

Bratcher, Mike, EMNRD

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Tuesday, April 09, 2013 6:32 PM
To: Bratcher, Mike, EMNRD
Cc: Josh Russo; Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Concho-Chicken Hawk State #1-Remediation Plan
Attachments: Remediation Packet- Chicken Hawk State #1.pdf

Mike,

This e-mail is to confirm our discussion on March 25, 2013 concerning the remediation plan for the release that occurred at the Concho Chicken Hawk State #1. I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Concho will hand excavate 2 feet across the entire leak area at the site dependent upon ground hardness. A one foot thick clay liner will then be installed and the site will then be backfilled with appropriate clean material for inside the battery area. The depth to groundwater in this area is approximately 50 feet.

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

Concho and I thank you for your assistance in handling this matter.

Thanks, Cliff

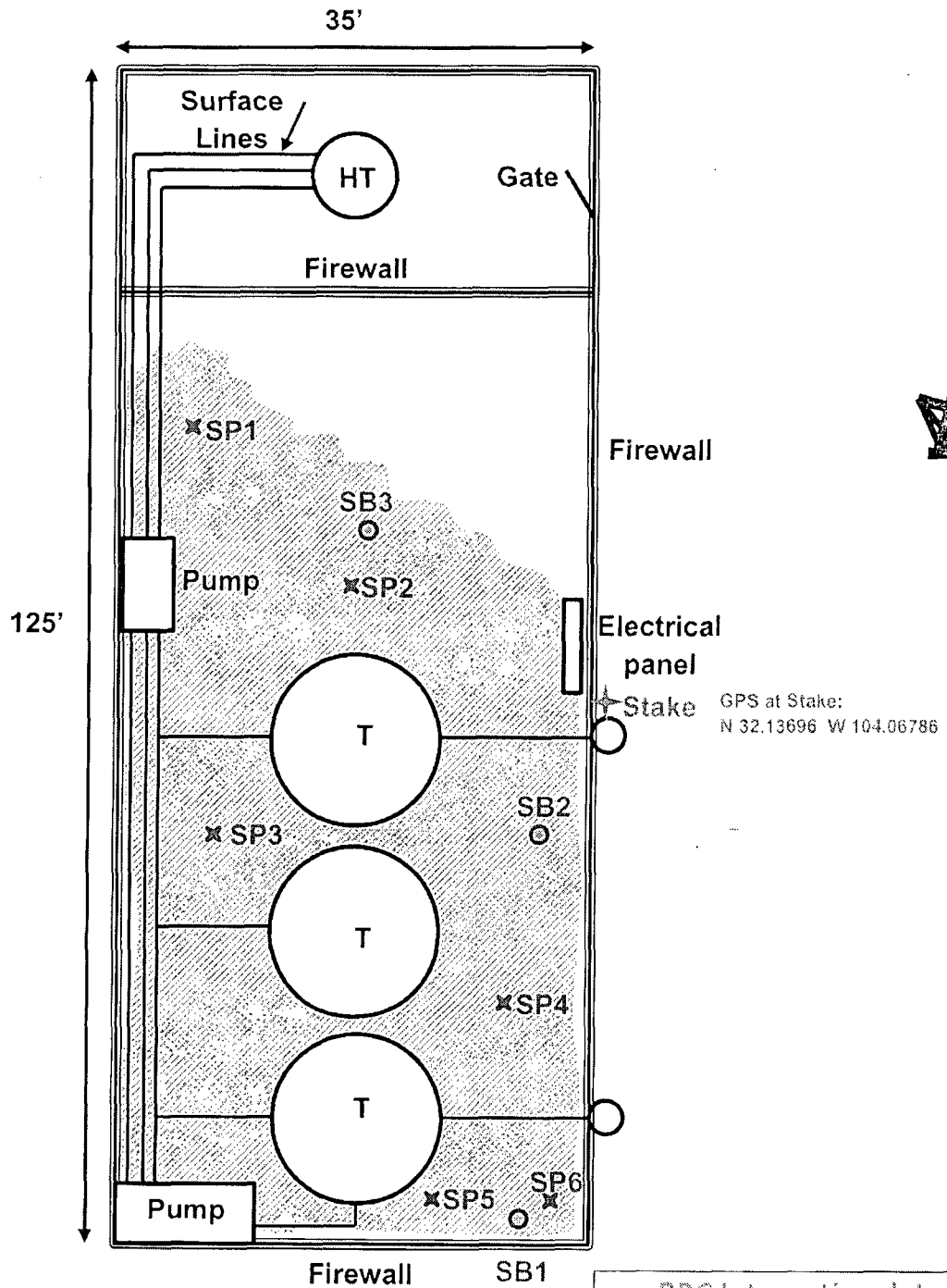
Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
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Hobbs, NM 88241-0805 USA
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COG

