

From: Groves, Amber
To: [Yu, Olivia, EMNRD](#); [Billings, Bradford, EMNRD](#)
Subject: FW: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan
Date: Tuesday, June 20, 2017 10:13:29 AM
Attachments: Cambrian Mgmt Anderson Ranch Unit #16 Lab 2.pdf
Cambrian Mgmt Anderson Ranch Unit #16 LAB 3.pdf

I got sidetracked but here are the confirmation sample results. Are these the ones from October 7 that you were referring to?

Amber

From: Lynch, Kristen, EMNRD [<mailto:Kristen.Lynch@state.nm.us>]
Sent: Tuesday, October 18, 2016 2:03 PM
To: Groves, Amber <agroves@slo.state.nm.us>
Subject: FW: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

Amber,

Wanted to keep you in the loop with this one. I'm going to let him backfill, unless you see something that needs further attention.

Thanks,

*Kristen D. Lynch
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
(575) 393-6161 ext. 111
575-370-3180 (emergency-cell)*

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

From: Vernon Black [<mailto:vblack@hungry-horse.com>]
Sent: Monday, October 17, 2016 3:47 PM
To: Lynch, Kristen, EMNRD
Subject: RE: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

Hello Kristen,

Please see the attached lab results for the above referenced location. Looks like we've got it all.....
We're ready to complete the backfilling with your approval.

Thanks,
Vernon

From: Lynch, Kristen, EMNRD [<mailto:Kristen.Lynch@state.nm.us>]
Sent: Tuesday, September 20, 2016 9:22 AM
To: Vernon Black <vblack@hungry-horse.com>
Cc: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>
Subject: RE: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

Thank you for the update. I will be looking forward to hearing from you.

*Kristen D. Lynch
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
(575) 393-6161 ext. 111
575-370-3180 (emergency-cell)*

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From: Vernon Black [<mailto:vblack@hungry-horse.com>]
Sent: Tuesday, September 20, 2016 6:47 AM
To: Lynch, Kristen, EMNRD
Subject: RE: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

Good Morning Kristen,

I just wanted to touch base with you and let you know we haven't forgotten about this one.....The rain has just kicked our rear ends.....Looks like it is about to get dry enough and maybe we can get back in there near the end of the week.

Vernon K. Black
Hungry Horse, LLC
PO Box 1058
Hobbs, NM 88241
575-393-3386 office
575-631-2253 cell

From: Lynch, Kristen, EMNRD [<mailto:Kristen.Lynch@state.nm.us>]
Sent: Friday, September 09, 2016 9:34 AM
To: Vernon Black <vblack@hungry-horse.com>; djones@CambrianMgmt.com
Cc: Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us>
Subject: RE: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

Good Morning,

In regards to our site meeting yesterday, NMOCD is requesting additional sampling as per our discussion.

Thank You,

*Kristen D. Lynch
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
(575) 393-6161 ext. 111
575-370-3180 (emergency-cell)*

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

From: Vernon Black [<mailto:vblack@hungry-horse.com>]
Sent: Wednesday, August 31, 2016 3:53 PM
To: Lynch, Kristen, EMNRD
Subject: Re: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

1000 hrs will ok.

Sent from my iPad
Vernon K. Black

On Aug 31, 2016, at 14:32, Lynch, Kristen, EMNRD <Kristen.Lynch@state.nm.us> wrote:

Looking at our schedule 10:00 would be the earliest we could get out there. Let us know!

Thanks,

*Kristen D. Lynch
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
(575) 393-6161 ext. 111
575-370-3180 (emergency-cell)*

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From: Vernon Black [<mailto:vblack@hungry-horse.com>]
Sent: Wednesday, August 31, 2016 1:02 PM
To: Lynch, Kristen, EMNRD

Subject: Re: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

I think Thursday, 8Sept, will work. The earlier the better for me. Let me know what time will work for you.

Sent from my iPad
Vernon K. Black

On Aug 31, 2016, at 10:32, Lynch, Kristen, EMNRD
<Kristen.Lynch@state.nm.us> wrote:

Vernon,

Jamie and I were wondering if you would like to schedule a field visit. We went out on Monday to get a visual of this site. We would like to visit with you onsite about your work plan. Thursday Sept 8 would be best for our group.

Thank You,

*Kristen D. Lynch
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
(575) 393-6161 ext. 111
575-370-3180 (emergency-cell)*

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

From: Vernon Black [<mailto:vblack@hungry-horse.com>]
Sent: Wednesday, August 31, 2016 8:05 AM
To: Keyes, Jamie, EMNRD; Lynch, Kristen, EMNRD
Subject: Fwd: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

I was just checking to see if you'd gotten a chance to look at this yet.

