District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

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.

N/A

Attached

Expiration Date:

Release Notification and Corrective Action OPERATOR ☐ Initial Report Final Report Name of Company Oxy Permian Ltd. Contact Chancey Summers Address 1017 W. Stanolind Rd, Hobbs, NM 88240 Telephone No. (575) 397-8216 Facility Name MLMU #247 Facility Type Well location Surface Owner BLM Mineral Owner API No. 30-025-11044 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County P 24S 37E 550 South 660 East Lea **Latitude** N 32,23288° **Longitude** W 103.20615° NATURE OF RELEASE Type of Release Produced Water Volume of Release 30 bbls Volume Recovered 0 bbls Source of Release Flow line leak Date and Hour of Occurrence Date and Hour of Discovery 07/15/2013 07/15/2013 Was Immediate Notice Given? If YES, To Whom? Geoffrey Leking-NMOCD; Jennifer Van Curen, James Amos-BLM By Whom? Chancey Summers Date and Hour 07/15/2013 @ 10:17 am Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* A leak in a flow line caused 30 bbls of produced water to leak onto the ground. No fluids were recovered and the line was repaired. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 140' x 40'. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD via email on 10/03/2013 and approved by Jennifer Van Curen of the BLM via email on 10/06/2013. 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:

Approval Date: 4/10/2023

None

Conditions of Approval:

Printed Name: Chancey Summers

Title: HES Specialist

E-mail Address: <u>Chancey.Summers@oxy.com</u>

Phone: (575) 397-8216

^{*} Attach Additional Sheets If Necessary

Closure Report

	Site Description							
Site Name:	MLMU #247							
Company:	Oxy Permian Ltd.							
Legal Description:	U/L P, Section 7, T24S, R37E							
County:	Lea County, NM							
GPS Coordinates:	N 32.22630° W 103.19612°							

	Release Data						
Date of Release:	04/07/2016						
Type of Release:	Oil and produced water						
Source of Release:	Compromised 2" steel production flow line						
Volume of Release:	3 bbls oil, 7 bbls produced water						
Volume Recovered:	0 bbls						

Remediation Specifications										
Remediation Parameters: Excavate the area around SP1 to a depth of 1.5 ft. Obtain a bottom confirmation sample at the southern base of that area. Excavate the areas around SP2 & SP3 to a depth of 3 ft. Obtain bottom confirmation samples at both. Excavate the area around SP4 to 4 f and place a liner in the excavation. Obtain cardinal sample points.										
Remediation Activities:	09/01/2017 to 0	9/12/2017								
Plan Sent to OCD:	01/28/2017	Email from Cliff Brunson to Kristen Lynch								
OCD Approval of Plan:	03/01/2017	Email from Olivia Yu to Cliff Brunson								
Plan Sent to BLM:	n/a	n/a								
BLM Approval of Plan:	n/a	n/a								

	Supporting Documentation
Initial C-141	Signed 04/11/2016
Final C-141	Upon completion
Site Diagram	April 2016
Groundwater Plot	100'-125'
TOPO Maps	April 2016
Lab Summary	04/14/2016-04/15/2016, 10/20/2016, and 09/08/2017
Lab Analysis	04/14/2016-04/15/2016, 10/20/2016, and 09/08/2017
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan, BBC requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

10/11/2017

State of New Mexico Energy Minerals and Natural Resources

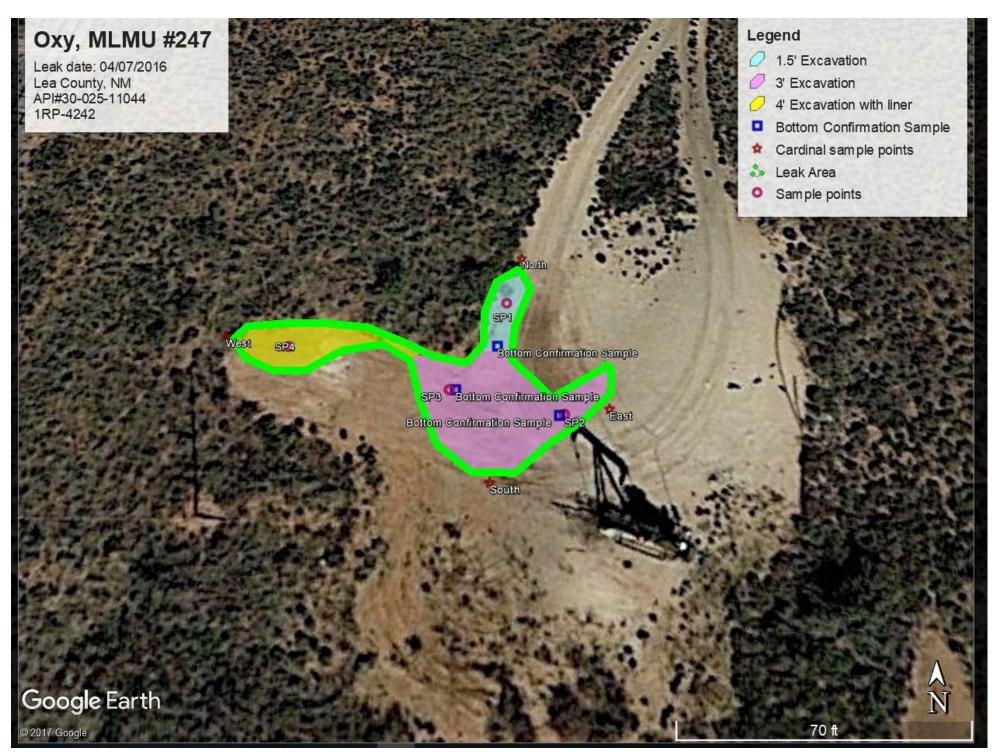
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141

Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notificati	on and Co	rrective A	ction					
	OPERAT		\boxtimes	Initia	ıl Report		Final Report	
Name of Company Oxy Permian Ltd. Address 6 Desta Drive, Midland, TX 79705	Contact Casey Summers							
Address 6 Desta Drive, Midland, TX 79705 Facility Name MLMU #247	Telephone No. (575) 513-8289 Facility Type Well							
Surface Owner Kelly Myers Mineral Owner								
				APINO	. 30-023-	11044		
·	ON OF REI	Feet from the	East/Wes	t Lina	County		1	
	tursouth Line	rect from the	Last wes	it Line	1			
P 7 24S 37E					Lea Coun	ty, NM		
Latitude N 32.2262:	5° Longitud RE OF RELI	de <u>W 103.1956</u> FASE	<u>7°</u>					
Type of Release Oil and produced water		Release 3 bbls o	oil, V	olume R	lecovered	0 bbls		
<u> </u>	7 bbls prod							
Source of Release Compromised 2" steel production flow line	04/07/2016	our of Occurrenc	e D	ate and	Hour of Dis	covery		
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Requir	If YES, To ed Jamie Keye							
By Whom? Kathy Purvis @ BBC International		our 04/07/2010	5 @ ∆:07 n	m				
Was a Watercourse Reached?		lume Impacting t						
☐ Yes ☒ No								
If a Watercourse was Impacted, Describe Fully.*				50%				
Describe Cause of Problem and Remedial Action Taken.* A compromised 2" steel production flow line leaked 3 bbls of oil and 7 repaired/replaced.	7 bbls of produced	d water. No fluid	ls were reco	overed a	nd the line	was		
Describe Area Affected and Cleanup Action Taken.*			****					
The affected area is approximately 12' x 25' both on and off location a remediation plan approved by NMOCD.	about 45' west of	the wellhead. Re	emediation	will be	completed i	n accord	dance with a	
I hereby certify that the information given above is true and complete t regulations all operators are required to report and/or file certain releas public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remed or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	e notifications and the NMOCD made the the the the the the the the the th	d perform correctarked as "Final Record that pose a three	tive actions eport" does eat to grout	s for rele s not reli nd water	eases which eve the ope , surface wa	may en rator of ater, hui	idanger Tiability man health	
redetal, state, or local taws amount regulations.	1	OIL CONS	SERVA	TION	DIVISIO	ON		
Signature:								
Printed Name: Casey Summers	Approved by	Environmental S	pecialist:					
Title: NM Environmental Advisor	Approval Date	e:	Exp	oiration l	Date:			
E-mail Address: Casey Summers@oxy.com	Conditions of	Conditions of Approval:						
Date: Phone: (575) 513-8289 Attach Additional Sheets If Necessary								
. time / toditional officels It Precessary							-	
							9	



Oxy, MLMU #247

Sample points, hand auger

SP1, N 32.22638 W-103.19569

SP2, N 32.22628 W-103.19564

SP3, N 32.22630 W-103.19574

SP4, N 32.22634 W-103.19589

NORTH, N 32.22643 W-103.19568

SOUTH, N 32.22623 W-103.19571

EAST, N 32.22629 W-103.19560

WEST, N 32.22635 W-103.19595

Oxy, MLMU #247

U/L P, Section 7, T24S, R37E

Groundwater: 100-125'

