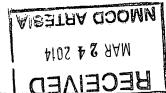
RECEIVED | Closure Report



MAR 24 2014

	Selections and own selected and the selections	
Site Name:	Nagooltee Peak 5 Fed Com #2	
Company:	Oxy Permian Ltd.	
Legal Description:	U/L E, Section 5, T22S, R24E	
County:	Eddy County, NM	
GPS Coordinates:	N 32.42378° W 104.52532°	

Release Data			
Date of Release:	07/11/2013		
Type of Release: Produced water			
Source of Release:	Hole in steel flow line		
Volume of Release:	60 bbls		
Volume Recovered:	0 bbls		

Remediation Specifications					
Remediation Parameters: Excavate to a depth of 1 foot across the areas around SP1 and SP2. Do not disturb the remaining areas due to steep terrain unless otherwise notified. Then, backfill the excavated areas with clean soil.					
Remediation Activities: 02/19/2014 to 02/28/2014					

Plan Sent to OCD:	01/01/2014	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	01/09/2014	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	01/28/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	01/30/2014	Email from J. Van Curen to Cliff Brunson

Supporting Documentation			
Initial C-141	Signed 07/29/2013		
Final C-141	Signed 03/20/2014		
Site Diagram	July 2013		
Groundwater Plot	<50'		
TOPO Maps	July 2013		
Lab Summary	07/12/2013 and 07/15/2013 to 07/16/2013		
Lab Analysis	07/12/2013 and 07/15/2013 to 07/16/2013		
Correspondence	Request and approval of remediation plan via email		

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

03/20/2014

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Name of Company

Surface Owner BLM

Facility Name

Address

State of New Mexico Energy Minerals and Natural Resources

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

Revised October 10, 2003

Form C-141

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action **OPERATOR** ☐ Initial Report Final Report Contact Christopher Jones Oxy Permian Ltd. 1502 W. Commerce Dr., Carlsbad, NM Telephone No. (575) 628-4121 Nagooltee Peak 5 Federal #2 Facility Type Mineral Owner API No. 30-015-28074

LOCATION OF RELEASE Unit Letter Section Range North/South Line East/West Line County Township Feet from the Feet from the Ε 5 **22S** 24E 1562 North 1202 West Eddy County, NM

.: 4.1.do XV 104 E2E220

NATURE OF RELEASE						
Volume of Release 60 bbls	Volume Recovered 0 bbls					
Date and Hour of Occurrence Date and Hour of Discovery 07/11/2013						
If YES, To Whom? Mike Bratcher and Jean Marie Wa	arren- OCD, James Amos- BLM					
Date and Hour 07/12/2013 @ 1	0:54 am					
If YES, Volume Impacting the Wa						
the ground. No fluids were recovered	d. The line was repaired.					
pleted in accordance with a plan appro	oved by NMOCD and the BLM.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local law and/or regulations.						
OIL CONSERVATION DIVISION Signature:						
Printed Name: Christopher Jones Approved by District Supervisor:						
Approval Date: Expiration Date:						
Attached Date: 7-73 Phone: (575) 628-4121						
1 1 1 1 1 1 1	Volume of Release 60 bbls Date and Hour of Occurrence 07/11/2013 If YES, To Whom? Mike Bratcher and Jean Marie Wa Date and Hour 07/12/2013 @ 1 If YES, Volume Impacting the Wa the ground. No fluids were recovered pleted in accordance with a plan approach the best of my knowledge and understance in NMOCD marked as "Final Report" are NMOCD marked as "Final Report" at econtamination that pose a threat to does not relieve the operator of responsible to the contamination of the pose and pose a					

^{*} Attach Additional Sheets If Necessary

District I 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, 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

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

Revised October 10, 2003

Form C-141

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

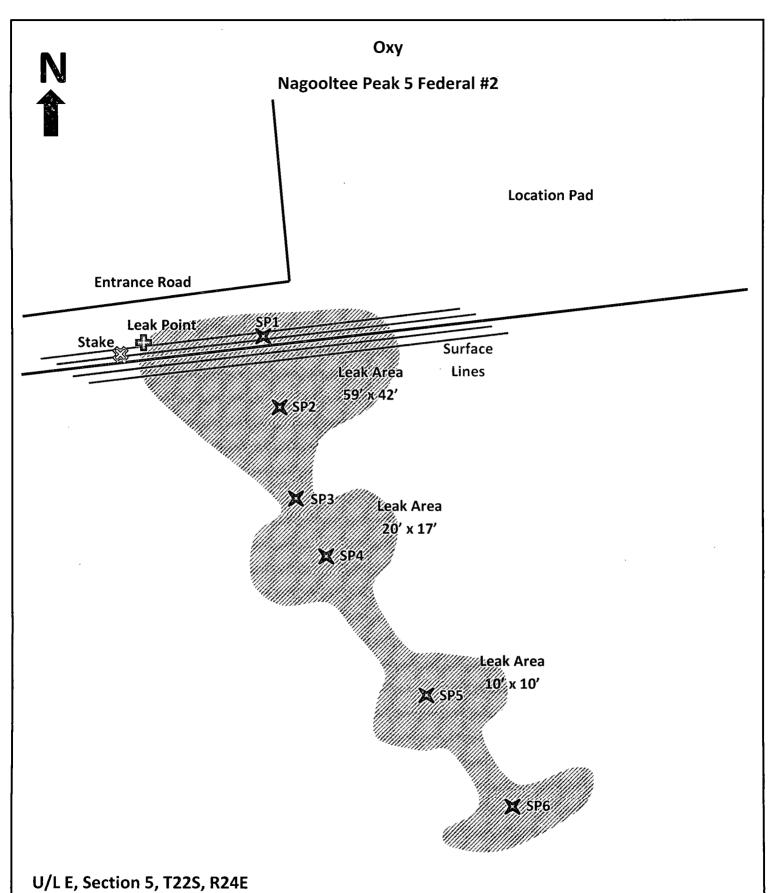
Release Notification and Corrective Action **OPERATOR** Initial Report Final Report Name of Company Oxy Permian Ltd. Contact Christopher Jones 1502 W. Commerce Dr., Carlsbad, NM Address (575) 628-4121 Telephone No. Facility Name Nagooltee Peak 5 Federal #2 Facility Type Surface Owner BLM Mineral Owner API No. 30-015-28074 LOCATION OF RELEASE Unit Letter Section Feet from the North/South Line East/West Line Township Range Feet from the County Ε 5 22S 24E 1562 North 1202 West Eddy County, NM Latitude N 32.42378° Longitude W 104.52532° NATURE OF RELEASE Type of Release Produced water Volume of Release 60 bbls Volume Recovered 0 bbls Source of Release Date and Hour of Occurrence Hole in steel flow line Date and Hour of Discovery 07/11/2013 Was Immediate Notice Given? If YES, To Whom? Mike Bratcher and Jean Marie Warren- OCD, James Amos- BLM By Whom? Christopher Jones Date and Hour 07/12/2013 @ 10:54 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 hole in a steel flow line caused 60 bbls of produced water to leak onto the ground. No fluids were recovered. The line was repaired. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 200' x 60'. Remediation was completed in accordance with a plan approved by Mike Bratcher of NMOCD via email on 01/09/2014 and approved by Jennifer Van Curen of the BLM via email on 01/30/2014. 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 District Supervisor: Printed Name: Christopher Title: HES Specialist Approval Date: **Expiration Date:** E-mail Address: Christopher Jones@oxy.com Conditions of Approval: Attached [

