

## Leking, Geoffrey R, EMNRD

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**From:** Leking, Geoffrey R, EMNRD  
**Sent:** Friday, November 30, 2012 8:47 AM  
**To:** 'Cliff P. Brunson'  
**Cc:** Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: Oxy-State CL Battery

Cliff

Per the meeting of November 28, 2012, the OCD approves the path forward as stated below in your email of November 28, 2012 RE: OXY State CL Battery. Thank you.

Geoffrey Leking  
Environmental Specialist  
NMOCD-Hobbs  
1625 N. French Drive  
Hobbs, NM 88240  
Office: (575) 393-6161 Ext. 113  
Cell: (575) 399-2990  
email: [geoffreyr.leking@state.nm.us](mailto:geoffreyr.leking@state.nm.us)

---

**From:** Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Wednesday, November 28, 2012 5:24 PM  
**To:** Leking, Geoffrey R, EMNRD  
**Cc:** Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Oxy-State CL Battery

Geoff,

This message is to confirm our discussion on November 28, 2012 concerning the remediation plan for the Oxy State CL Battery leak site. I have attached the site diagram and lab data summary table that we used in our discussion. As agreed, Oxy will excavate the entire area that is impacted to a depth of 3 feet. In the area of SB2, the soil will be excavated to a depth of 4 feet. Upon completion of the excavation, the site will be backfilled with clean soil.

If you would please reply back via e-mail with your concurrence to this 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](mailto:cbrunson@bbcinternational.com)

\*\*\*\*\*

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\*\*\*\*\*

**Leking, Geoffrey R, EMNRD**

---

**From:** Cliff P. Brunson <cbrunson@bbcinternational.com>  
**Sent:** Wednesday, November 28, 2012 5:24 PM  
**To:** Leking, Geoffrey R, EMNRD  
**Cc:** Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Oxy-State CL Battery  
**Attachments:** Remediation Packet- State CL Btry-2.pdf

**HOBBS OCD**

**NOV 28 2012**

**RECEIVED**

Geoff,

This message is to confirm our discussion on November 28, 2012 concerning the remediation plan for the Oxy State CL Battery leak site. I have attached the site diagram and lab data summary table that we used in our discussion. As agreed, Oxy will excavate the entire area that is impacted to a depth of 3 feet. In the area of SB2, the soil will be excavated to a depth of 4 feet. Upon completion of the excavation, the site will be backfilled with clean soil.

If you would please reply back via e-mail with your concurrence to this 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](mailto:cbrunson@bbcinternational.com)

\*\*\*\*\*  
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\*\*\*\*\*



Oxy  
State CL Battery

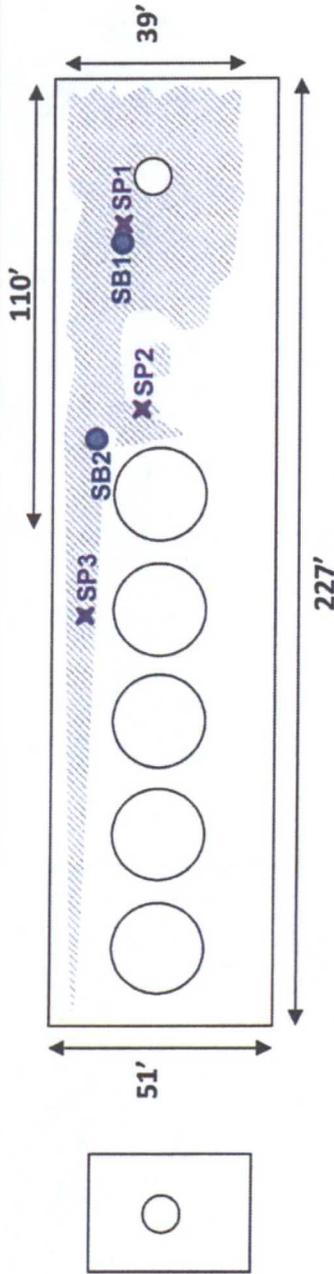
HOBBS OCD

NOV 28 2012

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Well Head



UL C, Sec 2, T18S, R33E  
330'FNL, 1980' FWL  
Lea County, NM  
N 32.78268, W 103.63585

