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DELINEATION WORKPLAN

OXY – CEDAR CANYON 23 FED COM #33H (Leak Date: 8/10/17)

RP # 2RP-4342 API # 30-015-44074

This delineation workplan and remediation proposal addresses the release associated with RP # 2RP-4342.

The following information includes:

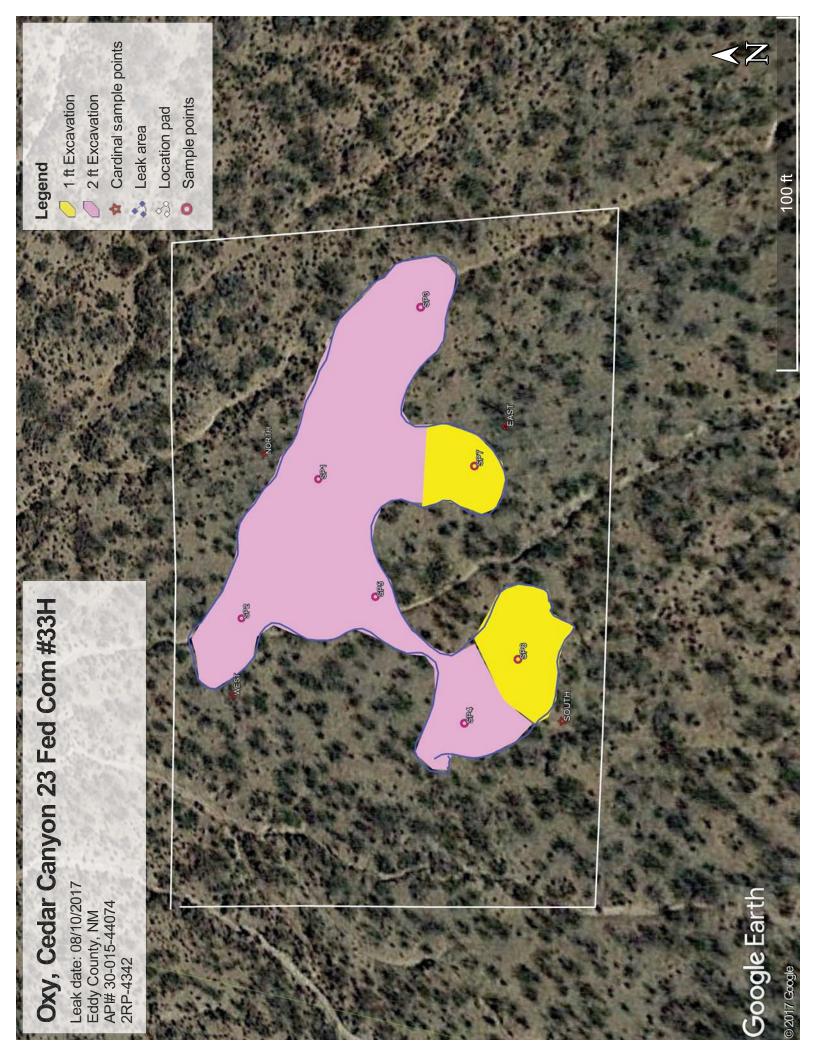
- 1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
- 2. GPS information for sample points and sample methodology
- 3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
- 4. Laboratory analysis results summary table and original laboratory analysis reports
- 5. A copy of the initial C-141
- 6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

OXY will excavate the spill area as depicted on the following site diagram. The leak area near SP1- SP5 (pink shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP6 and SP7 (yellow shade on diagram) will be excavated to a depth of 1 foot.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

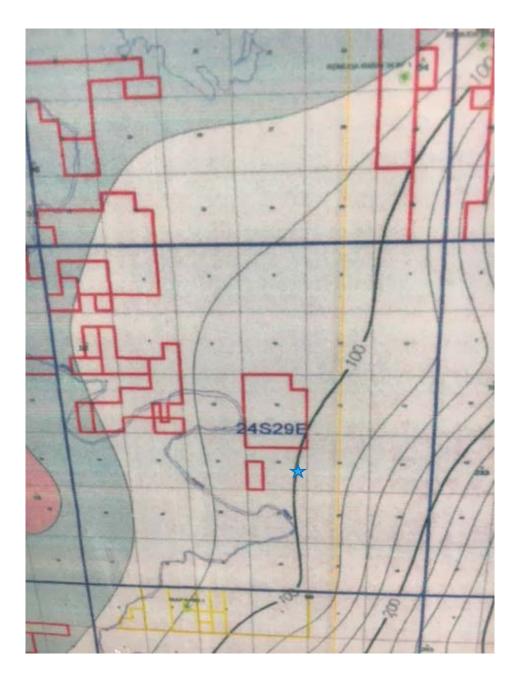
All excavated materials will be disposed of at an NMOCD-approved disposal facility.



