RECEIVED Form C-141 evised October 10, 2003 APR 11 2012 NMOCD ARTESIA with Rule 112 Submit 2 Copies to appropriate side of form

1220 S. St. Francis Dr., Santa Fe, NM 87505 **Release Notification and Corrective Action** *260737* OPERATOR Initial Report Final Report AMLB (2115 35730 Name of Company BOPCO, L.P. Contact Tony Savoie Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 Telephone No. 432-556-8730 Facility Name: Bass 3 Federal Battery #1 Facility Type: E&P Mineral Owner Federal Surface Owner Federal Lease No. LC-060853A 30-015-25330 LOCATION OF RELEASE East/West Line Unit Letter North/South Line Section Township Range Feet from the Feet from the County **22S** 28E 230 P 3 1090 East Eddy Latitude N 32.415370 Longitude W 104.06990 NATURE OF RELEASE Volume of Release: 285 bbls Type of Release: Produced water Volume Recovered: 280 bbls produced produced water Source of Release: Air eliminator on the water transfer pump. Date and Hour of Occurrence Date and Hour of Discovery 4/3/12 9:00 a.m. 4/3/12 time unknows Was Immediate Notice Given? If YES, To Whom? Notitication REQUIRED ON ☐ Yes ☐ No Not Required Release Volume exceeding 25 bb/s By Whom? Date and Hour SEE 19.15.29 NMAC/CORGOS Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* A 3/4" air eliminator on the water transfer pump broke in half due to a manufacture defect. The part was replaced. Describe Area Affected and Cleanup Action Taken.*The tank battery location had just recently been retro-fitted with a 0-perm polyurea containment, most of the released water stayed inside the containment area and was recovered with a vacuum truck and pumped back into the tank. A small amount of water was released outside of the containment area on the caliche pad area around the tank battery. The impacted caliche will be removed and the area will be remediated in accordance to the NMOCD guidelines for spills. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Printed Name: Tony Savoie Approval Date APR 2 4 2012 Title: Waste Mgmt.& Remediation Specialist **Expiration Date:**

Conditions of Approval:

Phone:432-556-8730

Remediation per OCD Rules &

12012

PROPOSAL NOT LATER THAN:

* Attach Additional Sheets If Necessary

Date: 4/9/12

E-mail Address: TASavoie@BassPet.com

Guidelines. SUBMIT REMEDIATION 2RP-1102

Attached

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy Minerals and Natural Resources ECEIVED

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

JAN 23 2014

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OP	ERATOR	Initial Report X Final Report										
Name of Company BOPCO, LP 260737	Contact Tony Savoie											
Address 522 W. Mermod, Suite 704, Carlsbad, NM 88220	Telephone No. (432)556-873	30										
Facility Name Bass 3 Federal Battery #1 260737	Facility Type E&P											
		14 DI 30-015-25330										
Surface Owner Federal Mineral Owner	r Federal	Lease No. LC-060853A-										
	ON OF RELEASE											
Unit Letter Section Township Range Feet from the Non P 3 22S 28E 230	rth/South Line Feet from the South 1090	East/West Line County East Eddy										
Latitude 32.415370° No	rth Longitude 104	4.06990° West										
NATURE OF RELEASE												
Type of Release Crude oil	Volume of Release 20 bbls o	f Volume Recovered 5 bbls										
Source of Release Oil production tank #113678	Date and Hour of Occurrence 1/3/12 Time unknown	Date and Hour of Discovery 1/3/12 2:00 p.m.										
Was Immediate Notice Given?	If YES, To Whom?	173/12 2.00 p.m.										
X Yes No Not Required	NMOCD Emergency #104											
By Whom? Tony Savoie	Date and Hour 1/4/12 2:37 p.											
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.											
If a Watercourse was Impacted, Describe Fully.*												
if a watercourse was impacted, Describe runy.												
Describe Cause of Problem and Remedial Action Taken:* A hole was		uth oil production tank. The tank was taken out of										
service the day of discovery. The tank was cleaned, repaired, and coate Describe Area Affected and Cleanup Action Taken.* The crude		all and a second of the second										
approximately 5 bbls of crude oil. The release affected an area measur												
areas inside the containment that were obviously impacted from previo												
releases were remediated as per NMOCD recommended guidelines.												
Request for remediation details.												
I hereby certify that the information given above is true and complete												
regulations all operators are required to report and/or file certain rele												
public health or the environment. The acceptance of a C-141 report												
should their operations have failed to adequately investigate and reme or the environment. In addition, NMOCD acceptance of a C-141 re												
federal, state, or local laws and/or regulations.	operator	or responsionity for compliance with any other										
, , ,	OIL CONS	ERVATION DIVISION										
0 6	<u> </u>											
Signature: 1 by Druce	4											
Printed Name: Tony Savoie	Approved by District Supervisor	r:										
Title: Waste Mgmt. & Remediation Specialist	Approval Date:	Expiration Date:										
E-mail Address: TASavoie@BassPet.com	Conditions of Approval:											
	Conditions of Approval.											
Date: 1/22/14 Phone: 432-556-8730	280 001											

2RP-996

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised October 10, 2003

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

FECTIVE Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back JAN 23 2014 side of form

Release Notification and Corrective Action ARTESIA

					OPE	RATOR	-		Initial F	Report	X Final Report		
Name of Co	mpany	BOPCO, LF) .	260737		Contact To	ony Savoie		 -		-		
Address 5	22 W. Me	rmod, Suite		sbad, NM 8822	20	Telephone N							
		Federal Bat		· · · · · · · · · · · · · · · · · · ·		Facility Typ	-25330						
Surface Ow	ner Feder	al		Mineral C	wner	Federal			Lease 1	lo. LC-0	608 53∧		
				LOCA	TIC	N OF RE	LEASE						
Unit Letter	Section	Township	Range	Feet from the		h/South Line	Feet from the	East/V	West Line	County			
Р	3	22S	28E	230		South	1090		East	Eddy			
			<u>Lati</u>	tude 32.415370	° Nor	th	Longitude 10)4.0699	00° West				
				NAT	URI	E OF REL	EASE						
Type of Rele	ase Crude	oil and produc	ed water	·		Volume of	Release 65 bbls	of	Volume I	Recovered	60 bbls of produced		
J. T.		•				produced v	vater and less than	n 5		l 2 bbls cru			
						bbls of cru	de oil						
Source of Re	lease 2" li	ne from the he	eater treate	r to the productio	n tank		lour of Occurrenc	e		Hour of D	scovery		
		2: 6					ime unknown		1/11/12 9	:00 a.m.			
Was Immedi	ate Notice (es No	Not Required		If YES, To							
By Whom?	Tony Savo					NMOCD Emergency #104 Date and Hour 1/11/12 11:13 a.m.							
Was a Water						If YES, Volume Impacting the Watercourse.							
was a water	course recu		Yes >	K No		11 125, 11	mpacing t	ine man	or course.				
If a Wataway	maa waa Im	pacted, Descr	iha Eully 3	*									
II a watercoo	iise was iii	pacted, Descr	ibe runy.										
5 " 0	C D . I	1 1 0	1: 1 4	t on the state of	NH 11	• • •			. 1 . 1 . 1	1.1 - 4-			
				tion Taken:* A 2 ed piece of pipe.	z" line	going from t	ne neater treater	to the	tanks leake	ed due to	external corrosion. A		
					d fluid	affected an an	proximately 2 006	0 ft ² are:	a inside the	earthen co	ontainment around the		
tank battery	location. A	vacuum truck	picked u	n all of the free-st	tandin	fluid. The sp	ill covered approx	ximately	the same	area as and	other spill reported on		
1/3/12. Folk	wing initia	al response ac	ctivities, t	he releases were	reme	diated as per	NMOCD recomm	mended	guidelines	. Please re	eference the attached		
Remediation	Summary &	& Risk-Based S	Site Closui	re Request for ren	nediati	on details.							
											o NMOCD rules and		
											which may endanger		
public health	or the env	ironment. Th	e acceptai	nce of a C-141 re	port b	y the NMOCE	marked as "Fina	al Repor	t" does no	t relieve th	e operator of liability		
											water, human health liance with any other		
		ws and/or regu		eptance of a C-1	41 1Cp	off does not i	eneve the operate	or or res	sponsionity	ioi comp	nance with any other		
	,						OIL CON	SERV	ATION	DIVISI	ON		
_		<u>م</u> و	,				012 0011	<u>OBIC (</u>	1111011	<u> </u>	<u> </u>		
Signature:	1 04	· · · · · · · · · · · · · · · · · · ·	_										
B		ን _.				Approved by	District Supervis	or:					
Printed Name	e: Tony Sa	voie						- 1					
Title: Waste	Mgmt. & F	Remediation S	pecialist			Approval Date: Expiration Date:							
E-mail Addre	ess: TASav	oie@BassPet	.com			Conditions o	f Approval:						
Date: 1/2	22/14	Pl	none: 4	<i>32-55</i> 6-87	730								

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy Minerals and Natural Resources.

Oil Conservation Division ECEIVED 1220 South St. Francis Dr. JAN **2 3** 2014 Santa Fe, NM 87505

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Coffeetive ActionESIA

					OPEI	RATOR			Initial F	Report	X Final Report		
Name of Co	mpany	BOPCO, LI)	26073		Contact To							
				sbad, NM 882		Telephone No. (432)556-8730							
Facility Nan	ne Bass 3	Federal Bat	tery #1			Facility Type E&P							
Surface Owi	ner Feder	al		Mineral	Owner	Federal			Lease N	No. LC-0	060853A		
Surface Swi	iler react	u.		Minicial	O WHICH	i caciai			Lease !		30-015-25330		
				T.00	TIOI	VAEDE					···		
T		T 1'	В			OF RE		l E . 0	17 . 1 .				
Unit Letter P	Section 3	Township 22S	Range 28E	Feet from the 230		South Line uth	Feet from the 1090		Vest Line East	County Eddy			
		225							Lady				
			Latit	tude 32.41537	'0° North		Longitude 10)4.0699	00° West				
NATURE OF RELEASE													
Type of Relea	ase Produc	ed water					Release 285 bbl	s of		Recovered	280 bbls of produced		
C CD I	D 1					produced v	vater Iour of Occurrence		water	Hour of D	•		
Source of Rel	lease Prod	uction rank					iour of Occurrenc ne unknown	æ	4/3/12 9:0		iscovery		
Was Immedia	ate Notice (Given?			• · · ·	If YES, To							
		Yes	No 3	K Not Required									
By Whom?						Date and Hour							
Was a Watero	course Read		1	7. 11.		If YES, Volume Impacting the Watercourse.							
		_	-	K No									
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.*	·									
Describe Cau	se of Prob	lem and Reme	edial Actio	on Taken:* A 3	/4" air eli	minator on th	ne water transfer	pump bi	roke in hal	f due to a	manufacturing defect.		
The part was	replaced.												
											polyurea containment.		
											nk. A small amount of vities, the release was		
							y & Risk-Based S						
I hereby certi	ify that the	information a	given abov	e is true and c	omplete to	the best of	my knowledge a	nd unde	rstand that	pursuant	to NMOCD rules and		
											which may endanger		
											e operator of liability water, human health		
											liance with any other		
		ws and/or regu		•							•		
		_					OIL CON	<u>SERV</u>	<u>'ATION</u>	DIVISI	ON		
Signature:	1 04	. Diwi	ა _20_										
		(Annroved by	District Supervis	or			i		
Printed Name	: Tony Sa	voie				. ipproved by	District Supervis	···					
Title: Waste	Mgmt. & F	Remediation S	pecialist			Approval Da	te:		Expiration	Date:			
E-mail Addre	ess: TASav	oie@BassPet.	com			Conditions o	f Approval:						
Date: (/2.	2/14	Ph	one: 43	2-556-8	130								

