

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 - NEFF FEDERAL #1 & #3 SWD BATTERY

REMEDIATION PLAN

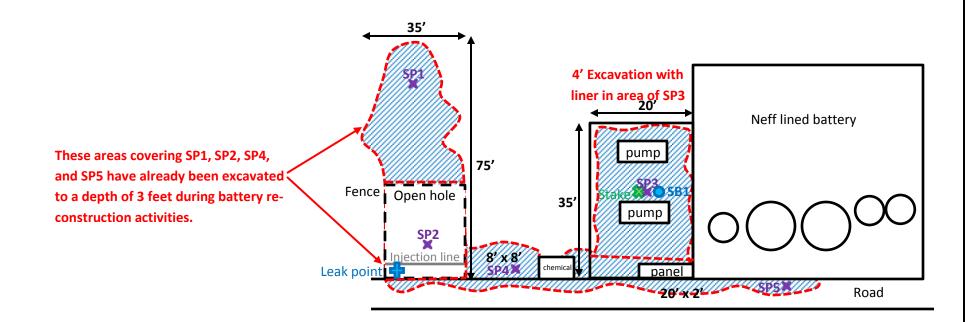
OXY will excavate the spill area as depicted on the following site diagram. The spill area near sample point SP3 will be excavated to a depth of 4 feet and then lined with a 20 mil liner. The rest of the spill area has already been excavated to a depth of 3 feet during battery reconstruction activities and backfilled. This area includes SP1, SP2, SP4, and SP5. The excavated area will be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

N

Оху

Neff Federal #1 & #3 SWD Battery



U/L C, Section 25, T22S, R31E

Eddy County, NM

N 32.36767° W 103.73404°

API# 30-015-28281

BBC Intern	BBC International, Inc.						
Оху							
Neff Federal #1	& #3 SWD Battery						
Date: 08/28/15	DRWG by: K. Purvis						
NOT TO SCALE	File: Oxy 2015						



