

SITE INFORMATION

Report Type: Closure Plan

General Site Information:			
Site:	Westall A State #1 Tank Battery		
Company:	COG Operating LLC		
Section, Township, and Range:	36	17S	29E
Lease Number:	API# 30-015-03798 (nearest well)		
County:	Eddy County, NM		
GPS:	N 32.78817°	W104.02323°	
Surface Owner:	State		
Mineral Owner:			
Directions:	In Loco Hills, go South then Southwest on CR217 for 3.0 miles, turn right on dirt road and make an immediate left and go 0.2 mile to location.		

Release Data:	
Date Released:	10/25/2013
Type of Release:	Oil
Source of Contamination:	Tank Battery
Fluid Released:	20 bbls
Fluids Recovered:	15 bbls

Official Communication:		
Name:	Pat Ellis	Cliff Brunson
Company:	COG Operating LLC	BBC International, Inc.
Address:	550 W. Texas Ave., Ste. 1300	1324 W. Marland
PO Box:		PO Box 805
City, State, Zip Code:	Midland, TX 79701	Hobbs, NM 88241
Phone Number:	(432) 686-3023	(575) 397-6388
Fax:	(432) 684-7137	(575) 397-0397
Email:	pellis@conchoresources.com	cbrunson@bbcinternational.com

Ranking Criteria:		
Depth to Groundwater:	Ranking Score	Site Data
<50 ft.	20	
50-99 ft.	10	
>100 ft.	0	0

Well Head Protection:	Ranking Score	Site Data
Water Source <1,000 ft., Private <200	20	
Water Source >1,000 ft., Private >200	0	0

Surface Body of Water:	Ranking Score	Site Data
<200 ft.	20	
200 ft. - 1,000 ft.	10	
>1,000 ft.	0	0

Total Ranking Score:	0
-----------------------------	---

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 06 2014

RECEIVED

Acceptable Soil RRAL (mg/kg)		
Benzene	Total BTEX	TPH
10	50	5000



COG Operating LLC

Westall A State #1 Tank Battery

(Release Date 10/25/2013)

**Unit J, Section 36, Township 17 South, Range 29 East
Eddy County, New Mexico
GPS: N 32.78817° W 104.02323°**

ENVIRONMENTAL SITE INVESTIGATION

CLOSURE REPORT

PERFORMED BY:

BBC INTERNATIONAL, INC.
WORLD-WIDE ENVIRONMENTAL SPECIALISTS
1324 W. MARLAND BLVD.
P. O. BOX 805
HOBBS, NEW MEXICO 88240
(575) 397-6388 • FAX (575) 397-0397

June 5, 2014

PREPARED FOR:

**MR. PAT ELLIS
MANAGER, HSE
COG OPERATING LLC
FASKEN CENTER TOWER II
550 WEST TEXAS AVENUE, SUITE 100
MIDLAND, TEXAS 79701**

Mr. Mike Bratcher
Compliance Officer
Oil Conservation Division, District 2
811 South First
Artesia, NM 88210

Re: Closure plan for COG Operating LLC, Westall A State #1 Tank Battery,
Unit J, Section 36, Township 17 South, Range 29 East, Eddy County, NM

1.0 SITE CHARACTERIZATION

The subject site is located South of Loco Hills, NM, in Section 36, Township 17 South, and Range 29 East, Eddy County, New Mexico. The GPS coordinates are N 32.78817° W 104.02323°. The site consists of undeveloped rangeland and petroleum production facilities. On October 25, 2013, a leak occurred at the main produced water line. The spill measured roughly 100 feet in length and 25 feet in width. Approximately 8 bbls of produced water were released and 2 bbls of produced water were recovered.

A diagram of the location including the sample points can be reviewed in Appendix I of this report. The surface soil is light brown sand with caliche and rock. There is no water source within 1,000 feet of this site. Based on the data from the Eddy County Groundwater Trend Map, the depth to groundwater in Section 36, Township 17 South, and Range 29 East is approximately 175 feet. The initial C-141 for the leak is at the end of this report in Appendix III.

2.0 SITE INVESTIGATION ACTIVITIES

On November 19, 2013 and November 20, 2013 BBC International conducted a delineation of the site using a hand auger. Sample points were taken at three locations. At SP1, samples were taken at depths of 1 foot, 2 feet, 3 feet, 6 feet, 9 feet, and 12 feet. At SP2, samples were taken at depths of 1 foot, 2 feet, 3 feet, 4 feet, 7 feet, and 9 feet. And, at SP3, sample depths were 1 foot, 2 feet, 3 feet, and 5 feet. The samples were taken to Cardinal Laboratories and most were analyzed for BTEX, TPH, and chloride content. The following were only analyzed for chloride content: SP1 at 6', SP1 at 9', SP1 at 12', SP2 at 7', SP2 at 9', and SP3 at 5'. The total BTEX content results for SP1 were 4.72 mg/Kg at 1', 2.28 mg/Kg at 2', and 2.27 mg/Kg at 3'. At SP2, total BTEX results were 3.66 mg/Kg at 1', 1.78 mg/Kg at 2', 2.71 mg/Kg at 3', and 1.76 mg/Kg at 4'. All BTEX results for SP3 were below reporting limits. The results for chloride content at SP1 were 1,460 mg/Kg at 1', 1,420 mg/Kg at 2', 1,440 mg/Kg at 3', 1,650 mg/Kg at 6', 2,520 mg/Kg at 9', and 2,160 mg/Kg at 12'. Chloride content results for SP2 were 1,540 mg/Kg at 1', 1,380 mg/Kg at 2', 1,520 mg/Kg at 3', 1,810 mg/Kg at 4', 2,040 mg/Kg at 7', and 2,560 mg/Kg at 9'. At SP3, chloride content results were 2,240 mg/Kg at 1', 1,720 mg/Kg at 2', 1,920 mg/Kg at 3', and 2,640 mg/Kg at 5'.

5'. The TPH results for GRO were below reporting limits for all the samples except SP1 at 2', which had a result of 13 mg/Kg. The TPH results for DRO at SP1 were 1,360 mg/Kg at 1', 520 mg/Kg at 2', and 702 mg/Kg at 3'. At SP2, DRO results were 891 mg/Kg at 1', 244 mg/Kg at 2', 462 mg/Kg at 3', and 269 mg/Kg at 4'. And, at SP3, DRO results were 62.7 mg/Kg at 1', 33.1 mg/Kg at 2', and 18.4 mg/Kg at 3'.