Phone:

(575) 628-4121

Date:

^{*} Attach Additional Sheets If Necessary



1562' FNL and 1202' FWL Eddy County, NM GPS at Stake: N 32.42378° W 104.52532° API#30-015-28074, NM Lease # 81217

BBC International, Inc.			
Оху			
Nagooltee Peak 5 Federal #2			

Date: 07/17/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013



Groundwater Plot

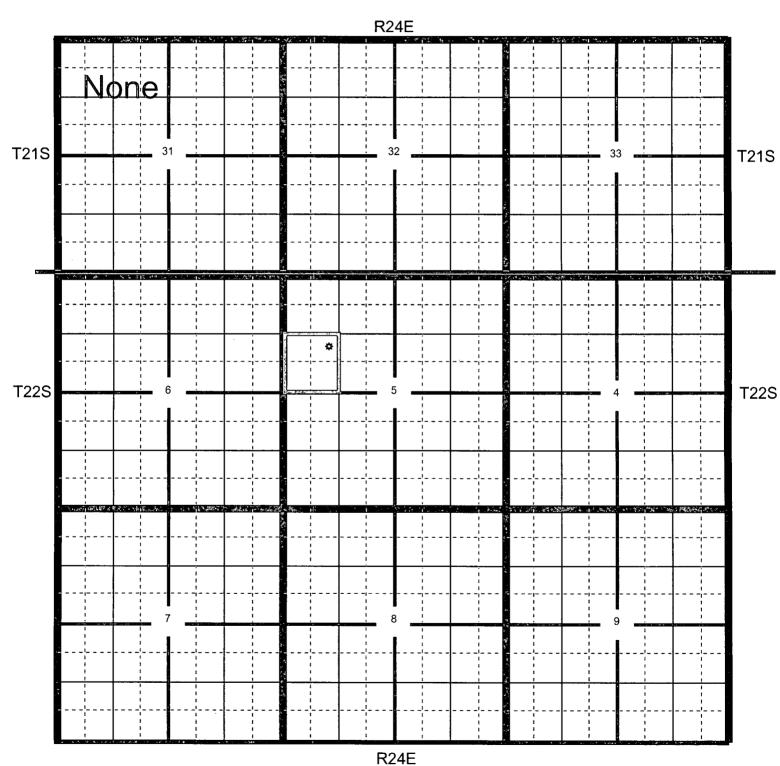
Oxy Nagooltee Peak 5 Federal #2

County Eddy Unit Letter

Section 5 Township 22S Range 24E

Trend Map

<50'



‡ Location

OCD

OUSGS

o SEO

All Databases



Section Quarters

Oxy Nagooltee Peak 5 Federal #2

CountyUnit LetterSectionTownshipRangeEddyE522S24E

Trend Map <50'

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♣ Location

o OCD

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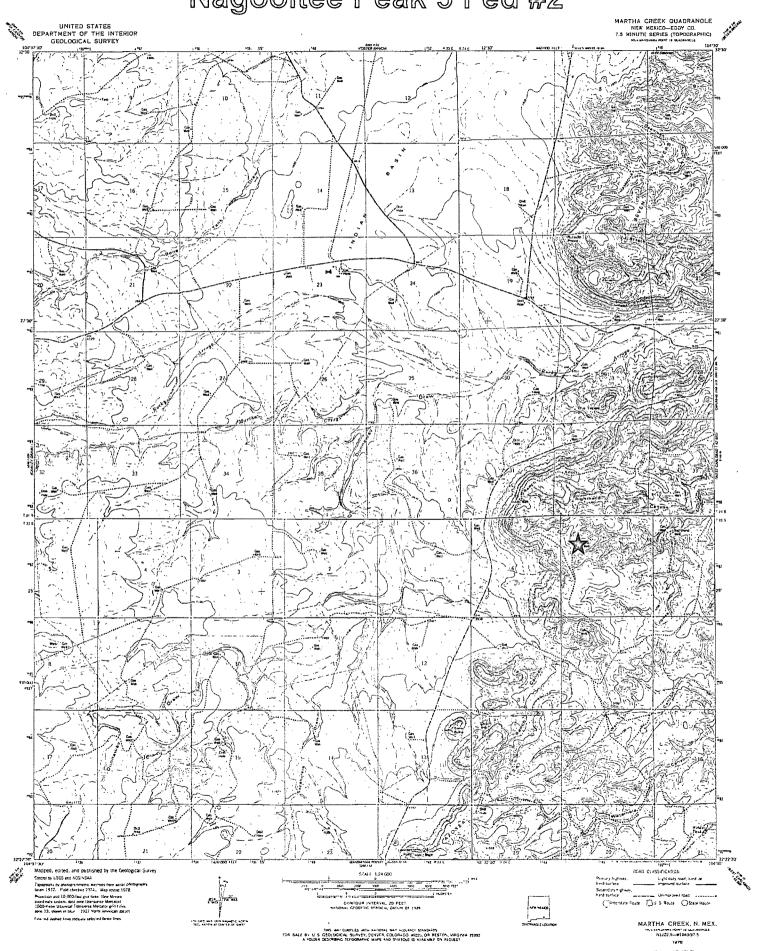
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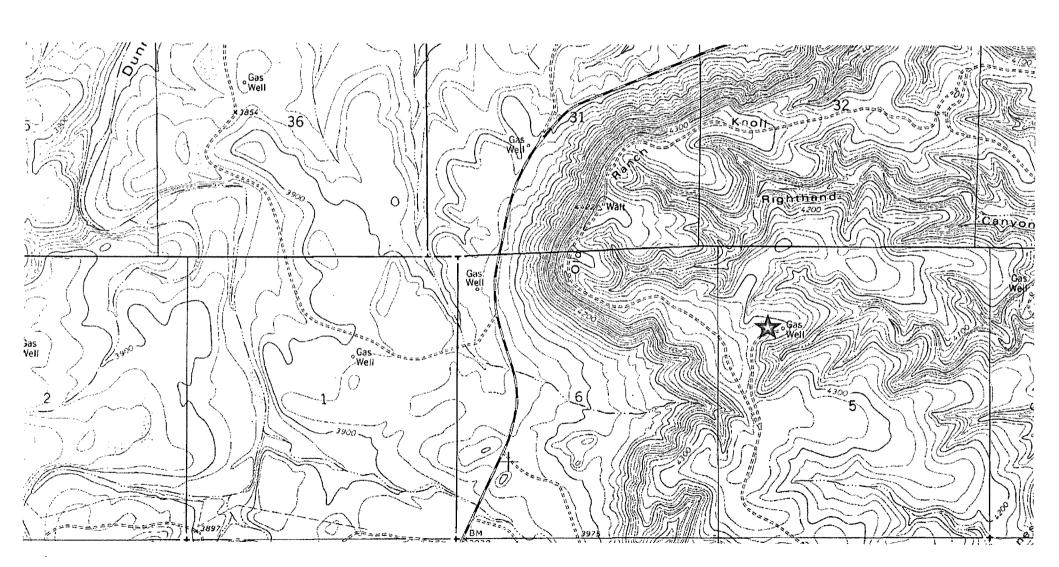
All Databases

