

Note: Drawing is not to scale, only to be used as a representation.

Bratcher, Mike, EMNRD

From: Vernon Black [vernon@hungry-horse.com]
Sent: Wednesday, June 22, 2011 7:58 AM
To: Terry_gregston@nm.blm.gov; Bratcher, Mike, EMNRD
Cc: dpotter@linenergy.com
Subject: Closure Request Turner B #118
Attachments: H101260 HHE.pdf

Categories: Orange Category

Good morning,

Please see the attached lab results from the confirmation sampling at Linn's Turner B #118. All contaminant levels appear to be at or below closure levels. I request permission to to line the pit area and back fill the all open excavations with clean material and re-seed the area.

Thanks,
Vernon

From: Celey Keene [<mailto:celey.keene@cardinallabsnm.com>]
Sent: Tuesday, June 21, 2011 3:28 PM
To: 'Vernon Black'; Terry Gregston
Subject: TURNER B 118

THANK YOU,

Celey Keene
Lab Director
Cardinal Laboratories
101 East Marland
Hobbs, NM 88240
T: (575) 393-2326
F: (575) 393-2476
e-mail: celey.keene@cardinallabsnm.com



June 21, 2011

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: TURNER B #118

Enclosed are the results of analyses for samples received by the laboratory on 06/16/11 16:16.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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 fluid and cursive.

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:	06/16/2011	Sampling Date:	06/16/2011
Reported:	06/21/2011	Sampling Type:	Soil
Project Name:	TURNER B #118	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: TRENCH EAST POINT (H101260-01)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/20/2011	ND	1.89	94.5	2.00	3.65		
Toluene*	<0.050	0.050	06/20/2011	ND	2.00	100	2.00	4.10		
Ethylbenzene*	<0.050	0.050	06/20/2011	ND	2.02	101	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/20/2011	ND	6.00	100	6.00	4.06		

Surrogate: 4-Bromofluorobenzene (PIL) 98.2 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/20/2011	ND	416	104	400	0.00		

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	06/21/2011	ND	186	93.0	200	4.08		
DRO >C10-C28	<10.0	10.0	06/21/2011	ND	163	81.7	200	3.24		

Surrogate: 1-Chlorooctane 106 % 70-130

Surrogate: 1-Chlorooctadecane 118 % 70-130

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.



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: 06/16/2011
 Reported: 06/21/2011
 Project Name: TURNER B #118
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 06/16/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: TRENCH WEST POINT (H101260-02)
BTEX 8021B

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2011	ND	1.89	94.5	2.00	3.65	
Toluene*	<0.050	0.050	06/20/2011	ND	2.00	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	06/20/2011	ND	2.02	101	2.00	3.90	
Total Xylenes*	<0.150	0.150	06/20/2011	ND	6.00	100	6.00	4.06	

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 70-130

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/20/2011	ND	416	104	400	0.00	

TPH 8015M

mg/kg

Analyzed By: CK

S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/21/2011	ND	186	93.0	200	4.08	
DRO >C10-C28	<10.0	10.0	06/21/2011	ND	163	81.7	200	3.24	

Surrogate: 1-Chlorooctane 135 % 70-130

Surrogate: 1-Chlorooctadecane 152 % 70-130

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.



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:	06/16/2011	Sampling Date:	06/16/2011
Reported:	06/21/2011	Sampling Type:	Soil
Project Name:	TURNER B #118	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: HOLE 1 (H101260-03)

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2011	ND	1.89	94.5	2.00	3.65	
Toluene*	<0.050	0.050	06/20/2011	ND	2.00	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	06/20/2011	ND	2.02	101	2.00	3.90	
Total Xylenes*	<0.150	0.150	06/20/2011	ND	6.00	100	6.00	4.06	

Surrogate: 4-Bromofluorobenzene (PIL) 99.1 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	06/20/2011	ND	416	104	400	0.00	

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	06/21/2011	ND	186	93.0	200	4.08	
DRO >C10-C28	<10.0	10.0	06/21/2011	ND	163	81.7	200	3.24	

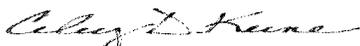
Surrogate: 1-Chlorooctane 111 % 70-130

Surrogate: 1-Chlorooctadecane 128 % 70-130

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.



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: 06/16/2011
 Reported: 06/21/2011
 Project Name: TURNER B #118
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 06/16/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: HOLE 2 (H101260-04)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/20/2011	ND	1.89	94.5	2.00	3.65		
Toluene*	<0.050	0.050	06/20/2011	ND	2.00	100	2.00	4.10		
Ethylbenzene*	<0.050	0.050	06/20/2011	ND	2.02	101	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/20/2011	ND	6.00	100	6.00	4.06		

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	06/20/2011	ND	416	104	400	0.00		

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	06/21/2011	ND	186	93.0	200	4.08		
DRO >C10-C28	<10.0	10.0	06/21/2011	ND	163	81.7	200	3.24		

Surrogate: 1-Chlorooctane 97.3 % 70-130

Surrogate: 1-Chlorooctadecane 105 % 70-130

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.



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:	06/16/2011	Sampling Date:	06/16/2011
Reported:	06/21/2011	Sampling Type:	Soil
Project Name:	TURNER B # 118	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: WEST TRENCH MID POINT (H101260-05)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/20/2011	ND	1.89	94.5	2.00	3.65		
Toluene*	<0.050	0.050	06/20/2011	ND	2.00	100	2.00	4.10		
Ethylbenzene*	<0.050	0.050	06/20/2011	ND	2.02	101	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/20/2011	ND	6.00	100	6.00	4.06		

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/20/2011	ND	416	104	400	0.00		

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	06/21/2011	ND	186	93.0	200	4.08		
DRO >C10-C28	<10.0	10.0	06/21/2011	ND	163	81.7	200	3.24		

Surrogate: 1-Chlorooctane 112 % 70-130
Surrogate: 1-Chlorooctadecane 126 % 70-130

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.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- A-01 Matrix spike was not spiked, use LCS/LCSD for precision and accuracy data.
- 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 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.



Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <i>Henry</i> Project Manager: <i>Henry</i>		BILL TO		ANALYSIS REQUEST													
Address: City: State: Zip:		Company: Attn: Address: City: State: Phone #: Fax #:															
Project #: Project Name: <i>Terrace B 118</i> Project Location: <i>Eddy Co</i> Sampler Name:		Project Owner: <i>Energy</i>															
FOR LAB USE ONLY		MATRIX <input type="checkbox"/> (G) GRAB OR (C) COMP <input type="checkbox"/> F CONTAINERS <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"/> ICE / COOL <input type="checkbox"/> ACID/BASE <input type="checkbox"/> OTHER		SAMPLING DATE TIME											
Lab I.D. <i>H101260</i>		Sample I.D. <i>1 Branch East Point</i> <i>2 Branch West Point</i> <i>3 Hole 1</i> <i>4 Hole 2</i> <i>5 West Branch Road Pond</i>															

PLEASE NOTE: Liability and strict exclusivity remain for any claim 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 services. 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 services furnished by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>J. J. J.</i>	Date: Time:	Received By: <i>John Alanson</i>	Date: <i>10/16/11</i> Time: <i>10:16</i>	Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> No <input type="checkbox"/> Yes	CHECKED BY: <i>[Signature]</i>
Delivered By: (Circle One) <input checked="" type="checkbox"/> Driver <input type="checkbox"/> Bus <input type="checkbox"/> Other		Sampler - UPS - Bus - Other:		REMARKS: <i>email to Terry G a BLM</i>	