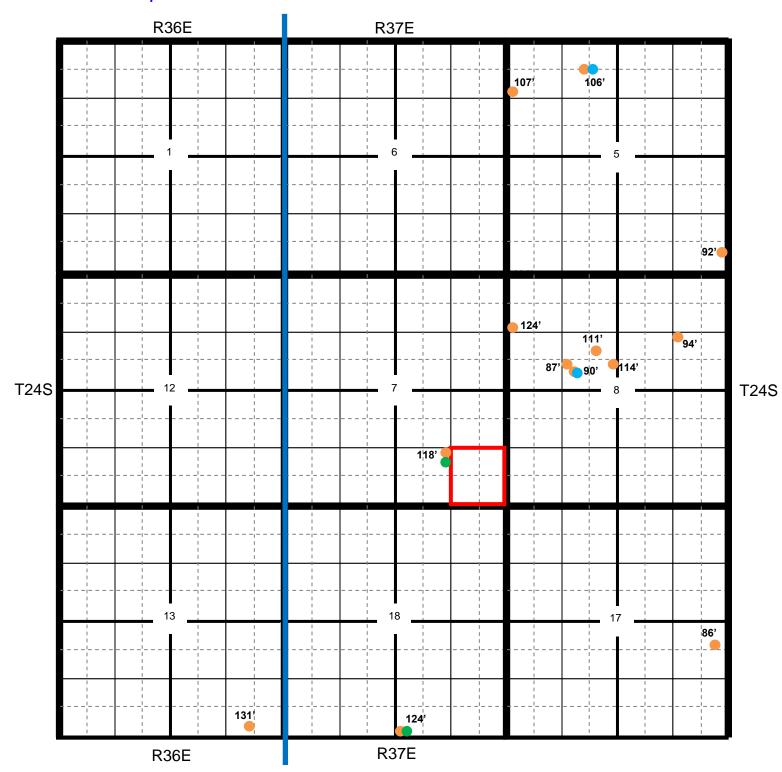


Groundwater Plot

Oxy MLMU #247

CountyUnit LetterSectionTownshipRangeLea CountyP724S37E

Trend Map 100'



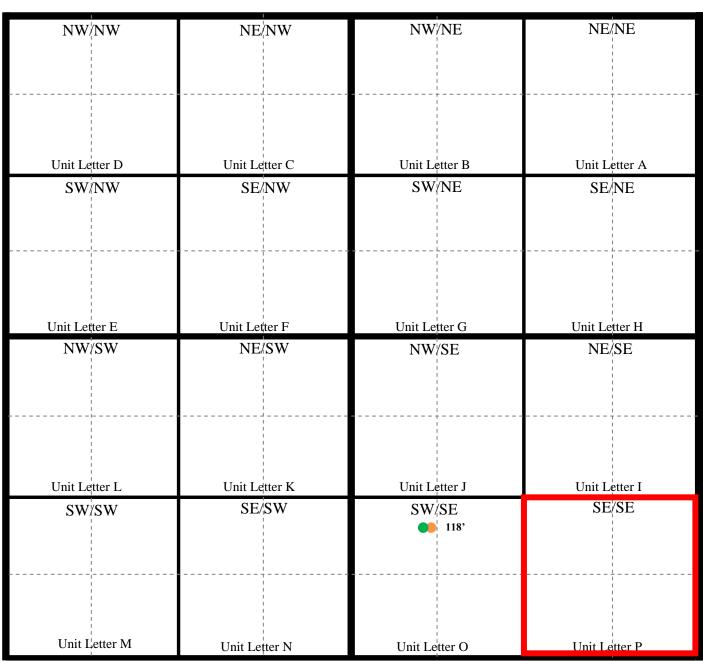
Section Quarters

Oxy MLMU #247

CountyUnit LetterSectionTownshipRangeLea CountyP724S37E

Trend Map 100'

