Bratcher, Mike, EMNRD

From:	Cliff P. Brunson [cbrunson@bbcinternational.com]
Sent:	Saturday, September 17, 2011 3:43 PM
To:	Bratcher, Mike, EMNRD
Cc:	Dusty Wilson; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	Oxy US Federal 13-2
Attachments:	Oxy-US Federal 13-2 Site drawing and lab data.pdf; Oxy-US Federal 13-2 Site Pictures.pdf
Follow Up Flag:	Follow up
Flag Status:	Flagged

Mike,

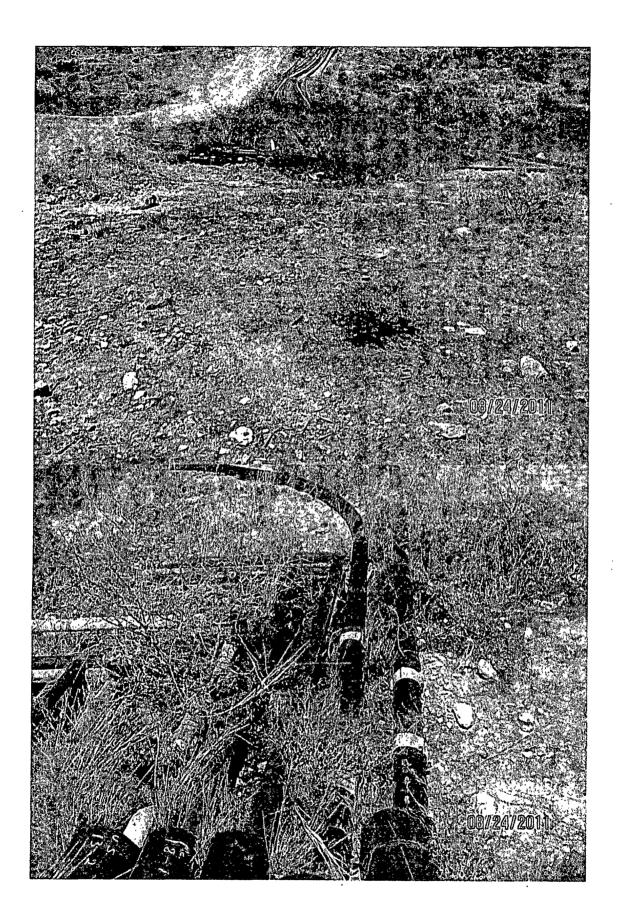
This e-mail is to confirm our discussion on September 13, 2011 concerning the remediation plan for the release that occurred at the Oxy US Federal 13-2. As agreed, Oxy will excavate 6 inches of the impacted soil in the spill area and in the area of SP-2, the excavation will be 1 foot and a confirmation sample will be collected to verify the hydrocarbons are below 5,000 ppm which is the NMOCD guideline. The excavation will then be backfilled with clean soil. The depth to groundwater is this area is approximately 100 feet.

I have attached the site drawing and laboratory data and a few pictures that we reviewed during our discussion for your files. If you would please reply back via e-mail with your concurrence of this remediation plan, it would be greatly appreciated.