Oxy, Cedar Canyon 23 Fed Com #33H

Sample notes, hand auger/backhoe SP1, N 32.20228 W-103.96744 SP2, N 32.20237 W-103.96760 SP3, N 32.20217 W-103.96726 SP4, N 32.20213 W-103.96770 SP5, N 32.20222 W-103.96757 SP6, N 32.20208 W-103.96763 SP7, N 32.20212 W-103.96743 NORTH, N 32.20234 W-103.96741 SOUTH, N 32.20205 W-103.96731 WEST, N 32.20236 W-103.96774

Oxy, Cedar Canyon 23 Federal #33H U/L I, Section 22, T24S, R29E Groundwater: 100'



?

New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 597468

Northing (Y): 3563195

Radius: 1700

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/3/17 4:40 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

UTM Conversion Tool

State Plane Coordinate System - NAD27 x n y: n zone: State Plane Coordinate System - NAD83 x: n y: n Degrees/Minutes/Seconds Latitude (Y): Degrees: Minutes: DTM - NAD27 UTM - NAD27 Latitude (Y): Degrees: UTM - NAD27 Latitude (Y): Degrees: UTM - NAD27 SUBMT All Conversion Results are displayed as NAD 1983 UTM Zone 13 Latitude (Y): Submit All Conversion Results are displayed as NAD 1983 UTM Zone 13 All Conversion Results are displayed as NAD 1983 UTM Zone 13 Easting (X): Systems Arrow in the copy UTM values for Reports The seas keep screen open to copy UTM values for Reports	O Q64:	Q16: NE Q4: SE Se	ec: 22 Tws: 245	Rng: 29E	
x: ft Degrees/Minutes/Seconds Longitude (X): Degrees: . Minutes: . Seconds: . Latitude (Y): Degrees: . Minutes: . Seconds: . . Latitude (Y): Degrees: . Minutes: . Seconds: . . <	O X: <mark>O f</mark> t				
 Longitude (X): Degrees: O ° Minutes: O ' Seconds: O " Latitude (Y): Degrees: O ° Minutes: O ' Seconds: O " UTM - NAD27 Easting (X): O mtrs Northing (Y): O mtrs Zone: SUBMIT All Conversion Results are displayed as NAD 1983 UTM Zone 13 Latitude (X): S97468.0 mtrs Northing (Y): 3563195.0 mtrs 	O X: 0 ft				
C Easting (X): 0 mtrs Northing (Y): 0 mtrs Zone: SUBMIT All Conversion Results are displayed as NAD 1983 UTM Zone 13 Easting (X): 597468.0 mtrs Northing (Y): 3563195.0 mtrs		Degrees: 0 °	Minutes: 0 '		
All Conversion Results are displayed as NAD 1983 UTM Zone 13 Easting (X): 597468.0 mtrs Northing (Y): 3563195.0 mtrs					
	O Easting (X): 0				
	All	mtrs Northing (Y): 0 SUB Conversion Results are displa	mtrs Zone: MIT Nyed as <u>NAD 1983 U</u> Northing (Y): 3563	T <u>M Zone 13</u> 195.0 mtrs	
	All	mtrs Northing (Y): 0 SUB Conversion Results are displa	mtrs Zone: MIT Nyed as <u>NAD 1983 U</u> Northing (Y): 3563	T <u>M Zone 13</u> 195.0 mtrs	
	All	mtrs Northing (Y): 0 SUB Conversion Results are displa	mtrs Zone: MIT Nyed as <u>NAD 1983 U</u> Northing (Y): 3563	T <u>M Zone 13</u> 195.0 mtrs	