28P-1102

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural ResourcesECEIVED

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

JAN 23 2014

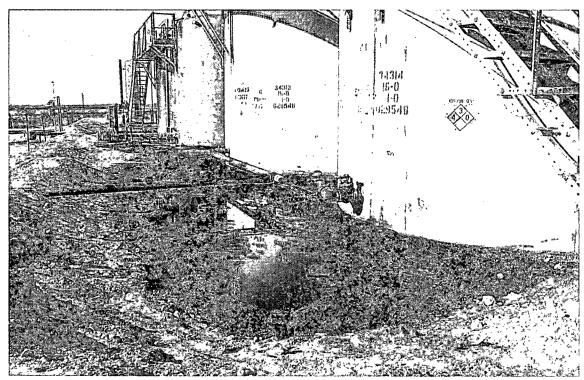
Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

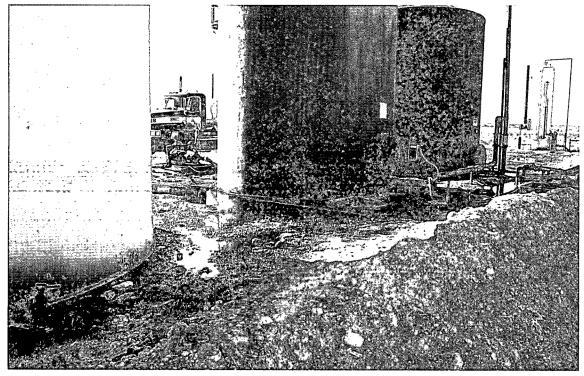
Release Notification and Corrective Action

				(OPER	RATOR			Initial F	Report	X Final Report		
Name of Co	mpany	BOPCO, LF) **	260737	(Contact To	ny Savoie						
Address 5	22 W. Me	rmod, Suite	704, Carl	sbad, NM 8822	0 7	Telephone No. (432)556-8730							
Facility Nan	ne Bass 3	Federal Batt	ery #1		I	Facility Type E&P							
Surface Own	non Endon	a1	•	Mineral O	II/D OF	Federal			Lagga	lo. LC-0	60853 A		
Surface Ow	ner reder	aı		Willieral O	WIIEI	redetai			Lease		30-015-25330		
<u></u>	.					-			1	7,111,	00 013 23330		
				LOCA	TION	OF RE	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	1	est Line	County			
Р	3	22S	28E	230	Sou	uth	1090	E	ast	Eddy			
			Latit	tude 32.415370°	North		Longitude 10	04.06990)° West				
NATURE OF RELEASE													
Type of Relea	ase Crude	oil					Release 15 bbls	of	Volume F	Recovered	5 bbls of crude oil		
C CD	D 1	. T. 1				crude oil	1 60		D.4 1	11CD			
Source of Re	iease Prod	uction rank					lour of Occurrenc me unknown	e	3/27/12 8	Hour of D:	scovery		
Was Immedia	te Notice (Given?				If YES, To			3/2//12 0	.50 4.111.			
		Yes	No 2	K Not Required									
By Whom?		,				Date and F	lour						
Was a Water	course Read	ched?				If YES, Volume Impacting the Watercourse.							
			Yes >	K No									
If a Watercon	rce was Im	pacted, Descri	he Fully *										
li a watereod	ii se was iii	pacted, Descri	oc runy.										
											vithout prior approval		
			p that wo	uld have normally	pumpe	d the water to	o a SWD failed to	pump p	roperly, ar	nd the daily	y oil/water production		
through the n			Action Tal	ken * The around	the tank	rs and proces	s area had recent	ly been e	excavated	and backfi	lled with clean in soil		
											filled with clean soil.		
Please referer	nce the atta	ched Remedia	tion Summ	ary & Risk-Basea	Site Cl	osure Reques	t for remediation	details.					
											o NMOCD rules and		
											which may endanger		
											e operator of liability water, human health		
											liance with any other		
		ws and/or regu		1	•		1			•			
							OIL CON	SERV.	ATION	DIVISI	<u>on</u>		
S:	1 0	42 2011	0										
Signature:		The same of the sa	us.				D' - ' - G						
Printed Name	: Tony Sa	voie			1	Approved by	District Supervis	sor:					
Title: Waste	Mgmt. & F	Remediation S	pecialist		1	Approval Da	e:	E	Expiration	Date:			
F-mail Addre	SS: TASau	oie@BassPet.	com			Conditions of	f Annroval:						
						Conditions 0	Asprovai.						
Date: \/Z	2/14	Ph	one: <i>43</i>	z-556 <i>-</i> 873	0								

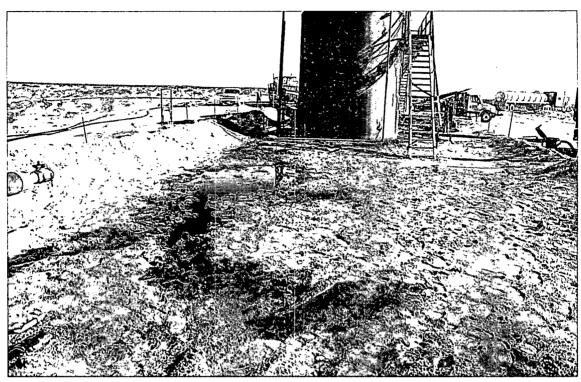
Appendix B
Photographs



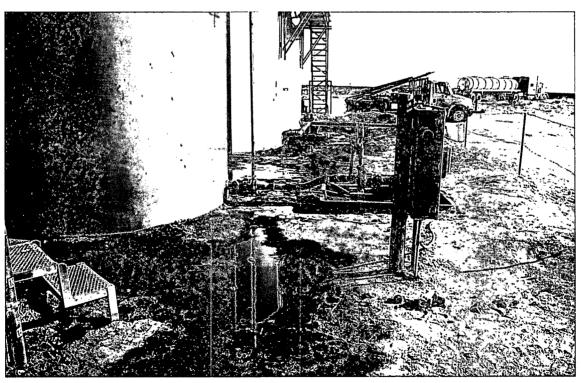
Bass 3 Federal Battery #1 - January 4, 2012, Release



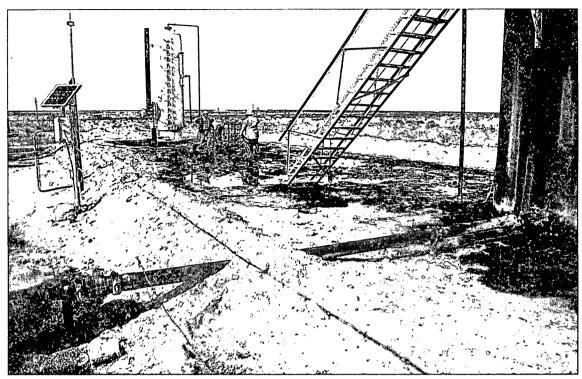
Bass 3 Federal Battery #1 - January 4, 2012, Release



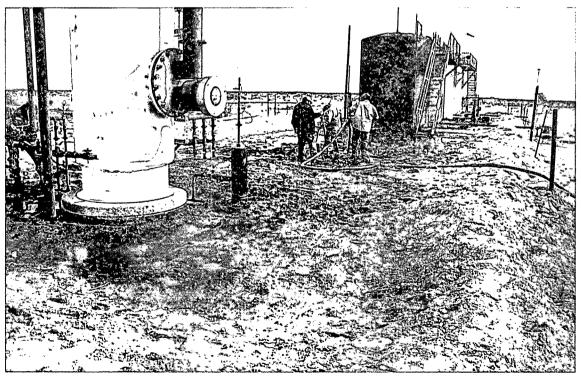
Bass 3 Federal Battery #1 - January 4, 2012, Release



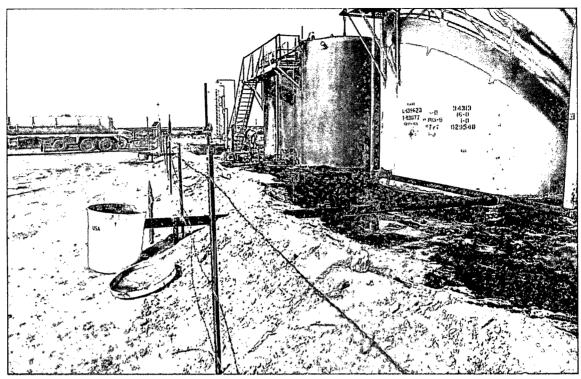
Bass 3 Federal Battery #1 - January 4, 2012, Release



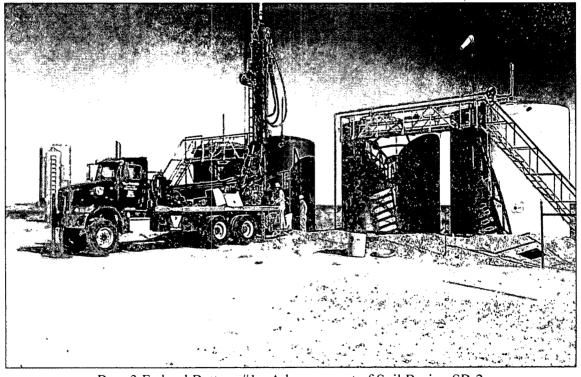
Bass 3 Federal Battery #1 - January 11, 2012, Release



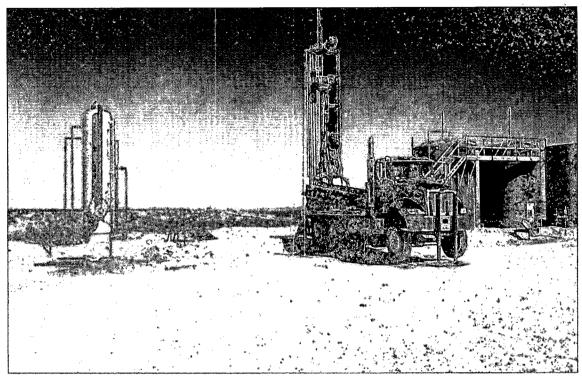
Bass 3 Federal Battery #1 - January 11, 2012, Release



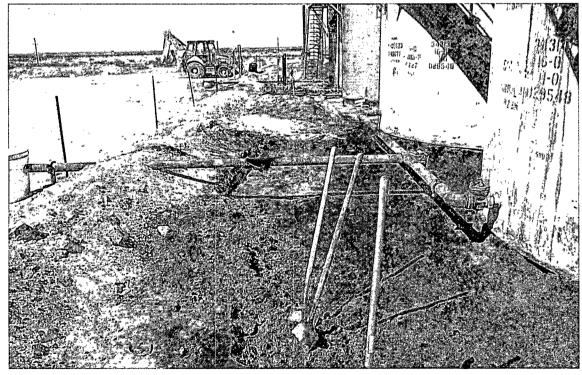
Bass 3 Federal Battery #1 - January 11, 2012, Release



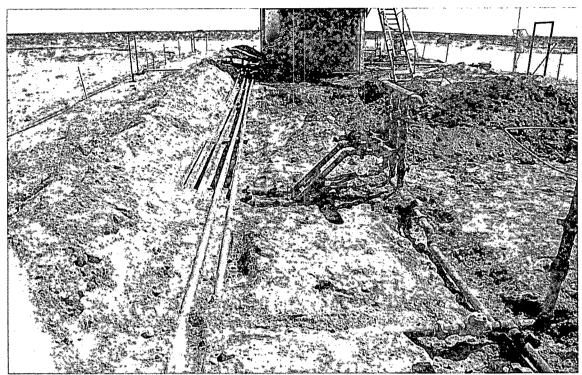
Bass 3 Federal Battery #1 - Advancement of Soil Boring SB-2