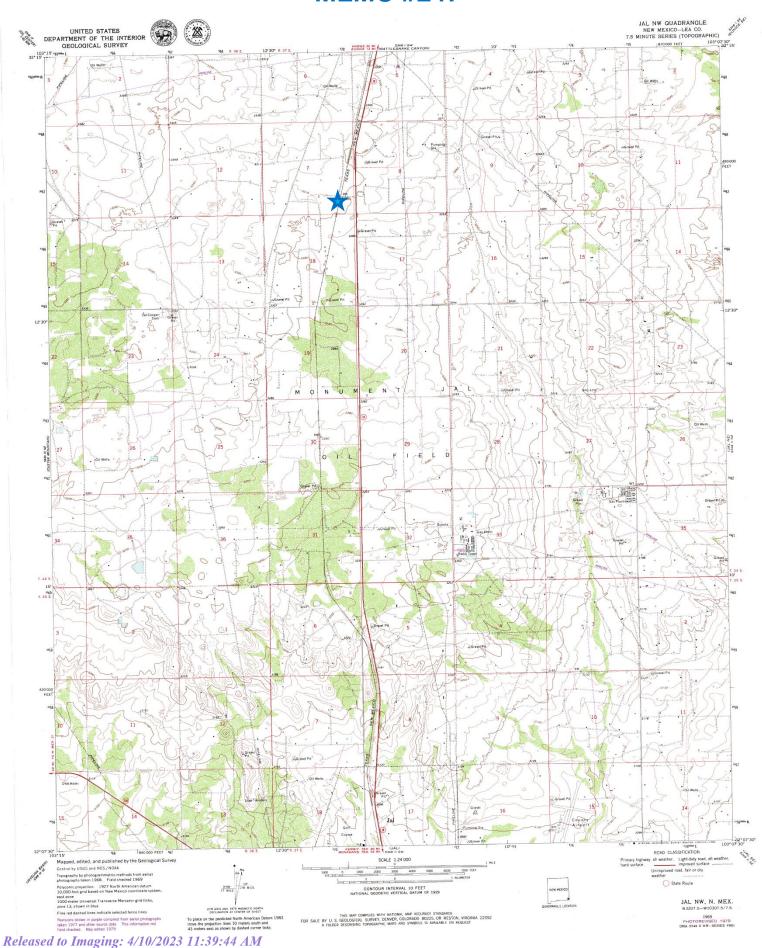
1



3

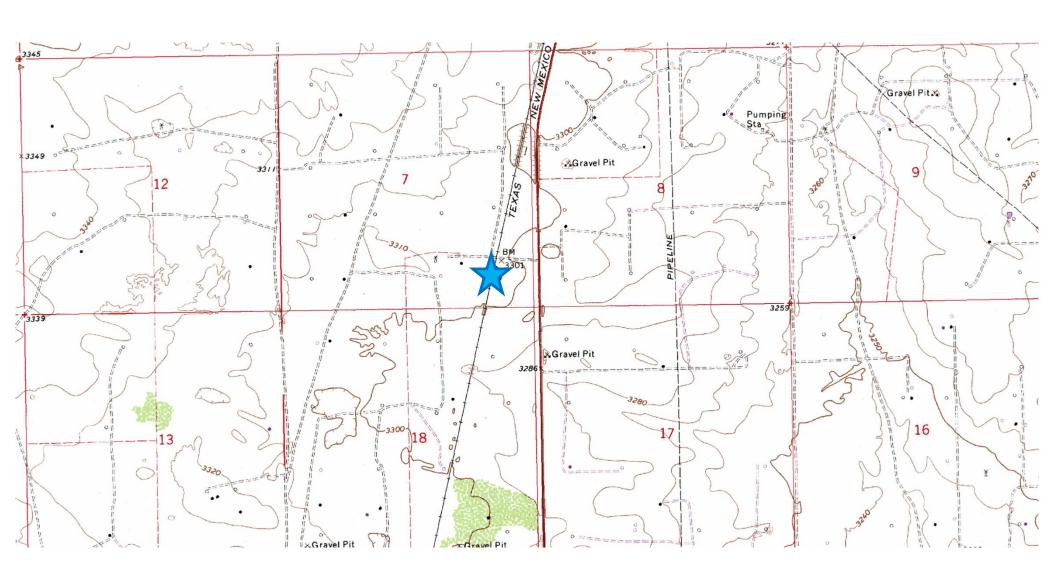
Оху

MLMU #247



Оху

MLMU #247



Laboratory Analytical Results Summary MLMU #247

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	4/14/16	4/14/16	4/14/16	4/14/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a
Toluene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a
Total Xylenes	BTEX 8021B		< 0.150	< 0.150	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	< 0.300	n/a	n/a
Chloride	SM4500CI-B		1440	80	80	16
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	4/14/16	4/14/16	4/14/16	4/14/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a
Toluene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	< 0.150	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	< 0.300	n/a	n/a
Chloride	SM4500CI-B		1200	1420	640	96
GRO	TPH 8015M	•	<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		14.1	<10.0	n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 6'	SP3 @ 7'	SP3 @ 8'	SP3 @ 9'	SP3 @ 10'
Analyte	Method	Date	4/14/16	4/14/16	4/14/16	4/14/16	4/14/16	4/15/16	10/20/16	10/20/16	10/20/16
			mg/Kg								
Benzene	BTEX 8021B		< 0.050	< 0.050	n/a						
Toluene	BTEX 8021B		< 0.050	< 0.050	n/a						
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	n/a						
Total Xylenes	BTEX 8021B		<0.150	< 0.150	n/a						
Total BTEX	BTEX 8021B		< 0.300	< 0.300	n/a						
Chloride	SM4500CI-B		1300	176	752	256	640	592	480	512	32
GRO	TPH 8015M		<10.0	<10.0	n/a						
DRO	TPH 8015M		<10.0	<10.0	n/a						

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 5'	SP4 @ 7'	SP4 @ 9'	SP4 @ 10'	SP4 @ 11'	SP4 @ 16'	SP4 @ 20'	SP4 @ 30'	SP4 @ 35'	SP4 @ 40'	SP4 @ 41'	SP4 @ 42'
Analyte	Method	Date	4/15/16	4/15/16	4/15/16	4/15/16	4/15/16	4/15/16	10/20/16	10/20/16	10/20/16	10/20/16	10/20/16	10/20/16	10/20/16	10/20/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		< 0.150	< 0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	< 0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		1310	2080	1360	2000	1800	1880	928	1280	1640	1010	400	288	288	256
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary MLMU #247