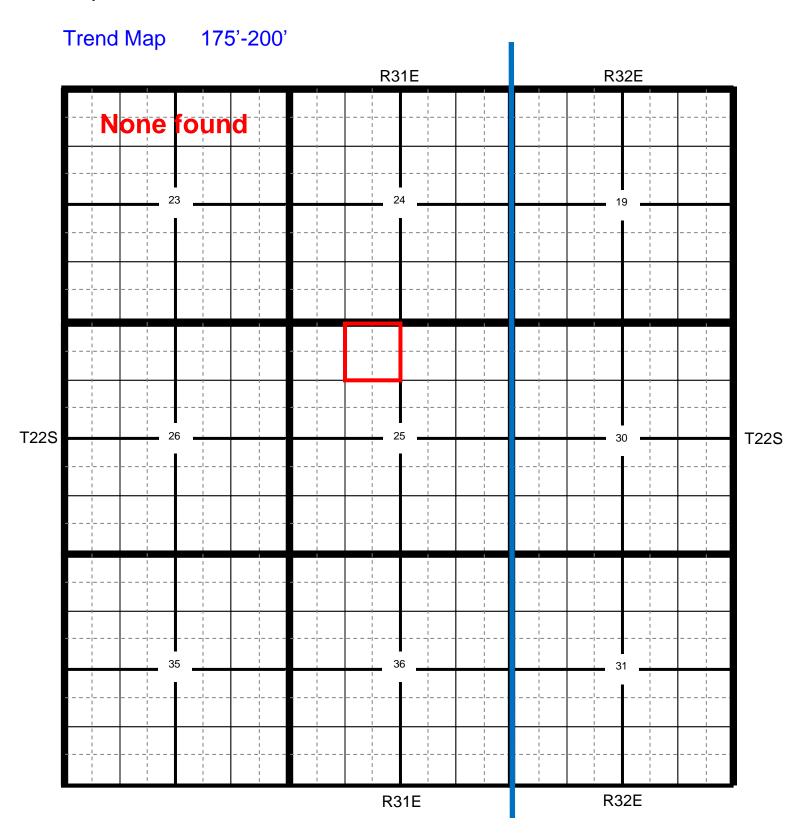
Location

OCD

Groundwater Plot

Oxy Neff Federal #1 & #3 SWD Battery

CountyUnit LetterSectionTownshipRangeEddyC2522S31E



USGS

SEO

All Databases

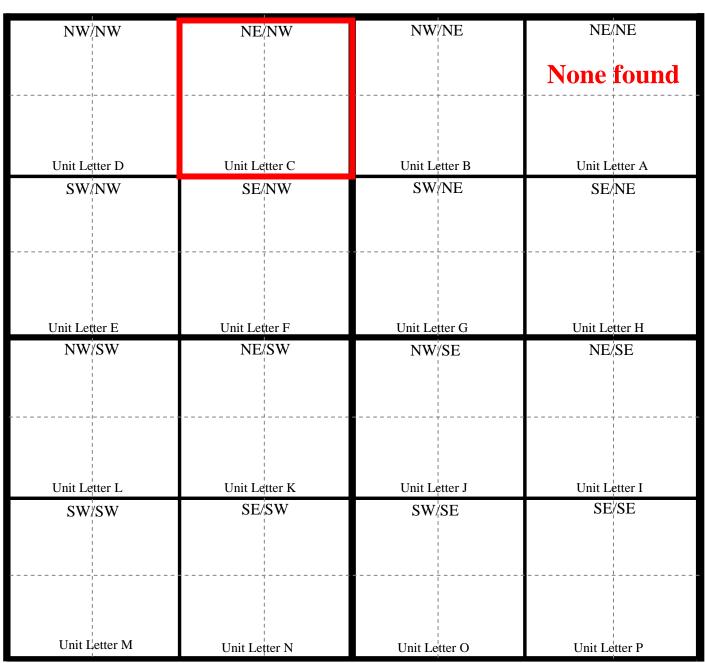
Section Quarters

Oxy Neff Federal #1 & #3 SWD Battery

CountyUnit LetterSectionTownshipRangeEddyC2522S31E

Trend Map 175'-200'

1



3

Laboratory Analytical Results Summary Neff Federal #1 #3 SWD Battery

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	9/22/15	9/22/15	9/22/15	9/22/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		1410	560	320	448

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'
Analyte	Method	Date	9/22/15	9/22/15	9/22/15	9/22/15	9/22/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		5440	3640	1020	368	384

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'	SP3 @ 7'	SP3 @ 9'	SP3 @ 10'	SP3 @ 12'	SP3 @ 14'	SP3 @ 16'	SP3 @ 18'
Analyte	Method	Date	9/22/15	9/23/15	9/23/15	9/23/15	9/23/15	2/22/16	2/22/16	2/22/16	2/22/26	2/22/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		11500	22400	21200	24800	22400	11200	13200	10200	8400	11000

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'
Analyte	Method	Date	9/23/15	9/23/15	9/23/15	9/23/15	9/23/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		34000	1280	1100	352	368

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'	SP5 @ 6'
Analyte	Method	Date	9/23/15	9/23/15	9/23/15	9/23/15	9/23/15	9/23/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		36400	1260	400	464	352	<16.0

Laboratory Analytical Results Summary Neff Federal #1 #3 SWD Battery

		Sample	SB1 @ 20'	SB1 @ 25'	SB1 @ 30'	SB1 @ 35'	SB1 @ 40'	SB1 @ 45'
Analyte	Method	Date	4/19/16	4/19/16	4/19/16	4/19/16	4/19/16	4/19/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		8800	8400	12000	6200	5300	16



September 30, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NEFF 1 & 3

Enclosed are the results of analyses for samples received by the laboratory on 09/24/15 11:44.

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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/24/2015

Reported: 09/30/2015 Project Name: NEFF 1 & 3 Project Number: NONE GIVEN

Project Location: MILLS RANCH

Sampling Date: 09/22/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP1 @ 1 (H502534-01)

Chloride, SM4500Cl-B	mg	mg/kg		d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	09/29/2015	ND	464	116	400	0.00	
Sample ID: SP1 @ 2 (H50	02534-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/29/2015	ND	464	116	400	0.00	
Sample ID: SP1 @ 3 (H50	02534-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/29/2015	ND	464	116	400	0.00	
Sample ID: SP1 @ 4 (H50	02534-04)								
Chloride, SM4500CI-B	•		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/29/2015	ND	464	116	400	0.00	