Laboratory Analytical Results Summary Cedar Canyon 23 Fed Com #033H

		Sample ID	SP1 @ 1'	SP1@2'	SP1@3'	SP1 @ 4'	SP1 @ 9'
Analyte	Method	Date	10/16/17	10/16/17	10/16/17	10/16/17	10/16/17
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	e/u	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	u/a
Chloride	SM4500CI-B		4080	1420	384	160	48
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	e/u	n/a	e/u
EXT DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a

		Sample ID SP2 @ 1' SP2 @ 2' SP2 @ 3' SP2 @ 4' SP2 @ 9'	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 9'
Analyte	Method	Date	10/16/17	10/16/17	10/16/17	10/16/17	10/16/17
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B		4880	1280	368	144	32

		Sample ID SP3 @ 1' SP3 @ 2'	SP3 @ 1'		SP3 @ 3' SP3 @ 4' SP3 @ 9'	SP3 @ 4'	SP3 @ 9'
Analyte	Method	Date	10/16/17	10/16/17	10/16/17	10/16/17	10/16/17
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B		4960	832	496	80	32

Analyte Method Date 10/16/17 10/16/17 10/16/17 10/16/17 Analyte Method Date 10/16/17 mg/kg mg/kg mg/kg Chloride SN4500CLB 800 864 192			Sample ID	SP4 @ 1'	SP4 @ 1' SP4 @ 2' SP4 @ 3' SP4 @ 8'	SP4 @ 3'	SP4 @ 8'
SM4500CI-B 800 864	Analyte	Method	Date	10/16/17	10/16/17	10/16/17	10/16/17
SM4500CI-B 800 864				mg/kg	mg/kg	mg/kg	mg/kg
	Chloride	SM4500CI-B		800	864	192	48

		Sample ID	SP5 @ 1.	SP5 @ 2'	SP5 @ 3'	SP5 @ 8'
Analyte	Method	Date	10/16/17	10/17/17	10/17/17	10/17/17
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		608	848	176	48
GRO	TPH 8015M		<10.0	n/a	n/a	n/a
DRO	TPH 8015M		17.3	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	n/a	n/a	n/a

		Sample ID	SP6 @ 1'	SP6 @ 2'	SP6 @ 7'
Analyte	Method	Date	10/17/17	10/16/17	10/16/17
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500CI-B		560	192	112
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	n/a	n/a

		Sample ID Surface	Surface	SP7@1' SP7@6'	SP7 @ 6'	
Analyte	Method	Date	10/16/17	10/16/17	10/16/17	
			mg/kg	mg/kg	64/6m	
Chloride	SM4500CI-B		992	160	08	
						_
			NODTU @	EACT @		LICO

CARDINAL POINTS	S	Sample ID	NORTH E EAST M WEST Sample ID SURFACE SURFACE	EAST @ SURFACE	WEST @ SURFACE	SOUTH @ SURFACE
Analyte	Method	Date	10/16/17	10/17/17	10/17/17	10/17/17
			mg/kg	mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B		128	112	112	112



October 27, 2017

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

RE: CEDAR CANYON 23 FED 33H

Enclosed are the results of analyses for samples received by the laboratory on 10/20/17 16:15.

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.

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,

Celecz D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/20/2017	Sampling Date:	10/16/2017
Reported:	10/27/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 23 FED 33H	Sampling Condition:	Cool & Intact
Project Number:	08/10/17	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP1 @ 1 (H702887-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/25/2017	ND	1.83	91.3	2.00	1.51	
Toluene*	<0.050	0.050	10/25/2017	ND	1.84	91.9	2.00	2.45	
Ethylbenzene*	<0.050	0.050	10/25/2017	ND	1.81	90.7	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/25/2017	ND	5.42	90.3	6.00	1.92	
Total BTEX	<0.300	0.300	10/25/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 72-148	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	10/25/2017	ND	432	108	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	10/24/2017	ND	174	86.8	200	4.40	
DRO >C10-C28	<10.0	10.0	10/24/2017	ND	185	92.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	10/24/2017	ND					
Surrogate: 1-Chlorooctane	69.2	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	77.0	% 34.7-15	-						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2017	Sampling Date:	10/16/2017
Reported:	10/27/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 23 FED 33H	Sampling Condition:	Cool & Intact
Project Number:	08/10/17	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP1 @ 2 (H702887-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP1 @ 3 (H702887-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP1 @ 4 (H702887-04)