Oxy

Nagooltee Peak 5 Fed #2



Oxy Nagooltee Peak 5 Federal #2



Laboratory Analytical Results Summary Nagooltee Peak 5 Fed Com #2

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/15/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.103	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.658	<0.150	<0.150
Total BTEX	BTEX 8021B		0.814	<0.300	< 0.300
Chloride	SM4500CI-B		512	480	256
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		57.4	<10.0	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/15/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.412	<0.150	<0.150
Total BTEX	BTEX 8021B		0.499	<0.300	<0.300
Chloride	SM4500CI-B		1310	496	288
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/15/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		656	1150	192
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP4@ SURFACE	SP4 @ 1'	SP4 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		1570	592	224
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		17	<10.0	<10.0

		Sample	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.092	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.212	<0.150	<0.150
Total BTEX	BTEX 8021B		0.336	<0.300	<0.300
Chloride	SM4500CI-B		800	576	160
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.094	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.219	<0.150	<0.150
Total BTEX	BTEX 8021B		0.346	<0.300	<0.300
Chloride	SM4500CI-B		672	576	192
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0



July 19, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NAGOOLTEE PEAK 5 FED COM #2

Enclosed are the results of analyses for samples received by the laboratory on 07/15/13 10:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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/qa/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.

Mile Soush

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,

Mike Snyder

Organic Supervisor



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

Fax To:

(575) 397-0397

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

2-001 & 1116461

Project Location:

EDDY COUNTY, NM

Sample Rece

Jodi Henson

Sample ID: SP 1 @ SURFACE (H301647-01)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2013	ND	2.32	116	2.00	13.8	
Toluene*	0.103	0.050	07/16/2013	ND	2.18	109	2.00	14.6	
Ethylbenzene*	<0.050	0.050	07/16/2013	ND	2.21	110	2.00	15.2	
Total Xylenes*	0.658	0.150	07/16/2013	ND	6.53	109	6.00	13.9	
Total BTEX	0.814	0.300	07/16/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 5	% 89.4-12	6			,			
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	57.4	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	89.6	% 65.2-14	0				·		
Surrogate: 1-Chlorooctadecane	108 9	% 63.6-15	4						

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 whatsoever 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.

Whe South



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

Fax To: (575) 397-0397

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

Sampling Type:

Soil

Project Name:

07/19/2013

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

NAGOOLTEE PEAK 5 FED COM #2

Sample ID: SP 1 @ 1 FT (H301647-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	91.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	108 9	63.6-15	4						

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 chert for analyses. All claims, including those for negligence and any other cause whatsoever 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 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.

wite South



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

Fax To: (575) 397-0397

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ SURFACE (H301647-03)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	0.412	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	0.499	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	07/18/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS		<u> </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	88.4	% 65.2-14	0	-					
Surrogate: 1-Chlorooctadecane	99.4	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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wite South



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

Fax To: (575) 397-0397

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Cool & Intact

Project Number:

NONE GIVEN

Sampling Condition: Sample Received By:

Jodi Henson

Project Location: EDDY COUNTY, NM

Sample ID: SP 2 @ 1 FT (H301647-04)

BTEX 8021B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	86.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.6	% 63.6-15	4						

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

Fax To:

(575) 397-0397

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 3 @ SURFACE (H301647-05)

BTEX 8021B	mg/kg		Analyze	Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 %	6 89.4-12	6			•			
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	90.2 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	107 %	63.6-15	4						

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Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

Project Number:

NAGOOLTEE PEAK 5 FED COM #2 NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: SP 3 @ SURFACE (H301647-06)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	86.1	% 65.2-14	0	<u> </u>					
Surrogate: 1-Chlorooctadecane	101 9	% 63.6-15	4						

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Fax To:

(575) 397-0397

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 4 @ SURFACE (H301647-07)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 5	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	17.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	88.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	107	% 63.6-15	4						

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Fax To: (575) 397-0397

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

Sampling Type:

Soil

07/19/2013

Cool & Intact

Project Name: Project Number: NAGOOLTEE PEAK 5 FED COM #2 NONE GIVEN

Sampling Condition: Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 4 @ 1 FT (H301647-08)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	< 0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	84.1 9	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	96.9 9	% 63.6-15	4						

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Fax To:

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Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 5 @ SURFACE (H301647-09)

BTEX 8021B	mg/kg		Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	0.092	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	0.212	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	0.336	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	86.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 9	% 63.6-15	4						

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(575) 397-0397 Fax To:

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 5 @ 1 FT (H301647-10)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 %	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	07/18/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS			<u>.</u> .		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	83.8 9	% 65.2-14	0					,,,	
Surrogate: 1-Chlorooctadecane	94.85	% 63.6-15	J						

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Mike Snyder, Organic Supervisor

Page 11 of 16



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Fax To: (575) 397-0397

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 6 @ SURFACE (H301647-11)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	0.094	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	0.219	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	0.346	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	80.4	% 65.2-14	0			-			
Surrogate: 1-Chlorooctadecane	95.1	% 63.6-15	4						

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Fax To: (575) 397-0397

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 6 @ 1 FT (H301647-12)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 %	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	07/18/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					= 1 = 0
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	84.6	% 65.2-14	0						
Surveyantes I Chlore actadagana	00.77	7 62 6 15							

Surrogate: 1-Chlorooctadecane

99.7 %

63.6-154

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476		
Company Name: BBC International, Inc.	SULFE	ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O. #:	
Address: P.O. Box 805	Company:	
City: Hobbs State: NM Zip: 88241	Attn:	
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:	
Project #: Project Owner: /j /\	City: (14 M	
Project Name: Nagolfee Pepke 5-2 Project Location: Carli Bad	State: Zip:	
Project Location: Carl 4 Bad	Phone #:	
Sampler Name: JEFF of Neles	Fax #:	
FOR LAB USE ONLY MATRIX	PRESERV SAMPLING	
(C)		
Lab I.D. Sample I.D. 방향 기계	H. 100 SAS	
H30 IMT (G)RAB OR (C)OP # CONTAINERS GROUNDWATER WASTEWATER CONTAINERS COIL OIL	ACIDIBASE: ICE / COOL OTHER:	
SPZ@SurFace 61 X	X. 7-13 10:35 XXX	
28P1@2F+ 62 X	X 7-12-13 11:13 XXX	
3 SP2@ Surface 62 X	X 7-12-13 11 39 X X X	
4 622 Exe 2F4 6 2 X	X 7-12-13 1200 X X X	
5 SP3@ Surface 61	X 7-13 1:11 X X X	
6838 2F+ 62 X	X 2-12-15-11:20 X V X	
7 1990 Surface 67 X	X 7-12-13 1:38 X X X	
8 584@ 2F4 62 X	X 212-13 2:00 X X X	
9 SP5@ Surface 62 X	7-12-13a:15 X X X	
10 sp se 2F+ 62 X	X 2-13-13 2:31 X X X	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any dalm arising whether based in cor analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writin		