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/24/2015

Reported: 09/30/2015
Project Name: NEFF 1 & 3
Project Number: NONE GIVEN
Project Location: MILLS RANCH

Sampling Date: 09/22/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP2 @ 1 (H502534-05)

Chloride, SM4500Cl-B		ng/kg Ar		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	09/29/2015	ND	464	116	400	0.00	

Sample ID: SP2 @ 3 (H502534-06)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3640	16.0	09/29/2015	ND	464	116	400	0.00	

Sample ID: SP2 @ 4 (H502534-07)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	09/29/2015	ND	464	116	400	0.00	

Sample ID: SP2 @ 5 (H502534-08)

Chloride, SM4500CI-B	de, SM4500Cl-B mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/29/2015	ND	464	116	400	0.00	

Sample ID: SP2 @ 6 (H502534-09)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/29/2015	ND	464	116	400	0.00	

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Celeg D. Keene



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/24/2015 Reported: 09/30/2015 Sampling Date: 09/22/2015

Sampling Type: Soil

Project Name: NEFF 1 & 3
Project Number: NONE GIVEN
Project Location: MILLS RANCH

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP3 @ 1 (H502534-10)

Chloride, SM4500Cl-B	hloride, SM4500Cl-B mg/kg			d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11500	16.0	09/29/2015	ND	464	116	400	0.00	

Sample ID: SP3 @ 3 (H502534-11)

Chloride, SM4500Cl-B	mg/kg			d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22400	16.0	09/29/2015	ND	464	116	400	0.00	

Sample ID: SP3 @ 5 (H502534-12)

Chloride, SM4500Cl-B	Analyze	d By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21200	16.0	09/29/2015	ND	464	116	400	0.00	

Sample ID: SP3 @ 7 (H502534-13)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24800	16.0	09/29/2015	ND	464	116	400	0.00	

Sample ID: SP3 @ 9 (H502534-14)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22400	16.0	09/29/2015	ND	464	116	400	0.00	

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/24/2015

Reported: 09/30/2015
Project Name: NEFF 1 & 3
Project Number: NONE GIVEN

Project Location: MILLS RANCH

Sampling Date: 09/23/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP4 @ 1 (H502534-15)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34000	16.0	09/29/2015	ND	464	116	400	0.00	

Sample ID: SP4 @ 2 (H502534-16)

Chloride, SM4500Cl-B	mg/kg			d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	09/29/2015	ND	464	116	400	0.00	

Sample ID: SP4 @ 3 (H502534-17)

Chloride, SM4500Cl-B	mg,	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	09/29/2015	ND	464	116	400	0.00	

Sample ID: SP4 @ 4 (H502534-18)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/29/2015	ND	416	104	400	0.00	

Sample ID: SP4 @ 5 (H502534-19)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/29/2015	ND	416	104	400	0.00	

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Celeg D. Keene



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/24/2015

MILLS RANCH

Reported: 09/30/2015
Project Name: NEFF 1 & 3
Project Number: NONE GIVEN

ax 10. (3/3) 39/-039

Sampling Date: 09/23/2015

Sampling Type: Soil
Sampling Condition: Cool & Intact

Sample Received By: Judy Garcia

Sample ID: SP5 @ 1 (H502534-20)

Project Location:

Chloride, SM4500Cl-B mg/kg		/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36400	16.0	09/29/2015	ND	416	104	400	0.00	
Sample ID: SP5 @ 2 (H502	534-21\								

Sample ID: SP5 @ 2 (H502534-21)

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	09/29/2015	ND	416	104	400	0.00	

Sample ID: SP5 @ 3 (H502534-22)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	09/29/2015	ND	416	104	400	0.00	

Sample ID: SP5 @ 4 (H502534-23)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	09/29/2015	ND	416	104	400	0.00	

Sample ID: SP5 @ 5 (H502534-24)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/29/2015	ND	416	104	400	0.00	

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/24/2015 Sampling Date: 09/23/2015

Reported: 09/30/2015 Sampling Type: Soil

Project Name: NEFF 1 & 3 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: MILLS RANCH

Sample ID: SP5 @ 6 (H502534-25)