<b>BBC International, Inc.</b>	
Oxy	
State CL Battery	
Date: 09/26/11	DRWG by: KAP
Scale: Not to Scale	File Name: DRWG



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# Groundwater Plot

NOV 28 2012

## Oxy State CL Battery

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County  
Lea

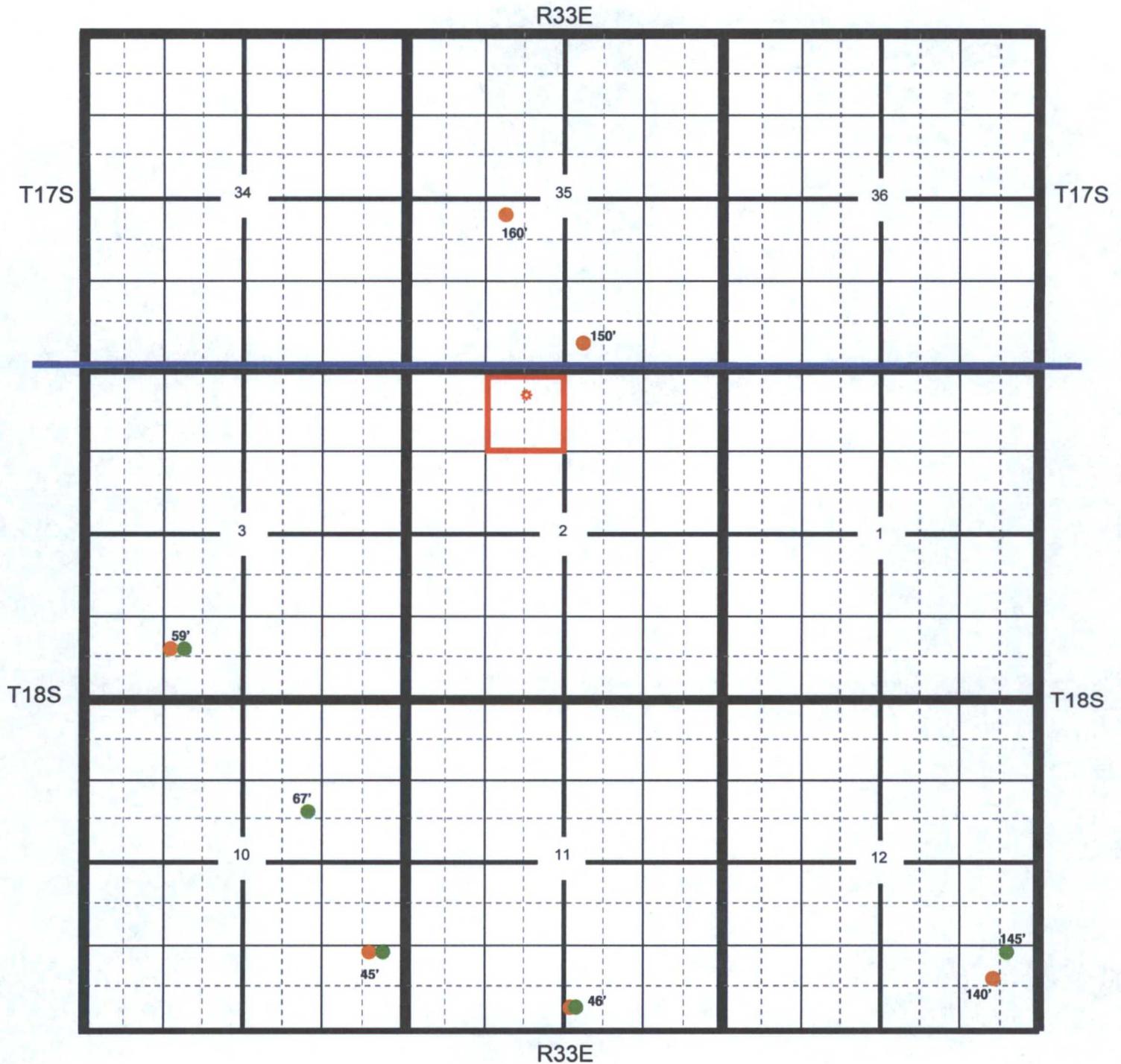
Unit Letter  
C

Section  
2

Township  
18S

Range  
33E

Trend Map 100'-150'