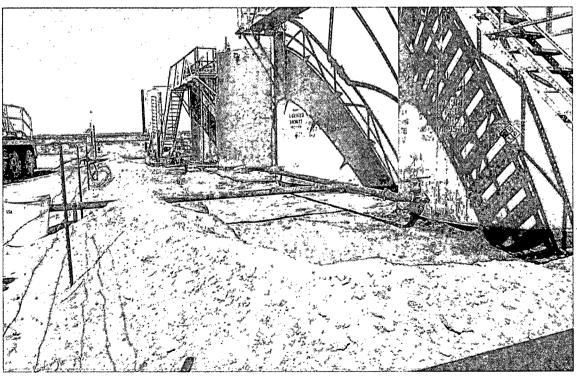
Bass 3 Federal Battery #1 - Advancement of Soil Boring SB-3



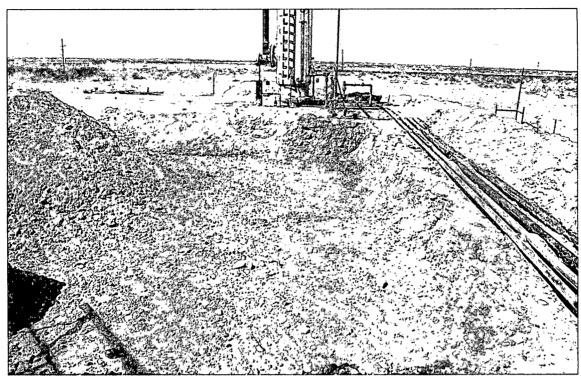
Bass 3 Federal Battery #1 - Excavation #1



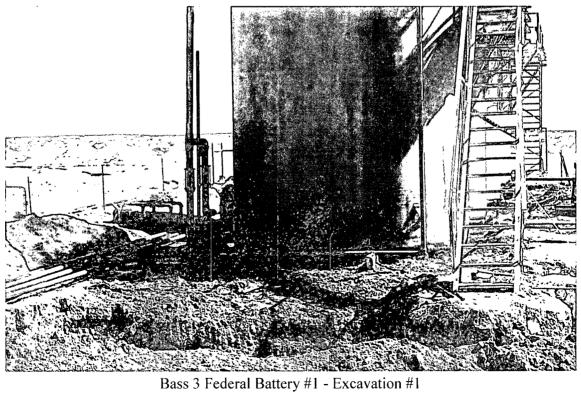
Bass 3 Federal Battery #1 - Excavation #1

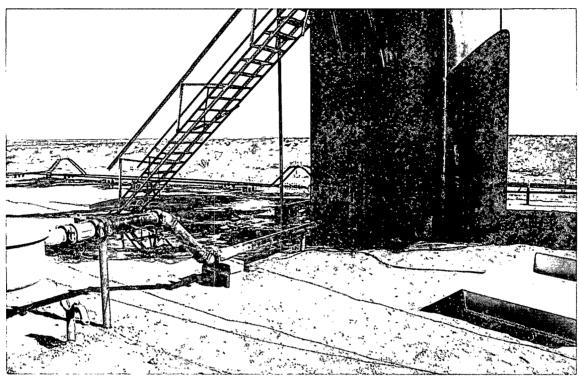


Bass 3 Federal Battery #1 - Excavation #1

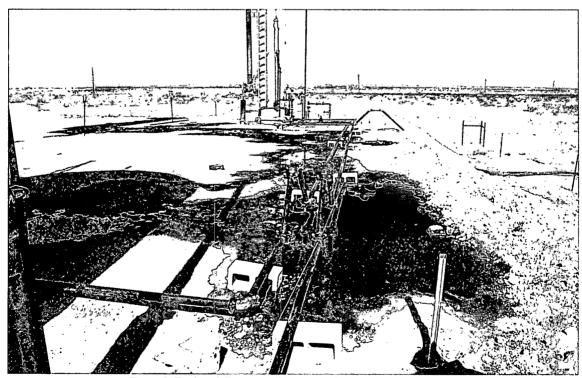


Bass 3 Federal Battery #1 - Excavation #1

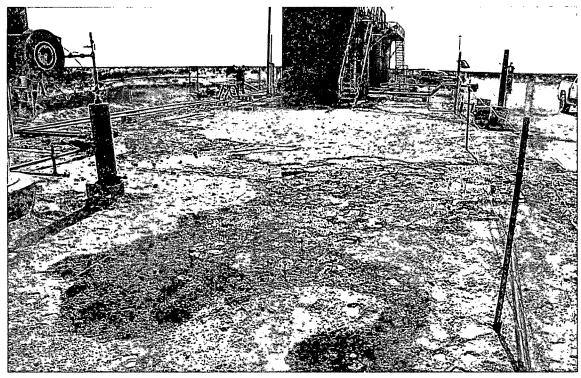




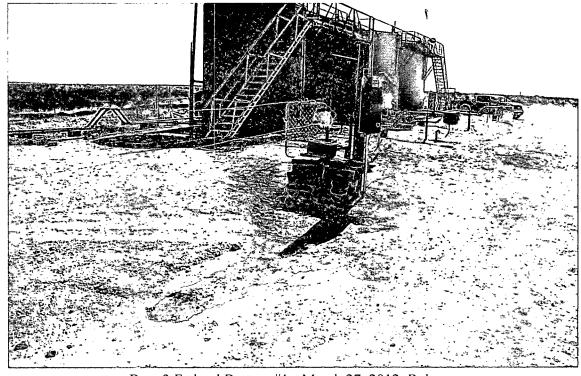
Bass 3 Federal Battery #1 - March 27, 2012, Release



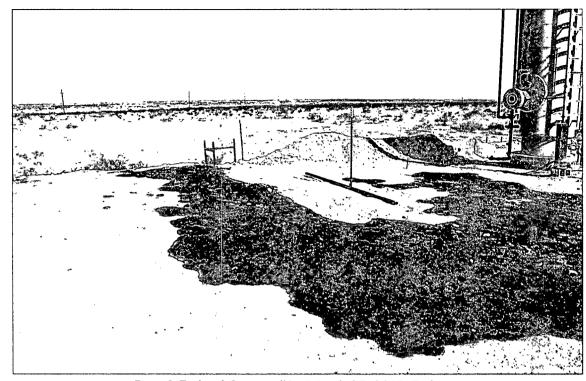
Bass 3 Federal Battery #1 - March 27, 2012, Release



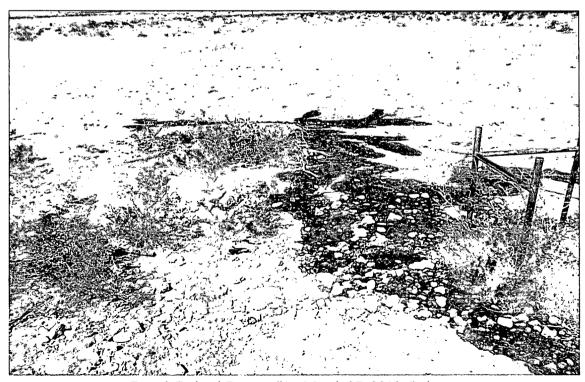
Bass 3 Federal Battery #1 - March 27, 2012, Release



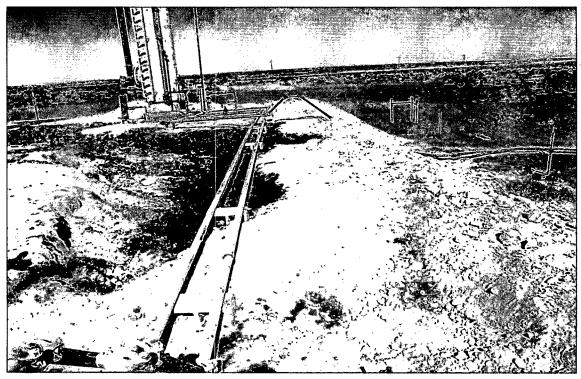
Bass 3 Federal Battery #1 - March 27, 2012, Release



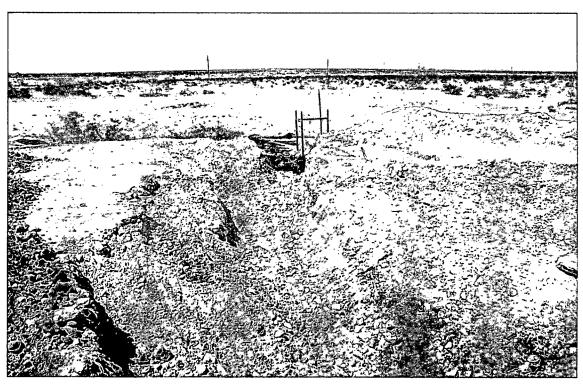
Bass 3 Federal Battery #1 - March 27, 2012, Release



Bass 3 Federal Battery #1 - March 27, 2012, Release



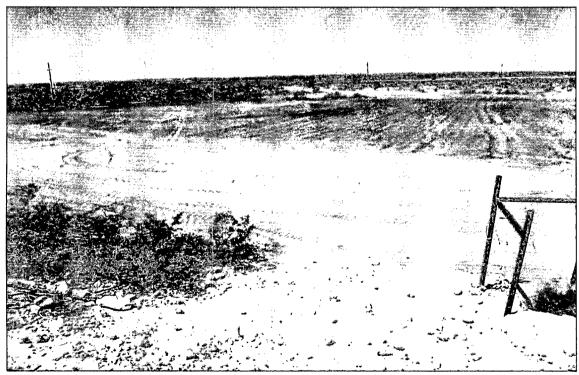
Bass 3 Federal Battery #1 - Excavation #2



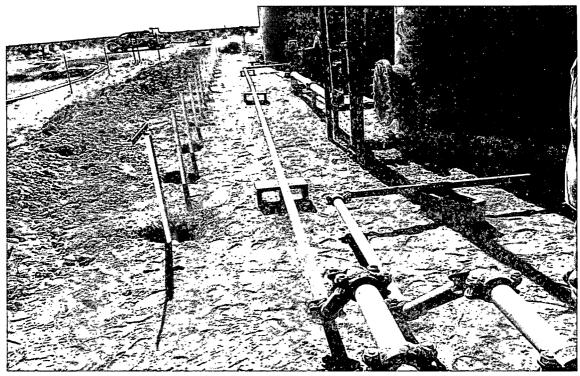
Bass 3 Federal Battery #1 - Excavation #2



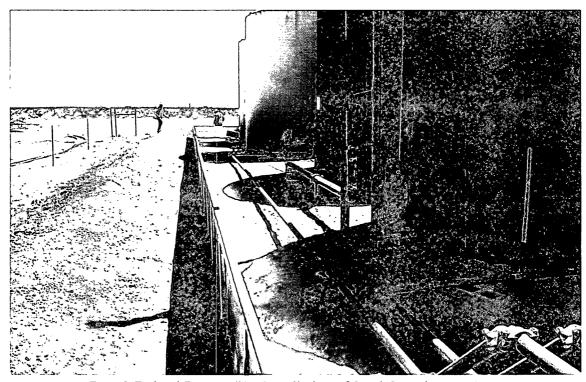
Bass 3 Federal Battery #1 - Excavation #2 (Following Backfill)