Sent from my iPad
Vernon K. Black

Begin forwarded message:

From: "Vernon Black" <vblack@hungry-horse.com>
To: "Keyes, Jamie, EMNRD"
<Jamie.Keyes@state.nm.us>
Subject: Cambrian Mgmt Anderson Ranch Unit #16
Work Plan

Jamie, please see the attached work plan for the above referenced site. Please don't hesitate to contact me with any questions.

Thanks,
Vernon K. Black
Hungry Horse, LLC
PO Box 1058
Hobbs, NM 88241
575-393-3386 office
575-631-2253 cell

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

October 14, 2016

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: ANDERSON RANCH UNIT #16

Enclosed are the results of analyses for samples received by the laboratory on 10/10/16 13:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/10/2016	Sampling Date:	10/10/2016
Reported:	10/14/2016	Sampling Type:	Soil
Project Name:	ANDERSON RANCH UNIT #16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 (H602272-01)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/12/2016	ND	2.15	107	2.00	2.56		
Toluene*	<0.050	0.050	10/12/2016	ND	2.21	111	2.00	2.87		
Ethylbenzene*	<0.050	0.050	10/12/2016	ND	2.15	108	2.00	2.86		
Total Xylenes*	<0.150	0.150	10/12/2016	ND	6.47	108	6.00	3.14		
Total BTEX	<0.300	0.300	10/12/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/11/2016	ND	188	94.1	200	3.55		
DRO >C10-C28	<10.0	10.0	10/11/2016	ND	214	107	200	4.52		

Surrogate: 1-Chlorooctane 98.7 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Hungry Horse Environmental
 VERNON BLACK
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received:	10/10/2016	Sampling Date:	10/10/2016
Reported:	10/14/2016	Sampling Type:	Soil
Project Name:	ANDERSON RANCH UNIT #16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 (H602272-02)

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/12/2016	ND	2.15	107	2.00	2.56		
Toluene*	<0.050	0.050	10/12/2016	ND	2.21	111	2.00	2.87		
Ethylbenzene*	<0.050	0.050	10/12/2016	ND	2.15	108	2.00	2.86		
Total Xylenes*	0.227	0.150	10/12/2016	ND	6.47	108	6.00	3.14		
Total BTEX	<0.300	0.300	10/12/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/11/2016	ND	182	91.2	200	12.5		
DRO >C10-C28	57.6	10.0	10/11/2016	ND	192	96.1	200	7.27	QM-07	

Surrogate: 1-Chlorooctane 95.4 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager



Page 5 of 5

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Hungry Horse, LLC Project Manager: Vernon K. Black Address: PO Box 1058 City: Hobbs State: NM Zip: 88241 Phone #: 575-631-2253 Fax #: 575-391-4585 Project #: Project Owner: Cambrian Project Location: Anderson Ranch Project Name: bar count Sampler Name: Vernon K. Black		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
Lab I.D. H1002272 Sample I.D.		FOR LAB USE ONLY Matrix: <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : Preserv: <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER : Sampling:	
Relinquished By: Matt Probst Date: 10-10-16 Time: 1:25 pm Received By: Vicki Henderson Date: Time:		TPH BTEX	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		27.82 27.82	
REMARKS:		REMARKS:	



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

October 14, 2016

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: ANDERSON RANCH UNIT #16

Enclosed are the results of analyses for samples received by the laboratory on 10/13/16 8:15.

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Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/13/2016	Sampling Date:	10/07/2016
Reported:	10/14/2016	Sampling Type:	Soil
Project Name:	ANDERSON RANCH UNIT #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 (H602309-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/14/2016	ND	400	100	400	3.92		

Sample ID: SP 2 (H602309-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/14/2016	ND	400	100	400	3.92		

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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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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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Hungry Horse, LLC		P.O. #:	
Project Manager: Vernon K. Black		Company:	
Address: PO Box 1058		Attn:	
City: Hobbs		Address:	
State: NM Zip: 88241		City:	
Phone #: 575-631-2253 Fax #: 575-391-4585		State: Zip:	
Project #:		Phone #:	
Project Name: Anderson Ranch		Fax #:	
Project Location: 1st		DATE TIME	
Sampler Name: Vernon K. Black		Chlorides	
FOR LAB USE ONLY			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	
		# CONTAINERS	
H0001309	1 SP1 2 SP2	GROUNDWATER	
		WASTEWATER	
		SOIL	
		OIL	
		SLUDGE	
		OTHER :	
		ACID/BASE:	
		ICE / COOL	
		OTHER :	
		PRESERV	
		SAMPLING	
Delivered By: (Circle One)		CHECKED BY:	
Sampler - UPS - Bus - Other:		1.60	
Relinquished By:		Received By:	
Date: 10-13-16		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 8:15		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
REMARKS:			