⚙ Location

● OCD

● USGS

● SEO

● All Databases



Section Quarters

HOBBS OCD

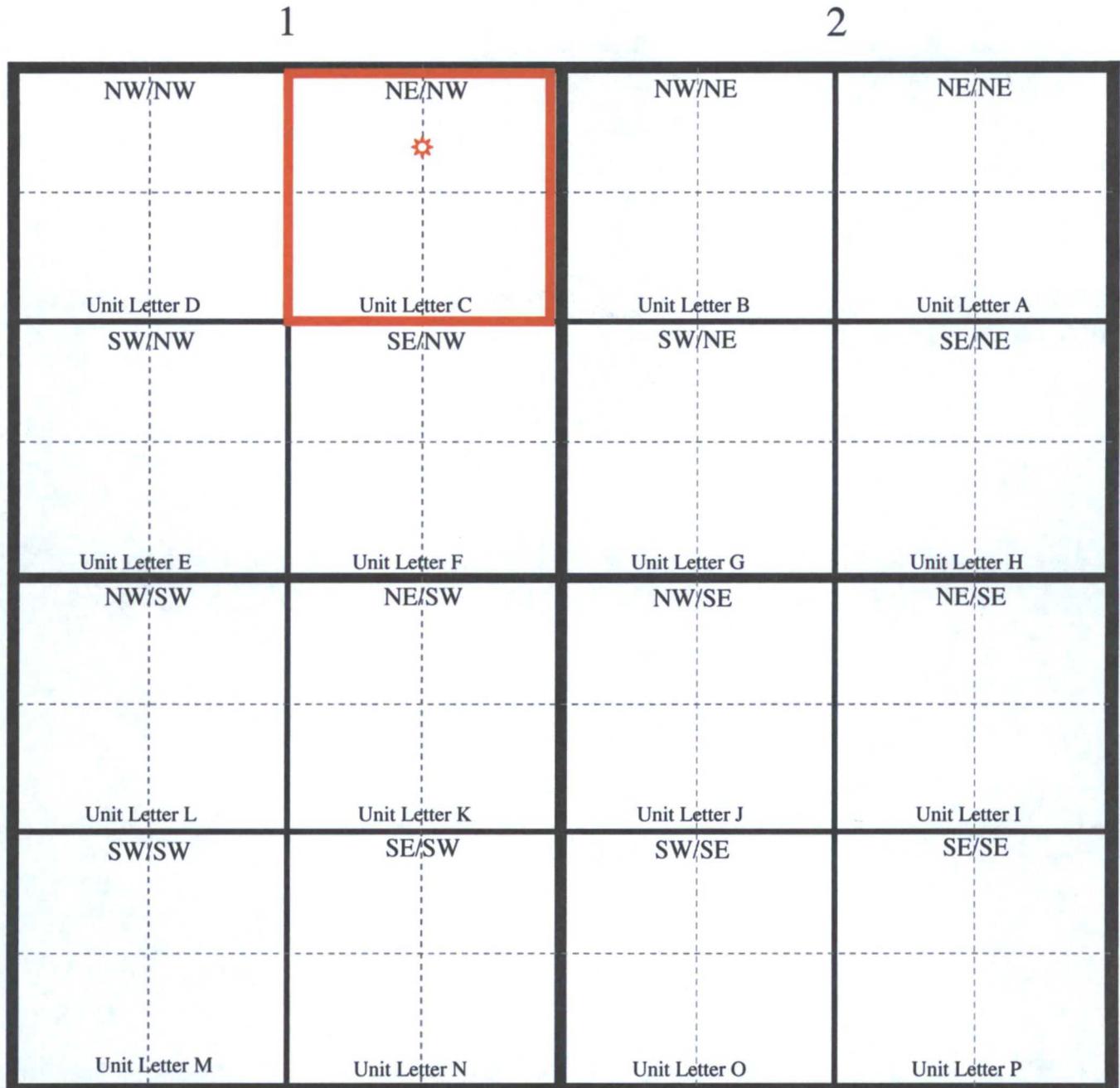
NOV 28 2012

# Oxy State CL Battery

RECEIVED

<b>County</b> Lea	<b>Unit Letter</b> C	<b>Section</b> 2	<b>Township</b> 18S	<b>Range</b> 33E
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Trend Map 100-150'



1

2

3

4

✳ Location     
 ● OCD     
 ● USGS     
 ● SEO     
 ● All Databases

Laboratory Analytical Results Summary  
 OXY, State CL Battery

Analyte	Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'
	Date	9/29/11	9/29/11	9/29/11	9/29/11	9/29/11	9/29/11	9/29/11	9/29/11	9/29/11
	Method	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B	20400	5200	3160	16000	5520	2840	15600	5920	3680

Soil Borings	Sample	SB1 @ 3'	SB1 @ 7'	SB1 @ 15'	SB1 @ 25'	SB2 @ 3'	SB2 @ 7'	SB2 @ 15'
	Date	10/19/12	10/19/12	10/19/12	10/19/12	10/19/12	10/19/12	10/19/12
	Method	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B	272	96	96	112	1120	112	48

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October 13, 2011

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

HOBBS OCD

NOV 28 2012

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RE: STATE CL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/11/11 8:12.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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: (505) 397-0397

 Received: 10/11/2011  
 Reported: 10/13/2011  
 Project Name: STATE CL BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 09/29/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ SURFACE (H102182-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20400	16.0	10/12/2011	ND	432	108	400	3.64		

**Sample ID: SP 1 @ 1' (H102182-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	10/12/2011	ND	432	108	400	3.64		

**Sample ID: SP 1 @ 2' (H102182-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3160	16.0	10/12/2011	ND	432	108	400	3.64		

**Sample ID: SP 2 @ SURFACE (H102182-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16000	16.0	10/12/2011	ND	432	108	400	3.64		

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (505) 397-0397