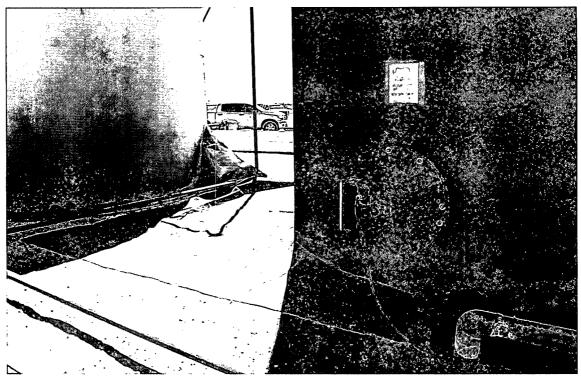
Bass 3 Federal Battery #1 - Excavation #2 (Following Backfill)



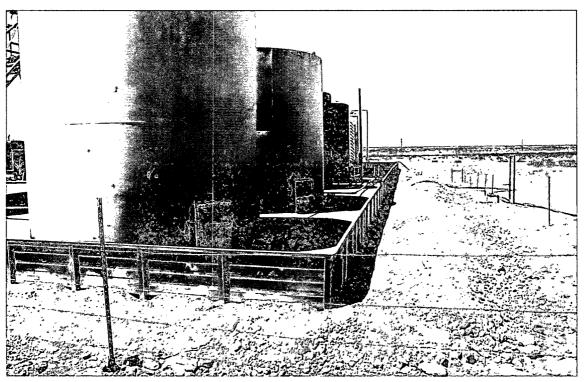
Bass 3 Federal Battery #1 - Installation of Steel Containment Area



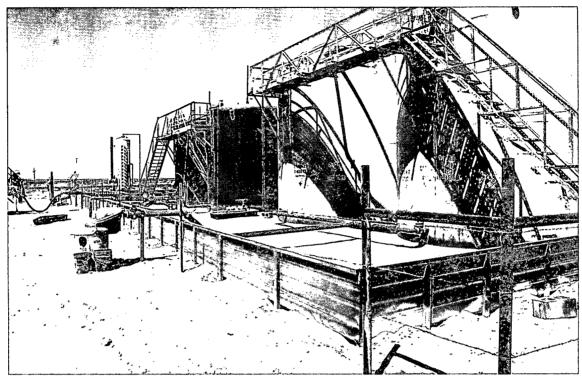
Bass 3 Federal Battery #1 - Installation of Steel Containment Area



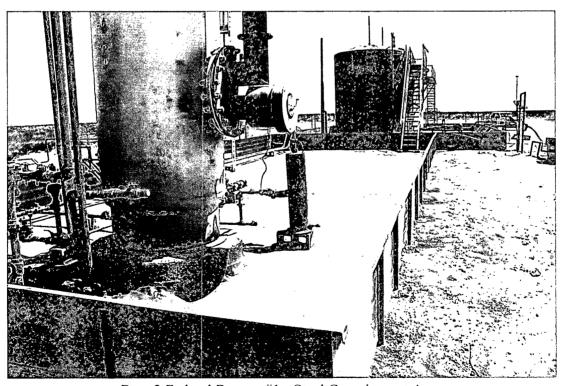
Bass 3 Federal Battery #1 - Installation of Liner & Steel Containment Area



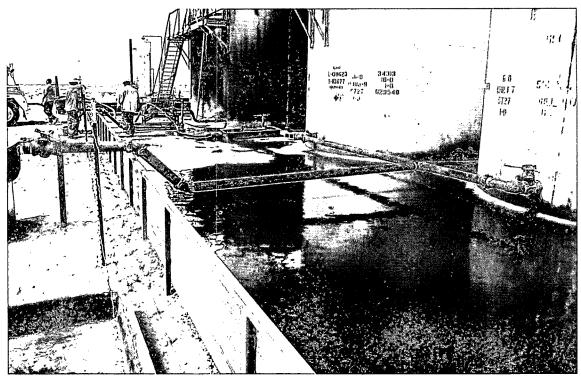
Bass 3 Federal Battery #1 - Steel Containment Area



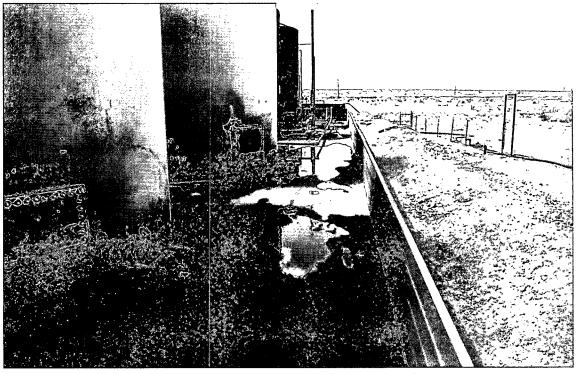
Bass 3 Federal Battery #1 - Steel Containment Area



Bass 3 Federal Battery #1 - Steel Containment Area



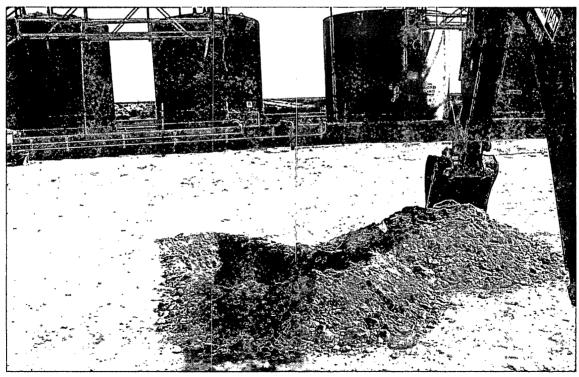
Bass 3 Federal Battery #1 - April 3, 2012, Release



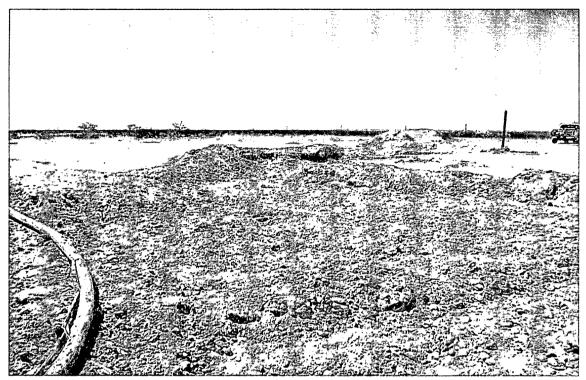
Bass 3 Federal Battery #1 - April 3, 2012, Release



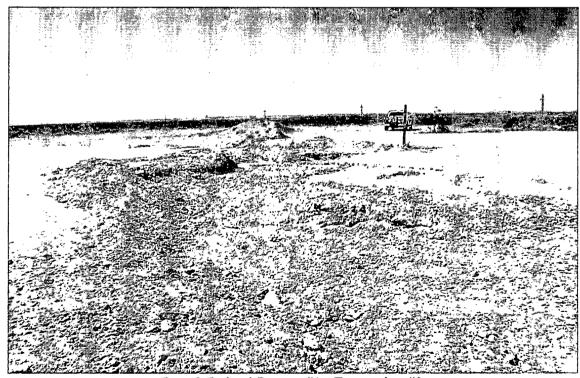
Bass 3 Federal Battery #1 - April 3, 2012, Release



Bass 3 Federal Battery #1 - Excavation #3



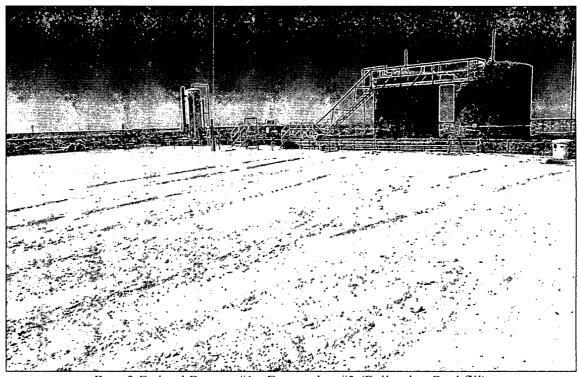
Bass 3 Federal Battery #1 - Excavation #3



Bass 3 Federal Battery #1 - Excavation #3



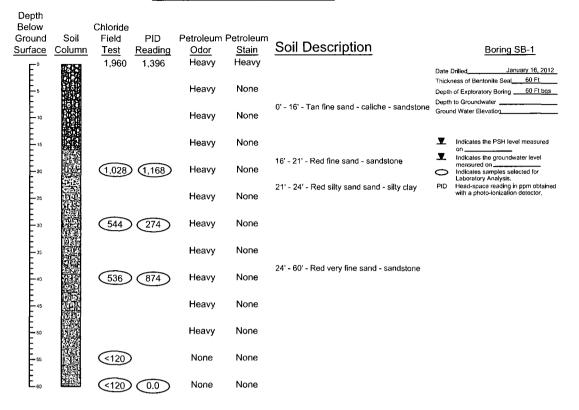
Bass 3 Federal Battery #1 - Excavation #3 (Following Backfill)



Bass 3 Federal Battery #1 - Excavation #3 (Following Backfill)

Appendix C Soil Boring Logs

Soil Boring SB-1



Completion Notes

- The soil boring was advanced on date using air rotary drilling techniques.

 The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

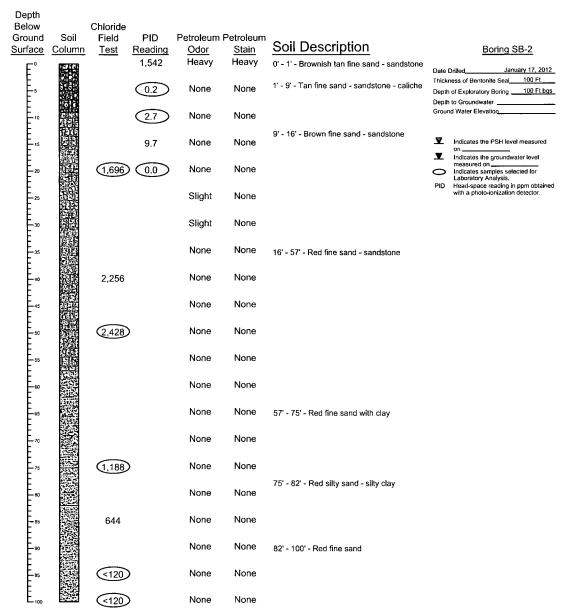
Basin Environmental Service Technologies, LLC 3100 Plains Hwy. Lovington, NM 88260

os in Environmente

Frice Technologie

Prep By: BJA Checked By: BRB May 11, 2012

Soil Boring SB-2



- The soil boring was advanced on date using air rotary drilling techniques.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

Basin Environmental Service Technologies, LLC 3100 Plains Hwy. Lovington, NM 88260

Prep By: BJA Checked By: BRB May 11, 2012

Sasin Environmenta

Effective Sciutions

Te Technologie

Completion Notes

Soil Boring SB-3

Depth							
Below		Chloride					
Ground	Soil	Field	PID	Petroleum P		Cail Danamintian	
Surface	Column	<u>Test</u>	Reading	<u>Odor</u>	<u>Stain</u>	Soil Description	Boring SB-3
r-0	m H I		681	Heavy	Heavy		
į.							Date Drilled January 17, 2012
į.	193			Nama	Nana		Thickness of Bentonite Seat45 Ft
⊢ ⁵			(0.7)	None	None	1' - 11' - Tan fine sand - sandstone - caliche	+
Ė	100						Depth to Groundwater
Ļ.,			(0.1)	None	None		Ground Water Elevation
- - - - - - - - - - - - -							
F			0.0	None	None		Indicates the PSH level measured
- 15			0.0	None	None		on
F							Indicates the groundwater level measured on
L 20			0.0	None	None		 Indicates samples selected for
F							Laboratory Analysis. PID Head-space reading in ppm obtained
F			(0.0)	Slight	None	11' - 40' - Red very fine sand - sandstone	with a photo-ionization detector.
25			0.0	Clight	110110	11 - 40 - Ned Very line Sand - Sandstone	
F							
-30				Slight	None		
F	12.2						
E35				None	None		
F"				110110	740.10		
F		_					
<u> </u>		(232))	None	None		
E	200					40' - 45' - Red fine sand - sandy clay	
E₄₅		<120)	None	None		
-43		~ ~ ~ ~	•				