Upon review of the initial analytical results, it was determined that additional sampling would need to be completed at all three sample points. Therefore, on December 20, 2013, using a backhoe, additional samples were conducted at 14 feet, 16 feet, and 18 feet at SP1; at 11 feet, 13 feet, 16 feet, and 18 feet at SP2; and at 7 feet at SP3. The samples were taken to Cardinal Laboratories for chloride content analysis, except for SP1 at 14 feet, which was also tested for BTEX and TPH. The BTEX and TPH results for SP1 at 14 feet were all below reporting limits. The results of the chloride content at SP1 were 3,600 mg/Kg at 14', 2,800 mg/Kg at 16', and 2,800 mg/Kg at 18'. At SP2, chloride content was 3,600 mg/Kg at 11', 3,040 mg/Kg at 13', 2,440 mg/Kg at 16', and 2,120 mg/Kg at 18'. And, at SP3, the chloride result at 7' was 112 mg/Kg.

Once these results were received, it was determined that soil borings would need to be drilled to determine the bottom of contamination. Therefore, one soil boring was drilled near SP1 and samples were taken at depths of 20 feet, 30 feet, 40 feet, 50 feet, 60 feet, and 65 feet. The samples were taken to Cardinal Laboratories and analyzed for chloride content. The results for the chloride content at SB1 were 1,960 mg/Kg at 20', 2,480 mg/Kg at 30', 1,730 mg/Kg at 40', 2,840 mg/Kg at 50', 640 mg/Kg at 60', and 496 mg/Kg at 65'.

The results of the analysis are located in Appendix II of this report. The sample point and soil boring locations can be viewed on the site diagram in Appendix I of this report.

3.0 CONCLUSION AND RECOMMENDATION

On April 1, 2014, Cliff Brunson with BBC International met with Mike Bratcher of NMOCD to discuss the proposed remediation plan for this site. Mike Bratcher approved the plan during the meeting and the correspondence correlating this conversation can be located in Appendix IV of this report.

In accordance with the approved remediation plan, excavation was completed by removing the impacted soil to a depth of 3 feet across the entire leak site. Then, a compacted clay liner was installed and the entire site was backfilled with clean soil.

Thus, BBC International requests closure of this site since all remediation activities have been completed as described in the approved plan. Also, a final C-141 is located in Appendix III of this report.

APPENDIX I

Site Diagram

November 2013

Westall A State #1 Tank Battery (10/25/2013)

Unit J, Section 36, Township 17 South, Range 29 East
Eddy County, NM
GPS: N 32.78817° W 104.02323°

Prepared for:
COG Operating LLC
Midland, Texas

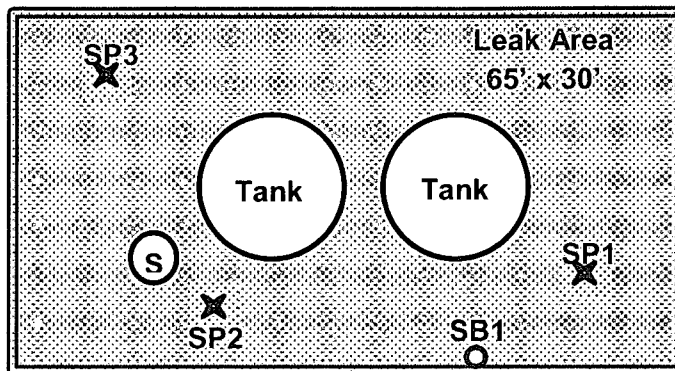
Prepared by:
BBC International, Inc.



COG

Westall A State #1 Tank Battery

Road



Stake

Road

Location Pad

U/L J, Section 36, T17S, R29E
1650'FSL and 1650'FEL
Eddy County, NM
N 32.78817° W 104.02323° at stake
API# 30-015-03798 (nearest well)

BBC International, Inc.