Chicken Hawk State #1



U/L A, Section 15, T25S, R28E
Eddy County, NM
API#30-015-33682

BBC International, Inc.

COG

Chicken Hawk State #1

Date: 07/06/2012

DRWG by: K. Purvis

NOT TO SCALE

File: COG 2012



Groundwater Plot

COG Chicken Hawk State #1

County
Eddy

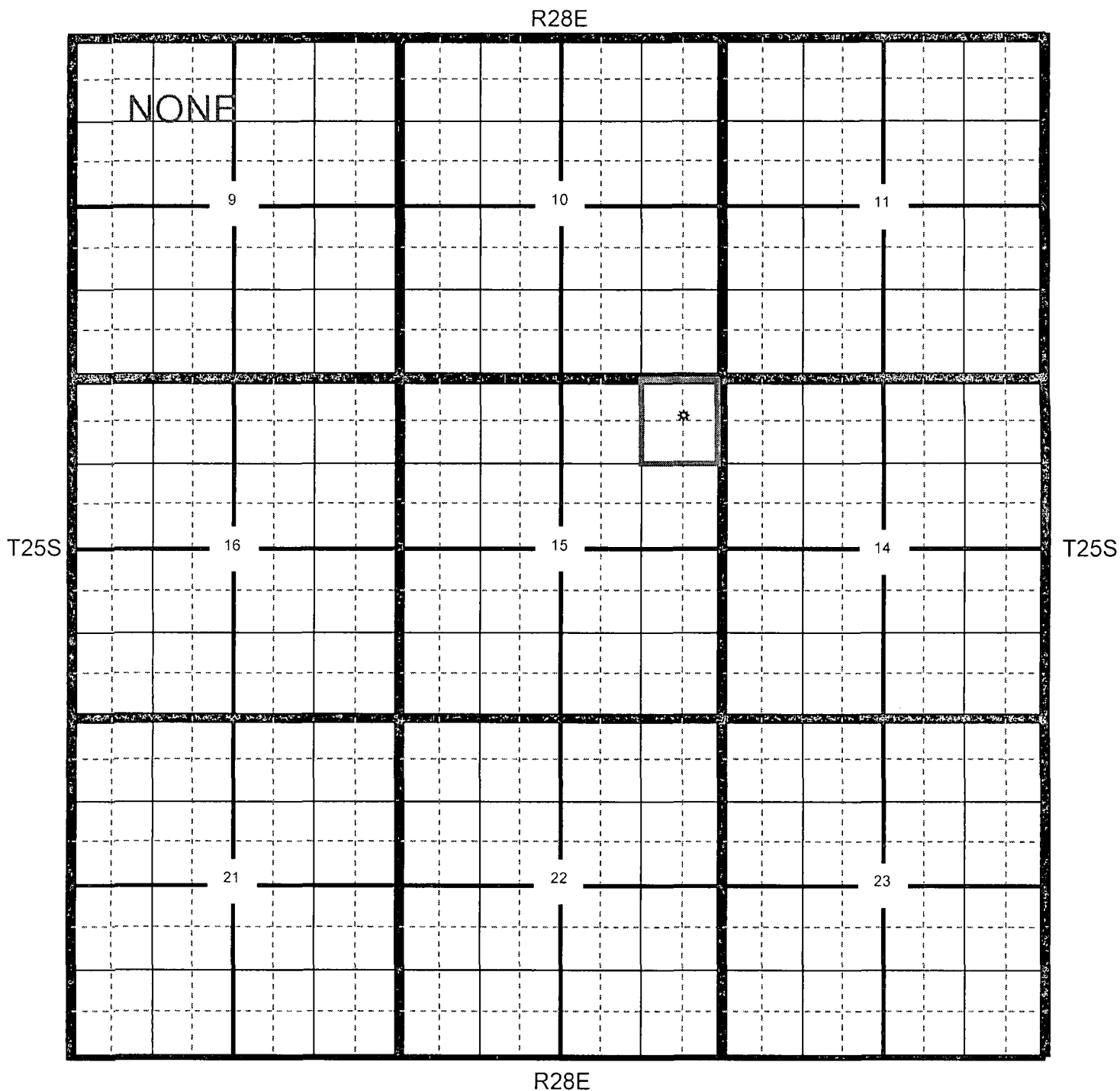
Unit Letter
A

Section
15

Township
25S

Range
28E

Trend Map <50'



★ Location

● OCD

● USGS

● SEO

● All Databases

Section Quarters

COG Chicken Hawk State #1

County
Eddy

Unit Letter
A

Section
15


Township
25S

Range
28E

Trend Map <50'


1

2

NW/NW NONE Unit Letter D	NE/NW Unit Letter C	NW/NE Unit Letter B	NE/NE  Unit Letter A
SW/NW Unit Letter E	SE/NW Unit Letter F	SW/NE Unit Letter G	SE/NE Unit Letter H
NW/SW Unit Letter L	NE/SW Unit Letter K	NW/SE Unit Letter J	NE/SE Unit Letter I
SW/SW Unit Letter M	SE/SW Unit Letter N	SW/SE Unit Letter O	SE/SE Unit Letter P

3

4

 Location

 OCD

 USGS

 SEO

 All Databases

Laboratory Analytical Results Summary
COG, Chicken Hawk State #1

		Sample	SP1 @ SURFACE	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 8'
Analyte	Method	Date	7/5/12	7/5/12	7/23/12	7/23/12	7/23/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		65600	3520	3040	608	176

		Sample	SP2 @ SURFACE	SP2 @ 1.5'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'
Analyte	Method	Date	7/5/12	7/5/12	7/23/12	7/23/12	7/23/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		55200	26400	7860	9200	4560

		Sample	SP3 @ SURFACE	SP3 @ 1.5'	SP3 @ 2'
Analyte	Method	Date	7/5/12	7/5/12	7/31/12
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		84000	12800	12700

		Sample	SP4 @ SURFACE	SP4 @ 1.5'	SP4 @ 2'	SP4 @ 4'
Analyte	Method	Date	7/5/12	7/5/12	7/31/12	7/31/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		51200	16200	2400	1520

		Sample	SP5 @ SURFACE	SP5 @ 1.5'
Analyte	Method	Date	7/5/12	7/5/12
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		48800	7440

		Sample	SP6 @ SURFACE	SP6 @ 2'	SP6 @ 3'
Analyte	Method	Date	7/31/12	7/31/12	7/31/12
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		56800	6800	4240