Completion Notes

- The soil boring was advanced on date using air rotary drilling techniques.
 The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

Basin Environmental Service Technologies, LLC 3100 Plains Hwy. Lovington, NM 88260

Checked By: BRB Prep By: BJA May 11, 2012

Basin Environment

Appendix D Laboratory Analytical Reports



January 24, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BASS 3 FEDERAL BATTERY #1 REMEDIATION & RETRO-FIT

Enclosed are the results of analyses for samples received by the laboratory on 01/19/12 11:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

Celeg & Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

01/19/2012

Sampling Date:

01/16/2012

Reported:

01/24/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY CO., NM

Sample ID: SB - 1 @ 5' (H200132-01)

TPH	801	.5M
------------	-----	-----

mg/k	
------	--

Analyzed By: MC

1711 002311	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>	Allaryze	u by. M3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	394	10.0	01/24/2012	ND	192	95.9	200	9.99	
DRO >C10-C28	2300	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	314	10.0	01/24/2012	ND					
Surrogate: 1-Chlorooctane	99.5 %	55.5-15	4		7.74				
Surrogate: 1-Chlorooctadecane	91.7 %	57.6-15	8						

Sample ID: SB - 1 @ 10' (H200132-02)

TPH 8015M	mg/l	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	01/24/2012	ND	192	95.9	200	9.99	
DRO >C10-C28	79.5	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	33.8	10.0	01/24/2012	ND					
Surrogate: 1-Chlorooctane	93.9 %	6 55.5-15	4	-					
Surrogate: 1-Chlorooctadecane	101 %	57.6-15	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall be deemed waived unless made in writing and received by Cardinal writing that received by Cardinal writing that received by Cardinal states are completed above. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg E Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 8



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

01/19/2012

Sampling Date:

01/16/2012

Reported:

01/24/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY CO., NM

Sample ID: SB - 1 @ 20' (H200132-03)

Chloride SM4500Cl-R

Chloride, SM4500CI-B	mg,	/кд	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	01/20/2012	ND	448	112	400	7.41	
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	207	10.0	01/24/2012	ND	192	95.9	200	9.99	
DRO >C10-C28	1660	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	275	10.0	01/24/2012	ND					
·									

Surrogate: 1-Chlorooctane

104 %

55.5-154

Surrogate: 1-Chlorooctadecane

87.5 %

57.6-158

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

Clay D. Kenne



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

Received:

01/19/2012

Sampling Date:

01/16/2012

Reported:

01/24/2012

Sampling Type:

Soil

BASS 3 FEDERAL BATTERY #1 REMEDIA

Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sampling Condition:

Project Location:

EDDY CO., NM

Sample Received By:

Jodi Henson

Sample ID: SB - 1 @ 30' (H200132-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2012	ND	1.97	98.7	2.00	1.10	
Toluene*	<0.050	0.050	01/23/2012	ND	2.12	106	2.00	0.0184	
Ethylbenzene*	<0.050	0.050	01/23/2012	ND	2.13	107	2.00	0.824	
Total Xylenes*	<0.150	0.150	01/23/2012	ND	6.59	110	6.00	0.938	
Surrogate: 4-Bromofluorobenzene (PIL	109 %	64.4-13	4						
TPH 8015M	mg/l	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	01/24/2012	ND	192	95.9	200	9.99	
DRO >C10-C28	105	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	24.1	10.0	01/24/2012	ND					
Surrogate: 1-Chlorooctane	93.8 %	55.5-154	4					-	
Surrogate: 1-Chlorooctadecane	116%	57.6-158	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratones.

Celeg E. Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

01/19/2012

Sampling Date:

01/16/2012

Reported:

01/24/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Project Location:

EDDY CO., NM

73.7 %

57.6-158

Jodi Henson

Sample ID: SB - 1 @ 40' (H200132-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/20/2012	ND	448	112	400	7.41	
TPH 8015M	mg/kg			d By: MS	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	55.5	10.0	01/24/2012	ND	192	95.9	200	9.99	
DRO >C10-C28	721	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	109	10.0	01/24/2012	ND					
Surrogate: 1-Chlorooctane	109 <i>87.3</i>			ND 					

Sample ID: SB - 1 @ 55' (H200132-06)

Surrogate: 1-Chlorooctadecane

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/20/2012	ND	448	112	400	7.41	

Cardinal Laboratories

*=Accredited Analyte

any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

Celeg D. Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

01/19/2012

Sampling Date:

01/16/2012

Reported:

01/24/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY CO., NM

Sample ID: SB - 1 @ 60' (H200132-07)

BTEX 8021B	mg,	kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2012	ND	1.97	98.7	2.00	1.10	
Toluene*	<0.050	0.050	01/23/2012	ND	2.12	106	2.00	0.0184	
Ethylbenzene*	<0.050	0.050	01/23/2012	ND	2.13	107	2.00	0.824	
Total Xylenes*	<0.150	0.150	01/23/2012	ND	6.59	110	6.00	0.938	
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 64.4-13	4						
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	01/20/2012	ND	448	112	400	7.41	
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	01/24/2012	ND	192	95.9	200	9.99	
DRO >C10-C28	16.2	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	19.2	10.0	01/24/2012	ND	÷				•
Surrogate: 1-Chlorooctane	93.7 %	6 55.5-154	4						
Surrogate: 1-Chlorooctadecane	110%	6 57.6-158	S						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's flability and client's exclusive remedy for any claim ansing, whether based in contract or cort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whitshoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall cardinal be liable for incidental or consequential damages, including, which will be contained by client for analyses. All claims, including those for negligence and cardinal bearing the cardinal bearing to the cardinal bearing the cardinal bearing to the cardinal bearing the cardinal bearing to the cardinal bearing the cardinal

Celey To Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C
 Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and other's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	busin militarinar service recinologics,							BILL TO ANALYSIS REQUEST																		
Project Manager:	Ben J. Arguijo						P.C). #:						T	П							T	}			
Address: P.O.							Со	mpa	ıny:	EOI	PCO, LP]									-	}			!
City: Lovington	n State: NM	Zip:	âŝ	260	•		Att	n:	Ton	ny s	avoie		}		}			1		1		- [Ì			
Phone #: (575).	396-2378 Fax # :(575) 3	96-1	429				Ad	dres	SS: 5	522	W. Meri	nod		1			ı	1	1	1		- {	1			
Project #:	Project Owne	r: 90	029	LP			Cit	y : (Carl					-	- 1	İ		ł		1		- 1	- 1			1
Project Name: Ba	ass 3 Federal Battery #1 Remed	liati	on	& Re	etro-	Fit	Sta	ate:	MM	Zi	p: 8822	0		1	-							- 1	1		l	1
Project Location	: Eddy Co., KM						Phone #: (432) 556-8730			30		-	2			}		١		-	l	1				
Sampler Name:	Ben J. Arguijo						Fa	x#:]	-	3			1				- 1			ĺ	
FOR LAB USE ONLY					MATI	₹X	7	PRE	SER	IV.	SAMPLI	NG],,		2			1	1		-	-	- 1		1	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	11/1/	(4/05.4	104 (1	X3181										
	58-185	6	I		X				K		1/16/12	1400			X											
7	38.1210											1405			K											
3	58.1 Q 20'	Ш	Ш			\perp						1415	X		K		<u> </u>		1	丄					<u> </u>	
나 나	5B · 2 30'	11			-		_					1425	1_	_	K	K		<u> </u>	<u> </u>	<u> </u>		_			<u> </u>	
5	5B-1 @ 40'	11			$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$		\downarrow	<u> </u>				1435	1_	X.	X		<u> </u>	ļ	<u> </u>	_						
	58-10 55'	1			414	_ _	_	1_		_ _		1505	1.3	X.			 	.	 	1_					<u> </u>	
	58-1@ 60'	1	W	$\vdash \vdash$	_\\		-	┺	W	_	<u> </u>	1272	1	K.	X	X.	 	 	↓	1	\bot	\rightarrow			├ ─	ļ
		-	_	\vdash		+	+-	1		-		ļ	-	-			ļ	-	┼	-					ــــ	ļ
			┞	\vdash	\dashv	+	+	╄	-			ļ	4	\dashv		 	 	╂	 	+	-	\dashv			├	
sindyses. All claims. Included service. In no avera shall Co	d Damages. Cardina's Filibility and disertin applicacy formory to by those for regitigance and any other cause who soever share professional be lighte for incorrector or consequental damages, includ- to our office share south, portormance of services, remained to	e doeme ng aitro	a waiv a luteu	ed unwest Macri, but	s mace in siness inte	witing a iruplions	nd rec i, loss	eives t cluse,	or loss	mai witr of prot	un 30 days elt de incurred by	ar completion of Chart, de subsk	fille As Chanes,	ocicable		L		<u> </u>	<u></u>	<u> </u>					<u> </u>	
Relinquished By	Date: //9/12	Re	ecei	ved E	By:							Phone R Fax Res			□ Ye		No		Phon							
1/1/19	Time: 0645	7 .	ar.	المبدا	. 1	161	/					REMARI						_1::=7.								
Relinquished By	y: Pate O	R	Cei	ved E	} y!^\ /	معن أنب	La		ك را	والك	۲۱۰		t. i.		a am.	د اند	raeul	re fo	s nm3)	hasi	nanv		ır			
Delivered By	: (Circle One)	<u>- 1 - 1</u>	اعتما				ondition CHECKED BY: K TARRYO : A					il results to pm@basinenv.com @BassPet.com														
Sampler - UPS - Bus - Other: Cool In Pyes No				ntact	Yes (Initials)					-																



January 24, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BASS 3 FEDERAL BATTERY #1 REMEDIATION & RETRO-FIT

Enclosed are the results of analyses for samples received by the laboratory on 01/19/12 11:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260 (575) 396-1429

Fax To:

Sampling Date:

01/17/2012

Received: Reported: 01/19/2012 01/24/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY CO., NM

Sample ID: SB - 2 @ 5' (H200131-01)

трн 8015М	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	01/24/2012	ND	192	95.9	200	9.99	
DRO >C10-C28	<10.0	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	<10.0	10.0	01/24/2012	ND			,		
Surrogate: 1-Chlorooctane	85.0 %	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	101 %	6 57.6-15	8						

Sample ID: SB - 2 @ 10' (H200131-02)

TPH 8015M	mg/l	(g	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	01/24/2012	ND	192	95.9	200	9.99	
DRØ >C10-C28	<10.0	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	<10.0	10.0	01/24/2012	ND					
Surrogate: 1-Chlorooctane	90.5 %	55.5-15	4						
Surrogate: 1-Chlorooctadecane	98.9 %	57.6-15	8	,					

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors ansing out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratones.