CONFIRMATION	ON	Sample	SP1 @ BOTTOM	SP2 @ BOTTOM	SP3 @ BOTTOM
Analyte	Method	Date	9/8/17	9/8/17	9/8/17
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		112	80	80

CONFIRMATION	CONFIRMATION		NORTH	NORTH EAST		SOUTH	
Analyte	Method	Date	9/8/17	9/8/17	9/8/17	9/8/17	
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Chloride	SM4500CI-B		32	<16.0	16	16	



April 26, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #247

Enclosed are the results of analyses for samples received by the laboratory on 04/21/16 8:35.

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



Analytical Results For:

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

Fax To: (575) 397-0397

Received: 04/21/2016

Reported: 04/26/2016
Project Name: MLMU #247
Project Number: NONE GIVEN

Project Location: JAL, NEW MEXICO

Sampling Date: 04/14/2016

Sampling Type: Soil

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

Sample ID: SB 1 @ 1' (H600863-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.14	107	2.00	2.41	
Toluene*	<0.050	0.050	04/22/2016	ND	2.06	103	2.00	2.59	
Ethylbenzene*	< 0.050	0.050	04/22/2016	ND	1.87	93.6	2.00	3.31	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.74	95.6	6.00	3.02	
Total BTEX	<0.300	0.300	04/22/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	04/22/2016	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	
Surrogate: 1-Chlorooctane	80.9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	86.2	% 28-171							

Cardinal Laboratories *=Accredited Analyte

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Celey & Keene



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 04/21/2016 Sampling Date: 04/14/2016

Reported: 04/26/2016 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: JAL, NEW MEXICO

mg/kg

Sample ID: SB 1 @ 2' (H600863-02)

BTEX 8021B

DIEX COLLD	9/	··9	Andryzo	u 27. 1.15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	< 0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	< 0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4 9	% 73.6-14	0						
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	04/22/2016	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	
Surrogate: 1-Chlorooctane	79.6	% 35-147							
Surrogate: 1-Chlorooctadecane	87.0 9	% 28-171							

Sample ID: SB 1 @ 3' (H600863-03)

Chloride, SM4500Cl-B	Analyze	d By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/22/2016	ND	416	104	400	3.92	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 04/21/2016 Sampling Date: 04/14/2016

Reported: 04/26/2016 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL, NEW MEXICO

mg/kg

Sample ID: SB 1 @ 4' (H600863-04)

Chloride, SM4500Cl-B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/22/2016	ND	416	104	400	3.92	
Sample ID: SB 2 @ 1' (H600863	3-05)								
BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 73.6-14	10						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyto	Pocult	Poporting Limit	Apalyzod	Mothod Blank	BC	% Pocovony	Truo Valuo OC	DDD	Qualifior

Analyzed By: HM

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	04/22/2016	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	14.1	10.0	04/22/2016	ND	217	109	200	11.4	
Surrogate: 1-Chlorooctane	91.7	% 35-147	7						

Surrogate: 1-Chlorooctadecane 92.8 % 28-171

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Celey D. Keine

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: 04/21/2016 Sampling Date: 04/14/2016

Reported: 04/26/2016 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL, NEW MEXICO

Sample ID: SB 2 @ 2' (H600863-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	04/22/2016	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	
Surrogate: 1-Chlorooctane	78.6 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	82.5 9	% 28-171							

Sample ID: SB 2 @ 3' (H600863-07)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	04/22/2016	ND	416	104	400	3.92	

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Celey D. Keine

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: 04/21/2016 Sampling Date: 04/14/2016

Reported: 04/26/2016 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL, NEW MEXICO

Sample ID: SB 2 @ 4' (H600863-08)

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	04/22/2016	ND	416	104	400	3.92	

Sample ID: SB 3 @ 1' (H600863-09)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					

Surrogate: 4-Bromoflyorobenzene (PID) 97.9 % 73.6-140

21.3	/0 /3.0-140	,						
mg	/kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1300	16.0	04/22/2016	ND	416	104	400	3.92	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	04/22/2016	ND	188	93.9	200	8.09	
<10.0	10.0	04/22/2016	ND	217	109	200	11.4	
86.3	% 35-147							
	Result 1300 mg, Result <10.0 <10.0	mg/kg Result Reporting Limit 1300 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0	mg/kg Analyzed Result Reporting Limit Analyzed Result Reporting Limit Analyzed <10.0	mg/kg Analyzed By: HM Result Reporting Limit Analyzed Method Blank 1300 16.0 04/22/2016 ND Mesult Reporting Limit Analyzed Method Blank <10.0	mg/ky Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS 1300 16.0 04/22/2016 ND 416 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	mg/kg Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS % Recovery 1300 16.0 04/22/2016 ND 416 104 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	mg / bg Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 1300 16.0 04/22/2016 ND 416 104 400 mg / bg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	mg/kg Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 1300 16.0 04/22/2016 ND 416 104 400 3.92 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