Chioride, SM4500CI-B	mg/	кд	Anaiyze	а ву: АР					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2015	ND	416	104	400	0.00	

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUES

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(505) 393-2326 FAX (505) 393-2476		
Company Name: BBC International, Inc.		ANALIGIONEGO
Project Manager: Cliff Brunson	P.O. #:	
Address: P.O. Box 805		
State: N	Zip: 88241 Attn: CV	
5-397-6388 Fax #:	575-397-0397 Address: Lunner	
Project #: Project Owner:	: OXY city:	
Project Name: West 14-3	State: Zip:	
Project Location: Mills Panch	Phone #:	
Sampler Name:	Fax #:	
FOR LAB USE ONLY		
Lab I.D. Sample I.D.	CONTAINERS ROUNDWATER ASTEWATER DIL LUDGE THER: CID/BASE: EE/COOL THER:	<i>Cl-</i>
50/01	>>	X X
000	× × × //2	
5 50261	611 4 1 125	90 ×
40		
3 06	2	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether	Trings is 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 client	I for the applicable
analyses. An utamina involving involve to incorporation of consequential damages, includ service. In no event shall Cardinal be liable for incidental or consequential damages, includ affiliates or successors/affising out of or related to the performance of services hereunder by	allalyses, At Joann's including whose for increasing the consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal leader the liable for includental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries affiliates or successory drising 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. Phone Result Phone Result	Phone Result: ☐ Yes ☐ No Add'I Phone #:
7 To	Received By: Fax Result: REMARKS:	□ Yes □ No
Relinquished By: Date Hu	5	
Delivered By: (Circle One)	Sample Condition CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:	Tyes Tyes	

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

Page 9 of 11



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

500

(505) 393-2326 FAX (505) 393-2476			
Company Name: BBC International, Inc.	BILL	ANALYSIS REQUEST	
Project Manager: Cliff Brunson	P.O. #:		
Address: P.O. Box 805	Company:		
City: Hobbs State: NM	Zip: 88241 Attn: (
5-397-6388 Fax #:	575-397-0397 Address		
Project #: Project Owner:	City:		
Project Name: Wff /+3	State: Zip:		
Project Location: Mills Reach	Phone #:		
Sampler Name:	Fax #:		
FOR LAB USE ONLY	MATRIX PRESERV.	SAMPLING	
Lab I.D. Sample I.D.	ROUNDWATER WASTEWATER SOIL DIL SLUDGE DTHER: CCID/BASE: CCE / COOL DTHER:	DATE TIME	
11 <080 3	# V S S C C S S C S C S S C C S S C S C S S C C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S S C S C S C S S C S C S C S S C	ma.	
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200	×>	128	
50	~ · ·	1250 %	
PLEASE NOTE: Liability and Damages Cardina's liability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages Cardina's liability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable	Tar'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's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the clerk that the december of the contract or tort, shall be limited to the amount paid by the client and the contract or tort, shall be limited to the amount paid by the client and the client and the contract or tort, shall be limited to the amount paid by the client and the	amount paid by the clieft for the 0 days after completion of the applicable	
service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by criefit, as supervised in the enterprise of whether such claim is based upon any of the above stated reasons or otherwise.	, including without limitation, business interruptions, loss of use, or loss of profits inc under by Cardinal, regardless of whether such claim is based upon any of the above		
Relinquished By: Time:	Received By:		
Refinquished By: Date 44	Received By:		
Delivered By: (Circle One)	Sample Condition CHECKED BY:	BY:	
Sampler - UPS - Bus - Other:	Tres Pres		