Celeg E. Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

01/19/2012

Sampling Date:

01/17/2012

Reported:

Sampling Type:

Soil

01/24/2012

Cool & Intact

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY CO., NM

Sample ID: SB - 2 @ 20' (H200131-03)

Chloride, SM4500CI-B

mg/ka

Analyzed Ry. AP

Chiefiac/ Shi-isouch B	ıng,	r Kg	Allalyze	a by i Ai					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	718	16.0	01/20/2012	ND	448	112	400	7.41	
PH 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	01/24/2012	ND	192	95.9	200	9.99	
DRO >C10-C28	<10.0	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	<10.0	10.0	01/24/2012	ND					
Surrogate: 1-Chlorooctane	90.7	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	114	% 57.6-15	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses, All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

alex D. Keine



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

Received:

01/19/2012

Sampling Date:

01/17/2012

Reported:

01/24/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

EDDY CO., NM

Sample Received By:

Jodi Henson

Sample ID: SB - 2 @ 50' (H200131-04)

STEX 8021B	
------------	--

m	α	1	ko

BIEX 8021B	mg/	kg	Алагуге	а ву: АР					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2012	ND	1.97	98.7	2.00	1.10	
Toluene*	<0.050	0.050	01/23/2012	ND	2.12	106	2.00	0.0184	
Ethylbenzene*	<0.050	0.050	01/23/2012	ND	2.13	107	2.00	0.824	
Total Xylenes*	<0.150	0.150	01/23/2012	ND	6.59	110	6.00	0.938	
Surrogate: 4-Bromofluorobenzene (PIL	109 %	64.4-134							
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP		·	· · · · · · · · · · · · · · · · · · ·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	01/20/2012	ND	448	112	400	7.41	
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	01/24/2012	ND	192	95.9	200	9.99	
DRO >C10-C28	<10.0	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	<10.0	10.0	01/24/2012	ND					
				.,,					

Surrogate: 1-Chlorooctane

86.7 %

55.5-154

Surrogate: 1-Chlorooctadecane

110%

57.6-158

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed warved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg Z. Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260 (575) 396-1429

Fax To:

Received:

01/19/2012

Sampling Date:

01/17/2012

Reported:

01/24/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY CO., NM

Sample ID: SB - 2 @ 75' (H200131-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	01/20/2012	ND	448	112	400	7.41	
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	01/24/2012	ND	192	95.9	200	9.99	
DRO >C10-C28	<10.0	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	<10.0	10.0	01/24/2012	ND					
Surrogate: 1-Chlorooctane	85.3	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	95.7	% 57.6-15	:8						

Sample ID: SB - 2 @ 95' (H200131-06)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/20/2012	ND	448	112	400	7.41	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. any other cause whatsoever shall be deemed warved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential dan including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether

Celey D. Keene



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

Received:

01/19/2012

Sampling Date:

01/17/2012

Reported:

Sampling Type:

Soil

01/24/2012

Sampling Condition:

Cool & Intact

Project Name: Project Number:

BASS 3 FEDERAL BATTERY #1 REMEDIA

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY CO., NM

Sample ID: SB - 2 @ 100' (H200131-07)

BTEX 8021B	mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2012	ND	1.97	98.7	2.00	1.10	
Toluene*	<0.050	0.050	01/23/2012	ND	2.12	106	2.00	0.0184	
Ethylbenzene*	<0.050	0.050	01/23/2012	ND	2.13	107	2.00	0.824	
Total Xylenes*	<0.150	0.150	01/23/2012	ND	6.59	110	6.00	0.938	
Surrogate: 4-Bromofluorobenzene (PIL	109 %	6 64.4-13	4						
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	01/20/2012	ND	448	112	400	7.41	
TPH 8015M	mg/l	kg	Analyze	d By: MS		·		. <u>.</u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/24/2012	ND	192	95.9	200	9.99	
DRO >C10-C28	11.9	10.0	01/24/2012	ND	206	103	200	8.99	
EXT DRO >C28-C35	<10.0	10.0	01/24/2012	ND					
Surrogate: 1-Chlorooctane	87.8 %	6 55.5-154	1	_					
Surrogate: I-Chlorooctadecane	102 %	57.6-158	3						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, as subsidiaries, affiliates or successors ansing out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celegt: Keine



ND

Notes and Definitions

Analyte NOT DETECTED at or above the reporting limit Relative Percent Difference RPD 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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed valved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Basin Environmental Service	Tech	nol	ogies, LLC		BIL	470					AN.	ALYS	IS RI	EQUE	ST			
Project Manager	: Ben J. Arguijo				P.C). # <i>:</i>								1					
Address: F.O.					Со	mpany: ခ	OPCO, LP		}	1	1	Ì		1		1 1	1		Ì
City: Lavanace	on State: KN	Zip	: aa	260	Αtt	n: Tony	Savoie				1	1	1	1	1	1 1	1	1	1
Phone #: (57£)	396~2378 Fax#: (575)3	96-1	429		Ad	dress: 523	W. Mer	Lon		1	1	İ	1	1	1	1	1	1	
Project#:	Project Owne	r: 20	PCO	, LP	Cit	y: Carlsb	āĊ				1				-	1		1	ļ
Project Name: B	ass 3 Federal Battery #1 Reme	iiat:	ion	& Reiro-Fit	St	ate: NM	Zip: 3822	ũ			l			1	1			1	- }
Project Location	n: Eddy Co., NM				Ph	one #: (43	2)556-67	30	l i				-	1					İ
Sampler Name:	Ben J. Arguijo				Fa	x #:			ll	8								- 1	
FOR LAB USE ONLY			П	MATRIX		PRESERV.	SAMPL	NG	1	8015		l							i
Lab I.D. 112(조기주)	Sample I.D.	(G)RAB OR (C)OMF.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	OTHER	ACID/BASE ICE / COOL OTHER	DATE	TIME	Chlar.de	7 #	BTEK								
1	5B-2 B 5'	6	\mathcal{L}	X		X	1/17/12	0800		X									
2	SB-2 @ 10'	11	11		_			0805		K				__					
3	313-2 € 20'	11	Ш		1_			0830	X	K				_		1			
니	5B-2 850'	44	-4		-	I		0900	X	K	X					_			
<u> </u>	SB-2 8 75'	#			-	 		0930	X	X			_	_ _					
<u> </u>	58-28 95'	\mathcal{H}_{i}	H	 - - 	-	1-11-		0955	X					-					
	3B-2@ 100'	1	1	\psi \psi	+	-	<u> </u>	1005	X	K	λ.					 			
		╁	┢		+			1	}	\vdash	 					-}	-		
		1-	\vdash		+				1-	 	 			+	+-	1	 		

analyses. At chines including trayer for regregation and any other passes analyses are to destine analyses in east mode on whing and reclaimed in the Cardinal when 30 days after completion of the applicate while. By the event shall Cardinal be fighe for indicensal of consequential distinguish, including will see the base of indicensal or consequential distinguish, including will see the base of indicensal or consequential distinguish, including will see even shall cardinal be consequentially partly the appropriate of the appropriate partly and the resolution of the appropriate partly and the appropriate partly appropriate partly and the appropriate partly and the appropriate partly appropriate partly and the appropriate partly

Relinquished By:	Date: 19/12 Received By:	Phone Result: Tyes Two Add'l Phone #:
61/		Fax Result: 🗆 Yes 🗆 No Add'l Fax #:
	Time: 0645 Dykutuh www	REMARKS:
Relinquished By:	Date G Received By:	7
DUELION WON	Time 11-15 MCM STENDEN	Please email results to pm@basinenv.com
Delivered By: (Circle One)	/ Sample Condition CHECKED BY:	i TAsavoledBassFet.com
Sampler - UPS - Bus - Other:	Cool Intact (Initials) Yes Yes No No	, manyeyequabret, eem



January 23, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BASS 3 FEDERAL BATTERY #1 REMEDIATION & RETRO-FIT

Enclosed are the results of analyses for samples received by the laboratory on 01/19/12 11:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

Celeg & Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Received:

01/19/2012

Sampling Date:

01/17/2012

Reported:

01/23/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

Sample Received By:

Jodi Henson

EDDY CO., NM

Sample ID: SB - 3 @ 5' (H200129-01)

TPH 8015M	mg/l	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	01/20/2012	ND	193	96.3	200	9.45	
DRO >C10-C28	40.9	10.0	01/20/2012	ND	179	89.6	200	5.71	
EXT DRO >C28-C35	<10.0	10.0	01/20/2012	ND					
Surrogate: 1-Chlorooctane	85.0 %	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	101 %	57.6-15	8					٠	

Sample ID: SB - 3 @ 10' (H200129-02)

Chloride, SM4500Cl-B Analyte	mg/kg		Analyzed By: AP						
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	01/20/2012	ND	448	112	400	3.64	
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	01/20/2012	ND	193	96.3	200	9.45	
DRO >C10-C28	<10.0	10.0	01/20/2012	ND	179	89.6	200	5.71	
EXT DRO >C28-C35	<10.0	10.0	01/20/2012	ND					
Surrogate: 1-Chlorooctane	82.7 %	6 55.5-15	4						-
Surrogate: 1-Chlorooctadecane	93.6%	6 57.6-15	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

Celeg E. Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

01/19/2012

Sampling Date:

01/17/2012

Reported:

Sampling Type:

Soil

01/23/2012

Sampling Condition:

Cool & Intact

Project Name: Project Number: BASS 3 FEDERAL BATTERY #1 REMEDIA NONE GIVEN

Project Location:

EDDY CO., NM

Sample Received By:

Jodi Henson

Sample ID: SB - 3 @ 25' (H200129-03)

BTEX 8021B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2012	ND	1.97	98.7	2.00	1.10	
Toluene*	<0.050	0.050	01/23/2012	ND	2.12	106	2.00	0.0184	
Ethylbenzene*	<0.050	0.050	01/23/2012	ND	2.13	107	2.00	0.824	
Total Xylenes*	<0.150	0.150	01/23/2012	ND	6.59	110	6.00	0.938	
Surrogate: 4-Bromofluorobenzene (PIL	107	% 64.4-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/20/2012	ND	448	112	400	3.64	
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	01/20/2012	ND	193	96.3	200	9.45	
DRO >C10-C28	<10.0	10.0	01/20/2012	ND	179	89.6	200	5.71	
EXT DRO >C28-C35	<10.0	10.0	01/20/2012	ND					
Surrogate: 1-Chlorooctane	94.7	% 55.5-15	4				· · · · · · · · · · · · · · · · · · ·		
Surrogate: 1-Chlorooctadecane	107	% 57.6-15	8						

Sample ID: SB - 3 @ 40' (H200129-04)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/20/2012	ND	448	112	400	7.41	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keens



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

Received:

01/19/2012

Sampling Date:

01/17/2012

Reported:

01/23/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY CO., NM

Sample ID: SB - 3 @ 45' (H200129-05)

BTEX 8021B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2012	ND	1.97	98.7	2.00	1.10	
Toluene*	<0.050	0.050	01/23/2012	ND	2.12	106	2.00	0.0184	
Ethylbenzene*	<0.050	0.050	01/23/2012	ND	2.13	107	2.00	0.824	
Total Xylenes*	<0.150	0.150	01/23/2012	ND	6.59	110	6.00	0.938	
Surrogate: 4-Bromofluorobenzene (PIL	110 9	64.4-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/20/2012	ND	448	112	400	7.41	
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	01/20/2012	ND	193	96.3	200	9.45	
DRO >C10-C28	<10.0	10.0	01/20/2012	ND	179	89.6	200	5.71	
EXT DRO >C28-C35	<10.0	10.0	01/20/2012	ND					•
Surrogate: 1-Chlorooctane	89.6%	6 55.5-15-	1						
Surrogate: I-Chlorooctadecane	102 %	57.6-158	3						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, repardless of whether such (plim is Dased upon any of the above stated reasons or otherwise. Results refate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories,