Chloride, SM4500Cl-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	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP1 @ 9 (H702887-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/25/2017	ND	432	108	400	0.00	QR-03

Sample ID: SP2 @ 1 (H702887-06)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	10/25/2017	ND	432	108	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2017	Sampling Date:	10/16/2017
Reported:	10/27/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 23 FED 33H	Sampling Condition:	Cool & Intact
Project Number:	08/10/17	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP2 @ 2 (H702887-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP2 @ 3 (H702887-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP2 @ 4 (H702887-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP2 @ 9 (H702887-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP3 @ 1 (H702887-11)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	10/25/2017	ND	432	108	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2017	Sampling Date:	10/16/2017
Reported:	10/27/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 23 FED 33H	Sampling Condition:	Cool & Intact
Project Number:	08/10/17	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP3 @ 2 (H702887-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP3 @ 3 (H702887-13)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP3 @ 4 (H702887-14)

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	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP3 @ 9 (H702887-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP4 @ 1 (H702887-16)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/25/2017	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Received:	10/20/2017	Sampling Date:	10/16/2017
Reported:	10/27/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 23 FED 33H	Sampling Condition:	Cool & Intact
Project Number:	08/10/17	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP4 @ 2 (H702887-17)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP4 @ 3 (H702887-18)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP4 @ 8 (H702887-19)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/25/2017	ND	432	108	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Received:	10/20/2017	Sampling Date:	10/16/2017
Reported:	10/27/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 23 FED 33H	Sampling Condition:	Cool & Intact
Project Number:	08/10/17	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP5 @ 1 (H702887-20)

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	10/25/2017	ND	1.83	91.3	2.00	1.51	
Toluene*	<0.050	0.050	10/25/2017	ND	1.84	91.9	2.00	2.45	
Ethylbenzene*	<0.050	0.050	10/25/2017	ND	1.81	90.7	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/25/2017	ND	5.42	90.3	6.00	1.92	
Total BTEX	<0.300	0.300	10/25/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 72-148							
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	10/25/2017	ND	432	108	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	10/24/2017	ND	174	86.8	200	4.40	
DRO >C10-C28	17.3	10.0	10/24/2017	ND	185	92.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	10/24/2017	ND					
Surrogate: 1-Chlorooctane	65.8	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	75.2	% 34.7-15	7						

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Received:	10/20/2017	Sampling Date:	10/17/2017
Reported:	10/27/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 23 FED 33H	Sampling Condition:	Cool & Intact
Project Number:	08/10/17	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP5 @ 2 (H702887-21)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP5 @ 3 (H702887-22)

Chloride, SM4500Cl-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	10/25/2017	ND	432	108	400	0.00	

Sample ID: SP5 @ 8 (H702887-23)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/25/2017	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2017	Sampling Date:	10/17/2017
Reported:	10/27/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 23 FED 33H	Sampling Condition:	Cool & Intact
Project Number:	08/10/17	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP6 @ 1 (H702887-24)

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	10/25/2017	ND	1.83	91.3	2.00	1.51	
Toluene*	<0.050	0.050	10/25/2017	ND	1.84	91.9	2.00	2.45	
Ethylbenzene*	<0.050	0.050	10/25/2017	ND	1.81	90.7	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/25/2017	ND	5.42	90.3	6.00	1.92	
Total BTEX	<0.300	0.300	10/25/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 72-148							
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/25/2017	ND	432	108	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	10/24/2017	ND	174	86.8	200	4.40	
DRO >C10-C28	<10.0	10.0	10/24/2017	ND	185	92.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	10/24/2017	ND					
Surrogate: 1-Chlorooctane	61.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	67.4	% 34.7-15	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2017	Sampling Date:	10/16/2017
Reported:	10/27/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 23 FED 33H	Sampling Condition:	Cool & Intact
Project Number:	08/10/17	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP6 @ 2 (H702887-25)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/23/2017	ND	448	112	400	0.00	

Sample ID: SP6 @ 7 (H702887-26)

Chloride, SM4500Cl-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	10/23/2017	ND	448	112	400	0.00	

Sample ID: SP7 @ SURFACE (H702887-27)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	10/23/2017	ND	448	112	400	0.00	