**Laboratory Analytical Results Summary
Chicken Hawk State #1, Soil Boring Data**

		Sample	SB1 @ 4'	SB1 @ 5'	SB1 @ 10'	SB1 @ 15'	SB1 @ 20'	SB1 @ 25'
Analyte	Method	Date	2/26/13	2/26/13	2/26/13	2/26/13	2/26/13	2/26/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		N/A	N/A	<0.050	N/A	N/A	N/A
Toluene	BTEX 8021B		N/A	N/A	<0.050	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B		N/A	N/A	<0.050	N/A	N/A	N/A
Total Xylenes	BTEX 8021B		N/A	N/A	<0.150	N/A	N/A	N/A
Total BTEX	BTEX 8021B		N/A	N/A	<0.300	N/A	N/A	N/A
Chloride	SM4500Cl-B		2400	1820	480	400	240	96
GRO	TPH 8015M		N/A	N/A	<10.0	N/A	N/A	N/A
DRO	TPH 8015M		N/A	N/A	<10.0	N/A	N/A	N/A

		Sample	SB2 @ 5'	SB2 @ 10'	SB2 @ 15'
Analyte	Method	Date	2/26/13	2/26/13	2/26/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		N/A	<0.050	N/A
Toluene	BTEX 8021B		N/A	<0.050	N/A
Ethylbenzene	BTEX 8021B		N/A	<0.050	N/A
Total Xylenes	BTEX 8021B		N/A	<0.150	N/A
Total BTEX	BTEX 8021B		N/A	<0.300	N/A
Chloride	SM4500Cl-B		1300	112	160
GRO	TPH 8015M		N/A	<10.0	N/A
DRO	TPH 8015M		N/A	<10.0	N/A

		Sample	SB3 @ 10'	SB3 @ 15'	SB3 @ 20'	SB3 @ 25'
Analyte	Method	Date	2/26/13	2/26/13	2/26/13	2/26/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	N/A	N/A	N/A
Toluene	BTEX 8021B		<0.050	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	N/A	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	N/A	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	N/A	N/A	N/A
Chloride	SM4500Cl-B		2400	816	144	160
GRO	TPH 8015M		<10.0	N/A	N/A	N/A
DRO	TPH 8015M		<10.0	N/A	N/A	N/A



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

July 11, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CHICKEN HAWK STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 07/06/12 15:35.

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.

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,

Hope Moreno

Inorganic Technical Director

Analytical Results For:

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

Received:	07/06/2012	Sampling Date:	07/05/2012
Reported:	07/11/2012	Sampling Type:	Soil
Project Name:	CHICKEN HAWK STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SP 1 @ SURFACE (H201544-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	65600	16.0	07/10/2012	ND	400	100	400	0.00	

Sample ID: SP 1 @ 3' (H201544-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	07/10/2012	ND	400	100	400	0.00	

Sample ID: SP 2 @ SURFACE (H201544-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	55200	16.0	07/10/2012	ND	400	100	400	0.00	

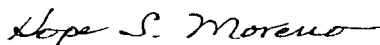
Sample ID: SP 2 @ 1.5' (H201544-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26400	16.0	07/10/2012	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

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

Received:	07/06/2012	Sampling Date:	07/05/2012
Reported:	07/11/2012	Sampling Type:	Soil
Project Name:	CHICKEN HAWK STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SP 3 @ SURFACE (H201544-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	84000	16.0	07/10/2012	ND	400	100	400	0.00	

Sample ID: SP 3 @ 1.5' (H201544-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	07/10/2012	ND	400	100	400	0.00	

Sample ID: SP 4 @ SURFACE (H201544-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	51200	16.0	07/10/2012	ND	400	100	400	0.00	

Sample ID: SP 4 @ 1.5' (H201544-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16200	16.0	07/10/2012	ND	400	100	400	3.92	

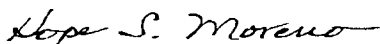
Sample ID: SP 5 @ SURFACE (H201544-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48800	16.0	07/10/2012	ND	400	100	400	3.92	

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*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

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

Received:	07/06/2012	Sampling Date:	07/05/2012
Reported:	07/11/2012	Sampling Type:	Soil
Project Name:	CHICKEN HAWK STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

