

**Bratcher, Mike, EMNRD**

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**From:** Kit Prichard <kit@etechenv.com>  
**Sent:** Tuesday, November 13, 2012 10:49 AM  
**To:** tgregsto@blm.gov; Bratcher, Mike, EMNRD  
**Cc:** Gary Wink; Ron Ragland; Joe Hernandez; Fred Holmes; Steve McGee  
**Subject:** Fren Friess Battery Backfill Request  
**Attachments:** Fren Friess Battery Backfill Request 110712.pdf

Mike & Terry ,

Attached is the backfill request for the **Fren Friess Battery** for your approval. Thank you Have a great day.

*Kit Prichard*

**Etech Environmental & Safety Solutions, Inc.**

P.O. Box 8469

Midland, Texas 79708-8469

Phone: 432-563-2200

Fax: 432-563-2213

E-mail: [kit@etechenv.com](mailto:kit@etechenv.com)

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Electronic Correspondence

November 7, 2012

Mr. Mike Bratcher  
State of New Mexico  
Oil Conservation Division  
811 S. 1st Street  
Artesia, NM 88210  
[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)

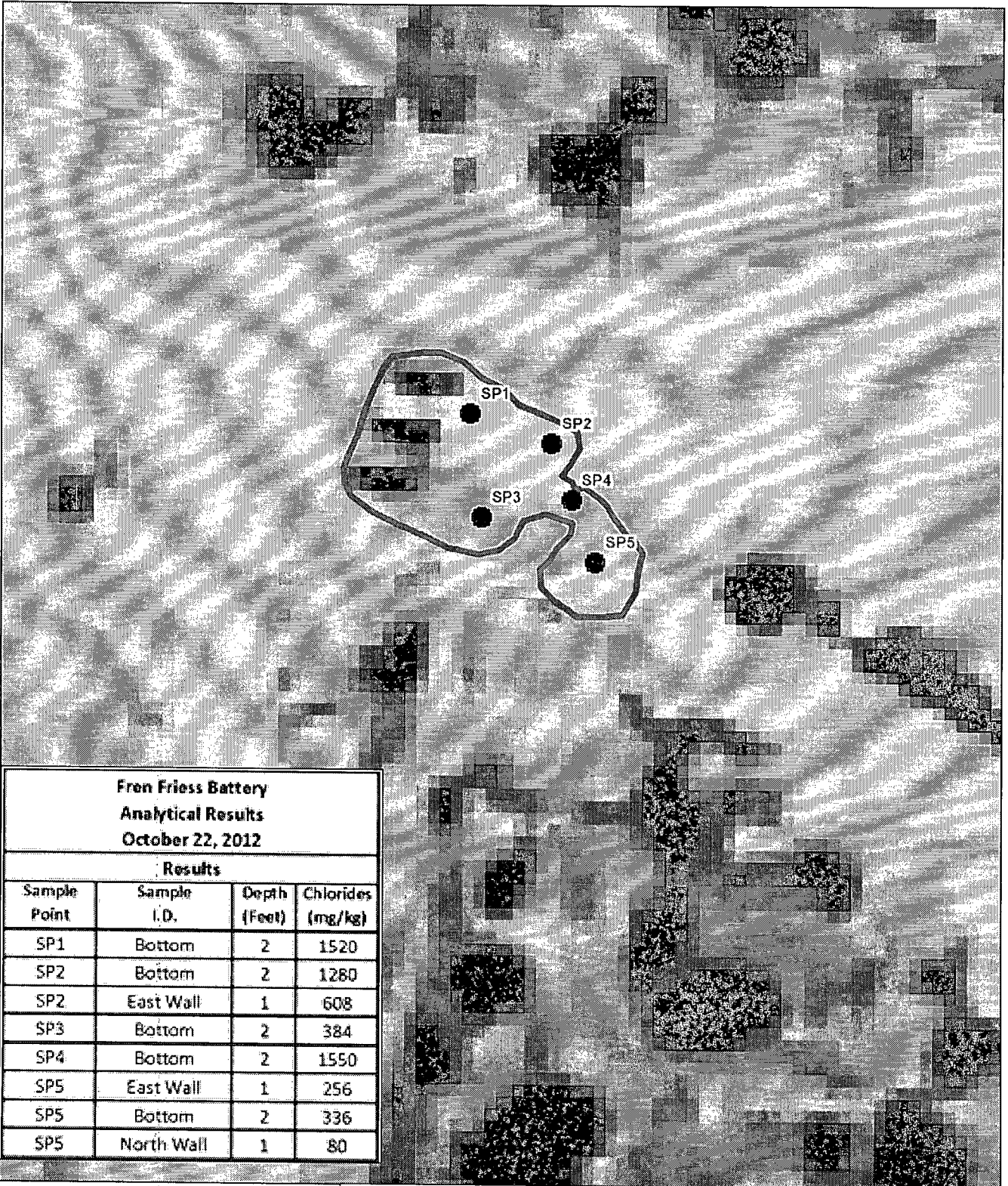
Re: Backfill Request  
LINN Energy, Fren Friess Battery  
API No.: 30-015-29719  
Legal: Unit J, Section 19, T17S, R31E, 2220 FSL, 1434 FEL, Eddy Co., NM  
GPS: N32.81893, W103.90604