COG

Westall A State #1 Tank Battery

Date: 11/07/2013

DRWG by: K. Purvis

NOT TO SCALE

File: COG 2013



Groundwater Plot

COG Westall A State #1 Tank Battery

County
Eddy

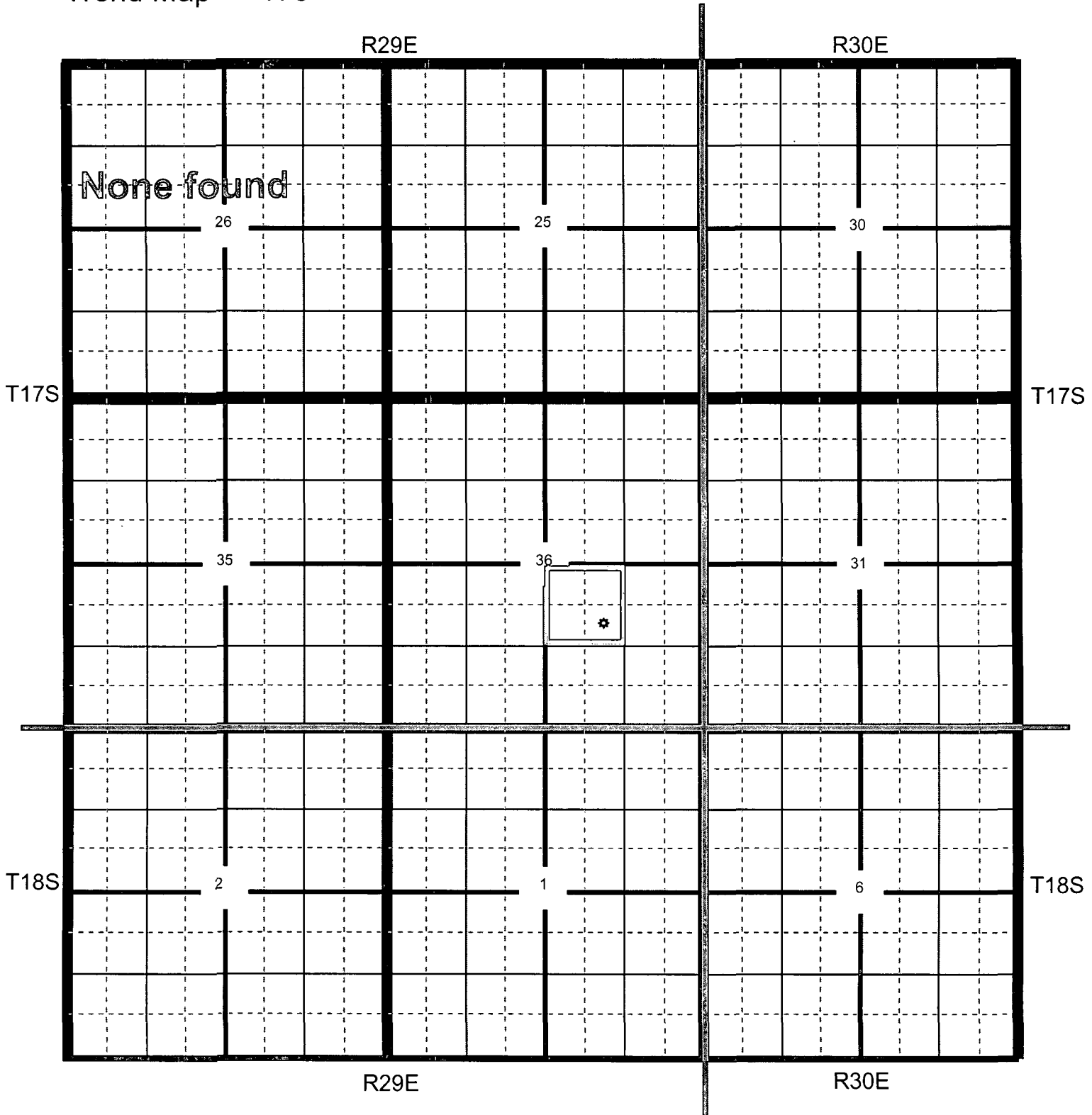
Unit Letter
J

Section
36

Township
17S

Range
29E

Trend Map 175'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases

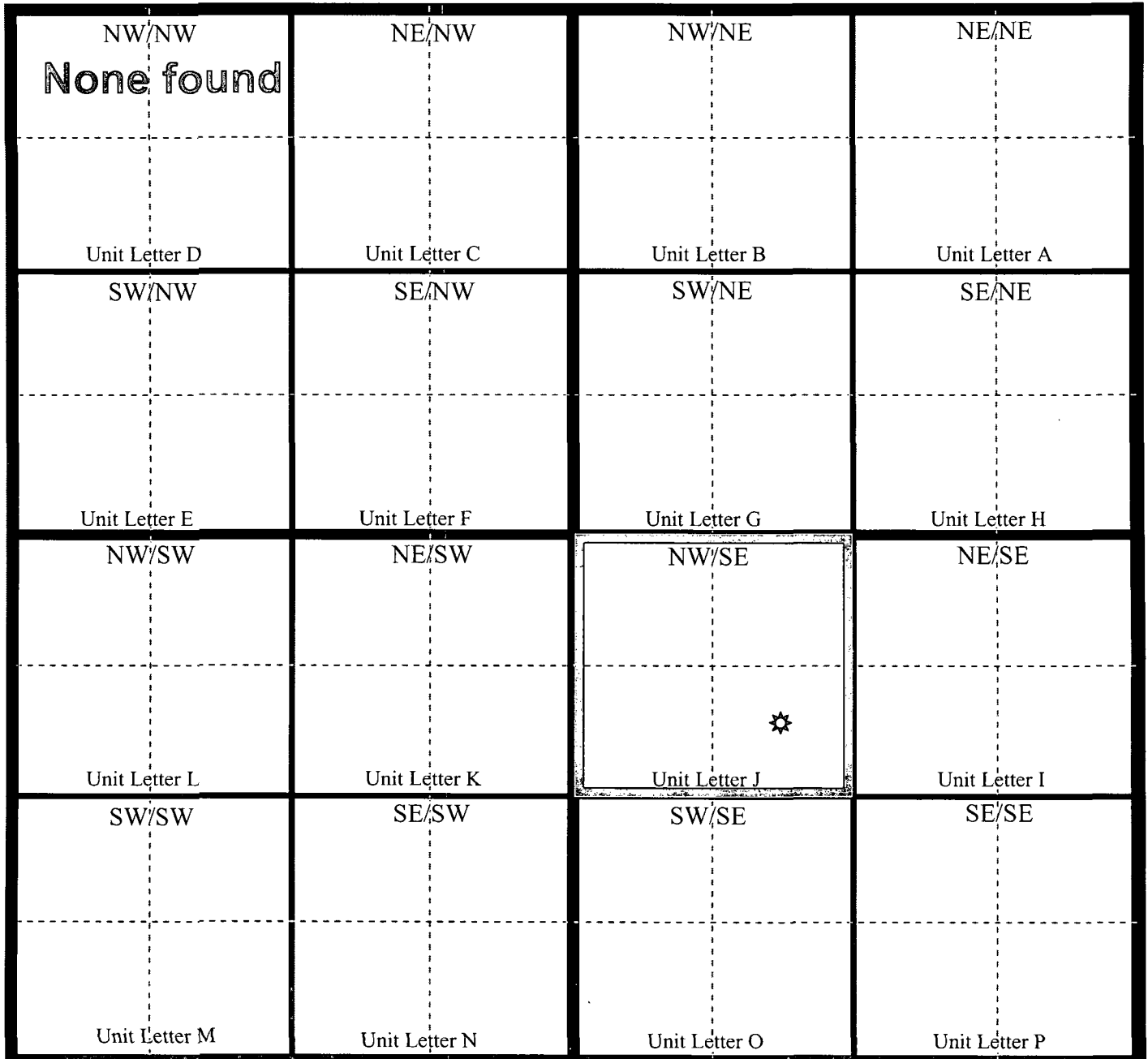
COG Westall A State #1 Tank Battery

County Eddy Unit Letter J Section 36 Township 17S Range 29E

Trend Map 175'