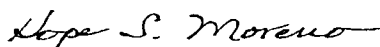
Sample ID: SP 5 @ 1.5' (H201544-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7440	16.0	07/10/2012	ND	400	100	400	3.92	

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*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director

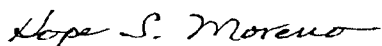
Notes and Definitions

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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* = Accredited Analyte

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Hope Moreno, Inorganic Technical Director



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. #:																						
Address: P.O. Box 805				Company:																						
City: Hobbs State: NM Zip: 88241				Attn:																						
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																						
Project #: Project Owner:				City:																						
Project Name: Chicken Hawk State #1				State: Zip:																						
Project Location: Malaga, NM				Phone #:																						
Sampler Name: Jeff Ornelas				Fax #:																						
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV		SAMPLING		Chloride													
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :													DATE	TIME
1	SP1 @ SURFACE	1	1			✓				✓															7/5/12	1:15 PM
2	SP1 @ 3'	1	1			✓				✓															7/5/12	1:51 PM
3	SP2 @ SURFACE	1	1			✓				✓															7/5/12	2:19 PM
4	SP2 @ 1.5'	1	1			✓				✓															7/5/12	2:33 PM
5	SP3 @ SURFACE	1	1			✓				✓															7/5/12	2:52 PM
6	SP3 @ 1.5'	1	1			✓				✓															7/5/12	3:08 PM
7	SP4 @ SURFACE	1	1			✓				✓															7/5/12	3:11 PM
8	SP4 @ 1.5'	1	1			✓				✓															7/5/12	3:29 PM
9	SP5 @ SURFACE	1	1			✓				✓			7/5/12	3:33 PM												
10	SP5 @ 1.5'	1	1			✓				✓			7/5/12	4:00 PM												

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Relinquished By:	Date: 7/6/12	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1:00		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 7/6/12	Received By:	REMARKS:	
	Time: 3:35			
Delivered By: (Circle One)				
Sampler - UPS - Bus - Other:	52	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)	

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

#26



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

July 27, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CHICKEN HAWK STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 07/25/12 11:05.

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.

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: (505) 397-0397

Received:	07/25/2012	Sampling Date:	07/23/2012
Reported:	07/27/2012	Sampling Type:	Soil
Project Name:	CHICKEN HAWK STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	MALAGA, NM		

Sample ID: SP 1 @ 5' (H201715-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	07/26/2012	ND	400	100	400	7.69	

Sample ID: SP 1 @ 7' (H201715-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	07/26/2012	ND	400	100	400	7.69	

Sample ID: SP 1 @ 8' (H201715-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/26/2012	ND	400	100	400	7.69	

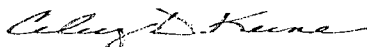
Sample ID: SP 2 @ 3' (H201715-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7860	16.0	07/26/2012	ND	400	100	400	7.69	

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:	07/25/2012	Sampling Date:	07/23/2012
Reported:	07/27/2012	Sampling Type:	Soil
Project Name:	CHICKEN HAWK STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	MALAGA, NM		

Sample ID: SP 2 @ 5' (H201715-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	07/26/2012	ND	400	100	400	7.69	

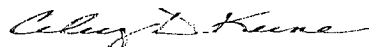
Sample ID: SP 2 @ 7' (H201715-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	07/26/2012	ND	400	100	400	7.69	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