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remady for any data whether based in contract or lort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed wisting and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliable or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	124816/12	Regeived By:		Phone Result:	☐ Yes	□ No	Add'l Phone #:		
	1110110	100	M	Fax Result:	_ □ Yes	□ No	Add'l Fax #:		
Tor	Timenine		MONDON	REMARKS:					
SYF OF	16.73	nau	Carrier C					•	
Relinquished By:	Date:	Received By:							
	·					•	*		
	Time:			• [
	<u> </u>			_i					
Delivered By: (Circle One)			Condition CHECKED BY:	1					
			intact (ibifials)	1					
Sampler - UPS - Bus - Other:		/A / = -	Pes A						
	U	<i>N</i> 0 4 □ No	□ No □	<u> </u>					·
			/						

#54

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-24/6

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	BBC International, Inc.							9						•	ANA	LYSK	RE	QUE	ST			
	r: Cliff Brunson			:			O. #:		AT 100 10 000 4110		Ì								<u>.</u>			1
Address: P.O.	Box 805				- :	C	mpa	ny:			1								į i			
city: Hobbs	State: NM	Zip	: 8	8241		At	tn:				1											
Phone #: 575-				-		Ac	ldres	s:/	<u>ب</u>		1	·	Ċ			ŀ						
Project #:	Project Owner	: 0	Κų			Ci	ty:		anc						1			· .				
Project Name:						St	ate:		Zip:			-		·	'				ŀ		()	
Project Location	Magnotee feak 5-2 n: Carls Bad. Jeff or Malase				,	Pł	one	#:			1]				ŀ						
Sampler Name:	JEFF Or Release					Fa	x #:				1	1			l			ł				1
FOR LAB USE ONLY				M/	TRIX		PRE	SER\	SAMPL	ING	1										, ,	
Lab I.D. H301647	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	OIL	OTHER:	ACID/BASE:	ICE / COOL	DATE	TIME	-72	HAL	18-TEX									
- 11	SP 6 @ Sur Face	6	2	X				X	7-12-13	3:02	X	义	乂									
12	SP 6 @ Sur Face SP 6 @ 2F+	6	2	- 7			Ш	<u>k</u>	7-12-13	7:19	人	X	X									
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			-		+- -	-	$\left\{ -\right\}$			<u> </u>		<u> </u>				_		<u> </u>	 			
PLEASE NOTE: Liability a	nd Damages. Cardinal's liability and client's exclusive remedy for a	ny clair	n arisir	ng whether bas	ed in contra	ct or to	rt, shell i	pe limite	d to the amount pa	id by the client fo	r the			<u> </u>		<u> </u>		<u>l</u>	<u> </u>	L		<u> </u>

Relinquished By:	Date 15/13 Received B		Phone Result:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:	
Self war	Timbro: 25/ NOU	Menson	REMARKS:				
Relinquished By:	Date: Received B	y: •	·				
	Time:						
Delivered By: (Circle One)		mple Condition CHECKE	D BY:			•	
Sampler - UPS - Bus - Other:		Yes I Yes No No	分				

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



July 23, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NAGOOLTEE PEAK 5 FED COM #2

Enclosed are the results of analyses for samples received by the laboratory on 07/17/13 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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/qa/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.

Celeg Theme

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:

07/17/2013

Sampling Date:

07/15/2013

Reported:

07/23/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 1 @ 1 1/2 (H301678-01)

BTEX 8021B	mg/	kg	Analyze	d By: DW			<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3	
Toluene*	< 0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/22/2013	ND	432	108	400	3.77	
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	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15	
Surrogate: 1-Chlorooctane	87.19	65.2-14	0						
Surrogate: 1-Chlorooctadecane	105 %	63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



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

Fax To: (575) 397-0397

Received:

07/17/2013

Sampling Date:

07/15/2013

Reported:

07/23/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ 1 1/2 (H301678-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3	
Toluene*	< 0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/22/2013	ND	432	108	400	3.77	
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	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15	
Surrogate: 1-Chlorooctane	76.2 9	65.2-14	0	-					
Surrogate: 1-Chlorooctadecane	89.79	63.6-15	4						

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Celeg & Keene



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

Fax To: (575) 397-0397

Received:

07/17/2013

Sampling Date:

07/15/2013

Reported:

07/23/2013

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

Project Number:

NAGOOLTEE PEAK 5 FED COM #2 NONE GIVEN

Project Location:

Sample Received By:

Jodi Henson

EDDY COUNTY, NM

Sample ID: SP 3 @ 1 1/2 (H301678-03)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3	
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/22/2013	ND	432	108	400	3.77	
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	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15	
Surrogate: 1-Chlorooctane	81.7 9	% 65.2-14	0		•				
Surrogate: 1-Chlorooctadecane	92.4 9	63.6-15	4						

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Celey D. Keine



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

Fax To:

(575) 397-0397

Received:

07/17/2013

Sampling Date:

07/16/2013

Reported:

07/23/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 4 @ 1 1/2 (H301678-04)

BTEX 8021B	mg,	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3	
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 89.4-12	6				•		
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: DW		<u>-</u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/22/2013	ND	432	108	400	3.77	
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	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15	
Surrogate: 1-Chlorooctane	81.9	% 65.2-14	0	_					
Surrogate: 1-Chlorooctadecane	98.9	% 63.6-15	4						

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*=Accredited Analyte

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Celey D. Keine



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

Fax To: (575) 397-0397

Received:

07/17/2013

Sampling Date:

07/16/2013

Reported:

07/23/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 5 @ 1 1/2 (H301678-05)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3	
Toluene*	< 0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	< 0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/22/2013	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	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15	
Surrogate: 1-Chlorooctane	80.8 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.19	63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celey & Keene



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

Fax To: (575) 397-0397

Received:

07/17/2013

Sampling Date:

07/16/2013

Reported:

Soil

07/23/2013

Sampling Type:

Cool & Intact

Project Name:

NAGOOLTEE PEAK 5 FED COM #2 NONE GIVEN

Sampling Condition:

Project Number: Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: SP 6 @ 1 1/2 (H301678-06)

BTEX 8021B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS 2.02	% Recovery	True Value QC 2.00	RPD 10.3	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND					
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 5	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/22/2013	ND	432	108	400	0.00	
TPH 8015M mg/kg		kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28 <10.0		10.0	07/22/2013	ND	193	96.6	200	3.15	
Surrogate: 1-Chlorooctane	85.7% 65.2-140		0						
Surrogate: 1-Chlorooctadecane	99.5	% 63.6-15	4						

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 whatsoever 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 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 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. Kune



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatspeever 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 claims 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 & Keena