1

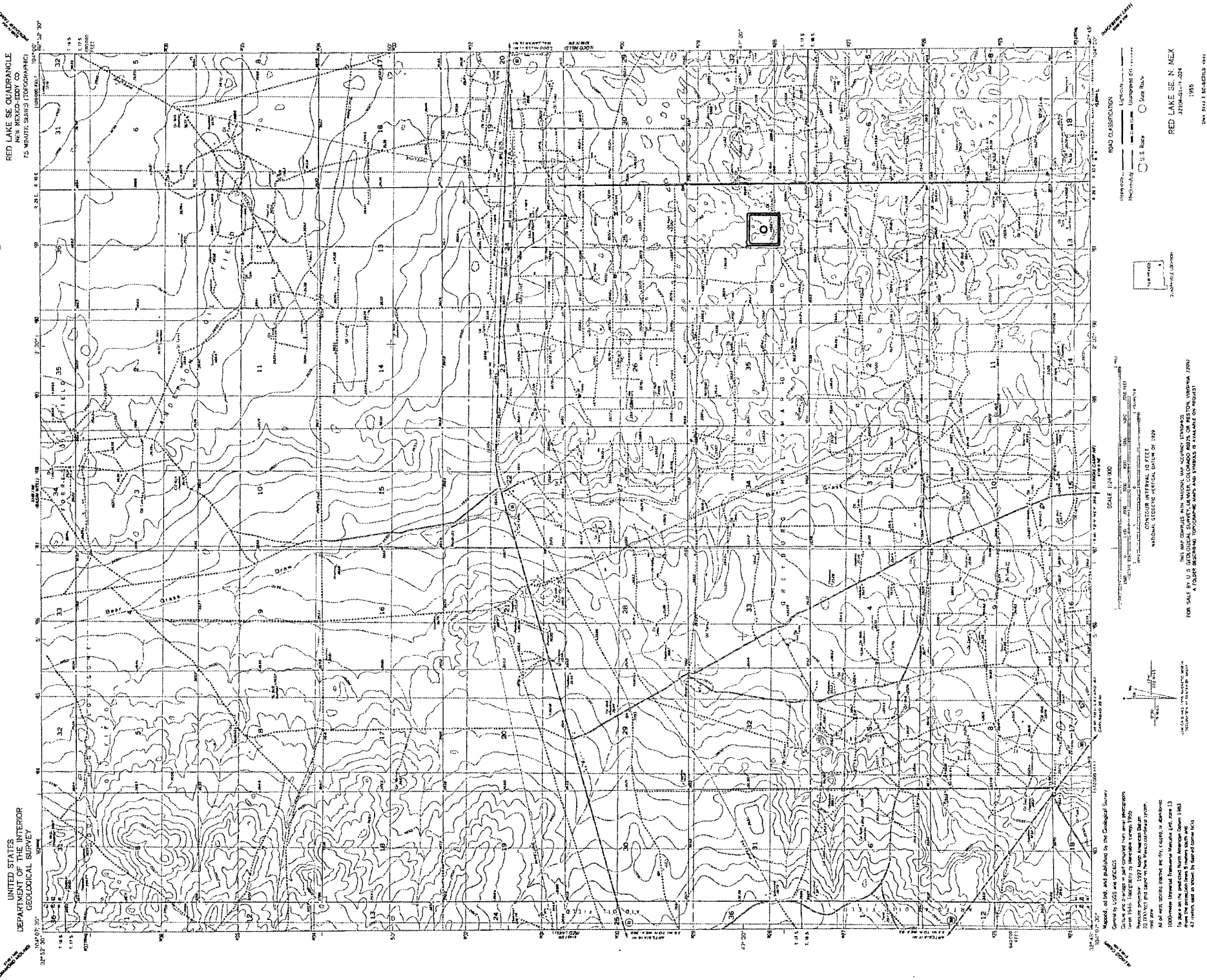
2

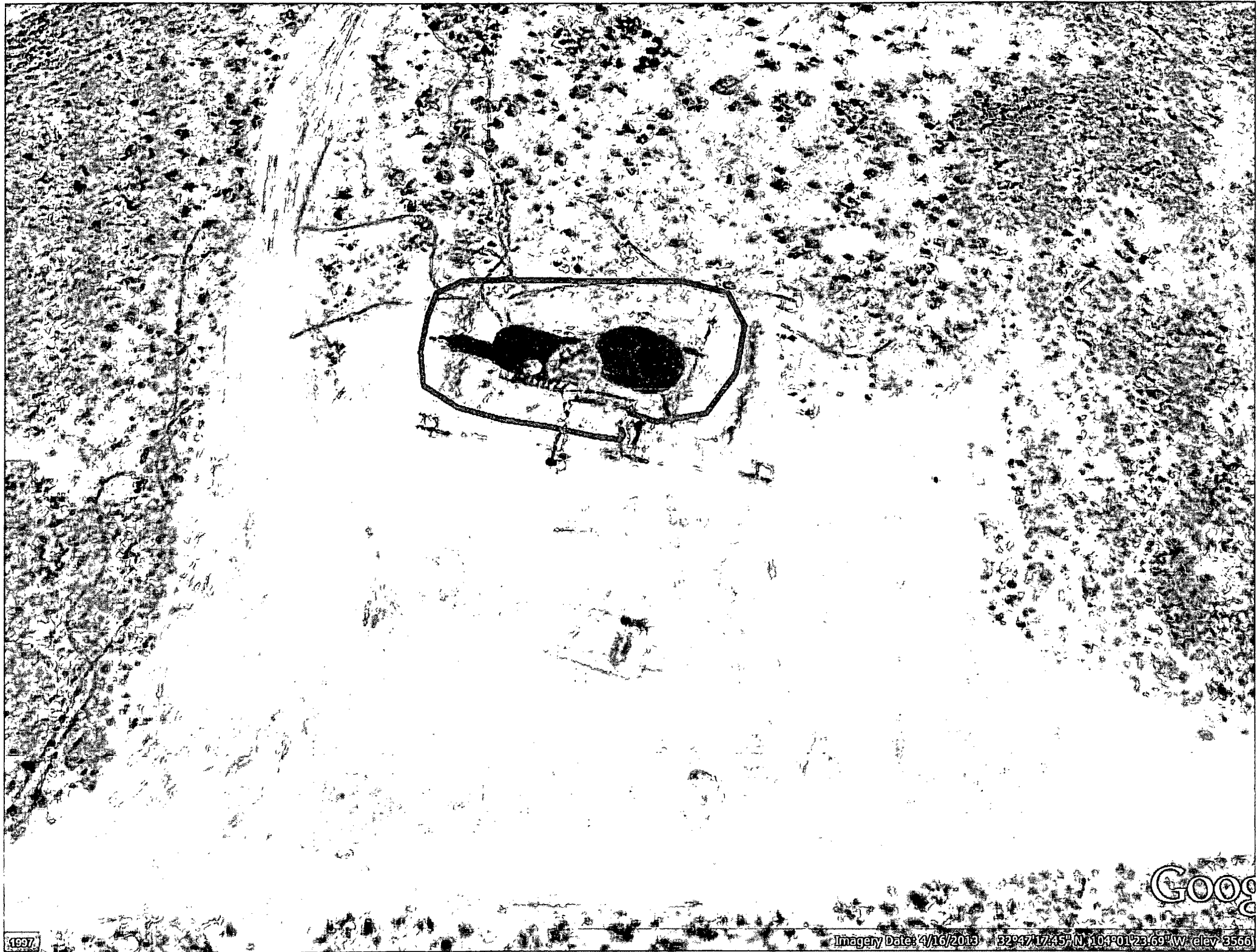


3

4

Westall A State #1 Tank Battery





APPENDIX II

Laboratory Analytical Results

November 2013, December 2013, and March 2014

Westall A State #1 Tank Battery (10/25/2013)

Unit J, Section 36, Township 17 South, Range 29 East
Eddy County, NM
GPS: N 32.78817° W 104.02323°

Prepared for:
COG Operating LLC
Midland, Texas

Prepared by:
BBC International, Inc.

