

Bratcher, Mike, EMNRD

From: Bradley Blevins [bradley.blevins@chk.com]
Sent: Wednesday, December 21, 2011 8:30 AM
To: Bratcher, Mike, EMNRD; Amos, James A; James_Amos@blm.gov
Cc: Jerry Smith; Bradley Blevins
Subject: Littlefield SWD
Attachments: 20111221081707221.pdf

Gentlemen,

Attached is the lab data from the Littlefield SWD, with Geoff's approval written on the bottom of the second page of the data. I apologize for the confusion on approval to close this site. If you have any questions please let me know.

Thanks again.

Bradley Blevins
EH & S Field Specialist
DAR
Hobbs Field Office
North Permian Division
Office: (575) 391-1462 x 86424
Cell: (575) 441-0341
Fax: (575)391-6679

-----Original Message-----

From: Bradley Blevins
Sent: Wednesday, December 21, 2011 6:17 AM
To: Bradley Blevins
Subject:

This E-mail was sent from "1hobnm-1-ri02" (Aficio MP C3500).

Scan Date: 12.21.2011 08:17:07 (-0500)
Queries to: copier@chk.com

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

November 30, 2011

JERRY SMITH

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: LITTLEFIELD FEDERAL SWD

Enclosed are the results of analyses for samples received by the laboratory on 11/29/11 10:35.

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,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Environmental Plus, Inc.
JERRY SMITH
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received: 11/29/2011
Reported: 11/30/2011
Project Name: LITTLEFIELD FEDERAL SWD
Project Number: 160957
Project Location: UL-B, SECT.11, T 24 S, R 31 E

Sampling Date: 11/28/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ST 1 - SURFACE (H102558-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22800	16.0	11/30/2011	ND	448	112	400	0.00	

Sample ID: ST 1 - 1 FT. (H102558-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	11/30/2011	ND	432	108	400	3.64	

Sample ID: ST 1 - 3 FT. (H102558-03)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	11/30/2011	ND	432	108	400	3.64	

Sample ID: ST 1 - 5 FT. (H102558-04)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	11/30/2011	ND	432	108	400	3.64	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

STC(SP)-1
2' EXCAVATION @ STC(SP)-1
GWR. SPECIAL BACKFILL W/ 1' CLAY & 1' CALICHE
NMCCO-HOBBS
12/10/11
1' EXCAVATE OVER
REST OF SPILL
PACK CLAY @ STC(SP)-3 AROUND
PUMPS - BACKFILL REST W/ CALICHE

Page 2 of 7

Analytical Results For:

 Environmental Plus, Inc.
 JERRY SMITH
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 11/29/2011
 Reported: 11/30/2011
 Project Name: LITTLEFIELD FEDERAL SWD
 Project Number: 160957
 Project Location: UL-B, SECT.11, T 24 S, R 31 E

 Sampling Date: 11/28/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ST 1 - 7 FT. (H102558-05)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	11/30/2011	ND	432	108	400	3.64	

Sample ID: ST 1 - 9 FT. (H102558-06)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	11/30/2011	ND	432	108	400	3.64	

Sample ID: ST 1 - 11 FT. (H102558-07)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/30/2011	ND	432	108	400	3.64	

Sample ID: ST 2 - 1 FT. (H102558-08)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/30/2011	ND	432	108	400	3.64	

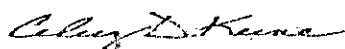
Sample ID: ST 2 - 3 FT. (H102558-09)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/30/2011	ND	432	108	400	3.64	

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* = Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 JERRY SMITH
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 11/29/2011
 Reported: 11/30/2011
 Project Name: LITTLEFIELD FEDERAL SWD
 Project Number: 160957
 Project Location: UL-B, SECT.11, T 24 S, R 31 E

 Sampling Date: 11/28/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ST 2 - 5 FT. (H102558-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/30/2011	ND	432	108	400	3.64	

Sample ID: ST 3 - 1 FT. (H102558-11)

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	11/30/2011	ND	432	108	400	3.64	

Sample ID: ST 3 - 3 FT. (H102558-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/30/2011	ND	432	108	400	3.64	

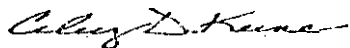
Sample ID: ST 3 - 5 FT. (H102558-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/30/2011	ND	432	108	400	3.64	

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Celcy D. Keene, Lab Director/Quality Manager

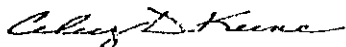
Notes and Definitions

- 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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Celey D. Keene, Lab Director/Quality Manager

#210

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB:

Company Name Environmental Plus, Inc.		Bill To		ANALYSIS REQUEST																									
EPI Project Manager Jerry Smith		EP1 Attn: Jerry Smith P.O. Box 1558 Eunice, NM 88231		PRESERV.		SAMPLING		DATE		TIME		BTX 8021B		TPH 8015M		CHLORIDES (Cl)		SULFATES (SO ₄)		pH		TCLP		OTHER >>>		PAH			
Mailing Address P.O. BOX 1558				MATRIX		GROUND WATER		WASTEWATER		SOIL		CRUDE OIL		SLUDGE		OTHER:		ACID/BASE		ICE/COOL		OTHER							
City, State, Zip Eunice New Mexico 88231				# CONTAINERS		(G) RAB OR (C) OMP.																							
EPI Phone/Fax# 575-394-3481 / 575-394-2601																													
Client Company Chesapeake Energy																													
Facility Name Littlefield Federal SWD																													
Location UL-B, Sect. 11, T 24 S, R 31 E																													
Project Reference 160957																													
EPI Sampler Name David Robinson																													
LAB I.D.		SAMPLE I.D.																											
1111 ST3- 1ft		1111 ST3- 1ft		X																									
1222 ST3- 3ft		1222 ST3- 3ft		X																									
1333 ST3- 5ft		1333 ST3- 5ft		X																									
4		4																											
5		5																											
6		6																											
7		7																											
8		8																											
9		9																											
10		10																											
Sampler Relinquished:		Received By:		11/29/11		Time																							
Relinquished by:		Received By: (lab staff)		11/29/11		Time																							
Delivered by:		Sample Cddi & Intact		Yes		No																							

E-mail results to: jsmith.epi@gmail.com; bradley.blevins@cnk.com