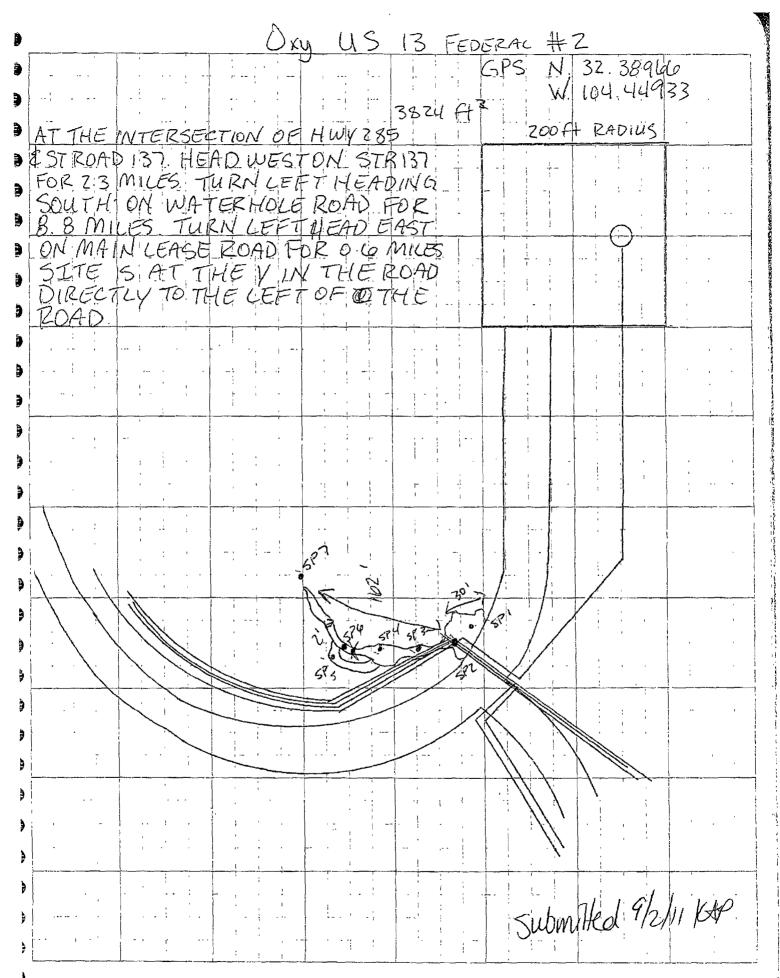
Oxy and I thank you for your assistance in handling this matter.

Thanks, Cliff

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hele - The Keine



September 08, 2011

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

RE: US 13 FED #2

Enclosed are the results of analyses for samples received by the laboratory on 09/02/11 16:12.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

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 (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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	09/02/2011	Sampling Date:	09/01/2011
Reported:	09/08/2011	Sampling Type:	Soil
Project Name:	US 13 FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ SURFACE (H101881-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/06/2011	ND	400	100	400	7.69	

Sample ID: SP 1 @ 1' (H101881-02)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/06/2011	ND	400	100	400	7.69		

Sample ID: SP 2 @ SURFACE (H101881-03)

BTEX 8021B	. mg	mg/kg		Analyzed By: CMS		· · · · · · · · · · · · · · · · · · ·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2011	ND	2.42	121	2.00	7.65	
Toluene*	0.063	0.050	09/07/2011	ND	2.37	118	2.00	9.63	
Ethylbenzene*	0.089	0.050	09/07/2011	ND	2.36	118	2.00	8.37	
Total Xylenes*	0.241	0.150	09/07/2011	ND	7.07	118	6.00	8.03	

Surrogate 4-Bromofluorobenzene (PIL 103 % 64.4-134

Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	09/06/2011	ND	400	100	400	7.69	
трн 8015м	mg	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	· 102	50.0	09/07/2011	ND	169	84.5	200	1.21	

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Celey D. Keine



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

Received:	09/02/2011	Sampling Date:	09/01/2011
Reported:	09/08/2011	Sampling Type:	Soil
Project Name:	US 13 FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ SURFACE (H101881-03)

TPH 8015M	mg/	kġ	Analyze	d By: ab	·				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
DRO >C10-C28	19600	50.0	09/07/2011	ND	171	85.3	200	0.811	
Surrogate: 1-Chlorooctane	102 %	6 55 5-15	4						
Surrogate: 1-Chlorooctadecane	106%	6 57.6-15	8						

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Received:	09/02/2011	Sampling Date:	09/01/2011
Reported:	09/08/2011	Sampling Type:	Soil
Project Name:	US 13 FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 6" (H101881-04)