Celeg E. Keena



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by cleint, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Basin Environmental Service Technologies, LLC Project Manager: Ben J. Arguijo Address: P.O. Eox 301 Company: BoPCO, LP City: Lovington. State: NM Zip: 88260 Attn: Pony Savoie Phone #: (575)395-2378 Project Owner: BOPCO, LP City: Carlsbad Project Name: Basis 3 Federal Battery \$1 Remediation & Retro-Fit State: NM Zip: 88220 Project Location: Eddy Co., NM Phone #: (432)556-8730 Fax #: Fax #: For L88 USE ONLY Pon L88 USE ONLY Pon L88 USE ONLY AMATRIX PRESERV. SAMPLING MATRIX PRESERV. SAMPLING WATRIX PRESERV. SAMPLING AMATRIX	
Address: P.O. Box 361 City: bovington. State: NM Zip: 88266 Attn: rony Savoie Phone #: (575)396-2378 Fax #: (575)396-1429 Address: 522 M. Mermod Project #: Project Owner: BOPCO, LP City: carlsbad Project Name: Bass 3 Federal Battery #1 Remediation & Retro-Fit State: NM Zip: 88220 Project Location: Eddy Co., NM Sampler Name: Ben J. Arguijo For LAB USE DALY Lab I.D. Sample I.D. #1200126] **Sample I.D.** **Sample I.D.* **Sample I.D.** **Sample I.	
Phone #: (575)396-2378	1 1 1
Project #: Project Owner: BOPCO, LP City: Carlsbad Project Name: Bass 3 Federal Battery #1 Remediation a Retro-Fit State: NM Zip: 88220 Project Location: Eddy Co., NM Phone #: (432) 556-8730 Sampler Name: Ben J. Arguijo Fax #: FOR L48 USE DNLY Lab I.D. Sample I.D. WAS INVANATIX PRESERV SAMPLING HIZODIAG DATE TIME #1200146	
Project Name: Bass 3 Federal Battery #1 Remediation & Retro-Fit State: NM Zip: 88220 Project Location: Eddy Co., NM Phone #: (432) 556-8730 Sampler Name: Ben J. Arguijo Fax #: FOR LAB USE DN.Y Lab I.D. Sample I.D. Wally III Don's Band III Band I	
Project Location: Eddy Co., NM Sampler Name: Ben J. Auguijo Fax #: FOR LAB USE DALY Lab I.D. Sample I.D. H2001249 \$6.3 8 5' \$56.3 8 10' \$56.3 8 25' \$45.	
Sample Name: Ben J. Arguijo Fax #:	
Lab I.D. Sample I.D. (C) Bare to the Result of the Result	
Lab I.D. Sample I.D. (C) Bag of CONTAINERS STUDGE S	
Lab I.D. Sample I.D. (C) Bag of CONTAINERS STUDGE S	
2 5B-3 Q 5'	
3 58-32 25' 4 36-32 40' 1110 X	
4 36-32 40' 1110 X	
1 51 32-30 45 10 10 10 10 10 10 10 10 10 10 10 10 10	
	+
PLEASE NOTE: Usbbay and Damages. Calcaime's tabusy and dens's exclusive remicing for any claim an ening which the saved in contract or tank shall be showed to the amount and by the claim for the applicable and any other claims whitescent if all to deemed whereal units in mode in wating and received by Calcand whithin 30 days after countybusing of the applicable applicable and any other claims of the applicable and any other claims of the applicable and the applicable applicable and the applicable applicable and the applicable applicable and the applicable applicable and the applicable and the applicable applicable and the applicable applicable and the applicable and the applicable applicable and the applicable applicable and the applicable applicable and the applicable applicable applicable and the applicable applicable applicable applicable and the applicable	
Relinquished By: Date: /5//2 Received By: Phone Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #:	
Relinquished By: Date 12 Received By: Received By:	
Delivered By: (Circle One) Sample Condition CHECKED BY: Cool Intact (Intact) (In	



March 12, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BASS 3 FEDERAL BATTERY #1 REMEDIATION & RETRO-FIT

Enclosed are the results of analyses for samples received by the laboratory on 03/06/12 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

Celeg D. Keena

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

03/06/2012

Sampling Date:

03/05/2012

Reported:

03/12/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Project Location:

Jodi Henson

EDDY CO., NM

Sample ID: SAMPLE #1 (H200576-01)

mg/kg		Analyzed By: AP						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
2440	16.0	03/07/2012	ND	416	104	400	0.00	
mg,	/kg	Analyze	d By: MS					S-06
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1100	100	03/09/2012	ND	250	125	200	2.40	
7180	100	03/09/2012	ND	199	99.7	200	0.875	
1140	100	03/09/2012	ND					
	Result 2440 mg, Result 1100 7180	Result Reporting Limit 2440 16.0 mg/kg Result Reporting Limit 1100 100 7180 100	Result Reporting Limit Analyzed 2440 16.0 03/07/2012 mg/kg Analyze Result Reporting Limit Analyzed 1100 100 03/09/2012 7180 100 03/09/2012	Result Reporting Limit Analyzed Method Blank 2440 16.0 03/07/2012 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank 1100 100 03/09/2012 ND 7180 100 03/09/2012 ND	Result Reporting Limit Analyzed Method Blank BS 2440 16.0 03/07/2012 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS 1100 100 03/09/2012 ND 250 7180 100 03/09/2012 ND 199	Result Reporting Limit Analyzed Method Blank BS % Recovery 2440 16.0 03/07/2012 ND 416 104 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery 1100 100 03/09/2012 ND 250 125 7180 100 03/09/2012 ND 199 99.7	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 2440 16.0 03/07/2012 ND 416 104 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 1100 100 03/09/2012 ND 250 125 200 7180 100 03/09/2012 ND 199 99.7 200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 2440 16.0 03/07/2012 ND 416 104 400 0.00 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 1100 100 03/09/2012 ND 250 125 200 2.40 7180 100 03/09/2012 ND 199 99.7 200 0.875

Surrogate: 1-Chlorooctane

172%

55.5-154

Surrogate: I-Chlorooctadecane

140 %

57.6-158

Sample ID: SAMPLE #2 (H200576-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	03/07/2012	ИD	416	104	400	0.00	
TPH 8015M	mg/kg		Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3920	100	03/09/2012	ND	250	125	200	2.40	
DRO >C10-C28	11000	100	03/09/2012	ND	199	99.7	200	0.875	•
EXT DRO >C28-C35	1820	100	03/09/2012	ND					
Surrogate: 1-Chlorooctane	237 %	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	222 %	% 57.6-15e	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

Celeg E. Keena



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

03/06/2012

Sampling Date:

03/05/2012

Reported:

03/13/2012

Sampling Type:

Soil

Project Name:

03/12/2012

Sampling Type.

Cool & Intact

Project Name.
Project Number:

BASS 3 FEDERAL BATTERY #1 REMEDIA NONE GIVEN

Sampling Condition:

- " · · ·

Project Location:

EDDY CO., NM

333 %

57.6-158

Sample Received By:

Jodi Henson

Sample ID: SAMPLE #3 (H200576-03)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	03/07/2012	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5360	100	03/09/2012	ND	250	125	200	2.40	•,
DRO >C10-C28	18300	100	03/09/2012	ND	199	99.7	200	0.875	
EXT DRO >C28-C35	2470	100	03/09/2012	ND					
Surrogate: 1-Chlorooctane	435	% 55.5-15	4						

Sample ID: SAMPLE #4 (H200576-04)

Surrogate: 1-Chlorooctadecane

Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	03/07/2012	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	03/10/2012	ND	250	125	200	2.40	
DRO >C10-C28	116	10.0	03/10/2012	ND	199	99.7	200	0.875	
EXT DRO >C28-C35	41.5	10.0	03/10/2012	ND					
Surrogate: 1-Chlorooctane	89.9	% 55.5-15	4				· ·	-	
Surrogate: 1-Chlorooctadecane	80.6	% 57.6-15	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's fiability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subclidaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

03/06/2012

Sampling Date:

03/05/2012

Reported:

03/12/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY CO., NM

Sample ID: SAMPLE #5 (H200576-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	03/07/2012	ND	416	104	400	0.00	
TPH 8015M	015M mg/kg		Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2530	100	03/09/2012	ND	250	125	200	2.40	
DRO >C10-C28	17700	100	03/09/2012	ND	199	99.7	200	0.875	
EXT DRO >C28-C35	1910	100	03/09/2012	ND					
Surrogate: 1-Chlorooctane	304	% 55.5-15	4						

Surrogate: 1-Chlorooctadecane

277%

57.6-158

Sample ID: SAMPLE #6 (H200576-06)

Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11100	16.0	03/07/2012	ND	416	104	400	0.00		
TPH 8015M mg/kg		kg	Analyze	d By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	644	100	03/09/2012	ND	250	125	200	2.40		
DRO >C10-C28	12500	100	03/09/2012	ND .	199	99.7	200	0.875		
EXT DRO >C28-C35	1900	100	03/09/2012	ND						
Surrogate: 1-Chlorooctane	193 %	55.5-15-	1							
Surrogate: 1-Chlorooctadecane	273 %	57.6-158	3							

Cardinal Laboratories

*=Accredited Analyte

PLESE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise, Results relate only to the samples identified above. This report shall not be reproduced except in full with written approprial of Cardinal Laboratories.

Celeg E Kune



Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for neglegence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Basin Environmental Service T	ech	nol	ogies, LLC	: 1		BIL	L TO ANALYSIS REQUEST													
Project Managei	Een J. Arguijo				1	P. O.	. #:														\Box
Address: 2.0.						Company: BOPCO, LP					}	١	Ì	1	1	1			1		
City: Lovingto	on State: NM	Zip:	38	260		Altn: Tony Savoie					- 1	- [- 1	Į				Į		
Phone #: (575)		6-1	429			Add	lress: 522	w. Mern	iod .			1	İ	ľ	Ì				j		1
Project#:	Project Owner	E0	PCC	, LF		City	: Carlsb	aci			1	1	1		1				- 1		
Project Name: B	ASS 3 FEDERAL REMEDIATION + R	ETR	0 F	Ţτ		Stat	te: NM	Zip: 88223)	l l	l		l	į					į		. [
	I EDDY N.M.				Phone #: (432) 556-8730																
	Jody Walters				Fax #:							1	- 1	1	- 1						
FOR LAB USE CALLY				MATRI	X		PRESERV	SAMPLI	NG				ĺ	Į					1		
Lab I.D. お2のうづう	Sample I.D.	(G)RAD OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWALER SOIL	SLUDGE	ОТНЕЯ	ACID/BASE ICE / COOL OTHER	DATE	TIME	Chlorides	8015M										
	SAMPLE HI	G		X	;		χ:	3-5·1Z	9:00	×	7										
2.	SAMPLE #2	G	11	X			ΙУ -	3-5-12	9:05	×	¥									L	
-2,	SAMPLE #3	G	1	<u> </u>		\perp	<u> </u>	3-5-12	9:10	\times	×							<u> </u>			
4	SAMPLE #4	G	1	У	.	_	γ	3-5-12		\perp	7					ļ					
5	SAMPLE #5	6	1	X		_	λ.	3-5-12		×	×					ļ		ļ			
5	SAMPLE HG	G	1	X	-	_	Χ.	35-12	9:25	~	X_										
		<u> </u>	_			_											<u> </u>	<u> </u>	<u> </u>	 	<u> </u>
		<u> </u>	_			_	-		<u> </u>	 		ļ			 	<u> </u>	↓	 	 		
<u></u>		-	1_	 		_	 			<u> </u>	<u> </u>	ļ			ļ	<u> </u>	<u> </u>	 	<u> </u>	 	
L	<u> </u>	<u> </u>	1_						<u> </u>	1	l	<u> </u>				<u> </u>	1	<u> </u>	1	<u> </u>	1