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

92 B	2) 200 -0-0 (200) 200	5000		J
Project Manager	BBC International, Inc.	BO#: BILLETO	ANALISIS REQUEST	
w	ox 805	Company:		
city: Hobbs	State: NM	Zip: 88241 Attn: CT		
Phone #: 575-397-6388	Fax #: 575	-0397 Address:		
Project #:	Project Owner:	OXY City:		
Project Name:	143 143	State: Zip:		
Project Location:	Will' Renett	Phone #:		100
Sampler Name:	170	Fax #:		
FOR LAB USE ONLY	MP.	MATRIX PRESERV. SAMPLING	/_	
Lab I.D.	Sample I.D.	# CONTAINERS GROUNDWATE WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	
303	3 205 ds	×	000 X	
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PLEASE NOTE: Liability and Da analyses. All claims including the service. In no event shall Cardina and finance or suppressions of the services.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, sha arabyses. At claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received be service. In one event shall Cardinal to liable for incidental or consequential damages, including without limitation, business anientuplations, loss of use service. In overent shall Cardinal to the labels for incidental or consequential damages, including without imitations, business anientuplation is a service. In other consequential damages, including without imitation, business and consequently a service of services hereinder by Cardinal report of whether such claim is based up.	il be limited to the amount paid b y Cardinal within 30 days after o or loss of profits incurred by clie on any of the above stated reaso	y fire client for the organization of the applicable of the applic	
	Pate: 7	a a	Phone Result:	
Relinquished By:	Date Rec	Received By: Man Gucua		
Sampler - UPS - Bus - Other:	Sus - Other:	Cool Intact (mitials) Yes No No		



March 04, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NEFF 1 & 3

Enclosed are the results of analyses for samples received by the laboratory on 03/01/16 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/01/2016

03/04/2016

mg/kg

mg/kg

Result

8400

Reporting Limit

16.0

Project Name: NEFF 1 & 3
Project Number: NONE GIVEN
Project Location: MILLS RANCH

Sampling Date: 02/22/2016

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 10' (H600457-01)

Reported:

Chloride, SM4500Cl-B

Chloride, SM4500Cl-B

Chloride

Analyte

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	03/04/2016	ND	400	100	400	3.92	
Sample ID: SP 3 @ 12' (F	1600457-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	03/04/2016	ND	400	100	400	3.92	
Sample ID: SP 3 @ 14' (F	1600457-03)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte									

Analyzed By: AP

Analyzed By: AP

Method Blank

ND

BS

400

% Recovery

100

True Value QC

400

RPD

3.92

Qualifier

Analyzed

03/04/2016

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

02/22/2016



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/01/2016 Sampling Date:

Reported: 03/04/2016 Sampling Type: Soil Project Name: NEFF 1 & 3 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: MILLS RANCH

Sample ID: SP 3 @ 18 (H600457-05)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	03/04/2016	ND	400	100	400	3.92	

Cardinal Laboratories *=Accredited Analyte

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Bruisson State: NM 2pc 88241 Ann: Company: Project Name: PO Box 805 Fax #: 575-397-0397 Project Name: Po Project Name:
--



April 26, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NEFF 1 & 3

Enclosed are the results of analyses for samples received by the laboratory on 04/21/16 8:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Celey D. Keine

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



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 04/21/2016

Sampling Date: 04/19/2016

Reported: 04/26/2016

Sampling Type: Soil

Project Name: NEFF 1 & 3
Project Number: NONE GIVEN
Project Location: MILLS RANCH

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SB 1 @ 20' (H600864-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	04/22/2016	ND	416	104	400	0.00	
Sample ID: SB 1 @ 25' (H	1600864-02)								
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	04/22/2016	ND	416	104	400	0.00	
Sample ID: SB 1 @ 30' (H	1600864-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	04/22/2016	ND	416	104	400	0.00	
Sample ID: SB 1 @ 35' (H	1600864-04)								
Chloride, SM4500CI-B	mg,	mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6200	16.0	04/22/2016	ND	416	104	400	0.00	

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 04/21/2016

Sampling Date: 04/19/2016

Reported: 04/26/2016 Project Name: NEFF 1 & 3 Sampling Type: Soil
Sampling Condition: Cool 8

Project Number: NONE GIVEN
Project Location: MILLS RANCH

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SB 1 @ 40' (H600864-05)

Chloride, SM4500Cl-B mg/kg

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 5300 16.0 04/22/2016 ND 416 104 400 0.00

Analyzed By: HM

Sample ID: SB 1 @ 45' (H600864-06)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM Reporting Limit Analyzed BS True Value QC RPD Qualifier Analyte Result Method Blank % Recovery Chloride 16.0 16.0 04/22/2016 416 104 400 0.00 ND