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc.	ANALYSIS REQUEST							
Project Manager: Cliff Brunson	P.O. #:							
Address: P.O. Box 805	Company:	1						
City: Hobbs State: NM Zip:	Attn:	1						
Phone #: 575-397-6388 Fax #: 575-397-	Address	1						
Project #: Project Owner: <i>O</i> አ	City: Cy	1						
Project Name: Negral Her Peak 5-2	State: Zip:	1 1 1	1 1 1					
Project Location: Carls Bad	Phone #:							
Sampler Name: Teff of Nelas	· .	Fax #:	1					
FOR LAB USE ONLY	MATRIX	PRESERV SAMPLING		1				
Lab I.D. Sample I.D. H分の167分	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: ICE / COOL OTHER:	12-16					
1 582@21/2 6	2	X 21517 1:11	YXX					
2 5826 1 1/2 6	2 X	X 7.1517 200	XXX					
3 18 30 2 V/2 6	2 X	1 7 1513 2.03	XXX					
4 59 40 2/2 6	1 X	X 7-16-13 9:19	X X					
5 8 5C12/2 6	2 X	X 7-16-13 10:11	X X X					
6 506@12 6	2 X	X 7-16-17 1:09	X X X					
				1-1-				
PLEASE NOTE: Liability and Damages, Cardinal's (liability and client's exclusive remedy for any claim)	arising whether board is existent			<u> </u>				

PLEASE NOTE: Liability and Damages. Cerdinal's liability and client's exclusive remedy for any claim arising whether based in contract or ton, shall be limited to the emount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cerdinal writin's 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequented damages, including without limitation, business interruptions, loss of use, or loss or profile incurred by client, its subsidiaries, entitles on a suppossible of the performance of services bereunder by Cardinal, regardless of whether such datin is based upon any of the above stated reasons or otherwise.

	uished By:	4/11/13	Received By:	H)	10.4	Phone Result: Fax Result:	☐ Yes ☐ Yes	□ No	Add'l Phone #: Add'l Fax #:		
1	ext orgas	T4:30	Wall	the	non	REMARKS:					
Relinq	uished By:	Date:	Received By:			· ·					•
		Time:									
	rered By: (Circle One)		7 Cool	Condition Intact	CHECKED BY:		•		•	•	
Samp	ler - UPS - Bus - Other:	•	56 B		CAL					:	

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

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Sent: Thursday, January 09, 2014 8:27 AM

To: Cliff P. Brunson

Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: RE: OXY-Nagooltee Peak 5 Federal #2-Remediation Plan

Reference: OXY USA WTP, LP * Nagooltee Peak 5 002 * 30-015-28074 * E-5-22s-24e * Eddy County, New Mexico

NMOCD Tracking number: 2RP-1767 * Date of release: 7/11/2013

Cliff,

Your proposal for remediation of the above reference produced fluid release is approved. Please notify OCD prior to commencement of remedial activities. Federal sites will require like approval by BLM.

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.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108

C: 575-626-0857 F: 575-748-9720

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Wednesday, January 01, 2014 1:28 PM

To: Bratcher, Mike, EMNRD

Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis **Subject:** OXY-Nagooltee Peak 5 Federal #2-Remediation Plan

Mike,

This e-mail is to confirm our conversation on December 18, 2013 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 1 foot in the areas depicted by SP1 and SP2. The rest of the spill area will not be disturbed due to steep terrain. The excavated area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA

Phone: (575) 397-6388 Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

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Kathy Purvis

From: Van Curen, Jennifer <jvancure@blm.gov>
Sent: Thursday, January 30, 2014 6:00 AM

To: Cliff P. Brunson

Cc:Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy PurvisSubject:Re: FW: OXY-Nagooltee Peak 5 Federal #2-Remediation Plan

Plan Implementation:

1. Cleanup actions must be initiated within 30 days of plan approval.

2. Area that is downslope from area that is being re-mediated will need to have a followup in 120 days. If vegetation is not successful, due to contaminants, disturbance up-slope causing issues, or other; further work may be required.

Samples are older than 60 days for pad and 30 days for pasture, but it will not be required for bottoms due to low levels.

BLM approval of this proposal does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health, or the environment, or if the location fails to reclaim properly. In such an event that location does not vegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations.

JENNIFER E VAN CUREN ENVIRONMENTAL PROTECTION SPECIALIST DOI-BLM-CARLSBAD FIELD OFFICE 320 E GREENE ST. CARLSBAD, NM 88220 OFFICE- 575-234-5905 CELL - 575-361-0042

FAX - 575-234-5927

On Tue, Jan 28, 2014 at 6:19 PM, Cliff P. Brunson < <u>cbrunson@bbcinternational.com</u>> wrote: Jennifer.

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD as referenced by his e-mail below. Oxy will excavate to a depth of 1 foot in the areas depicted by SP1 and SP2. The rest of the spill area will not be disturbed due to steep terrain. The excavated area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397

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From: Mike Bratcher < mike.bratcher@state.nm.us >

Date: Thursday, January 9, 2014 8:27 AM

To: Cliff Brunson < cbrunson@bbcinternational.com>

Cc: Chris Jones < Christopher Jones@oxy.com >, Ken Swinney < kswinney@bbcinternational.com >, Jennifer Gilkey

<igilkey@bbcinternational.com>, Kathy Purvis <kathy@bbcinternational.com>

Subject: RE: OXY-Nagooltee Peak 5 Federal #2-Remediation Plan

Reference: OXY USA WTP, LP * Nagooltee Peak 5 002 * 30-015-28074 * E-5-22s-24e * Eddy County, New Mexico

NMOCD Tracking number: 2RP-1767 * Date of release: 7/11/2013

Cliff,

Your proposal for remediation of the above reference produced fluid release is approved. Please notify OCD prior to commencement of remedial activities. Federal sites will require like approval by BLM.