**Laboratory Analytical Results Summary
COG, Westall A State #1 Tank Battery**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 6'	SP1 @ 9'	SP1 @ 12'	SP1 @ 14'	SP1 @ 16'	SP1 @ 18'
Analyte	Method	Date	11/19/13	11/19/13	11/19/13	11/19/13	11/19/13	11/19/13	12/20/13	12/20/13	12/20/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A	N/A	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.599	0.21	0.234	N/A	N/A	N/A	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		1.48	0.717	0.716	N/A	N/A	N/A	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		2.64	1.36	1.32	N/A	N/A	N/A	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		4.72	2.28	2.27	N/A	N/A	N/A	<0.300	N/A	N/A
Chloride	SM4500Cl-B		1460	1420	1440	1650	2520	2160	3600	2800	2800
GRO	TPH 8015M		<100	13	<100	N/A	N/A	N/A	<10.0	N/A	N/A
DRO	TPH 8015M		1360	520	702	N/A	N/A	N/A	<10.0	N/A	N/A

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 7'	SP2 @ 9'	SP2 @ 11'	SP2 @ 13'	SP2 @ 16'	SP2 @ 18'
Analyte	Method	Date	11/19/13	11/19/13	11/19/13	11/19/13	11/20/13	11/20/13	12/20/13	12/20/13	12/20/13	12/20/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A	N/A	N/A	N/A	N/A
Toluene	BTEX 8021B		0.359	0.128	0.249	0.143	N/A	N/A	N/A	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B		1.14	0.556	0.851	0.551	N/A	N/A	N/A	N/A	N/A	N/A
Total Xylenes	BTEX 8021B		2.16	1.1	1.61	1.07	N/A	N/A	N/A	N/A	N/A	N/A
Total BTEX	BTEX 8021B		3.66	1.78	2.71	1.76	N/A	N/A	N/A	N/A	N/A	N/A
Chloride	SM4500Cl-B		1540	1380	1520	1810	2040	2560	3600	3040	2440	2120
GRO	TPH 8015M		<100	<50.0	<50.0	<50.0	N/A	N/A	N/A	N/A	N/A	N/A
DRO	TPH 8015M		891	244	462	269	N/A	N/A	N/A	N/A	N/A	N/A

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 5'	SP3 @ 7'
Analyte	Method	Date	11/20/13	11/20/13	11/20/13	11/20/13	12/20/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		2240	1720	1920	2640	112
GRO	TPH 8015M		<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		62.7	33.1	18.4	N/A	N/A

**Laboratory Analytical Results Summary
Westall A State #1 Tank Battery**

		Sample	SB1 @ 20'	SB1 @ 30'	SB1 @ 40'	SB1 @ 50'	SB1 @ 60'	SB1 @ 65'
Analyte	Method	Date	3/21/14	3/21/14	3/21/14	3/21/14	3/21/14	3/21/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		1960	2480	1730	2840	640	496

December 04, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WESTAL A STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/26/13 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

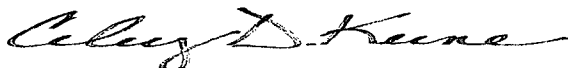
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,



Caley D. Keene

Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

 Received: 11/26/2013
 Reported: 12/04/2013
 Project Name: WESTAL A STATE BATTERY
 Project Number: NONE GIVEN
 Project Location: LOCO HILLS, NM

 Sampling Date: 11/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Amanda Ponce

Sample ID: SP 1 @ 1 FT (H302886-01)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	1.60	
Toluene*	0.599	0.050	11/27/2013	ND	2.12	106	2.00	2.36	
Ethylbenzene*	1.48	0.050	11/27/2013	ND	2.09	104	2.00	2.91	
Total Xylenes*	2.64	0.150	11/27/2013	ND	6.14	102	6.00	2.88	
Total BTEX	4.72	0.300	11/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 150 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	12/02/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	11/27/2013	ND	225	112	200	1.52	
DRO >C10-C28	1360	100	11/27/2013	ND	216	108	200	3.15	

Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 151 % 63.6-154

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 11/26/2013
Reported: 12/04/2013
Project Name: WESTAL A STATE BATTERY
Project Number: NONE GIVEN
Project Location: LOCO HILLS, NM

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Amanda Ponce

Sample ID: SP 1 @ 2 FT (H302886-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	1.60	
Toluene*	0.210	0.050	11/27/2013	ND	2.12	106	2.00	2.36	
Ethylbenzene*	0.717	0.050	11/27/2013	ND	2.09	104	2.00	2.91	
Total Xylenes*	1.36	0.150	11/27/2013	ND	6.14	102	6.00	2.88	
Total BTEX	2.28	0.300	11/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 119 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	12/02/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13.0	10.0	11/27/2013	ND	225	112	200	1.52	
DRO >C10-C28	520	10.0	11/27/2013	ND	216	108	200	3.15	

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

 Received: 11/26/2013
 Reported: 12/04/2013
 Project Name: WESTAL A STATE BATTERY
 Project Number: NONE GIVEN
 Project Location: LOCO HILLS, NM

 Sampling Date: 11/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Amanda Ponce

Sample ID: SP 1 @ 3 FT (H302886-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	1.60	
Toluene*	0.234	0.050	11/27/2013	ND	2.12	106	2.00	2.36	
Ethylbenzene*	0.716	0.050	11/27/2013	ND	2.09	104	2.00	2.91	
Total Xylenes*	1.32	0.150	11/27/2013	ND	6.14	102	6.00	2.88	
Total BTEX	2.27	0.300	11/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	12/02/2013	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	11/27/2013	ND	225	112	200	1.52	
DRO >C10-C28	702	100	11/27/2013	ND	216	108	200	3.15	

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 63.6-154

Sample ID: SP 1 @ 6 FT (H302886-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1650	16.0	12/02/2013	ND	432	108	400	3.77		

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 11/26/2013
Reported: 12/04/2013
Project Name: WESTAL A STATE BATTERY
Project Number: NONE GIVEN
Project Location: LOCO HILLS, NM

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Amanda Ponce

Sample ID: SP 1 @ 9 FT (H302886-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	12/02/2013	ND	432	108	400	3.77		

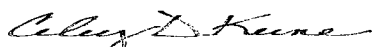
Sample ID: SP 1 @ 12 FT (H302886-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	12/02/2013	ND	432	108	400	3.77		

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 11/26/2013
Reported: 12/04/2013
Project Name: WESTAL A STATE BATTERY
Project Number: NONE GIVEN
Project Location: LOCO HILLS, NM

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Amanda Ponce

Sample ID: SP 2 @ 1 FT (H302886-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	1.60	
Toluene*	0.359	0.050	11/27/2013	ND	2.12	106	2.00	2.36	
Ethylbenzene*	1.14	0.050	11/27/2013	ND	2.09	104	2.00	2.91	
Total Xylenes*	2.16	0.150	11/27/2013	ND	6.14	102	6.00	2.88	
Total BTEX	3.66	0.300	11/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 124 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	12/02/2013	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

 Received: 11/26/2013
 Reported: 12/04/2013
 Project Name: WESTAL A STATE BATTERY
 Project Number: NONE GIVEN
 Project Location: LOCO HILLS, NM

 Sampling Date: 11/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Amanda Ponce

Sample ID: SP 2 @ 2 FT (H302886-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	1.60	
Toluene*	0.128	0.050	11/27/2013	ND	2.12	106	2.00	2.36	
Ethylbenzene*	0.556	0.050	11/27/2013	ND	2.09	104	2.00	2.91	
Total Xylenes*	1.10	0.150	11/27/2013	ND	6.14	102	6.00	2.88	
Total BTEX	1.78	0.300	11/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	12/04/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	11/27/2013	ND	225	112	200	1.52	
DRO >C10-C28	244	50.0	11/27/2013	ND	216	108	200	3.15	