Sample ID: SP7 @ 1 (H702887-28)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/23/2017	ND	448	112	400	0.00	

Sample ID: SP7 @ 6 (H702887-29)

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	10/23/2017	ND	448	112	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2017	Sampling Date:	10/16/2017
Reported:	10/27/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 23 FED 33H	Sampling Condition:	Cool & Intact
Project Number:	08/10/17	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: NORTH @ SURFACE (H702887-30)

Chloride, SM4500Cl-B	mg	/kg	Analyze	nalyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	128	16.0	10/23/2017	ND	448	112	400	0.00			

Sample ID: EAST @ SURFACE (H702887-31)

Chloride, SM4500Cl-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	10/23/2017	ND	448	112	400	0.00					

Sample ID: WEST @ SURFACE (H702887-32)

Chloride, SM4500Cl-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	10/23/2017	ND	448	112	400	0.00	

Sample ID: SOUTH @ SURFACE (H702887-33)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
Chloride	112	16.0	10/23/2017	ND	448	112	400	0.00				

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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 SM4500CI-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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Relinquished By: Date: Relinquished By: Imposition Delivered By: Circle One) Sampler - UPS - Bus - Other: Timper: † Cardinal cannot accept verbal changes. Pleds	Project o	30x 805 \$7-6388 Fax #:	Company Name: BBC International, Inc.	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476
Continue of average because because by Cantan Instrumentation of average by the party of the converted By: Phone Result: Yes No Add I Fax #: Withed By: Image of average by cantan Instrumentation of the converted By: Image of average by cantan Instrumentation of the converted By: Image of average by cantan Instrumentation of the converted By: Image of average by cantan Instrumentation of the converted By: Image of average by converted By: Converted Solution Converted Solution Converted By: Converted Solution Converted By: Converted Solution Converted Solution Converted Solution Converted Solution Image of Solution Converted Solution Image of Solution </td <td>ACIDINATION OF THE CONTAINERS OF COORDER OF</td> <td>IM zip: 88241 Attn: Wede Difficich</td> <td>P.O. #:</td> <td></td>	ACIDINATION OF THE CONTAINERS OF COORDER OF	IM zip: 88241 Attn: Wede Difficich	P.O. #:	

Page 13 of 16

† Cardinal cannot	Relinquished By: Relinquished By: Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Othe	PLEASE NOTE: Liability and Damages for analyses. All claims including those for neg anotes – In no event shall Cardinal be liable	20-00- 00-00-00-00-00-00-00-00-00-00-00-0	231	21	12 5	Lab I.D.	FOR LAB USE UNLT	Sampler Name:	Project Location:	Project Name: Ceory	Project #:	Phone #: 575-397-6388	Hobbe	anager:	Company Name: BBC I	ARDINAL 101 East (505) 393
Cardinal cannot accept verbal changes. Please fax written changes to 505-393-24/6	H15,1.84	rdinal's liability and client's exclusive i igence and any other cause whatsoer for incidental or consequental damag	50000 CC	102 40 C	14 A	130/ 2	(G)RAB OR # CONTAIN	(C)OMP.	1	5/252	Censon 23 For		Fax #: 575-397-	State: NM Zip:	Cliff Brunson	BBC International, Inc.	RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476
6	Received By: Received By: Received By: Sample Condition CHECKED BY: Cool Intact Cool Intact Derves Pres	ung whether based in contract or tort, shall be limited to the amount ved unless made in writing and received by Cardinal writin 30 days tation, business interruptions, loss of use, or loss of profits incured tation.	XX XX		***	X	GROUNDW WASTEWA SOIL OIL SLUDGE OTHER : ACID/BASE ICE / COOI OTHER : DATE	TER E:	MATRIX PRESERV SAMPLING	Phone #:	State: Zip:	CY city:		88241 Attn:	Company:	DO #	3
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city: Hobbs Project Manager: Cliff Brunson Company Name: BBC International, Inc. Address: P.O. Box 805 Project Name: Phone #: 575-397-6388 Sampler Name: Project Location: Project #: HTD296-Relinquished By: Relinquished By: Sampler - UPS -Delivered By: FOR LAB USE ONLY Lab I.D. 2 222222222 Sig is (505) 393-2326 FAX (505) 393-2476 (Circle One) Bus - Other: be liable for 040 Sample I.D. 35 Ot osc Project Owner: 0XY Fax #: 575-397-0397 State: NM Zip: 88241 207 9448.1 425 G)RAB OR (C)OMP 5 R Received By # CONTAINERS 20 GROUNDWATER ved By: Cool Intact WASTEWATER ample Condition MATRIX Dure Buratw to apell SOIL OIL SLUDGE P.O. #: Attn: Phone #: State: City: Company: Address: OTHER Fax #: loss of use OL TOUL ACID/BASE PRESERV or loss of ICE / COOL CHECKED BY: BILL OTHER Zip: DATE TO SAMPLING 1.0 client, its subsidiaries 392 J28 1040 Fax Result: REMARKS: 5007 1057 Phone Result: 120 120 00 on of the app cable □ Yes x X ANALYSIS REQUEST Add'l Phone #

