Closure Report

Site Description			
Site Name:	Lost Tank 4 Federal #1 CTB		
Company:	Oxy USA Inc.		
Legal Description:	U/L C, Section 4, T22S, R31E		
County:	Eddy County, NM		
GPS Coordinates:	N 32.42689 W-103.78429		

Release Data			
Date of Release:	12/3/18		
Type of Release:	Oil		
Source of Release:	Compromised gasket on heater treater fire tube		
Volume of Release:	22 bbls		
Volume Recovered:	20 bbls		

Remediation Specifications				
Remediation Parameters:	Excavate the areas of SP3-SP8 to a depth of 1 foot. The remaining leak area does not require remediation. Obtain bottom and sidewall confirmation samples. Microblaze any stained area in the no remediation zone if needed. Backfill the site with clean soil.			
Remediation Activities:	8/29/19 to 10/2/19			
Plan Sent to OCD:	8/5/19	Plan uploaded to OCD database, receipt received		
OCD Approval of Plan:	8/15/19 Email from Victoria Venegas			
Plan Sent to BLM:	8/15/19 Email from Cliff Brunson to Jim Amos			
BLM Approval of Plan:	8/22/19	Email from Jim Amos to Cliff Brunson		

Supporting Documentation			
Initial C-141	Signed 12/1918		
C-141, page 6 Signed and included			
Site Diagram January 2019			
Pictures Remediation photos prior to backfill			

Request for Closure

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

Cliff Brunson, President, BBC International, Inc.

10/16/2019



Oxy, Lost Tank 4 Federal 1 CTB

Confirmation sample points

- 1 @ NW. WALL, N 32.42697 W-103.78438
- 2 @ SW. WALL, N 32.42686 W-103.78438
- 3 @ BOTTOM, N 32.42696 W-103.784
- 4 @ BOTTOM, N 32.42692 W-103.78431
- 5 @ BOTTOM, N 32.42685 W-103.78434
- 6 @ BOTTOM, N 32.42701 W-103.78420
- 7 @ BOTTOM, N 32.42697 W-103.78420
- 8 @ BOTTOM, N 32.42690 W-103.78421
- 9 @ BOTTOM, N 32.42685 W-103.78425
- 10 @ S. WALL, N 32.42681 W-103.78427
- 11 @ E. WALL, N 32.42702 W-103.78416
- 12 @ N. WALL, N 32.42694 W-103.78418









Laboratory Analytical Results Summary Lost Tank 4 Federal 1 CTB (12/3/18)

		Sample ID	1 @ NW. WALL
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		128
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	2 @ SW. WALL
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		128
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	3 @ BOTTOM
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		128
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

			4 @
		Sample ID	воттом
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		80
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	5 @ BOTTOM
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		16
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

			6 @
		Sample ID	BOTTOM
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		96
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	7 @ BOTTOM
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		64
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		29.3
EXT DRO	TPH 8015M		<10.0

		Sample ID	8 @ BOTTOM
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		32
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

			9 @
		Sample ID	BOTTOM
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		144
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

			10 @ S.
		Sample ID	WALL
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		16
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	11 @ N. WALL
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		128
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	12 @ E. WALL
Analyte	Method	Date	9/26/19
			mg/kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
Chloride	SM4500CI-B		96
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		11.1
EXT DRO	TPH 8015M		<10.0



September 27, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 4 FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 09/26/19 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact
Project Number: (12-3-18) Sample Received By: Tamara Oldaker

Project Location: OXY-WIPP

Sample ID: 1 X NW WALL (H903313-01)

BTEX 8021B	mg,	/L	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	<0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.9	% 81.3-12	8						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/27/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					
Surrogate: 1-Chlorooctane	93.4	% 41-142	?						
Surrogate: 1-Chlorooctadecane	96.8	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: (12-3-18)Tamara Oldaker

Analyzed By: BF

Project Location: OXY-WIPP

Sample ID: 2 X SW WALL (H903313-02)

BTEX 8021B

BIEX 9021B	mg	<u>/L</u>	Anaiyze	а ву: вг					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	<0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.6	% 81.3-12	8						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/27/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					
Surrogate: 1-Chlorooctane	89.6	% 41-142	?						
Surrogata: 1 Chloroctadacana	02.8	0/, 37614	7						

92.8 % Surrogate: 1-Chlorooctadecane 37.6-147

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact
Project Number: (12-3-18) Sample Received By: Tamara Oldaker

Analyzed By: BF

Project Location: OXY-WIPP

Sample ID: 3 X FLOOR @ 1 (H903313-03)

BTEX 8021B

BIEX 8UZIB	mg/	<u>'L</u>	Апатуге	а ву: вг					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	<0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	85.3	% 81.3-12	8						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/27/2019	ND	400	100	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	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					