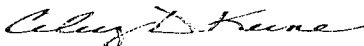
Notes and Definitions

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

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: <u>BBC</u>		BILL TO		ANALYSIS REQUEST																						
Project Manager: <u>Cliff Brunson</u>		P.O. #:																								
Address: <u>1324 W. Marland</u>		Company:																								
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn: <u>Same</u>																								
Phone #: <u>575-393-6388</u> Fax #: <u>575-393-6397</u>		Address:																								
Project #: _____ Project Owner: <u>COG</u>		City:																								
Project Name: <u>Chickadee Hawk SLK #1</u>		State: _____ Zip: _____																								
Project Location: <u>Malaga NM</u>		Phone #: _____																								
Sampler Name: <u>Cliff Brunson</u>		Fax #: _____																								
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS													MATRIX					PRESERV.	SAMPLING				
																GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME
<u>H201715</u>																										
1	<u>Sp10 S</u>	<u>C</u>	<u>1</u>															<u>X</u>				<u>X</u>			<u>7-23</u>	<u>1333</u>
2	<u>Sp10 F</u>	<u>C</u>	<u>1</u>															<u>X</u>				<u>X</u>				<u>139</u>
3	<u>Sp10 B</u>	<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>				<u>158</u>												
4	<u>Sp20 B</u>	<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>				<u>230</u>												
5	<u>Sp20 S</u>	<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>				<u>250</u>												
6	<u>Sp20 F</u>	<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>✓</u>	<u>323</u>												

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Relinquished By: <u>[Signature]</u>	Date: <u>7-25-12</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <u>11:05 am</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other: <u>-0.5°C</u>	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	(Initials)	

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



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

August 06, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CHICKEN HAWK STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 08/01/12 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is 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: (505) 397-0397

Received:	08/01/2012	Sampling Date:	07/31/2012
Reported:	08/06/2012	Sampling Type:	Soil
Project Name:	CHICKEN HAWK STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SP 3 @ 2' (H201793-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12700	16.0	08/03/2012	ND	400	100	400	3.92	

Sample ID: SP 4 @ 2' (H201793-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	08/03/2012	ND	400	100	400	3.92	

Sample ID: SP 4 @ 4' (H201793-03)

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	08/03/2012	ND	400	100	400	3.92	


Sample ID: SP 6 @ SURFACE (H201793-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	56800	16.0	08/03/2012	ND	400	100	400	3.92	

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: 08/01/2012
Reported: 08/06/2012
Project Name: CHICKEN HAWK STATE #1
Project Number: NONE GIVEN
Project Location: MALAGA, NM

Sampling Date: 07/31/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 @ 2' (H201793-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	08/03/2012	ND	400	100	400	3.92	

Sample ID: SP 6 @ 3' (H201793-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	08/03/2012	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

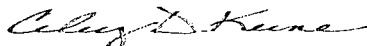
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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 analysis. 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:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time:		Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
			REMARKS:		
Relinquished By:	Date:	Received By:			
	Time:				
Delivered By: (Circle One)	Sample Condition		CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool Intact		(Initials)		
	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No				

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



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

March 05, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CHICKEN HAWK STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 02/27/13 9:10.

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.

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,

A handwritten signature in black ink, appearing to read "Coley D. Keene". The signature is fluid and cursive, with a large, stylized "C" at the beginning.

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: 02/27/2013
 Reported: 03/05/2013
 Project Name: CHICKEN HAWK STATE #1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 02/26/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SB 1 @ 4' (H300511-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	03/01/2013	ND	432	108	400	0.00	

Sample ID: SB 1 @ 5' (H300511-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1820	16.0	03/01/2013	ND	432	108	400	0.00	

Sample ID: SB 1 @ 10' (H300511-03)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	<0.050	0.050	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	<0.150	0.150	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTX	<0.300	0.300	03/04/2013	ND					

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

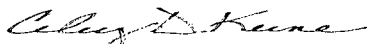
Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/01/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

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: (575) 397-0397

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/05/2013	Sampling Type:	Soil
Project Name:	CHICKEN HAWK STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SB 1 @ 10' (H300511-03)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	<10.0	10.0	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	97.7 %	65.2-140							
Surrogate: 1-Chlorooctadecane	105 %	63.6-154							

Sample ID: SB 1 @ 15' (H300511-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/01/2013	ND	432	108	400	0.00	

Sample ID: SB 1 @ 20' (H300511-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/01/2013	ND	432	108	400	0.00	