† Cardinal cannot accept verbal changes. Please fax written changes to 505-383-244, +, 25°

Page 15 of 16

PLEASE NOTE: Lubelity and analyses. At claims, including service: In no event shall Car anlines or successors anising Relinquished By: Deluvered By: Sampler - UPS -	Lab I.D. H702881 31 32 32 32 32 32 32 32 32 32 32 32 32 32	FOR LAB USE ONLY	Sampler Name:	Project Incation:	Project Name:	Project #:	Phone #: 575-397-6388	city: Hobbs	Address: P.O. B	Project Manager: Cliff Brunson	Company Name:	ARC
Annages. Cardinal's labelity and client's exclusive re- mose for negligence and any offer cause whatsoever isaal to labe for incidental or consequential damages out of or related to the performance of services here: out of or related to the performance of services here: Date: Date: Date: Time: Date: Date: Date: Date: Time: Date: Da	Sample I.D.			the had a character	oder (see an 23-	Project Owner:	Fax #:	State: NM	Box 805	Cliff Brunson	BBC International, Inc.	RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476
ney for any clam analog whether based in contrast of rist, shall be learned to the amount paid shall be deemed waved unless made in writing and received by Cardinal writin 30 days after including writtout immation. Unless with so days after and be Cardinal regarding function in a shared upon any of the above stated rea- rest by Cardinal regarding function in a shared upon any of the above stated rea- rest by Cardinal regarding function in a shared upon any of the above stated rea- rest by Cardinal regarding function in a shared upon any of the above stated rea- rest by Cardinal regarding function in the shared rea- rest by Cardinal regarding function in the shared rea- rest by Cardinal regarding for the shared rea- rest by Cardinal regarding function in the shared rea- rest by Cardinal regarding for the shared real real writights for the shared real real real real real real rest by Cardinal regarding for the shared real real real real real real rest in the shared real real real real real real real real	GROUNDWATER GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE:	MATRIX	Fax	Phone	5 3 H State:	ier: UXY city:	575-397-0397 Address:	zip: 88241 Attn:		P.O. #		S 8240 176
that or tors, shall be limited to the amount paul by the client for the three on the standard by Cardinal within 30 days after completion of the application, loss of use, or loss of profits incurred by deat. It is usualization, it is usualization, and it is usualization in the above stated reasons or otherwise. It is usualized up and the above stated reasons of the above stated reasons at a stated reasons of		PRESERV. SAMPLING		5#	Zip:	1			CXV		BILL IO	CHAIN-OF-CU
pricable Yes INO Add'I Phone #: Yes No Add'I Fax #:												ANALYSIS REQUEST

Page 16 of 16

NM OIL CONSERVATION

ARTESIA DISTRICT

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

NAB1722833617

State of New Mexico Energy Minerals and Natural Resources

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

Release Notification and Corrective Action

OPERATOR

AUG 1 4 2017

Initial Report

Form C-141 Revised April 3, 2017

Final Report

Submit LEOPED appropriate District Office in RECEIVATION with 19.15.29 NMAC.