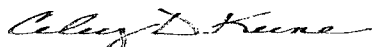
Surrogate: 1-Chlorooctane 94.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 11/26/2013
Reported: 12/04/2013
Project Name: WESTAL A STATE BATTERY
Project Number: NONE GIVEN
Project Location: LOCO HILLS, NM

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Amanda Ponce

Sample ID: SP 2 @ 3 FT (H302886-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	1.60	
Toluene*	0.249	0.050	11/27/2013	ND	2.12	106	2.00	2.36	
Ethylbenzene*	0.851	0.050	11/27/2013	ND	2.09	104	2.00	2.91	
Total Xylenes*	1.61	0.150	11/27/2013	ND	6.14	102	6.00	2.88	
Total BTEX	2.71	0.300	11/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 115 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	12/04/2013	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					

Surrogate: 1-Chlorooctane 76.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 11/26/2013
Reported: 12/04/2013
Project Name: WESTAL A STATE BATTERY
Project Number: NONE GIVEN
Project Location: LOCO HILLS, NM

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Amanda Ponce

Sample ID: SP 2 @ 4 FT (H302886-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	1.60	
Toluene*	0.143	0.050	11/27/2013	ND	2.12	106	2.00	2.36	
Ethylbenzene*	0.551	0.050	11/27/2013	ND	2.09	104	2.00	2.91	
Total Xylenes*	1.07	0.150	11/27/2013	ND	6.14	102	6.00	2.88	
Total BTEX	1.76	0.300	11/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1810	16.0	12/04/2013	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					

Surrogate: 1-Chlorooctane 75.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.6 % 63.6-154

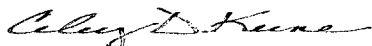
Sample ID: SP 2 @ 7 FT (H302886-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	12/04/2013	ND	400	100	400	3.92	

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	11/26/2013	Sampling Date:	11/20/2013
Reported:	12/04/2013	Sampling Type:	Soil
Project Name:	WESTAL A STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 9 FT (H302886-12)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	12/04/2013	ND	400	100	400	3.92	

Sample ID: SP 3 @ 1 FT (H302886-13)

BTX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	2.36	
Ethylbenzene*	<0.050	0.050	11/27/2013	ND	2.09	104	2.00	2.91	
Total Xylenes*	<0.150	0.150	11/27/2013	ND	6.14	102	6.00	2.88	
Total BTX	<0.300	0.300	11/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	12/04/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/27/2013	ND	205	102	200	10.5	
DRO >C10-C28	62.7	10.0	11/27/2013	ND	202	101	200	13.7	

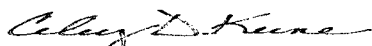
Surrogate: 1-Chlorooctane 73.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.6 % 63.6-154

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 11/26/2013
Reported: 12/04/2013
Project Name: WESTAL A STATE BATTERY
Project Number: NONE GIVEN
Project Location: LOCO HILLS, NM

Sampling Date: 11/20/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Amanda Ponce

Sample ID: SP 3 @ 2 FT (H302886-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	2.36	
Ethylbenzene*	<0.050	0.050	11/27/2013	ND	2.09	104	2.00	2.91	
Total Xylenes*	<0.150	0.150	11/27/2013	ND	6.14	102	6.00	2.88	
Total BTEX	<0.300	0.300	11/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	12/04/2013	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/27/2013	ND	205	102	200	10.5	
DRO >C10-C28	33.1	10.0	11/27/2013	ND	202	101	200	13.7	

Surrogate: 1-Chlorooctane 78.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.0 % 63.6-154

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 11/26/2013
Reported: 12/04/2013
Project Name: WESTAL A STATE BATTERY
Project Number: NONE GIVEN
Project Location: LOCO HILLS, NM

Sampling Date: 11/20/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Amanda Ponce

Sample ID: SP 3 @ 3 FT (H302886-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	11/27/2013	ND	2.12	106	2.00	2.36	
Ethylbenzene*	<0.050	0.050	11/27/2013	ND	2.09	104	2.00	2.91	
Total Xylenes*	<0.150	0.150	11/27/2013	ND	6.14	102	6.00	2.88	
Total BTEX	<0.300	0.300	11/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 112 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	12/04/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/27/2013	ND	205	102	200	10.5	
DRO >C10-C28	18.4	10.0	11/27/2013	ND	202	101	200	13.7	

Surrogate: 1-Chlorooctane 95.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.5 % 63.6-154

Sample ID: SP 3 @ 5 FT (H302886-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	12/04/2013	ND	400	100	400	3.92	

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.



Celey D. Keene, Lab Director/Quality Manager

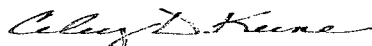
Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by 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 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.



Celest D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10f2

Page 14 of 15

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:															
Address: P.O. Box 805				Company:															
City: Hobbs		State: NM Zip: 88241		Attn: <i>SA ME</i>															
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:															
Project #:		Project Owner:		City:															
Project Name: <i>West A State Battery</i>				State: Zip:															
Project Location: <i>Loco Hills</i>				Phone #:															
Sampler Name: <i>Gary Ray</i>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV	SAMPLING		<i>CL</i> <i>TPH</i> <i>BTEX</i>								
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:						ICE / COOL	OTHER:	DATE	TIME
H302886																			
1	<i>Sp1 @ 1ft</i> ✓	<i>6</i>	<i>1</i>			<i>X</i>				<i>X</i>								<i>11/19/13</i>	<i>9:20</i>
2	<i>Sp1 @ 2ft</i> ✓	<i>6</i>	<i>1</i>			<i>X</i>				<i>X</i>								<i>11/19/13</i>	<i>9:33</i>
3	<i>Sp1 @ 3ft</i> ✓	<i>6</i>	<i>1</i>			<i>X</i>				<i>X</i>								<i>11/19/13</i>	<i>9:50</i>
4	<i>Sp1 @ 4ft</i> ✓	<i>6</i>	<i>1</i>			<i>X</i>				<i>X</i>								<i>11/19/13</i>	<i>10:30</i>
5	<i>Sp1 @ 9ft</i> ✓	<i>6</i>	<i>1</i>			<i>X</i>				<i>X</i>								<i>11/19/13</i>	<i>11:05</i>
6	<i>Sp1 @ 12ft</i> ✓	<i>6</i>	<i>1</i>			<i>X</i>				<i>X</i>								<i>11/19/13</i>	<i>11:55</i>
7	<i>Sp2 @ 1ft</i> ✓	<i>6</i>	<i>1</i>			<i>X</i>				<i>X</i>								<i>11/19/13</i>	<i>12:38</i>
8	<i>Sp2 @ 2ft</i> ✓	<i>6</i>	<i>1</i>			<i>X</i>				<i>X</i>			<i>11/19/13</i>	<i>1:50</i>					
9	<i>Sp2 @ 3ft</i> ✓	<i>6</i>	<i>1</i>			<i>X</i>				<i>X</i>			<i>11/19/13</i>	<i>2:10</i>					
10	<i>Sp2 @ 4ft</i> ✓	<i>6</i>	<i>1</i>			<i>X</i>				<i>X</i>			<i>11/19/13</i>	<i>2:38</i>					