Surrogate: 1-Chlorooctadecane 92.9 % 28-171

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Celey D. Keene

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: 04/21/2016 Sampling Date: 04/14/2016

Reported: 04/26/2016 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: JAL, NEW MEXICO

ma/ka

Sample ID: SB 3 @ 2' (H600863-10)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 73.6-14	0						
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	04/22/2016	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	
Surrogate: 1-Chlorooctane	83.0 9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	90.2	% 28-171	,						

Sample ID: SB 3 @ 3' (H600863-11)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	04/22/2016	ND	416	104	400	3.92	

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Celey D. Kune



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 04/21/2016 Sampling Date: 04/14/2016

Reported: 04/26/2016 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL, NEW MEXICO

Sample ID: SB 3 @ 4' (H600863-12)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 04/22/2016 ND 416 400 3.92 256 16.0 104

Sample ID: SB 3 @ 6' (H600863-13)

Chloride, SM4500Cl-B Analyzed By: HM mg/kg BS True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank Qualifier % Recovery Chloride 640 16.0 04/22/2016 416 400 3.92 ND 104

Sample ID: SB 3 @ 7' (H600863-14)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 592 04/22/2016 ND 400 0.00 16.0 416 104

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Celey & Keens



Analytical Results For:

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

Fax To: (575) 397-0397

Received: 04/21/2016 Sampling Date: 04/15/2016

Reported: 04/26/2016 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL, NEW MEXICO

Sample ID: SB 4 @ 1' (H600863-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	04/22/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	
Surrogate: 1-Chlorooctane	94.4 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	99.0	% 28-171							

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Celeg & Freene



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 04/21/2016 Sampling Date: 04/15/2016

Reported: 04/26/2016 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: JAL, NEW MEXICO

Sample ID: SB 4 @ 3' (H600863-16)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	04/22/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	
Surrogate: 1-Chlorooctane	142 %	% 35-147	,						
Surrogate: 1-Chlorooctadecane	155 %	% 28-171							

Sample ID: SB 4 @ 5' (H600863-17)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	04/22/2016	ND	416	104	400	0.00	

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager



04/15/2016

Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 04/21/2016

Reported: 04/26/2016 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL, NEW MEXICO

Sample ID: SB 4 @ 7' (H600863-18)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 2000 04/22/2016 ND 416 400 0.00 16.0 104

Sampling Date:

Sample ID: SB 4 @ 9' (H600863-19)

Chloride, SM4500Cl-B Analyzed By: HM mg/kg BS True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank Qualifier % Recovery 1800 16.0 04/22/2016 416 400 0.00 Chloride ND 104

Sample ID: SB 4 @ 10' (H600863-20)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 1880 04/22/2016 ND 400 0.00 16.0 416 104

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Celeg D. Freene



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

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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Celeg D. Freene

978 D-778	ational, Inc.	2	BIEF 10		ANAL ISIS NEGUESI
Address: P.O. Box 805	S	8 3	Company: DYM		
bbs	State: NM Zip:	88241	Attn: Colly What		
Phone #: 575-397-6388	575-		\		
Project #:	6	N.	Υ.		
Project Name:	NLMU #24	7) Sta	State: Zip:	22	
Project Location:	•	· · · · · · · · · · · · · · · · · · ·	Phone #:		
Sampler Name: Re	et Hermindez	Fab	Fax #:	7	
FOR LAB USE ONLY	0.	MATRIX	PRESERV SAMPLING	4 1/2/K	
Lab I.D. Samp	Sample I.D.	CONTAINERS ROUNDWATER ASTEWATER DIL L UDGE THER:	E/COOL THER:	TRI BIE CHLO	
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EASE NOTE: Lability and Damages, Cardinal's liability and clien layeses, All claims including those for negligence and any other ca vice. In no event shall Cardinal be liable for incidental or consequence indicates a suppressions and or replaced to the addressions.	illy and clen's exclusive remedy for any claim arising will any other cause whatsoever shall be deemed waived un allor consequental damages, including without limitation, or consequental damages, including without limitation, and or consequental damages, including without limitation.	rether based in confract or to less made in writing and rec business interruptions, loss of whether such daim is ha	, shall be limited to the amount yed by Cardinal within 30 days use, or loss of profils incurred to pon any of the above state.	paid by the client for the attack of the attack of the applicable by client, its subsidiaries, it reasons or otherwise.	•
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393.