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Name of Co	mpany	OXY USA I	NC	10090	0 0	Contact V	VADE DITTRI	СН			
Address H	PO BOX 4	294; HOUS	TON, TX	77210	1	Telephone No. 575-390-2828					
Facility Nan	ne CED	AR CANYO	ON 23 FE	DERAL #33H	I	Facility Typ	e WELL				
Surface Ow	ner BLN	М		Mineral C)wner	BLM		API No	. 30-015-44074		
				LOCA	TION	OF REI	LEASE				
Unit Letter	Section	Township	Range	Fect from the	North/	South Line	Feet from the	East/West Line	County		
1	22	24E	29E	2344	S	OUTH	1199	EAST	EDDY		
Type of Rele		DUCED WAT	TER		URE	OF REL	EASE	ls Volume F	ecovered 9 bbls		
Source of Re failure	lease 1.5	inch poly line	connected	d to chemical trail	ler	Date and H 8/10/2017	lour of Occurrence	e Date and	Hour of Discovery		
Was Immedia	ate Notice C		Yes 🗖		equired	If YES, To MIKE BR. TUCKER-	ATCHER-NMOC	CD; CRYSTAL WE	AVER-NMOCD; SHELLY		
By Whom?	the second s	ITTRICH			~	Date and H	lour 8-11-2017	@ 12:35 PM			
Was a Watero	course Read	hed?	Yes 🛛	No		If YES, Vo	olume Impocting	the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Spill caused by a 1.5-inch poly line connected to chemical trailer failure. The leak has been repaired and is back in service.

Describe Area Affected and Cleanup Action Taken.*

The affected area of the spill is 10x25 FT, Leak did not leave the location-9 bbls inside cont. -3 outside (measurements are subject to change with GPS tracking). Remediation will be completed in accordance with a remediation plan approved by the NMOCD and the SLO.

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.

1 1 Aiil	OIL CONSERVATION DIVISION
Signature: Montel Mith	A A DA LA
Printed Name: WADE DITTRICH	Approved by Environmental Specialist:
Title: ENVIROMENTAL COORDINATOR	Approval Date: 81511 Expiration Date: N/A
E-mail Address: wade_dittrich@exy.com	Conditions of Approval: Attached
Date: 8/14/2017 Phone: 575-390-2828	see attached 2004342

Attach Additional Sheets If Necessary

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 8/14/17 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number $\frac{2RP-4347}{2}$ has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District II office in Artesia on or before 9/14/17. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

• Nominal detection limits for field and laboratory analyses must be provided.

• Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us

Weaver, Crystal, EMNRD

From:	Wade_Dittrich@oxy.com
Sent:	Monday, August 14, 2017 10:45 AM
To:	Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD
Cc:	stucker@blm.gov; cbrunson@bbcinternational.com; kathy@bbcinternational.com;
	kswinney@bbcinternational.com; jgilkey@bbcinternational.com;
	Jennifer_Smith@oxy.com
Subject:	Cedar Canyon 23 Fed. Com 0033H
Attachments:	Scanned from a Xerox Multifunction Device

All,

Attached is the Initial C-141. Please review and let me know if there any questions. Thank you.

Wade Dittrich Environmental Coordinator Oxy Permian-New Mexico 575.390.2828 cell Wade_Dittrich@Oxy.com

Weaver, Crystal, EMNRD

From:	Wade_Dittrich@oxy.com
Sent:	Friday, August 11, 2017 11:35 AM
To:	Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD
Cc:	stucker@blm.gov; cbrunson@bbcinternational.com; kathy@bbcinternational.com;
	kswinney@bbcinternational.com; jgilkey@bbcinternational.com;
	Jennifer_Smith@oxy.com
Subject:	Cedar Canyon 23 Fed. Com 0033H

All,

This is to inform you that Oxy Permian had a **Reportable** release in **Eddy County** at the <u>Cedar Canyon 23 Fed. Com</u> <u>#0033H</u> on 8/10/2017.

- Release Location: Legal -22-24S-29E, API: 30-015-44074
- Release Volume: 0 bbls of Oil and 12 bbls of Produced Water.
- Recovered: 9 bbls recovered
- Cause of Release: 1.5 inch poly line connected to chemical trailer failure
- Approximate Area impacted by release: 10x25 FT, Leak did not leave the location-9 bbls inside cont. -3 outside (measurements are subject to change with GPS tracking)
- GPS Coordinates and Driving Direction: 32.2020942 ,-103.9676325 Follow GPS to site.

Please let me know if you have any questions.

Wade Dittrich Environmental Coordinator Oxy Permian-New Mexico 575.390.2828 cell Wade_Dittrich@Oxy.com