Received:	10/11/2011	Sampling Date:	09/29/2011
Reported:	10/13/2011	Sampling Type:	Soil
Project Name:	STATE CL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 1' (H102182-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5520	16.0	10/12/2011	ND	432	108	400	3.64		

**Sample ID: SP 2 @ 2' (H102182-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	10/12/2011	ND	432	108	400	3.64		

**Sample ID: SP 3 @ SURFACE (H102182-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15600	16.0	10/12/2011	ND	432	108	400	3.64		

**Sample ID: SP 3 @ 1' (H102182-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5920	16.0	10/12/2011	ND	432	108	400	3.64		

**Sample ID: SP 3 @ 2' (H102182-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	10/12/2011	ND	432	108	400	3.64		

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\* = Accredited Analyte

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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

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Cardinal Laboratories

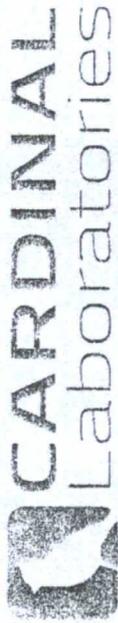
\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <i>PRC International</i>		P.O. #:		ANALYSIS REQUEST	
Project Manager: <i>Cliff Benson</i>		Company:			
Address: <i>1324 W. MARLAND</i>		Attn: <i>JANE</i>			
City: <i>Hobbs</i>		Address:			
State: <i>NM</i> Zip: <i>88240</i>		City:			
Phone #: <i>(575) 3970397</i>		State:			
Fax #: <i>(575) 3970397</i>		Phone #:			
Project #:		Fax #:			
Project Name: <i>AM State Ct. Bldg.</i>		Project Owner: <i>OKM</i>			
Project Location:		Matrix:			
Sampler Name: <i>Roger Hernandez</i>		# CONTAINERS			
FOR LAB USE ONLY		(G)RAB OR (C)OMP.			
Lab I.D.		Sample I.D.			
H102182		SP1E Surf			
1		e 1		DATE TIME	
2		e 2		9-29-11 8:30	
3		e 1		9-29-11 9:20	
4		SP2E Surf		9-29-11 10:30	
5		e 1		9-29-11 11:00	
6		e 2		9-29-11 12:00	
7		SP3E Surf		9-29-11 12:45	
8		e 1		9-29-11 1:00	
9		e 2		9-29-11 1:17	
				9-29-11 3:00	