Surrogate: 1-Chlorooctane 90.9 % 41-142
Surrogate: 1-Chlorooctadecane 93.2 % 37.6-147

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact
Project Number: (12-3-18) Sample Received By: Tamara Oldaker

Analyzed By: BF

Project Location: OXY-WIPP

Sample ID: 4 X FLOOR @ 1 (H903313-04)

BTEX 8021B

				•					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	<0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.5	% 81.3-12	8						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/27/2019	ND	400	100	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	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					
Surrogate: 1-Chlorooctane									

Surrogate: 1-Chlorooctane 93.0 % 41-142
Surrogate: 1-Chlorooctadecane 94.6 % 37.6-147

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact Project Number: Sample Received By: (12-3-18)Tamara Oldaker

Project Location: OXY-WIPP

Sample ID: 5 X FLOOR @ 1 (H903313-05)

BTEX 8021B	mg/L		Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	<0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.6	% 81.3-12	8						
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	09/27/2019	ND	400	100	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	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					
Surrogate: 1-Chlorooctane	97.6	% 41-142							

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact
Project Number: (12-3-18) Sample Received By: Tamara Oldaker

Analyzed By: BF

Project Location: OXY-WIPP

Sample ID: 6 X FLOOR @ 1 (H903313-06)

BTEX 8021B

DIEX COLLE	9/	-	Allalyzo	.u 5 y . 5 .					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	<0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.5	% 81.3-12	8						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/27/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					
Surrogate: 1-Chlorooctane	88.1	% 41-142	,						

Surrogate: 1-Chlorooctadecane 90.9 % 37.6-147

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: (12-3-18)Tamara Oldaker

Project Location: OXY-WIPP

Sample ID: 7 X FLOOR @ 1 (H903313-07)

BTEX 8021B	mg/L		Analyze	Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	<0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.3	% 81.3-12	8						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/27/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	29.3	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					
Surrogate: 1-Chlorooctane	83.7	% 41-142	?						
G 1 GH 1	00.0		-						

Surrogate: 1-Chlorooctadecane 88.8 % 37.6-147

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: (12-3-18)Tamara Oldaker

Analyzed By: BE

Project Location: **OXY-WIPP**

Sample ID: 8 X FLOOR @ 1 (H903313-08)

RTFY 8021R

BIEX 8021B	mg	/L	Analyze	а ву: вг					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	<0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	85.5	% 81.3-12	8						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/27/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					
Surrogate: 1-Chlorooctane	96.9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	99 3	% 37.6-14	7						

Surrogate: 1-Chlorooctadecane 99.3 % 37.6-147

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: (12-3-18)Tamara Oldaker

Project Location: OXY-WIPP

Sample ID: 9 X FLOOR @ 1 (H903313-09)

BTEX 8021B	mg/	'L	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	<0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.7	% 81.3-12	8						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/27/2019	ND	400	100	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	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					
Surrogate: 1-Chlorooctane	88.9	% 41-142	?						
G 1 CH 1	00.1	0/ 27/1/	7						

Surrogate: 1-Chlorooctadecane 90.1 % 37.6-147

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

Fax To: (575) 397-0397

Received: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: (12-3-18)Tamara Oldaker

Project Location: OXY-WIPP

Sample ID: 10 X S. WALL (H903313-10)

BTEX 8021B	mg,	'L	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	<0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.7	% 81.3-12	8						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/27/2019	ND	400	100	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	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					
Surrogate: 1-Chlorooctane	96.7	% 41-142	?						

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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

Fax To: (575) 397-0397

Received: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact
Project Number: (12-3-18) Sample Received By: Tamara Oldaker

Project Location: OXY-WIPP

Sample ID: 11 X N. WALL (H903313-11)

BTEX 8021B	mg,	/L	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	<0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.1	% 81.3-12	8						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/27/2019	ND	400	100	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	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					
Surrogate: 1-Chlorooctane	79.9	% 41-142	?						

Surrogate: 1-Chlorooctadecane 80.7 % 37.6-147

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/26/2019 Sampling Date: 09/26/2019

Reported: 09/27/2019 Sampling Type: Soil

Project Name: LOST TANK 4 FEDERAL #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: (12-3-18)Tamara Oldaker

Analyzed By: BE

Project Location: OXY-WIPP

Sample ID: 12 X E. WALL (H903313-12)

RTFY 8021R

BIEX 8021B	mg	/L	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2019	ND	2.03	102	2.00	0.903	
Toluene*	<0.050	0.050	09/27/2019	ND	2.04	102	2.00	1.45	
Ethylbenzene*	< 0.050	0.050	09/27/2019	ND	1.88	93.9	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/27/2019	ND	5.57	92.8	6.00	1.11	
Total BTEX	<0.300	0.300	09/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	81.9	% 81.3-12	8						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/27/2019	ND	400	100	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	09/27/2019	ND	191	95.4	200	2.36	
DRO >C10-C28*	11.1	10.0	09/27/2019	ND	193	96.3	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	09/27/2019	ND					
Surrogate: 1-Chlorooctane	81.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	84 3	% 37.6-14	17						

Surrogate: 1-Chlorooctadecane 84.3 % 37.6-147

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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

recovery.