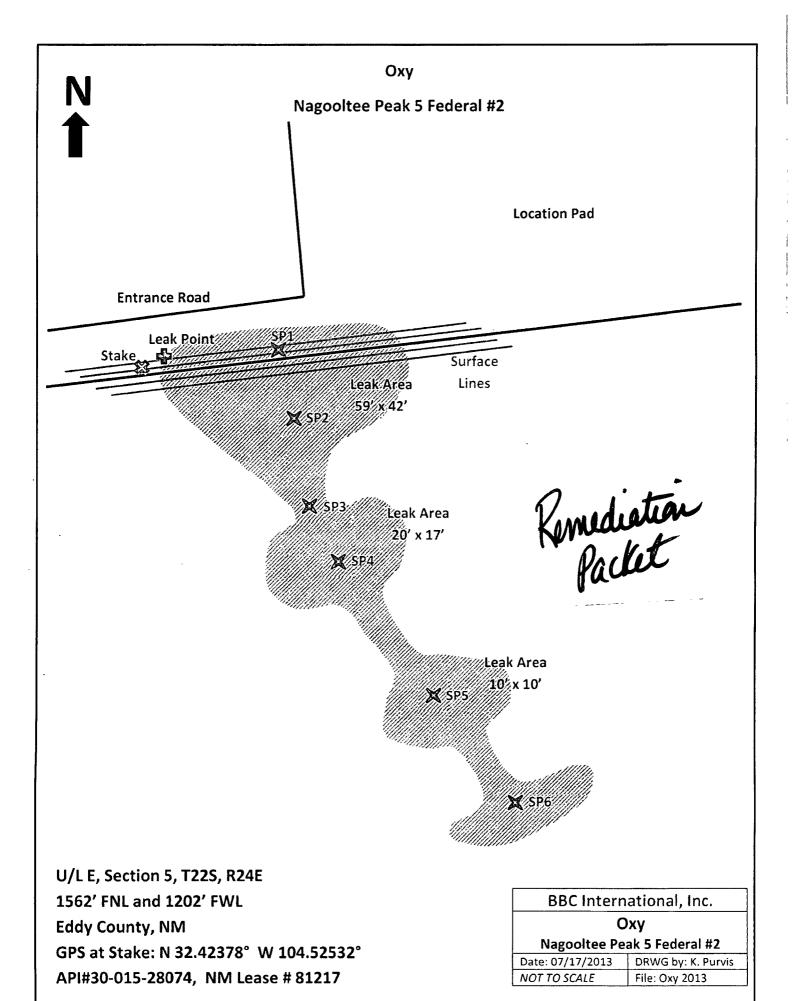
OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720
From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com] Sent: Wednesday, January 01, 2014 1:28 PM To: Bratcher, Mike, EMNRD Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis Subject: OXY-Nagooltee Peak 5 Federal #2-Remediation Plan
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If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.
Thanks, Cliff
Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.

World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
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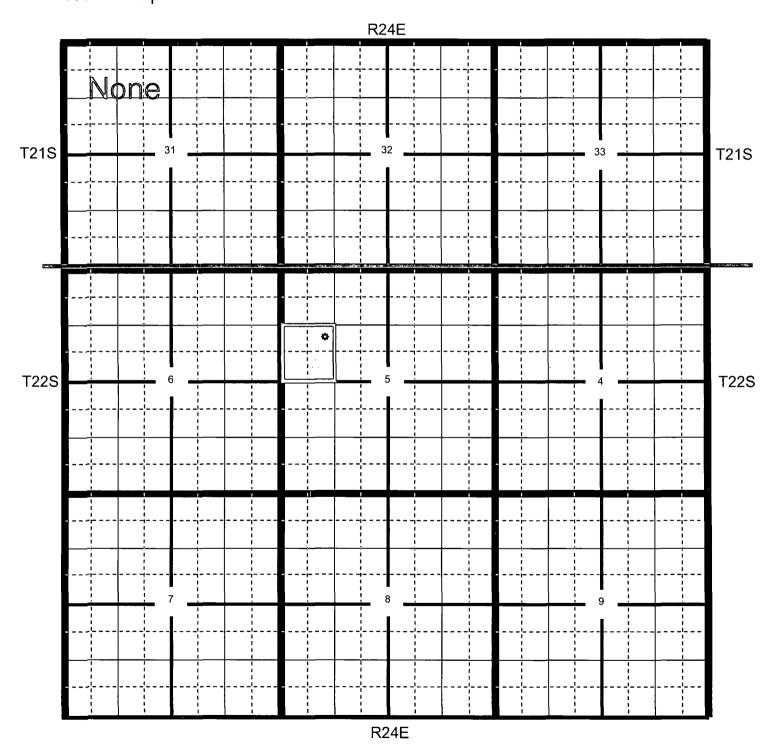


Groundwater Plot

Oxy Nagooltee Peak 5 Federal #2

CountyUnit LetterSectionTownshipRangeEddyE522S24E

Trend Map <50'



⇔ Location

OCD

OUSGS

OSEO

All Databases



Section Quarters

Oxy Nagooltee Peak 5 Federal #2

CountyUnit LetterSectionTownshipRangeEddyE522S24E

Trend Map <50'

1

NW/NW	NE/NW	NW/NE	NE/NE
7 T	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	
None			
	i 1 1		
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW∤NE	SE/NE
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NW/SW	NE/SW	NW/SE	NE/SE
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		; ; ;	
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

 ♣ Location
 ○ OCD
 ○ USGS
 ○ SEO
 ♠ All Databases

Laboratory Analytical Results Summary Nagooltee Peak 5 Fed Com #2

		Sample SP1 @ SURFACE		SP1 @ 1'	SP1 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/15/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.103	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.658	<0.150	<0.150
Total BTEX	BTEX 8021B		0.814	<0.300	<0.300
Chloride	SM4500CI-B		512	480	256
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		57.4	<10.0	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/15/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B	_	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.412	<0.150	<0.150
Total BTEX	BTEX 8021B		0.499	<0.300	<0.300
Chloride	SM4500CI-B		1310	496	288
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3.@ 1.5'	
Analyte	Method	Date	7/12/13	7/12/13	7/15/13	
			mg/Kg	mg/Kg	mg/Kg	
Benzene	BTEX 8021B		<0.050	<0.050	0.050	
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	
Total BTEX	BTEX 8021B		<0.300	< 0.300	<0.300	
Chloride	SM4500CI-B		656	1150	192	
GRO	TPH 8015M		<10.0	<10.0	<10.0	
DRO	TPH 8015M	1	<10.0	<10.0	<10.0	

		Sample	SP4@ SURFACE	SP4 @ 1'	SP4 @ 1.5'
Analyte	Method	hod Date		7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		1570	592	224
GRO	TPH 8015M		<10.0	<10.0	<10.0_
DRO	TPH 8015M		17	<10.0	<10.0

		Sample	SP5 @ SP5 @ 1'		SP5 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.092	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.212	<0.150	<0.150
Total BTEX	BTEX 8021B		0.336	<0.300	<0.300
Chloride	SM4500CI-B		800	576	160
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.094	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.219	<0.150	<0.150
Total BTEX	BTEX 8021B		0.346	<0.300	<0.300
Chloride	SM4500CI-B		672	576	192
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0



July 19, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NAGOOLTEE PEAK 5 FED COM #2

Enclosed are the results of analyses for samples received by the laboratory on 07/15/13 10:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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/qa/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.

Wile South

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,

Mike Snyder

Organic Supervisor



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

(575) 397-0397 Fax To:

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

Sampling Type:

Soil

07/19/2013

Sampling Condition:

Cool & Intact

Project Name:

NAGOOLTEE PEAK 5 FED COM #2 NONE GIVEN

Sample Received By:

Jodi Henson

Project Number: Project Location:

EDDY COUNTY, NM

Sample ID: SP 1 @ SURFACE (H301647-01)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2013	ND	2.32	116	2.00	13.8	
Toluene*	0.103	0.050	07/16/2013	ND	2.18	109	2.00	14.6	
Ethylbenzene*	<0.050	0.050	07/16/2013	ND	2.21	110	2.00	15.2	
Total Xylenes*	0.658	0.150	07/16/2013	ND	6.53	109	6.00	13.9	
Total BTEX	0.814	0.300	07/16/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	109	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	57.4	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	89.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	108 9	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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wite South



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

Fax To: (575) 397-0397

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

Sampling Type:

Soil

Project Name:

07/19/2013 NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 1 @ 1 FT (H301647-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	91.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	108 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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unde Sough



