

Electronic Correspondence

October 22, 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)

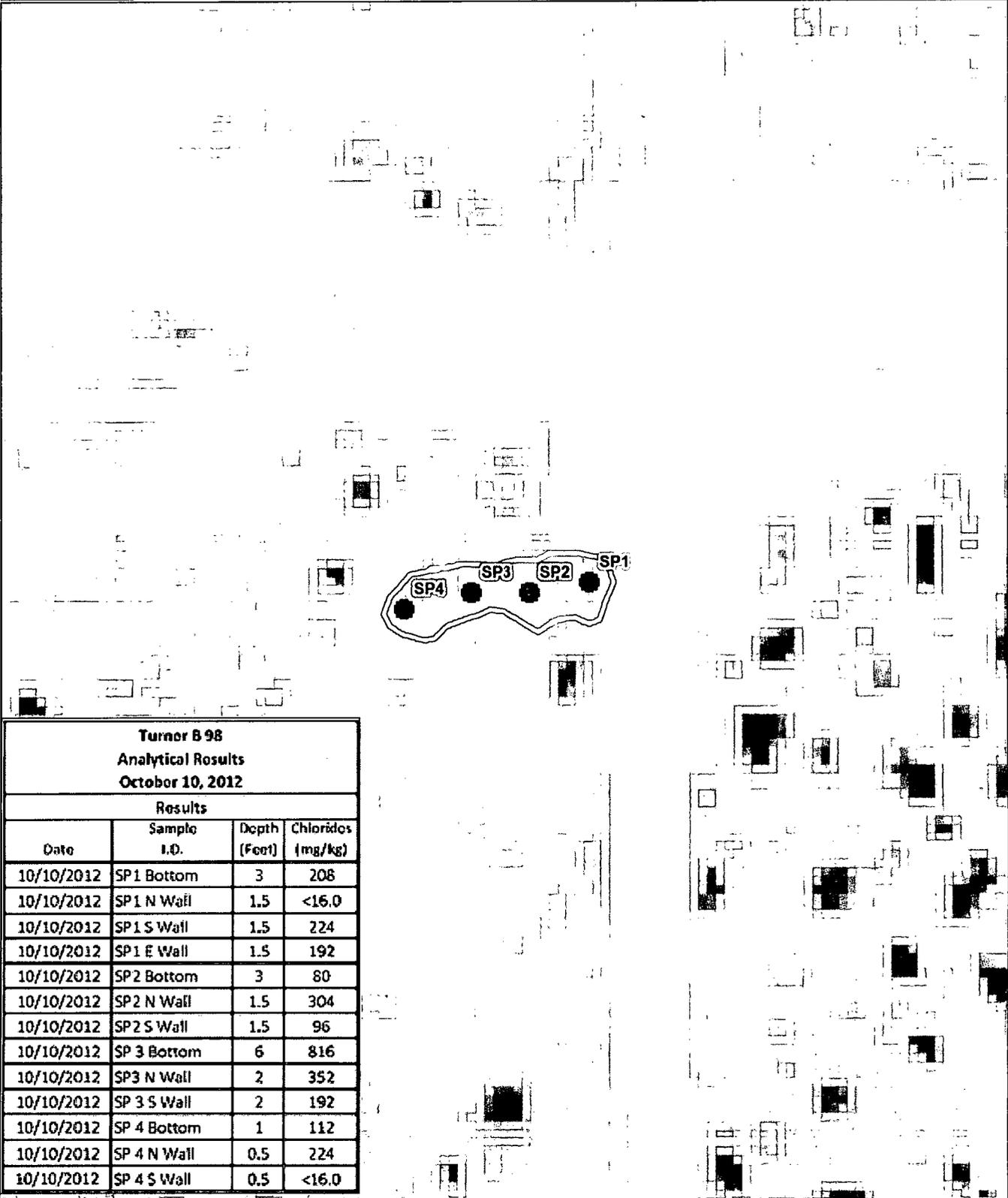
Re: Backfill Request  
LINN Energy, Turner B 98  
API No.: 30-015-26620  
Legal: Unit M, Section 29, T17S, R31E 1270 FSL, 50 FWL, Eddy Co., NM  
GPS: N32.80324, W103.89658

Dear Mike & Terry:

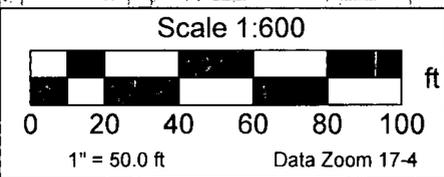
1. Attached is the sample points map and analytical data for the clearance sampling of the Turner B 98.
2. Grab samples were collected from each corresponding sampling site at depth then placed in certified clean jars, labeled, and custody seals applied. Nitrile gloves were used and changed during each 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.