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(Circle One) - Bus - Other:		ile in	1 Hounday		evice, no event shis Cardina be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profile incurried by client, its subsidiaries interruptions, loss of use, or loss of profile incurried by client, its subsidiaries interruptions, loss of use, or loss of profile incurried by client, its subsidiaries in the event of the above stated reasons or otherwise.	PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort shall be limited to the amount paid by the client for the analyses of the applicable to the client for the applicable to the contract of the applicable to th	è /6	9.	ø '	\d 14.	16	SQ4 8	ð (5	2 5	200 M			Sample I.D.			Dock!		ma		97-6388		Box 805	: Cliff Brunson	BBC International, Inc.	RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476	
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on CHECKED BY:					oss of use, or loss of profils incurred by based upon any of the above stated to	in contract or tort, shall be limited to the amount p writing and received by Cardinal within 30 days at	KU	1 404	V 45.	1.0.7	1 1-15-1	1 451	1 41/1/1	1 4.14.11	111.7	11.4.1	ACI ICE	HER D/B/ / CO HER	ASE:		PRESERV. SAMPLING	Fax #:	Phone #:	State: Zip:	City:	Address:	Attn: Lay Jummell	Company: OK	P.O.#:	BILL TO	•	
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October 27, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #247

Enclosed are the results of analyses for samples received by the laboratory on 10/21/16 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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. Keene

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: (575) 397-0397

Received: 10/21/2016 Sampling Date: 10/20/2016

Reported: 10/27/2016 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL, NEW MEXICO

Sample ID: SP 4 @ 11' (H602379-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	10/24/2016	ND	416	104	400	0.00	
Sample ID: SP 4 @ 16' (H	602379-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	10/24/2016	ND	416	104	400	0.00	
Sample ID: SP 4 @ 20' (H	602379-03)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	10/24/2016	ND	416	104	400	0.00	
Sample ID: SP 4 @ 30' (H	602379-04)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
A 1. d -									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

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

Celey D. Keene



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 10/21/2016 Sampling Date: 10/20/2016

Reported: 10/27/2016 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL, NEW MEXICO

Sample ID: SP 4 @ 35' (H602379-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/24/2016	ND	416	104	400	0.00	
Sample ID: SP 4 @ 40' (H	602379-06)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/24/2016	ND	416	104	400	0.00	
Sample ID: SP 4 @ 41' (H	602379-07)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/24/2016	ND	416	104	400	0.00	
Sample ID: SP 4 @ 42' (H	602379-08)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/24/2016	ND	416	104	400	0.00	
Sample ID: SP 3 @ 8' (H6	02379-09)								
Chloride, SM4500Cl-B	-	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/24/2016	ND	416	104	400	0.00	

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Celey D. Keine



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 10/21/2016 Sampling Date: 10/20/2016

Reported: 10/27/2016 Sampling Type: Soil Project Name: MLMU #247 Sampling Condition: Coo

Project Name:MLMU #247Sampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Jodi HensonProject Location:JAL, NEW MEXICO

Sample ID: SP 3 @ 9' (H602379-10)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 512 16.0 10/24/2016 ND 416 104 400 0.00

Sample ID: SP 3 @ 10' (H602379-11)

Chloride, SM4500Cl-B Analyzed By: AC Reporting Limit Analyzed BS True Value QC RPD Qualifier Analyte Result Method Blank % Recovery Chloride 32.0 16.0 10/24/2016 416 104 400 0.00 ND

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

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. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

P.O. #:	Company Name: BBC International, Inc.	(505) 393-2326 FAX (505) 393-2476	101 East Marland, Hobbs, NM 88240	ARDINAL LABORATORIES	and the state of t
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	(505) 353-2320 1 77 (500) 556 211	ľ				THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COL				1
Company Name:	BBC International, Inc.			BIL	BILL 10		1	1	ANALISIS NEGOESI	
Project Manager:				P.O. #:						
Address: P.O.	P.O. Box 805			Company:			- 1			
city: Hobbs	State: NM	Zip:	88241	Attn:				_		
Phone #: 575-397-6388	Fax #:	575-397-0397	0397	Address:				_		
Project #:	Project Owner:	(X)	Ý	City:						
Project Name:	MINI #247			State:	Zip:					
Project Location:				Phone #:				_		
Sampler Name:	Onto Brunsen			Fax #:						
FOR LAB LISE ONLY		7	MATRIX	PRESERV.	SAMPLING	NG		_		
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Lab I.D.	Sample I.D.	S)RAB OR	ROUNDW /ASTEWA OIL IIL LUDGE	OTHER: CID/BASE CE / COOL OTHER:	DATE	TIME				
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N.	Time: 3, 00	- 0	N	t		REMARKS:				
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Delivered By: (Circle One)
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Page 6 of 7

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Date: Time:

Received By:

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Fax Result:
REMARKS:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: BBC International, Inc.	(505) 393-2326 FAX (505) 393-2476	101 East Marland, Hobbs, NM 88240	ARDINAL LABORATORIES	
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Inc.	05) 393-24	bs, NM 8	ATORIE	
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Company Name: BBC International Inc	BILL TO	ANALYSIS REQUEST
	P.O.#:	
Address: P.O. Box 805	Company:	
city: Hobbs State: NM	Zip: 88241 Attn:	
397-6388 Fax #:	575-397-0397 Address:	
	er: OXY City:	
ime: MLMU #247	State: Zip:	
Project Location:	Phone #:	
Sampler Name: how Bunger	Fax #:	
	MATRIX PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OME # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	CL
10/08/811	6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Sample Condition
Cool Intact
PYES 1 YES
No No

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Page 7 of 7



September 11, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #247

Enclosed are the results of analyses for samples received by the laboratory on 09/08/17 16:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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. Keene

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: (575) 397-0397

 Received:
 09/08/2017
 Sampling Date:
 09/08/2017

 Reported:
 09/11/2017
 Sampling Type:
 Soil

Project Name: MLMU #247 Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL, NEW MEXICO

Sample ID: SP 1 @ BOTTOM (H702396-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/11/2017	ND	416	104	400	0.00	
Sample ID: SP 2 @ BOTT	OM (H702396-	02)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/11/2017	ND	416	104	400	0.00	
Sample ID: SP 3 @ BOTT	OM (H702396-	03)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/11/2017	ND	416	104	400	0.00	
Sample ID: NORTH (H70	2396-04)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
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



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

Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/08/2017 Sampling Date: 09/08/2017

Reported: 09/11/2017 Sampling Type: Soil

Project Name: MLMU #247 Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL, NEW MEXICO

Sample ID: EAST (H702396-05)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/11/2017	ND	416	104	400	0.00	

Sample ID: WEST (H702396-06)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/11/2017	ND	416	104	400	0.00	

Sample ID: SOUTH (H702396-07)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/11/2017	ND	416	104	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

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. Freene

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: BBC International, Inc.	BILL TO	ANALYSIS
Project Manager: Cliff Brunson	P.O. #:	ANALTSIS REQUEST
Address: P.O. Box 805	Company:	
State: NM	Zip: 88241 Attn:	
Phone #: 575-397-6388 Fax #: 575-3	575-397-0397 Address:	
Project #: Project Owner:	OXU City:	
Project Name: MLMM # 2017	State: Zip:	
Project Location:	#	2
Sampler Name: ANGHI KARAMANCE	? Fax #:	
FOR LAB USE ONLY	MATRIX PRESERV.	SAMPLING
Lab I.D. Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE DTHER: ACID/BASE: CE / COOL DTHER:	
2 807 6 Batism	9	1
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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Page 5 of 5

From: Yu, Olivia, EMNRD

To: cbrunson@bbcinternational.com; Casey_Summers@oxy.com; Jennifer_Hudgens@oxy.com; <a href="mailto:Jennif

Cc: Oberding, Tomas, EMNRD; kswinney@bbcinternational.com; Kathy Purvis; jqilkey@bbcinternational.com

Subject: RE: OXY - MLMU #247 - Remediation Plan

Date: Wednesday, March 1, 2017 1:54:26 PM

Dear Mr. Brunson:

The delineation report for 1RP-4242 is approved with these conditions. Please confirm.

- 1. SP1 can be excavated to 1.5 ft. bgs. Please obtain bottom confirmation samples at the base of SP1 area, where the offshoot meets SP2 and SP3 region.
- 2. Excavate area of SP2 and SP3 to 3 ft. bgs. Chlorides at SP3 fluctuates and a current search of depth to groundwater on OSE's database indicate the water table at 90 ft. bgs. Obtain bottom confirmation samples.
- 3. Based on chloride levels for SP4, complete horizontal delineation is required. At a minimum, two other soil sample locations are needed: 1 West and 1 East of SP4.
- 4. Is the liner proposed only for the SP4 area?

Thanks,

Olivia Yu Environmental Specialist NMOCD, District I Olivia.yu@state.nm.us 575-393-6161 x113

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.

From: Cliff Brunson

Sent: Saturday, January 28, 2017 6:45:40 PM (UTC-07:00) Mountain Time (US & Canada)

To: Lynch, Kristen, EMNRD

Cc: Casey Summers; Jennifer Hudgens; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: OXY - MLMU #247 - Remediation Plan

Kristen,

This e-mail is to confirm our discussion concerning the remediation plan for the OXY MLMU #247 release. I have attached the information packet that we used in our discussion on 2/25/17 with a cover page describing the remediation plan that we agreed upon.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
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World-Wide Environmental Specialists
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Hobbs, NM 88241-0805 USA
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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 203764

CONDITIONS

Operator:	OGRID:
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P.O. Box 52647	Action Number:
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