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Celeg D. Freene



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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

sanalyses All claims including those for negligence and any other cause whatstoever shall be deemed waived uples as made in writing and received by Cardinal within 20 days and self-competing of the applicable service. In no event shall Cardinate be liable for productal and consequential damages, including without limitation, business indemulsions, loss of use or loss of profits incurred by client, its subsidiaries. Relinquished By: Date	Sam Sam SB G	Sampler Name: //CUER HERMANEL	Project Location:	Project Name: NEFF FED # 183	Project #: Project Owner: Of	Phone #: 575-397-6388 Fax #: 575-397-0397	city: Hobbs State: NM Zip: 88241	O. Box 805	Project Manager: Cliff Brunson	Company Name: BBC International, Inc.
Time: Sample Condition Sample Condition Sample Condition CHECKED BY: COOL Matabase with the base of the clear by the clear to the part of the constitution of the applicable to receive the carried which of the applicable to receive the carried by carried regardless of whether such claim is based upon any of the above stated reasons or cheeves Time: Time: Sample Condition CHECKED BY: COOL Matact CHECKED BY: COOL Matact CHECKED BY: CHECKED BY:	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER: OTHER: ACID/BASE: ICE/COOL OTHER: OTHER: ACID/BASE: ICE/COOL OTHER: ACID/BASE: ICE/COOL OTHER: ACID/BASE: ICE/COOL OTHER: ACID/BASE: ICE/COOL OTHER: ACID/BASE:	Fax#:	Phone #:	State: Zip:	City:	397 Address:	a de la constante de la consta	Company: OXY	P.O. #:	BILL TO
es □ No Add'l Phone #: es □ No Add'l Fax #:										ANALYSIS REQUEST

District I 1625 N. French Dr., Hobbs, NM 88240 811 S. First St., Artesia, NM 88210 1000 Rio Brazos Road, Aztec, NM 87410

State of New Mexico Energy Minerals and Natural Resources

Submit 1 Copy to appropriate District Office in

Form C-141

Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Du

accordance with 19.15.29 NMAC.

1220 South St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505														
			Rele	ease Notific	catio	n and Co	orrective A	ction	1					
						OPERA'	TOR	al Report		Final Repor				
Name of Co		Oxy Permia				Contact Chancey Summers								
		ive, Midland				Telephone No. (432) 685-5824								
Facility Nat	ne Neff	Federal #1	and #3 SV	VD Battery		Facility Type Battery								
Surface Ow	ner BLN	API No.30-015-28281												
				LOC	ATIO	N OF REI	LEASE							
Unit Letter	Section	Township				1/South Line	Feet from the	East/V	West Line	County				
С	25	22S	31E					Eddy Cour				M		
			I	Latitude N 32.3	36758°	Longitu	de W 103.7341	8°						
				NAT	TURF	OF REL		_						
Type of Relea	ase Produ	ced water			Volume of Release Unknown, Volume Recovered 80 bbls, mostly rain									
						mixed with rain water water								
Source of Re	lease Cor	Date and Hour of Occurrence Date and Hour of Discovery 08/24/2015					r							
Was Immedia	ate Notice C	Hven?				If YES, To Whom?								
		\boxtimes	Yes 🗌	No 🗌 Not Re	equired	Mike Bratcher and Heather Patterson, NMOCD and Shelly Tucker, BLM								
By Whom?			rnational			Date and Hour 08/25/2015 @ 3:06 pm								
Was a Watero	course Reac	hed?	Yes 🛛	No		If YES, Volume Impacting the Watercourse.								
If a Watercou	rse was Imp	pacted, Descri	ibe Fully.*											
Describe Cau	se of Proble	m and Remed	dial Action	Taken.*								-		
Corresion of	a 4" steel di	scharge line c	eaused an r	inknown amount	of prod	luced water to	leak onto the gro	und Th	e line was	renaired and	9 1/9/2	num truck		

The affected area is approximately 80' x 75' just west of the lined battery. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM. 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: Approved by Environmental Specialist: Printed Name: Chancey Summers Title: HES Lead Approval Date: Expiration Date: E-mail Address: Chancey Summers@oxy.com Conditions of Approval: Attached Phone: (432) 685-5824

recovered 80 bbls of fluids, mostly rain water.

Describe Area Affected and Cleanup Action Taken.*

Attach Additional Sheets If Necessary