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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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company rame.	DDC IIIternational, IIIC.		BILL TO	ANALYSIS REQUEST
Project Manager	Project Manager: Cliff Brunson		P.O. #:	- 1
Address: P.O.	P.O. Box 805		Company:	
city: Hobbs	State: NM	Zip: 88241	Attn:	
Phone #: 575-3	575-397-6388 Fax #: 575-	575-397-0397	Address:	
Project #:	Project Owner:	024	City:	<u>e</u>
Project Name:	lost Teph A-	1/2-3-10	State: Zip:	<i>f</i> • • • • • • • • • • • • • • • • • • •
Project Location:	Will Rd	10110	#	1
Sampler Name:	6		Fax #:	7,
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	
Lab I.D.	Sample I.D.	OR (C)OMP AINERS DWATER WATER	SE:	1PH - 13
H903313		# CON GROU	OTHER ACID/B ICE / C OTHER	
	/X NW wz/	<u> </u>	116 92-6 X	7
2	2X 5W well	××	26	18 8 A
(U)	3× 17/00/01	<u> </u>	7 258	
7	4X Floore	ু 	20%	
\s	SX Floor @	×-	Stal S	
7	4× 11/8010)	√	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
ob.	0 x F/200 0/	××	\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	777
2	9× /-/00-0/	1. J	W	Y
16	107 5-w21	C(1)	J W 120	XX (·
analyses. All claims including those for negligence at service. In no event shall Cardinals the liable for Incide affiliates or successor alising out of or realized to the		unity and client's exclusive remedy for any claim arising whether bleed in contract or tort, shall be limited to d any other cause whatsoever shall be deemed where unless made in writing and received by Cardnal to you had or consequental damages, including without limitation, business interruptions, loss of use, or loss of play and or consequental damages, including without limitation, business interruptions, loss of use, or loss of play performance of severces here index by Cardnal severalized of whother with them, is because the contract of the c	or fort, shall be limited to the amount paid by the Sient received by Cardinal within 30 days after completion or second by Cardinal within 30 days after completion or second use, or loss of profits incurred by client, its subsists of use, or loss of profits incurred by client, its subsists.	for the applicable ridaries.
Relinquished By:		Received By:)	\text{\text{Result:}}
	U Takon	humahn	REMARKS:	Yes
			A MAIN COMPANY	

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

> 5.00 Time:

Sample Condition
Cool Intact
Pes Pes
No No

CHECKED BY: (Initials) 40

Relinquished By:

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES	
(505) 393-2326 FAX (505) 393-2476	
Company Name: BBC International, Inc.	BILL TO ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O. #:
Address: P.O. Box 805	Company:
City: Hobbs State: NM Zip: 88241	Attn:
5-397-6388 Fax #: 575-	Address:
Project C	
Project Name: 105+ 7201 4-1 12-3-18	State: Zip:
Project Location: WIDD STL	Phone #:
Sampler Name:	Fax#:
FOR LAB USE ONLY MATRIX	PRESERV, SAMPLING
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME
×	x 5.26)
12 /2× 15. woll 6 4 4	1 94 1750
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Relinquished By: Relinquished By: Date: Date: Received By: Received By: Time: Date: Received By: Received By: Received By: Time:	Phonoe Result: Yes No Add'l Phone #: Phonoe Result: Yes No Add'l Fax #: Pax Result: Yes No Add'l Fax #:
Delivered By: (Circle One) _ S.O. #### Sample Condition Cool Intact Sampler - UPS - Bus - Other: A. T. S. T. S. T. S. S. T. S.	checked By:

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

Form C-141 Page 6

State of New Mexico Oil Conservation Division

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Incident ID		
District RP	2RP-5179	
Facility ID		
Application ID		

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Wade Dittrich Title: Environmental Coordinator Date: ———————————————————————————————————	Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office					
Thereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of insolity for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Wade Dittrich Title: Environmental Coordinator Signature: Wade_dittrich@oxy.com Telephone: (575) 390-2828 Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by:	■ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)					
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Printed Name: Title:	Closure Approved by:	Date:					
	Printed Name:	Title:					