Dear Mike & Terry:

1. Attached is the sample points map and analytical data for the clearance sampling of the Fren Friess Battery.
2. Grab samples were collected from each corresponding sampling site at depth then placed in certified clean jars, labeled, and custody seals applied. Nitrile gloves were used and changed during each sample collection, as well as proper decontamination procedures.
3. Samples were preserved according to the requirements ASATM/EPA requirements. Normal Chain of Custody procedures were observed.
4. LINN is requesting permission to backfill and close the site in accordance with the stipulations for the site.

Thank you for your assistance.

Kit Prichard  
Project Manager – Etech Environmental & Safety Solutions, Inc.

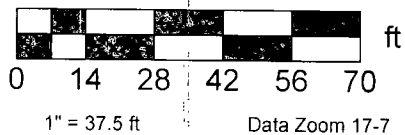


**Fren Friess Battery  
Analytical Results  
October 22, 2012**

**Results**

Sample Point	Sample I.D.	Depth (Feet)	Chlorides (mg/kg)
SP1	Bottom	2	1520
SP2	Bottom	2	1280
SP2	East Wall	1	608
SP3	Bottom	2	384
SP4	Bottom	2	1550
SP5	East Wall	1	256
SP5	Bottom	2	336
SP5	North Wall	1	80

Scale 1:450



LINN Energy  
Fren Friess Battery  
Clearance Sampling Results Map



MN (7.6° E)

Data use subject to license.

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www.delorme.com



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

October 22, 2012

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: FREN FRIESS BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/17/12 11:45.

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](http://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 "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 ETECH Environmental & Safety Solutions, Inc.  
 FRED HOLMES  
 P. O. BOX 8469  
 MIDLAND TX, 79708  
 Fax To: (432) 563-2213

 Received: 10/17/2012  
 Reported: 10/22/2012  
 Project Name: FREN FRIESS BATTERY  
 Project Number: 253-3620-000  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 10/17/2012  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 BOTTOM 2' (H202533-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	10/18/2012	ND	416	104	400	0.00	

**Sample ID: SP 2 BOTTOM 2' (H202533-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	10/18/2012	ND	416	104	400	0.00	

**Sample ID: SP 2 E WALL 1' (H202533-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	10/18/2012	ND	416	104	400	0.00	

**Sample ID: SP 3 BOTTOM 2' (H202533-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/18/2012	ND	416	104	400	0.00	

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ETECH Environmental & Safety Solutions, Inc.  
FRED HOLMES  
P. O. BOX 8469  
MIDLAND TX, 79708  
Fax To: (432) 563-2213

Received: 10/17/2012  
Reported: 10/22/2012  
Project Name: FREN FRIESS BATTERY  
Project Number: 253-3620-000  
Project Location: EDDY COUNTY, NM

Sampling Date: 10/17/2012  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP 4 BOTTOM 2' (H202533-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	10/18/2012	ND	416	104	400	0.00	

**Sample ID: SP 5 E. WALL 1' (H202533-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	10/19/2012	ND	416	104	400	0.00		

**Sample ID: SP 5 BOTTOM 2' (H202533-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/19/2012	ND	416	104	400	0.00		


**Sample ID: SP 5 N. WALL 1' (H202533-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/19/2012	ND	416	104	400	0.00		

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Celey 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



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Etech</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																						
Project Manager: <u>Fred Holmes</u>		P.O. #: <u>253-3620-000</u>																								
Address:		Company: <u>Etech</u>																								
City:		Attn:																								
State:		Address:																								
Zip:		City:																								
Phone #:		Fax #:																								
Project #: <u>253-3620-000</u>		Project Owner:																								
Project Name: <u>Fren Friess Battery</u>		State:																								
Project Location: <u>Eddy county</u>		Zip:																								
Sampler Name: <u>Terry Osborn</u>		Phone #:																								
Fax #:																										
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G/RAB OR C)COMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	chlorides																			
				GROUNDWATER	WASTEWATER	SOIL													OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME
<u>H202533</u>																										
	1 SP1 Bottom 2'																									
	2 SP2 Bottom 2'																									
	3 SP2 E wall 1'																									
	4 SP3 Bottom 2'																									
	5 SP4 Bottom 2'																									
	6 SP5 E wall 1'																									
	7 SP5 Bottom 2'																									
	8 SP5 N. wall 1'																									

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Relinquished By: <u>[Signature]</u>	Date: <u>10-17-12</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <u>[Signature]</u>	Date: <u>10-17</u>	Received By: <u>[Signature]</u>	REMARKS:	
	Time: <u>11:45</u>			
Delivered By: (Circle One)		Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Cool Intact		
		<input type="checkbox"/> Yes <input type="checkbox"/> No		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#26