

PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805 E-MAIL: cbrunson@bbcinternational.com

# **OXY – NORTH HOBBS GSA UNIT #141-32**

# **REMEDIATION PLAN**

OXY will excavate the spill area as depicted on the following site diagram. The entire spill area outlined in red will be excavated to a depth of 6 inches.

The site will then be backfilled with clean soil. All excavated materials will be disposed of at an NMOCD-approved disposal facility.

**RECEIVED** By JKeyes at 2:59 pm, Sep 30, 2015

**APPROVED** By JKeyes at 2:59 pm, Sep 30, 2015





Section Quarters

# Oxy North Hobbs GSA Unit #141-32



### Laboratory Analytical Results Summary North Hobbs GSA Unit #141-32

		Sample	SP1 @ SURFACE	SP1 @ 1'
Analyte	Method	Date	9/9/15	9/9/15
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		1570	32

		Sample SP2 @ SURFACE		SP2 @ 1'	
Analyte	Method	Date	9/9/15	9/9/15	
			mg/Kg	mg/Kg	
Chloride	SM4500CI-B		2000	<16.0	

		Sample SP3 @ SURFACE		SP3 @ 1'	
Analyte	Method	Date	9/9/15	9/9/15	
			mg/Kg	mg/Kg	
Chloride	SM4500CI-B		2840	<16.0	

		Sample SP4 @ SURFACE		SP4 @ 1'	
Analyte	Method	Date	9/9/15	9/9/15	
			mg/Kg	mg/Kg	
Chloride	SM4500CI-B		2720	<16.0	

		Sample	SP5 @ SURFACE	SP5 @ 1'	
Analyte	Method	Date	9/9/15 9/9/15		
			mg/Kg	mg/Kg	
Chloride	SM4500CI-B		4200	<16.0	

		Sample SP6 @ SURFACE		SP6 @ 1'	
Analyte	Method	Date 9/9/15		9/9/15	
			mg/Kg	mg/Kg	
Chloride	SM4500CI-B		2840	<16.0	

		Sample SP7 @ SURFACE		SP7 @ 1'	
Analyte	Method	Date	9/9/15	9/9/15	
			mg/Kg	mg/Kg	
Chloride	SM4500CI-B		3960	<16.0	

		Sample	SP8 @ SURFACE	SP8 @ 1'
Analyte	Method	Date	9/9/15	9/9/15
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		3680	96

		Sample	SP9 @ SURFACE	SP9 @ 1'
Analyte	Method	Date	9/9/15	9/9/15
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		2800	<16.0



September 17, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NORTH HOBBS G. S/A 141-32

Enclosed are the results of analyses for samples received by the laboratory on 09/10/15 10:32.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	09/10/2015	Sampling Date:	09/09/2015
Reported:	09/17/2015	Sampling Type:	Soil
Project Name:	NORTH HOBBS G. S/A 141-32	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

## Sample ID: SP1 @ SURFACE (H502391-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	09/16/2015	ND	448	112	400	3.64	

## Sample ID: SP1 @ 1' (H502391-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/16/2015	ND	448	112	400	3.64	

#### Sample ID: SP2 @ SURFACE (H502391-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	09/16/2015	ND	448	112	400	3.64	

## Sample ID: SP2 @ 1' (H502391-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2015	ND	448	112	400	3.64	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	09/10/2015	Sampling Date:	09/09/2015
Reported:	09/17/2015	Sampling Type:	Soil
Project Name:	NORTH HOBBS G. S/A 141-32	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

## Sample ID: SP3 @ SURFACE (H502391-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	09/16/2015	ND	448	112	400	3.64	

## Sample ID: SP3 @ 1' (H502391-06)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	<16.0	16.0	09/16/2015	ND	448	112	400	3.64			

## Sample ID: SP4 @ SURFACE (H502391-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	09/16/2015	ND	448	112	400	3.64	

#### Sample ID: SP4 @ 1' (H502391-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2015	ND	448	112	400	3.64	

### Sample ID: SP5 @ SURFACE (H502391-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4200	16.0	09/16/2015	ND	448	112	400	3.64	

## Cardinal Laboratories

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	09/10/2015	Sampling Date:	09/09/2015
Reported:	09/17/2015	Sampling Type:	Soil
Project Name:	NORTH HOBBS G. S/A 141-32	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

### Sample ID: SP5 @ 1' (H502391-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2015	ND	448	112	400	3.64	

## Sample ID: SP6 @ SURFACE (H502391-11)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	09/16/2015	ND	448	112	400	3.64	

## Sample ID: SP6 @ 1' (H502391-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2015	ND	448	112	400	3.64	

#### Sample ID: SP7 @ SURFACE (H502391-13)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Analyte Result Reporting Li		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3960	16.0	09/16/2015	ND	448	112	400	3.64	

## Sample ID: SP7 @ 1' (H502391-14)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2015	ND	448	112	400	3.64	

## **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	09/10/2015	Sampling Date:	09/09/2015
Reported:	09/17/2015	Sampling Type:	Soil
Project Name:	NORTH HOBBS G. S/A 141-32	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

### Sample ID: SP8 @ SURFACE (H502391-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	nalyte Result Reporting Lir		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	09/16/2015	ND	448	112	400	3.64	

## Sample ID: SP8 @ 1' (H502391-16)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/16/2015	ND	448	112	400	3.64	

## Sample ID: SP9 @ SURFACE (H502391-17)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Analyte Result Re		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	09/16/2015	ND	448	112	400	3.64	

#### Sample ID: SP9 @ 1' (H502391-18)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	yte Result Reporting		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2015	ND	448	112	400	3.64	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Page 8 of 8

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.

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Was Immedia	te Notice G	liven?				08/29/2015						,
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By Whom?	Tony Agu											
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Printed Name:	Tony Ag	uilar			A	pproved by E	nvironmenta	al Speciali:	st:			
Title: HES S	pecialist				A	pproval Date:			Expiration D	ate:		
E-mail Address	: Raymor	nd_aguilar@o	xy.com		C	onditions of A	pproval:					
Date: 9-10	-15		Phone:	(575) 397-8251						Attached		

\* Attach Additional Sheets If Necessary