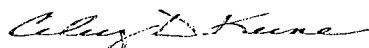
Sample ID: SB 1 @ 25' (H300511-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/01/2013	ND	416	104	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: (575) 397-0397

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/05/2013	Sampling Type:	Soil
Project Name:	CHICKEN HAWK STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SB 2 @ 5' (H300511-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	03/01/2013	ND	416	104	400	0.00	

Sample ID: SB 2 @ 10' (H300511-08)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	<0.050	0.050	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	<0.150	0.150	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	<0.300	0.300	03/04/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/01/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	<10.0	10.0	03/01/2013	ND	224	112	200	18.0	

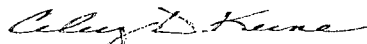
Surrogate: 1-Chlorooctane 94.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.9 % 63.6-154

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: (575) 397-0397

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/05/2013	Sampling Type:	Soil
Project Name:	CHICKEN HAWK STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SB 2 @ 15' (H300511-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/01/2013	ND	416	104	400	0.00	

Sample ID: SB 3 @ 10' (H300511-10)

BTEx 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	<0.050	0.050	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	<0.150	0.150	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	<0.300	0.300	03/04/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	03/01/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	<10.0	10.0	03/01/2013	ND	224	112	200	18.0	

Surrogate: 1-Chlorooctane 87.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.9 % 63.6-154

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: (575) 397-0397

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/05/2013	Sampling Type:	Soil
Project Name:	CHICKEN HAWK STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SB 3 @ 15' (H300511-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	03/01/2013	ND	416	104	400	0.00	

Sample ID: SB 3 @ 20' (H300511-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/01/2013	ND	416	104	400	0.00	

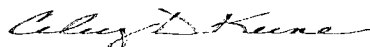
Sample ID: SB 3 @ 25' (H300511-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/01/2013	ND	416	104	400	0.00	

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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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*=Accredited Analyte

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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; flex-direction: column; align-items: center;"> <div>Chlorides</div> <div>BTEX</div> <div>TPH</div> </div>									
Address: P.O. Box 805				Company:											
City: Hobbs		State: NM Zip: 88241		Attn:											
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:											
Project #:		Project Owner: <i>Concho</i>		City:											
Project Name: Chicken Hawk State #1				State: Zip:											
Project Location:				Phone #:											
Sampler Name:				Fax #:											
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	G/RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.		SAMPLING						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME	
<i>H300511</i>															
1	SB1 @ 4'	G	1										2-26-13	8:30 am	
2	SB1 @ 5'	G	1										2-26-13	8:45 am	
3	SB1 @ 10'	G	1										2-26-13	9:00 am	
4	SB1 @ 15'	G	1										2-26-13	9:15 am	
5	SB1 @ 20'	G	1										2-26-13	9:30 am	
6	SB1 @ 25'	G	1										2-26-13	9:45 am	
7	SB2 @ 5'	G	1										2-26-13	10:15 am	
8	SB2 @ 10'	G	1										2-26-13	10:30 am	
9	SB2 @ 15'	G	1										2-26-13	10:45 am	

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>2-27-13</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>8:00</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>[Signature]</i>	Date: <i>2-27-13</i>	Received By: <i>[Signature]</i>	REMARKS:	
	Time: <i>9:10</i>			
Delivered By: (Circle One)				
Sampler - UPS - Bus - Other:		Sample Condition	CHECKED BY: <i>[Signature]</i>	
		Cool Intact		
		<input type="checkbox"/> Yes <input type="checkbox"/> No		

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

#26

**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. #:																													
Address: P.O. Box 805				Company:																													
City: Hobbs		State: NM Zip: 88241		Attn:																													
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																													
Project #:		Project Owner: <i>Concho</i>		City:																													
Project Name: Chicken Hawk State #1				State: Zip:																													
Project Location:				Phone #:																													
Sampler Name:				Fax #:																													
FOR LAB USE ONLY																																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING																			
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:													