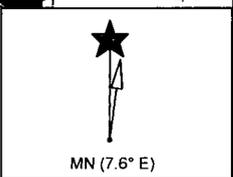
Kit Prichard  
Project Manager – Etech Environmental & Safety Solutions, Inc.



Turner B 98 Analytical Results October 10, 2012			
Results			
Date	Sample I.D.	Depth (Feet)	Chlorides (mg/kg)
10/10/2012	SP1 Bottom	3	208
10/10/2012	SP1 N Wall	1.5	<16.0
10/10/2012	SP1 S Wall	1.5	224
10/10/2012	SP1 E Wall	1.5	192
10/10/2012	SP2 Bottom	3	80
10/10/2012	SP2 N Wall	1.5	304
10/10/2012	SP2 S Wall	1.5	96
10/10/2012	SP 3 Bottom	6	816
10/10/2012	SP3 N Wall	2	352
10/10/2012	SP 3 S Wall	2	192
10/10/2012	SP 4 Bottom	1	112
10/10/2012	SP 4 N Wall	0.5	224
10/10/2012	SP 4 S Wall	0.5	<16.0



LINN Energy  
Turner B 98  
Sample Points and Clearance Map



Data use subject to license.

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www.delorme.com

October 10, 2012

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: TURNER B #98

Enclosed are the results of analyses for samples received by the laboratory on 10/05/12 14:45.

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,



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: 10/05/2012  
 Reported: 10/10/2012  
 Project Name: TURNER B #98  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 10/05/2012  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Celey D. Keene

**Sample ID: SP 1 BOTTOM 3' (H202434-01)**

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	10/08/2012	ND	416	104	400	3.92		

**Sample ID: SP 1 N. WALL 1.5' (H202434-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/08/2012	ND	416	104	400	3.92		

**Sample ID: SP 1 S. WALL 1.5' (H202434-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/08/2012	ND	416	104	400	3.77		

**Sample ID: SP 1 E. WALL 1.5' (H202434-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/08/2012	ND	416	104	400	3.77		

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:	10/05/2012	Sampling Date:	10/05/2012
Reported:	10/10/2012	Sampling Type:	Soil
Project Name:	TURNER B #98	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: SP 2 BOTTOM 3' (H202434-05)**

Chloride, SM4500CI-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	10/08/2012	ND	416	104	400	3.77		

**Sample ID: SP 2 N. WALL 1.5' (H202434-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/08/2012	ND	416	104	400	3.77		

**Sample ID: SP 2 S. WALL 1.5' (H202434-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/08/2012	ND	416	104	400	3.77		

**Sample ID: SP 3 BOTTOM 6' (H202434-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	10/08/2012	ND	416	104	400	3.77		

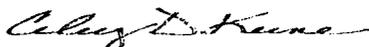
**Sample ID: SP 3 N. WALL 2' (H202434-09)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/08/2012	ND	416	104	400	3.77		

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\*=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:	10/05/2012	Sampling Date:	10/05/2012
Reported:	10/10/2012	Sampling Type:	Soil
Project Name:	TURNER B #98	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: SP 3 S. WALL 2' (H202434-10)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/08/2012	ND	416	104	400	3.77		

**Sample ID: SP 4 BOTTOM 1' (H202434-11)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/08/2012	ND	416	104	400	3.77		

**Sample ID: SP 4 N. WALL 0-6" (H202434-12)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/08/2012	ND	416	104	400	3.77		

**Sample ID: SP 4 S. WALL 0-6" (H202434-13)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/08/2012	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

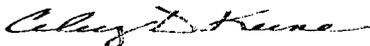
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