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>[Signature]</i>	Date: <i>11/20/13</i> Time: <i>5:00</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date: <i>11/20/13</i> Time: <i>9:00am</i>	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>4.7 CITS</i>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: <i>[Signature]</i>	
REMARKS:				

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



Page 15 of 15

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

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

January 02, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WESTAL

Enclosed are the results of analyses for samples received by the laboratory on 12/23/13 16:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

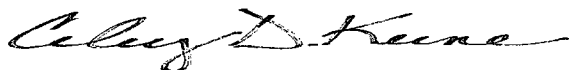
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 12/23/2013
Reported: 01/02/2014
Project Name: WESTAL
Project Number: NONE GIVEN
Project Location: LOCO HILLS, NM

Sampling Date: 12/20/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 14 FT (H303119-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/30/2013	ND	1.77	88.5	2.00	3.75	
Toluene*	<0.050	0.050	12/30/2013	ND	1.76	87.9	2.00	3.39	
Ethylbenzene*	<0.050	0.050	12/30/2013	ND	1.73	86.5	2.00	3.04	
Total Xylenes*	<0.150	0.150	12/30/2013	ND	5.08	84.6	6.00	2.87	
Total BTEX	<0.300	0.300	12/30/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	01/02/2014	ND	400	100	400	3.92	
TPH 8015M	mg/kg		Analyzed By: ms						

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	12/27/2013	ND	189	94.6	200	5.41	
DRO >C10-C28	<10.0	10.0	12/27/2013	ND	184	91.9	200	10.3	

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

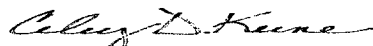
Sample ID: SP 1 @ 16 FT (H303119-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	01/02/2014	ND	400	100	400	3.92	

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 12/23/2013
Reported: 01/02/2014
Project Name: WESTAL
Project Number: NONE GIVEN
Project Location: LOCO HILLS, NM

Sampling Date: 12/20/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 18 FT (H303119-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	01/02/2014	ND	400	100	400	3.92	

Sample ID: SP 2 @ 11 FT (H303119-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	01/02/2014	ND	400	100	400	3.92		

Sample ID: SP 2 @ 13 FT (H303119-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	01/02/2014	ND	400	100	400	3.92	

Sample ID: SP 2 @ 16 FT (H303119-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	01/02/2014	ND	400	100	400	3.92	

Sample ID: SP 2 @ 18 FT (H303119-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	01/02/2014	ND	400	100	400	3.92		

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 12/23/2013
Reported: 01/02/2014
Project Name: WESTAL
Project Number: NONE GIVEN
Project Location: LOCO HILLS, NM

Sampling Date: 12/20/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

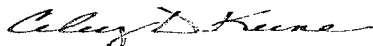
Sample ID: SP 3 @ 7 FT (H303119-08)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/02/2014	ND	400	100	400	3.92	

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.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°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 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, Lab Director/Quality Manager

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																																																																																																																																																			
Project Manager: Cliff Brunson		P.O. #:		<div style="display: flex; justify-content: space-around; font-size: 2em;"> CL TPH B-TEX </div>																																																																																																																																																			
Address: P.O. Box 805		Company:																																																																																																																																																					
City: Hobbs State: NM Zip: 88241		Attn:																																																																																																																																																					
Phone #: 575-397-6388 Fax #: 575-397-0397		Address: <i>Same</i>																																																																																																																																																					
Project #: Project Owner: <i>COG</i>		City: <i>Same</i>																																																																																																																																																					
Project Name: <i>Westal</i>		State: Zip:																																																																																																																																																					
Project Location: <i>Loco Hills</i>		Phone #:																																																																																																																																																					
Sampler Name: <i>Gary Ray</i>		Fax #:																																																																																																																																																					
<table border="1"> <thead> <tr> <th colspan="2">FOR LAB USE ONLY</th> <th rowspan="2">G/RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="5">MATRIX</th> <th colspan="2">PRESERV.</th> <th colspan="2">SAMPLING</th> </tr> <tr> <th>Lab I.D.</th> <th>Sample I.D.</th> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER:</th> <th>ACID/BASE:</th> <th>ICE / COOL</th> <th>OTHER:</th> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td>H303119</td> <td>1 SP2 @ 14 Ft</td> <td>G</td> <td>2</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>12-20-13</td> <td>9:15</td> </tr> <tr> <td></td> <td>2 SP2 @ 16 Ft</td> <td>G</td> <td>2</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>12-20-13</td> <td>10:00</td> </tr> <tr> <td></td> <td>3 SP2 @ 18 Ft</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>12-20-13</td> <td>10:28</td> </tr> <tr> <td></td> <td>4 SP2 @ 11 Ft</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>12-20-13</td> <td>10:55</td> </tr> <tr> <td></td> <td>5 SP2 @ 13 Ft</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>12-20-13</td> <td>11:30</td> </tr> <tr> <td></td> <td>6 SP2 @ 16 Ft</td> <td>G</td> <td>2</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>12-20-13</td> <td>12:15</td> </tr> <tr> <td></td> <td>7 SP2 @ 18 Ft</td> <td>G</td> <td>2</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>12-20-13</td> <td>12:38</td> </tr> <tr> <td></td> <td>8 SP3 @ 7 Ft</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>12-20-13</td> <td>1:15</td> </tr> </tbody> </table>														FOR LAB USE ONLY		G/RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		Lab I.D.	Sample I.D.	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	H303119	1 SP2 @ 14 Ft	G	2			X				X		12-20-13	9:15		2 SP2 @ 16 Ft	G	2			X				X		12-20-13	10:00		3 SP2 @ 18 Ft	G	1			X				X		12-20-13	10:28		4 SP2 @ 11 Ft	G	1			X				X		12-20-13	10:55		5 SP2 @ 13 Ft	G	1			X				X		12-20-13	11:30		6 SP2 @ 16 Ft	G	2			X				X		12-20-13	12:15		7 SP2 @ 18 Ft	G	2			X				X		12-20-13	12:38		8 SP3 @ 7 Ft	G	1			X				X		12-20-13	1:15
FOR LAB USE ONLY		G/RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING																																																																																																																																												
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME																																																																																																																																									
H303119	1 SP2 @ 14 Ft	G	2			X				X		12-20-13	9:15																																																																																																																																										
	2 SP2 @ 16 Ft	G	2			X				X		12-20-13	10:00																																																																																																																																										
	3 SP2 @ 18 Ft	G	1			X				X		12-20-13	10:28																																																																																																																																										
	4 SP2 @ 11 Ft	G	1			X				X		12-20-13	10:55																																																																																																																																										
	5 SP2 @ 13 Ft	G	1			X				X		12-20-13	11:30																																																																																																																																										
	6 SP2 @ 16 Ft	G	2			X				X		12-20-13	12:15																																																																																																																																										
	7 SP2 @ 18 Ft	G	2			X				X		12-20-13	12:38																																																																																																																																										
	8 SP3 @ 7 Ft	G	1			X				X		12-20-13	1:15																																																																																																																																										