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	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	Chicken Hawk State #1	Facility Type	Tank Battery

Surface Owner	State	Mineral Owner	Lease No. (API#) 30-015-33682
---------------	-------	---------------	-------------------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	15	25S	28E					Eddy

Latitude 32 08.236 Longitude 104 04.079

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	85bbls	Volume Recovered	80bbls
Source of Release	Produced water tank	Date and Hour of Occurrence	06/26/2012	Date and Hour of Discovery	06/26/2012 8:40 a.m.
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-OCD		
By Whom?	Michelle Mullins	Date and Hour	03/26/2012 3:12 p.m.		
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.*

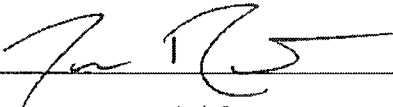
Describe Cause of Problem and Remedial Action Taken.*

The produced water tank at the Chicken Hawk State Tank Battery overflowed due to an electrical problem that did not allow the high level alarm to be sent out. Electricians have been called out to the facility to correct the problem.

Describe Area Affected and Cleanup Action Taken.*

Initially roughly 85bbls of produced water was released from the water tank and we were able to recover 80bbls with a vacuum truck. The entire release was completely contained inside the dike walls of the tank battery. The spill area measured approximately 20' x 40'. BBC International Inc. will sample the spill site area to delineate any possible contamination from the release and we will present a remediation 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:	Josh Russo				
Title:	HSE Coordinator			Approved by District Supervisor:	
E-mail Address:	jrusso@conchoresources.com			Approval Date:	Expiration Date:
Date:	06/29/2012	Phone:	432-212-2399	Conditions of Approval:	Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Wednesday, May 08, 2013 11:33 AM
To: 'Cliff P. Brunson'
Cc: Josh Russo; Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: Concho-Chicken Hawk State #1-Remediation Plan

Reference: COG * Chicken Hawk St 1 * 30-015-33682 * A-15-25s-28e * Eddy County, New Mexico
OCD Tracking Number: 2RP-1213 * Date of release: 6/26/12

Cliff,

Your proposal for remediation of the above referenced release is approved. Please notify OCD prior to commencement of remedial activities. OCD may require further delineation in the area marked SP3 upon decommission of the tank battery.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notifications, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Tuesday, April 09, 2013 6:32 PM
To: Bratcher, Mike, EMNRD
Cc: Josh Russo; Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Concho-Chicken Hawk State #1-Remediation Plan

Mike,

This e-mail is to confirm our discussion on March 25, 2013 concerning the remediation plan for the release that occurred at the Concho Chicken Hawk State #1. I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Concho will hand excavate 2 feet across the entire leak area at the site dependent upon ground hardness. A one foot thick clay liner will then be installed and the site will then be backfilled with appropriate clean material for inside the battery area. The depth to groundwater in this area is approximately 50 feet.

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

Concho and I thank you for your assistance in handling this matter.

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

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Bratcher, Mike, EMNRD

From: Microsoft Outlook
To: Cliff P. Brunson; Josh Russo; Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Sent: Wednesday, May 08, 2013 11:33 AM
Subject: Relayed: RE: Concho-Chicken Hawk State #1-Remediation Plan

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

[Cliff P. Brunson \(cbrunson@bbcinternational.com\)](mailto:cbrunson@bbcinternational.com)

[Josh Russo \(jrusso@concho.com\)](mailto:jrusso@concho.com)

[Robert Grubbs \(RGrubbs@concho.com\)](mailto:RGrubbs@concho.com)

[Ken Swinney \(kswinney@bbcinternational.com\)](mailto:kswinney@bbcinternational.com)

[Jennifer Gilkey \(jgilkey@bbcinternational.com\)](mailto:jgilkey@bbcinternational.com)

[Kathy Purvis \(kathy@bbcinternational.com\)](mailto:kathy@bbcinternational.com)

Subject: RE: Concho-Chicken Hawk State #1-Remediation Plan