BTEX 8021B	mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2011	ND	2,42	121	2.00	7.65	
Toluene*	0.077	0.050	09/07/2011	ND	2.37	118	2.00	9.63	
Ethylbenzene*	0.176	0.050	09/07/2011	ND	2,36	118	2,00	8.37	
Total Xylenes*	0.422	0.150	09/07/2011	NÐ	7.07	118	6.00	8.03	

Surrogate: 4-Bromofluorobencene (PIL 124 % 64.4-134

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM		·····	······································		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	09/06/2011	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	65.6	50.0	09/07/2011	ND	169	84.5	200	1.2 1	
DRO >C10-C28	5470	50.0	09/07/2011	ND	171	85.3	200	0.811	
Surrogate. 1-Chlorooctane	116	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	102	% 57.6-15	8						

Sample ID: SP 3 @ SURFACE (H101881-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	09/06/2011	ND	400	100	400	7.69	

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		Cliff Brunsor	า			
		P.O. Box 80	5			
		Hobbs NM, a	88241			
		Fax To:	(505) 397-0397	,		
Received:	09/02/2011		•	Sampling Date:	09,	/01/2011
Reported:	09/08/2011			Sampling Type:	So	il
Project Name:	US 13 FED #2			Sampling Condition:	Co	ol & Intact
Project Number:	NONE GIVEN			Sample Received By:	Joc	di Henson
Project Location:	NOT GIVEN					

Sample ID: SP 3 @ 6" (H101881-06)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/06/2011	ND	400	100	400	7.69	

Sample ID: SP 4 @ SURFACE (H101881-07)

BTEX 8021B	mg,	/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	ВŞ	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2011	ND	2.42	121	2.00	7.65	
Toluene*	<0.050	0.050	09/07/2011	ND	2.37	118	2.00	9.63	
Ethylbenzene*	<0.050	0.050	09/07/2011	ND	2.36	118	2.00	8.37	
Total Xylenes*	0.163	0.150	09/07/2011	ND	7.07	118	6.00	8.03	
······									

Surrogate: 4-Bromofluorobenzene (PIL 107 %

64.4-134

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/06/2011	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.1	10.0	09/07/2011	ND	169	84.5	200	1.21	
DRO >C10-C28	645	10.0	09/07/2011	ND	171	85.3	200	0.811	
Surrogate: 1-Chlorooctane	102	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	95.8	% 57.6-15	8						

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Celuz D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	09/02/2011	Sampling Date:	09/01/2011
Reported:	09/08/2011	Sampling Type:	Soil
Project Name:	US 13 FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodr Henson
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 6" (H101881-08)

BTEX 8021B	mg/kg		Analyzed By: CMS					_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2011	ND	2.42	121	2.00	7.65	
Toluene*	<0.050	0.050	09/07/2011	ND	2.37	118	2.00	9.63	
Ethylbenzene*	<0.050	0.050	09/07/2011	ND	2.36	118	2.00	8.37	
Total Xylenes*	0.164	0,150	09/07/2011	ND	7.07	118	6.00	8.03	

Surrogate: 4-Bromofluorobenzene (PIL 109 % 64.4-134

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM				<u></u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/06/2011	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: ab		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	169	84.5	200	1. 21	
DRO >C10-C28	283	10.0	09/07/2011	ND	171	85.3	200	0.811	
Surrogate: 1-Chlorooctane	106	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	105	% 57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	09/02/2011	Sampling Date:	09/01/2011
Reported:	09/08/2011	Sampling Type:	Soil
Project Name:	US 13 FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ SURFACE (H101881-09)

BTEX 8021B	mg	kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2011	ND	2.42	121	2.00	7.65	
Toluene*	0.07,3	0.050	09/07/2011	ND	2.37	118	2.00	9.63	
Ethylbenzene*	0,087	0.050	09/07/2011	ND	2.36	118	2.00	8.37	
Total Xylenes*	0.287	0.150	09/07/2011	ND	7.07	118	6.00	8.03	