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 12/23/13 Time: 4:59	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>4.60</i>			REMARKS:	
Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			CHECKED BY: 	

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

#54

March 28, 2014

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: WESTALL A STATE #1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/24/14 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

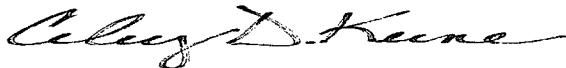
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	03/24/2014	Sampling Date:	03/21/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	WESTALL A STATE #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SB 1 @ 20' (H400868-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	03/26/2014	ND	416	104	400	3.77		

Sample ID: SB 1 @ 30' (H400868-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	03/26/2014	ND	416	104	400	3.77	

Sample ID: SB 1 @ 40' (H400868-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1730	16.0	03/26/2014	ND	416	104	400	3.77	

Sample ID: SB 1 @ 50' (H400868-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	03/26/2014	ND	416	104	400	3.77	

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	03/24/2014	Sampling Date:	03/21/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	WESTALL A STATE #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SB 1 @ 60' (H400868-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	03/26/2014	ND	416	104	400	3.77		

Sample ID: SB 1 @ 65' (H400868-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/26/2014	ND	416	104	400	3.77		

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.



Celey D. Keene, Lab Director/Quality Manager

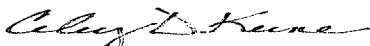
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°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 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, Lab Director/Quality Manager

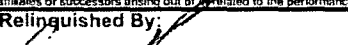
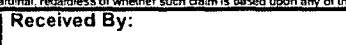
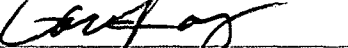
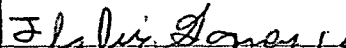
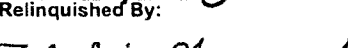



(505) 393-2326 FAX (505) 393-2476

1 of

Page 5 of 5

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 	Date: 3/21/14 Time: 4:30pm	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: Add'l Fax #:
Relinquished By: 	Date: Time:	Received By: 	REMARKS:	
Delivered By: (Circle One) 	5.2°C	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY:  (Initials)	
Sampler - UPS - Bus - Other:				

† Cardinal cannot accept verbal changes. Please fax written changes to 505-398-2476

#54

APPENDIX III

C-141

October 2013 and June 2014

Westall A State #1 Tank Battery (10/25/2013)

Unit J, Section 36, Township 17 South, Range 29 East
Eddy County, NM
GPS: N 32.78817° W 104.02323°

Prepared for:
COG Operating LLC
Midland, Texas

Prepared by:
BBC International, Inc.

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report


Name of Company	COG OPERATING LLC	Contact	Robert McNeill
Address	600 West Illinois Avenue, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	Westall A State #1	Facility Type	Tank Battery
Surface Owner	State	Mineral Owner	Lease No. (API#) 30-015-03798

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	36	17S	29E					Eddy

Latitude 32.78815 Longitude 104.02333

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	20bbls	Volume Recovered	15bbls
Source of Release	Tank Battery	Date and Hour of Occurrence	10-25-2013	Date and Hour of Discovery	10-25-2013 10:24am
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Date and Hour				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*		NM OIL CONSERVATION			
Describe Cause of Problem and Remedial Action Taken.*		ARTESIA DISTRICT			
A 4" valve separated at thread seam on the production tank. Replaced the 4" valve.		JUN 06 2014			
Describe Area Affected and Cleanup Action Taken.*		RECEIVED			
Initially 20bbls of oil were released due to a 4" valve that failed on the production inside the tank battery. We were able to recover 15bbls of oil with a vacuum truck. The spill was contained inside the Tank Battery. All free fluid has been recovered. BBC will sample the spill site area to delineate any possible contamination from the release and we will present a work plan to the NMOCD for approval prior to any significant remediation work.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Signature: 		OIL CONSERVATION DIVISION			
Printed Name: Robert Grubbs Jr.		Approved by District Supervisor:			
Title: Senior Environmental Coordinator		Approval Date:		Expiration Date:	
E-mail Address: rgrubbs@concho.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 10-30-2013 Phone: 432-661-6601					

* Attach Additional Sheets If Necessary

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	COG OPERATING LLC	Contact	Pat Ellis
Address	600 West Illinois Avenue, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	Westall A State #1	Facility Type	Tank Battery

Surface Owner	State	Mineral Owner	API No. 30-015-03798
---------------	-------	---------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	36	17S	29E					Eddy

Latitude N 32.78815° Longitude W 104.02333°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	20 bbls	Volume Recovered	15 bbls
Source of Release	Tank Battery	Date and Hour of Occurrence	10/25/2013	Date and Hour of Discovery	10/25/2013 @10:24 am
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

a Watercourse was Impacted, Describe Fully.*

NM OIL CONSERVATION
ARTESIA DISTRICT

Describe Cause of Problem and Remedial Action Taken.*

JUN 06 2014

A 4" valve separated at thread seam on the production tank. Replaced the 4" valve.

RECEIVED

Describe Area Affected and Cleanup Action Taken.*

Initially 20 bbls of oil were released due to a 4" valve that failed on the production inside the tank battery. We were able to recover 15 bbls of oil with a vacuum truck. The spill was contained inside the tank battery. All free fluid has been recovered. BBC International completed remediation in accordance with the remediation plan approved by Mike Bratcher of NMOCD on April 1, 2014.

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: Robert Grubbs Jr.

Approved by Environmental Specialist:

Title: Senior Environmental Coordinator

Approval Date:

Expiration Date:

E-mail Address: rgrubbs@concho.com

Conditions of Approval:

Attached ☐

Date: 06-05-2014

Phone: (432) 661-6601

* Attach Additional Sheets If Necessary

APPENDIX IV

Correspondence

April 2014

Westall A State #1 Tank Battery (10/25/2013)

Unit J, Section 36, Township 17 South, Range 29 East
Eddy County, NM

GPS: N 32.78817° W 104.02323°

Prepared for:

COG Operating LLC
Midland, Texas

Prepared by:

BBC International, Inc.

Jennifer Gilkey

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Sunday, April 06, 2014 4:50 PM
To: Mike Bratcher
Cc: Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: COG (Concho)-Westall A State #1 Tank Battery-Remediation Plan
Attachments: Remediation Packet.pdf

Mike,

This e-mail is to confirm our conversation on April 1, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, COG (Concho) will excavate to a depth of 3 feet in the entire leak area that is depicted on the attached site diagram. Then a compacted clay liner will be installed and the site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.