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

Fax To: (575) 397-0397

Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

Sampling Type:

Soil

07/19/2013

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ SURFACE (H301647-03)

BTEX 8021B	mg/kg		Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	< 0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	0.412	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	0.499	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	106 9	% 89.4-12	6					at.	
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	88.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.4	% 63.6-15	4						

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Hobbs NM, 88241

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Received:

07/15/2013

Sampling Date:

07/12/2013

Reported:

Sampling Type:

Soil

07/19/2013

Sampling Condition:

Cool & Intact

Project Name: Project Number: NAGOOLTEE PEAK 5 FED COM #2 NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ 1 FT (H301647-04)

BTEX 8021B	mg/	kg	Analyze	d By: DW				,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/18/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					<u></u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	86.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.6	% 63.6-15	4						

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Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Project Location:

EDDY COUNTY, NM

Jodi Henson

Sample ID: SP 3 @ SURFACE (H301647-05)

BTEX 8021B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	< 0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	< 0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 %	6 89.4-12	?6					-	
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP			_			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	90.2 %	65.2-14	10						******
Surrogate: 1-Chlorooctadecane	107 %	63.6-15	4						

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Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 3 @ SURFACE (H301647-06)

BTEX 8021B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	< 0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	102	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	86.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	101	% 63.6-15	4						

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Sampling Date:

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Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 4 @ SURFACE (H301647-07)

BTEX 8021B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	< 0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						<u>.</u> .
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	17.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	88.8 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	107 %	63.6-15	4						

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Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 4 @ 1 FT (H301647-08)

BTEX 8021B	mg/kg		Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	< 0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	< 0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	84.1 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.9 9	63.6-15	4						

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Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 5 @ SURFACE (H301647-09)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	0.092	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	0.212	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	0.336	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	106 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	07/18/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS		<u></u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	86.6	% 65.2-14	0	<u> </u>					
Surrogate: 1-Chlorooctadecane	100 9	63.6-15	4						

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Reported:

07/13/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 5 @ 1 FT (H301647-10)

BTEX 8021B	mg/kg		Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	mg/kg		d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	83.8	% 65.2-14	0		**				
Surrogate: 1-Chlorooctadecane	94.8	% 63.6-15	4						

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Sampling Date:

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Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 6 @ SURFACE (H301647-11)

BTEX 8021B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	0.094	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	0.219	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	0.346	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	105 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	80.4	% 65.2-14	0			,			
Surrogate: 1-Chlorooctadecane	95.1	% 63.6-15	4						

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Received:

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Sampling Date:

07/12/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 6 @ 1 FT (H301647-12)

BTEX 8021B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8	
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7	
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6	
Total Xylenes*	< 0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9	
Total BTEX	<0.300	0.300	07/18/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 %	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
. Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	07/18/2013	ND	448	112	400	3.64	
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	07/18/2013	ND	197	98.4	200	4.69	
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67	
Surrogate: 1-Chlorooctane	84.65	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.79	% 63.6-15	4						

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 whatsoever 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 claims 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.

whe South



ND

Notes and Definitions

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

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories *=Accredited Analyte

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Mile South

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476 Company Name: BBC International, Inc. **ANALYSIS REQUEST** Project Manager: Cliff Brunson P.O. #: Address: P.O. Box 805 Company: State: NM zip: 88241 city: Hobbs Attn: Phone #: 575-397-6388 Fax #: 575-397-0397 Address Project Owner: /j入り Project#: State: Project Location: Carly Bad Phone #: JAFF OF MELES Sampler Name: Fax #: MATRIX PRESERV. SAMPLING FOR LAB USE ONLY Sample I.D. Lab I.D. SLUDGE H30164 DATE TIME 6

PLEASE NOTE: Liability and Dameges. Cardinal's liability and cliente exclusive remedy for any dalm arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental dameges, including without implemental, 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 services hereunder by Cardinal, implation, or whether such claim is based upon any of the above stated reasons or otherwise.

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Sampler - UPS - Bus - Other:		D es Pes		i :					
	U.U	V No No	UV I						
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#54

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.	WELLET TO THE STATE OF THE STAT	ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O. #:	
Address: P.O. Box 805	Company:	
City: Hobbs State: NM Zip: 88241	Attn:	<u> </u>
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:	
Project #: Project Owner: 0 Ky	city: James	
Project Name: Nagon IRP POAK 5-2 Project Location: Carls Bad.	State: Zip:	
Project Location: Cards Bag.	Phone #:	4
Sampler Name: JEFE ar Release	Fax #:	
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	1
(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	Studge OTHER: ACIDIBASE: OTHER: ACIDIBASE:	12.4 13.72x
11 86@ Sur Face 62 X	X 7-12-13 3:02	X X X
12506@ ZF+ 62 X	1 7-12-13 3:19	XXX
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Relinquished By:	Date 16/12 Rec	eived By:	* .	Phone Result:	☐ Yes	□ No	Add'l Phone #:	
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Delivered By: (Circle One)		Sample Condition	CHECKED BY:				•	
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Sampler - UPS - Bus - Other:	O_{lo}	O Pres Pres	/ 					
odnipio. C. C. Duo	- 6.0	4 No No	4N					
			<u>U</u>					

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



July 23, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NAGOOLTEE PEAK 5 FED COM #2

Enclosed are the results of analyses for samples received by the laboratory on 07/17/13 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Fax To: (575) 397-0397

Received:

07/17/2013

Sampling Date:

07/15/2013

Reported:

Sampling Type:

Soil

07/23/2013 NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 1 @ 1 1/2 (H301678-01)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3	
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	< 0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/22/2013	ND	432	108	400	3.77	•
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	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28	<10.0 10.0		07/22/2013	ND	193	96.6	200	3.15	
Surrogate: 1-Chlorooctane	87.1 % 65.2-140		0						
Surrogate: 1-Chlorooctadecane	105 %	63.6-15	4						

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Celey & Keine



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

Fax To:

(575) 397-0397

Received:

07/17/2013

Sampling Date:

07/15/2013

Reported:

07/23/2013

Sampling Type:

Project Name:

Soil Cool & Intact

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ 1 1/2 (H301678-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3	
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW			<u>.</u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/22/2013	ND	432	108	400	3.77	
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	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15	
urrogate: 1-Chlorooctane 76.2 % 65.2		% 65.2-14	0				**		
Surrogate: 1-Chlorooctadecane	89.79	% 63.6-15	4						

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Celey D. Keene



BBC International, Inc.

Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

07/17/2013

Sampling Date:

07/15/2013

Reported:

07/23/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 3 @ 1 1/2 (H301678-03)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3	
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg .	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/22/2013	ND	432	108	400	3.77	
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	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15	
Surrogate: 1-Chlorooctane	ogate: 1-Chlorooctane 81.7 % 65.2		0						
Surrogate: 1-Chlorooctadecane	92.45	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



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

Fax To:

(575) 397-0397

Received:

07/17/2013

Sampling Date:

07/16/2013

Reported:

07/23/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 4 @ 1 1/2 (H301678-04)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3	
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/22/2013	ND	432	108	400	3.77	
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	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15	
Surrogate: 1-Chlorooctane	gate: 1-Chlorooctane 81.9 % 65.2-1		0						
Surrogate: 1-Chlorooctadecane	98.9	% 63.6-15	4						

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*=Accredited Analyte

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Celey & Keene



BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241 Fax To: (575) 397-0397

Received:

07/17/2013

Sampling Date:

07/16/2013

Reported:

07/23/2013

Sampling Type:

Soil

Project Name:

NAGOOLTEE PEAK 5 FED COM #2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 5 @ 1 1/2 (H301678-05)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3	
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	104 %	% 89.4-12	26						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/22/2013	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	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15	
Surrogate: 1-Chlorooctane	80.8	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	011	% 63.6-15	: <i>1</i>						

Surrogate: 1-Chlorooctadecane

91.1%

63.6-154

Cardinal Laboratories *=Accredited Analyte

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Celey & Keine



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

Fax To: (575) 397-0397

Received:

07/17/2013

Sampling Date:

07/16/2013

Reported:

07/23/2013

Sampling Type:

Soil

Project Name:

Cool & Intact

Project Number:

NAGOOLTEE PEAK 5 FED COM #2 NONE GIVEN

Sampling Condition:

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: SP 6 @ 1 1/2 (H301678-06)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3	
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8	
Ethylbenzene*	< 0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6	
Total BTEX	<0.300	0.300	07/22/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/22/2013	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	07/22/2013	ND	184	91.8	200	1.99	
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15	
Surrogate: 1-Chlorooctane	85.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.5	% 63.6-15	4						

Cardinal Laboratories

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



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 & Keine

101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAY (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(303) 333-2320 1 AA (303) 333-241				Taki ikin	eti Caria I mena		_40_00000000000000000000000000000000000	and contacted \$1555555		<u> </u>	·-								· · · · ·	
Company Name	BBC International, Inc.				4		81	le To			a ()			<u>ANA</u>	LYSIS	RE	QUE	ST			
Project Manage	r: Cliff Brunson		•		P.0	0. #:															•
Address: P.O.	. Box 805		÷		Со	mpan	y:		· · ·					1.7		<i>'</i>	•			٠,	
city: Hobbs	State: NM	Zip:	882	41 .	Át	tn:				ŀ											•
Phone #: 575-	397-6388 Fax #: 575	-397-	0397		Ad	ldress	<u> </u>	U						ŀ	·		•			٠.	
Project #:	Project Owner	: 0X1	4		Cit	ty:	$\dot{\mathcal{L}}$	γο,								·					
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Project Location	n: Carls Bad				Ph	one#	:							1		:					
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FOR LAB USE ONLY				MATRIX		PRES	ERV.	SAMPLI	NG												. 1
Lab I.D. H <i>301678</i>	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS GROUNDWATER	WASTEWATER SOIL OIL	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	-17	13-16	HOL							• ,		
	582@21/2	63	2	X	· <u> </u>)		7-15-17	1:11	X	X.	X			·						
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	nd Damages. Cardinal's liability and client's exclusive remedy for a										hla										

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	PA91112	Received By:	1/1	Phone Result:	☐ Yes	□ No	Add'i Phone #:		
	11112	10di	M- 4 A MA	Fax Result:	☐ Yes	□ No	Add'l Fax #:		
CAN MAIN	1963: , ZV			REMARKS:					
Relinquished By:	Date:	Received By:							
Reiniquisneu by.	Date.	neceived by.	,	· ·					
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Delivered By: (Circle One)		Sample Condi	tion CHECKED BY:	1	•			•	
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Sampler - UPS - Bus - Other:	•								
· <u>L</u>		V U NOLL N	0. 9	<u> </u>				::	

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

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

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

						OPERATOR								
Name of Co	mpany	Oxy Permia	ın Ltd.		- (Contact Christopher Jones								
		ommerce Di		ad, NM	,	Telephone N	No. (575) 628	-4 121						
Facility Nan		oltee Peak				Facility Typ								
Surface Own				Mineral C					API No	. 30-015-28	3074			
						IOEDEI	TI A CITY	<u></u>						
Unit Letter	Section	Township	Danas	Feet from the		OF REI	Feet from the	East/We	a I : I	County				
		-	Range							•				
E	5	22S	24E	1562		North	1202	We	st	Eddy Count	y, NN	<u>1</u>		
			I	atitude <u>N 32.42</u>	2378°	Longitu	de <u>W 104.5253</u>	<u>2°</u>						
				<u>NAT</u>	URE	OF RELI								
Type of Relea		ced water				Volume of) bbls			
Source of Rel	lease Hol	e in steel flow	/ line			Date and H 07/11/2013	our of Occurrenc	e I	Date and 1	Hour of Disco	overy			
Was Immedia	te Notice C					If YES, To								
		\boxtimes	Yes _	No 🔲 Not Re	quired	Mike Brate	her and Jean Mar	rie Warren	- OCD, J	ames Amos-	BLM			
By Whom?	Christoph					Date and H								
Was a Watero	course Reac	_	🖯			If YES, Vo	lume Impacting t	he Waterc	ourse.					
		Ц	Yes 🛚	No										
If a Watercou	rse was Im	pacted, Descr	be Fully.*											
						•	A							
Describe Cau						1 37	g :1	1 60	1.		 -			
A note in a st	eel now line	e caused ou b	ots of proc	luced water to leal	k onto u	ie ground. N	o fluids were reco	overed. Tr	ie line w	as repaired.				
Describe Area	Affected a	and Cleanup A	ction Tak	en.*										
The affected a	area is appre	oximately 200)' x 60'. F	temediation will b	e compl	leted in accor	dance with a plan	approved	by NMC	OCD and the	BLM.			
									•					
				is true and compl										
regulations at	or the envir	are required a	accentanc	d/or file certain re e of a C-141 repo	elease no	NMOCD m	id periorin correct arked as "Final Re	tive action enort" doe	S for rele s not reli	ases waten it eve the onera	nay er	idanger Highility		
should their o	perations h	ave failed to a	dequately	investigate and re	mediate	contamination	on that pose a thre	eat to grou	nd water	, surface wate	er, hu	man health		
or the environ	ment. In ac	ddition, NMO	ED accep	fance of a C-141 i	report do	es not reliev	e the operator of r	esponsibil	ity for co	mpliance wi	th any	other '		
federal, state,	or local lay	vs/and/or/regu	lations.											
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Signature:	///		Carlotte and Carlotte State and Carlotte											
						Approved by	District Superviso	or:						
Printed Name	: Christo	pher Jones					···							
Title: HES	Specialist_	· · · · · · · · · · · · · · · · · · ·			A	Approval Dat	e:	Ex	piration [Date:				
E-mail Addres	ss: Christ	topher_Jones(@oxv.com		1	Conditions of	Annroval ¹				_			
رب	23-1	7	J 2.1.3 1. <u>2011</u>		-1	UIG UI	· pprorm.	Attached						
Date:	677		Phone:	(575) 628-412	<u> </u>									
Attach Addit	ional Shee	to If Macaca	1447											