PLEASE NOTE: Cubbay and Damages: Caronal's habory and capit's excusive remedy for any dram arong vinetries based in contract or for. It shall be treated to the amount paid by the client for that analysis in a power and or properties of the applicable and properties of the applicable and the paid of the properties of the properties of the applicable and the paid of the properties of the p

Relingψished By:	Date: Received By:	Phone Result: 📋 Yes 📋 No Add'l Phone #:
1//1.84	1/5/10	Fax Result: Yes No Add'l Fax #:
low water	Time: 753	REMARKS:
Relinquished By	Date; / Received By:	
1	Time:	
119		Please email results to pumbasinenv.com
Delivered By: (Circle One)	Sample Condition	
Sampler - UPS - Bus - Other:	Zei Cool Intact . [A yes [] Yes No [] No	(tationts)

† Cardinal cannot accept verbal changes. Please tax written changes to 505-393-2476

Page 6 of 6



April 02, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BASS 3 FEDERAL BATTERY #1 REMEDIATION & RETRO-FIT

Enclosed are the results of analyses for samples received by the laboratory on 03/29/12 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

Celeg & Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Received:

03/29/2012

Sampling Date:

03/29/2012

Reported:

04/02/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1 REMEDIA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

EDDY CO., NM

Sample Received By:

Jodi Henson

Sample ID: SAMPLE #1 (H200753-01)

TPH 8015M	mg/kg		Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	106	10.0	03/30/2012	ND	183	91.7	200	6.89	
DRO >C10-C28	470	10.0	03/30/2012	ND	178	88.8	200	8.58	
EXT DRO >C28-C35	44.8	10.0	03/30/2012	ND					
Surrogate: 1-Chlorooctane	135 %	55.5-15	4		•				
Surrogate: 1-Chlorooctadecane	116%	6 57.6-15	8						

Sample ID: SAMPLE #2 (H200753-02)

TPH 8015M	mg/kg		Analyze	Analyzed By: MS/					~····
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/30/2012	ND	183	91.7	200	6.89	
DRO >C10-C28	58.9	10.0	03/30/2012	ND	178	88.8	200	8.58	
EXT DRO >C28-C35	15.7	10.0	03/30/2012	ND					
Surrogate: 1-Chlorooctane	126 %	55.5-15	4						
Surrogate: 1-Chlorooctadecane	120 %	57.6-15	8						

· Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential dailinges, including, without finitiation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg Di Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

BASS 3 FEDERAL BATTERY #1 REMEDIA

(575) 396-1429

Received:

03/29/2012

Sampling Date:

03/29/2012

Reported:

04/02/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY CO., NM

Sample ID: SAMPLE #3 (H200753-03)

TPH 8015M	mg/kg
	*-

									• • • • • • • • • • • • • • • • • • • •
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/30/2012	ND	183	91.7	200	6.89	
DRO >C10-C28	201	10.0	03/30/2012	ND	178	88.8	200	8.58	
EXT DRO >C28-C35	64.3	10.0	03/30/2012	ND					

Analyzed By: MS/

Surrogate: 1-Chlorooctane 114% 55.5-154 Surrogate: 1-Chlorooctadecane 96.4 % 57.6-158

Sample ID: SAMPLE #4 (H200753-04)

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	61.8	10.0	03/30/2012	ND	183	91.7	200	6.89	
DRO >C10-C28	460	10.0	03/30/2012	ND	178	88.8	200	8.58	
EXT DRO >C28-C35	37.5	10.0	03/30/2012	ND					

Surrogate: 1-Chlorooctane 118% 55.5-154 Surrogate: 1-Chlorooctadecane 110 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

any other cause whatsoever shall be deemed waived unless made in writing and ecceived by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

Celey & Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidianes, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celegt Keens



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 Manage	C Ben J. Arguijo				P. (O. #:															
Address: P.O					Co	mpany	/: EO	PCO, LP													
City: Loving:	om State: NM	Zip	882	260	Attn: Tony Savoie																
Phone #: (575) 396-2378 Fax #: (575) 3	95-1	429		Address: 522 w. Mermod														1		
Project#:	Project Owne	r: EO	PCO,	LP	City: Carlsbad																
Project Name:	ASS 3 FEDERALHI Bothery Remedia	1.0N	+ 12	et:of:+	State: NM Zip: 38220)							}					
Project Location	1: EDDY NM				Phone #: (432) 556-8730				30							,					
	Jody Walters	-			_	x #;															ı
FOR LABIUSE CHLY			-	MATRIX	-	PRESE	RV.	SAMPLI	NG												
Lab I.D.	Sample I.D.	AB OR (C)OMP	NTAINERS	WASTEWATER SOIL OIL SLUDGE	.di:	ACIDIBASE: ICE / COOL	FR			BOISIM											
H20153		(G)RAB	00 2	MAS NOTE SOL	TE.	G 7.	OT HER	DATE	TIME	\mathfrak{A}											1
1	sample #1	16	1	İX	Ť	X		329.12	9:00	بد					************	E-FE-HANDS					
2	Sample #2	6	١	*		X		3-29-12	9:10	7	:										
3	Sample#3	G	1	λ		1 %		3 - 29 - 12	9:20	74											
<u> </u>	5a-ple#4	Ç	1	X .		<u> </u>	; .	3-29-12	9:30	7											
		-			_				~ <u>~</u>												
		-	_		-											ļ	<u> </u>				
		+	\vdash		-	-	-									 		ļ			
		-	-l -	 	+-	┢	╌┼	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	,							<u> </u>	 				
		1			\dagger																
unályses. Al claims índud service, in no even shad C	no Damingos, Cardinal's hat dity and classifs exclusive remedy for ng those for negligence and any other cause whitespeed each be artificial be floble for incidental or consequental damages, include ingigut of orzelates to the performance of services negronds by	e daemed Lotter pr	valveć Imaaik	Unicsa made in virting at in, business interreptions	id rece Joss 2	ivea by Can Luse or los	ranal vát sa ot pro	thin 30 days after List encurred by s	r completion of a tront, as subsidia	ne apolicab Intes	it.				<u> </u>	A	·	***************************************	·	berencimine th	
Relinquished B	Date: 29-12 Ting: 15	Re	Ceive	ed By: Le De					Phone Re Fax Resul REMARKS	sult: lt:	∐ Ye □ Ye		No No	Add'i I Add'i I		#:					
Refinguished B	Time:	Re	ceive	ed By:				:	!	Pleas	o ema	nil r	eault	s 10	pm@ba	asine	inv.c	om			
1	: (Circle One) - Bus - Other:	14	0	Sample Condi Cool Intact FYes FYe No N			ECKE (In)til	DBY:	i				sPet.								



April 20, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BASS 3 FEDERAL BATTERY #1

Enclosed are the results of analyses for samples received by the laboratory on 04/18/12 8:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

Celeg & Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

04/18/2012

Sampling Date:

04/17/2012

Reported:

04/20/2012

Sampling Type:

432

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

Analyte

EDDY CO. NM

Sample ID: SAMPLE #1 (H200891-01)

Chloride, SM4500Cl-	В	

e,	5M45UUCI-	D	

mg/kg

Analyzed By: AP

Analyzed

Method Blank

BS % Recovery True Value QC

Qualifier

RPD

0.00

Chloride

656

Reporting Limit 16.0

04/19/2012

ND

108

400

Sample ID: SAMPLE #2 (H200891-02)

Chloride,	SM4500CI-B	

Chloride, SM4500CI-B	mg,	/kg	Analyze	nalyzed By: AP									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier				
Chloride	464	16.0	04/19/2012	ND	432	108	400	0.00					

Sample ID: SAMPLE #3 (H200891-03)

Chloride, SM4500CI-B	/kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	04/19/2012	ND	432	108	400	0.00	

Sample ID: SAMPLE #4 (H200891-04)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	04/19/2012	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg E. Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

04/18/2012

Sampling Date:

04/17/2012

Reported:

04/20/2012

Sampling Type:

Soil

Project Name:

BASS 3 FEDERAL BATTERY #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY CO. NM

Sample ID: SAMPLE #5 (H200891-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
Chloride	288	16.0	04/19/2012	ND	432	108	400	0.00				

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatcoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subclidaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



ND

Notes and Definitions

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount pald by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waked unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for inordental or consequencial damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg E Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Marine Christian Committee Committee Committee Committee Committee Committee Committee Committee Committee Com	(575) 393-2326 FAX (575) 393-247		-		COVERNO CONTRA				v-10												
Company Name	Basin Environmental Service	Tecl	nnol	ogins.	LLC		l	8/L	LTO						ANAL	YSIS.	RE	QUE	ST		
Project Manage	T Ben J. Arguijo			~~~		Ρ.	O. #:											-32			
Address: P.O	, Вож 301				···	Company: BOPCO, LP															
City: Lovingt	on State: NM	Zip	: 83	260	HTT-Vermoures_ures_ures	ΑI	tn: To	ny 3	Savoie	*******************************										:	
Phone #: (575)396-2378 Fax #:(575)3	96-1	429			Ac	dress:	522	w. Mern	nod										l	
Project#:	Project Owne	r: BC	PCC	, Lp		City: Carisbad													ĺ		
Project Name:	BASS 3 FEDERAL Battery #1	l	······	.,,	······································	St	ate: NH	Z	ip:3322)]										
	n: EDDY, NM.					Pi	one #: (432)	1556-87	30]	
	Jody Walters.					Fa	x.#;]										
FOR LAB USE CALLY	·			MA I	ATRIX		PRESE	RV.	SAMPLI	NG	٦ ,	, i									
Lab I.D. <u>}{20089</u> /	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	Oit.	OTHER:	ACID/BASE: ICE / COOL	OTHER:	DATE	TIME	Chloride										77.00 PM
	SAMPLE #1	G-	Ш	<u> </u>	<u>'</u>		<u> X</u>		4-17-12		X									 	
2	Sumple et 2	C		<u> </u>		<u> </u>	У		1-17-12		X		_							 	
3	Sample #3 Sample #4 Sample #5	G	<u>ı</u>		/		У			2:20	1									 	
<u> </u>	Sample #4	G	1	/			<u> </u>			7:30		.								 	
	Sample #5	G	`		- i		X	_[-	1-17-12	1.40	X	.		ļ						 	
			\vdash			-		-		***************************************	. 	ļ		ļ						 	
			-		-	-	<u> </u>		····		╂	 							.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	 	
		+	\vdash		1 :	╁		- -			1-	 	-	 -						 	
		1		 	 - -	1		\dashv		······································	1	†		 						 	
PLEASE HOTE: Cabaly a	nd Damages, Cardinal's furtifity and chem's evictusive remedy for:	ans plan	o arese	n unemarbos	en un contra	CLOCAS	e shart se ar	nited to t	ne ammer car	1 morne dient to	+ tha									 	

PLEASE MOTE: Liability and Demages. Caronal's butting and chem's exclusive remedy for any claim arrang onems based in contrast or con-shall be lambed to the amount paid by me dient for the unabject. At claims visiting and received by Caronal within 30 days after completion of the applicable saving. In no event strid Caronal be liable for indicental or consequental damages, ticlinding adhout kination, business interestions, loss of use, or less of profits incurred by claim, its hybridanes.

Relinquished By:	Date: Received By:		Phone Result: Fax Result:	□ Yes □ Yes		Add'l Phone #: Add'l Fax #:	
log/www	Timber 1/1/14 /	yar	REMARKS:				
Relinguished By	Time:	Henson.	pleas	se email	. result	s to pm@hasineuv.com	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Co Cool /int	ondition CHECKED BY: tact ((Initials)	& TAs	savoie⊕B	assPet.	.com	
	U.Y C DNOT	T No CYVI					