Surrogate: 4-Bromofluorobenzene (PIL 109 % 64.4-134

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By; HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/06/2011	ND	400	100	400	7.69	
трн 8015м	mg,	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	169	84.5	200	1.21	
DRO >C10-C28	225	10.0	09/07/2011	ND	171	85,3	200	0.811	
Surrogate: 1-Chlorooctane		% 55.5-15	4						
Surrogate: I-Chlorooctadecane	<i>99 2</i>	% 57.6-15	8						

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Received:	09/02/2011	Sampling Date:	09/01/2011
Reported:	09/08/2011	Sampling Type:	Soil
Project Name:	US 13 FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	 Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 1' (H101881-10)

mg,	/kg	Analyze	d By: CMS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	09/07/2011	ND	2.42	121	2.00	7.65	
<0.050	0.050	09/07/2011	ND	2.37	118	2.00	9.63	
<0.050	0.050	09/07/201 1	ND	2,36	118	2.00	8.37	
<0.150	0.150	09/07/2011 ND		7.07	118	6.00	8.03	
	Result <0.050 <0.050 <0.050	<0.050 0.050 <0.050 0.050 <0.050 0.050	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

Surrogate: 4-Bromofluorobenzene (PIL 111 % 64.4-134

Chloride, SM4500Cl-B	តាឲ្យ	/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/06/2011	ND	400	100	400	7.69		
TPH 8015M	mg,	/kg	Analyze	d By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/07/2011	ND	169	84.5	200	1.21		
DR0 >C10-C28	23.4	10.0	09/07/2011	ND	171	85.3	200	0.811		
Surrogate: 1-Chlorooctane	108	% 55.5-15	4			. <u></u>				
Surrogate: 1-Chlorooctadecane	101	% 57.6-15	8							

Sample ID: SP 6 @ SURFACE (H101881-11)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/06/2011	ND	416	104	400	3,77	

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Celey Di Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	09/02/2011	Sampling Date:	09/01/2011
Reported:	09/08/2011	Sampling Type:	Soil
Project Name:	US 13 FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 6 @ 6" (H101881-12)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŚ	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/06/2011	ND	416	104	400	3.77	

Sample ID: SP 7 @ SURFACE (H101881-13)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/06/2011	ND	416	104	400	3.77	

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager

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

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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 5°C or below.
- *** Insufficient time to reach temperature.

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Chloride by SM4500CI-8 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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RDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

Company Name: BBC International, Inc.				i.	BILL TO ANALYSIS REQUEST															
Project Manager	: Cliff Brunson				F	P.O.	#:													
Address: P.O. Box 805					Company:					1										
city: Hobbs	State: NM	Zip:	8824	1	A	\ttn:]					:				
Phone #: 575-3	397-6388 Fax #: 575	-397-0	397			\ddi	ress:			_										
Project #:	Project Owner	<u>; ()</u>	XU			ity:					i									
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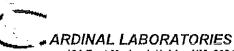
PLEASE NOTL: Leability and Damages. Cardenals lighted and client's exclusive remedy for any claim ausing whether tension in contract or tent, shot he limited to the amount part by the clium for the analyzes All claims including those for negligence and any other cause who server shall be derived varied unless made in writing and received by Car final within 30 days after completion of the applicable servee. In no event shall Cardinal be table for incidental or consequental variages and using wathout annalitien business interruptions, loss of use, or loss of poly-incident its sub-advantes.

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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 ードキ ジーム

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

	BBC International, Inc.		BILL TO	ANALYSIS REQUEST
	Cliff Brunson		P.O. #:	
Address: P.O.	Box 805		Company:	
<u>city:</u> Hobbs		zip: 88241	Attn:	
Phone #: 575-3	397-6388 Fax #: 575	397-0397	Address:	
Project #:	Project Owner	<u>: OXU</u>	City:	
Project Name:	15/3/80#2-		State: Zip:	
Project Location			Phone #:	
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FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING	
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