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Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Date: <i>9/29/11</i>	Date: <i>9/29/11</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Time: <i>5:00</i>	Time: <i>5:12</i>	REMARKS:	
Delivered By: (Circle One)	Sample Condition	Checked By: <i>[Signature]</i>	
Sampler - UPS - Bus - Other:	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		
	5°C		

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



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

October 23, 2012  
Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

HOBBS OCD  
NOV 28 2012  
RECEIVED

RE: STATE CL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/19/12 16:00.

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\\_accred\\_certif.html](http://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

11/28

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (505) 397-0397

Received:	10/19/2012	Sampling Date:	10/19/2012
Reported:	10/23/2012	Sampling Type:	Soil
Project Name:	STATE CL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: SB 1 @ 3' (H202568-01)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/23/2012	ND	432	108	400	0.00	

**Sample ID: SB 1 @ 7' (H202568-02)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/23/2012	ND	432	108	400	0.00	

**Sample ID: SB 1 @ 15' (H202568-03)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/23/2012	ND	432	108	400	0.00	

**Sample ID: SB 1 @ 25' (H202568-04)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/23/2012	ND	432	108	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (505) 397-0397

Received:	10/19/2012	Sampling Date:	10/19/2012
Reported:	10/23/2012	Sampling Type:	Soil
Project Name:	STATE CL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: SB 2 @ 3' (H202568-05)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	10/23/2012	ND	432	108	400	0.00		

**Sample ID: SB 2 @ 7' (H202568-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/23/2012	ND	400	100	400	3.92		

**Sample ID: SB 2 @ 15' (H202568-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/23/2012	ND	400	100	400	3.92		

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Celey D. Keene, Lab Director/Quality Manager

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RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
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Celey D. Keene, Lab Director/Quality Manager

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**ARDINAL LABORATORIES**  
 101 East Marland, Hobbs, NM 88240  
 (505) 393-2326 FAX (505) 393-2476

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88241 <b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397 <b>Project #:</b> <b>Project Owner:</b> Oxy <b>Project Name:</b> State CL Battery <b>Project Location:</b> Lea County, NM <b>Sampler Name:</b> Roger Hernandez		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>	
<b>FOR LAB USE ONLY</b>		<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>PRESERV</b> ICE / COOL ACID/BASE OTHER:	
<b>Lab I.D.</b> H202543 1 SB1 @ 3' 2 SB1 @ 7' 3 SB1 @ 15' 4 SB1 @ 25' 5 SB2 @ 3' 6 SB2 @ 7' 7 SB2 @ 15' 10/19/12		<b>SAMPLING</b> DATE TIME		10/19/2012 8:30 am 10/19/2012 9:50 am 10/19/2012 10:09 am 10/19/2012 10:56 am 10/19/2012 11:05 am 10/19/2012 11:21 am 10/19/2012 11:41 am	

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<b>Relinquished By:</b> [Signature]	<b>Received By:</b> [Signature]	<b>Date:</b> 10/19/12 <b>Time:</b> 1:52	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>Add'l Fax #:</b>
<b>Relinquished By:</b> [Signature]	<b>Received By:</b> [Signature]	<b>Date:</b> 10/19/12 <b>Time:</b> 10:00	<b>REMARKS:</b>
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:	<b>Checked By:</b> [Signature]	<b>Sample Condition:</b> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	1.58 #26

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