AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.

App Number: pPAC0722128594

1RP - 1508

SOUTHERN UNION GAS COMPANY

7/29/2016

Basin Environmental Service Technologies, LLC

Environmental Site Summary

Project Name: Trunk "O" #2 (1RP-1508) **GPS Coordinates:** 32.371634 N -103.259301 W

Legal Description: Unit Letter: M **Section:** 22 **Township:** 22S **Range:** 36E **Depth to Ground Water:** ~153'

Land Owner: Dasco Land and Cattle Co.

Address: P.O. Box 727, Hobbs, NM 88241

Approximate Date of Release: Unknown **Approximate Volume of Release:** 75 bbls of fluid, 2,160 MCF Nat. Gas

Type of Release: Crude Oil, Produced Water and Natural Gas

Background Information: Southern Union Gas Services' Trunk "O" #2 soil remediation site is the result of a failure in a section of 30" low-pressure, natural gas pipeline. The release was discovered on August 21, 2007. The initial Form C-141 indicated 75 bbls of fluid and 2,160 Mcf of natural gas was released with 50 bbls being recovered. Remediation of the impacted area will follow the NMOCD Guidelines for Remediation of Spills, Leaks and Releases. The Trunk "O" #2 has been selected for immediate remediation.

Summary of Field Activities: On or around August 14, 2007, heavily impacted material was excavated from the release site and hauled to an approved disposal facility. On October 31, 2012, a series of test trenches were advanced at the release site in an effort to determine the horizontal and vertical extent of soil impact. Laboratory analytical results indicate chloride concentrations above NMOCD delineation standard (250 ppm) exist below a hard rock layer encountered at 8' bgs. It was determined that the advancement of one or more soil borings would be required to determine the vertical extent of soil impact.

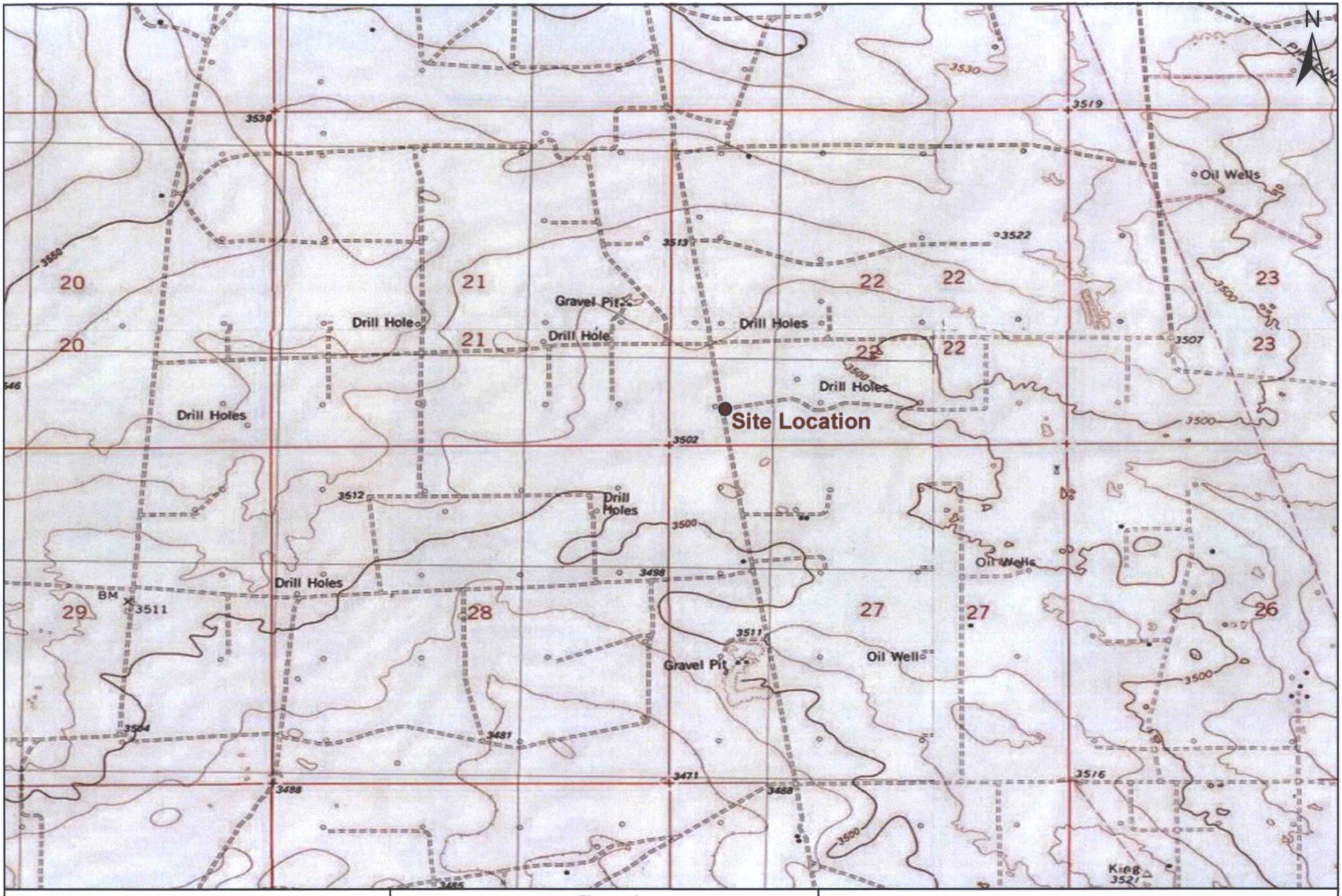
HOBBS OCD
AUG 29 2013
RECEIVED

Purpose of Soil Boring/Monitor Well Installation: As per the NMOCD's Guidelines for Remediation of Spills, Leaks and Releases, the vertical extent of soil impact and the status of the groundwater must be determined before developing a remediation strategy and advancing the site toward closure. It was determined that the advancement of one or more soil borings would be required to determine the vertical extent of soil impact. If during the advancement of the proposed soil boring it is determined that groundwater may have been impacted, the affected soil boring(s) may be converted into a 2" monitor well to facilitate groundwater sampling and remediation.

Proposed Soil Boring/Monitor Well Locations:				Description:
~32.371614	N	~103.259313	W	SB-1 (Inferred center of primary impact)
~32.371693	N	~103.259338	W	SB-2 (North of inferred release point)
	N		W	
	N		W	
	N		W	

Attachments:

Attachment #1: Site Location Map
Attachment #2: Site & Sample Location Map
Attachment #3: Land Owner Access Agreement



1,000500 0 1,000 2,000

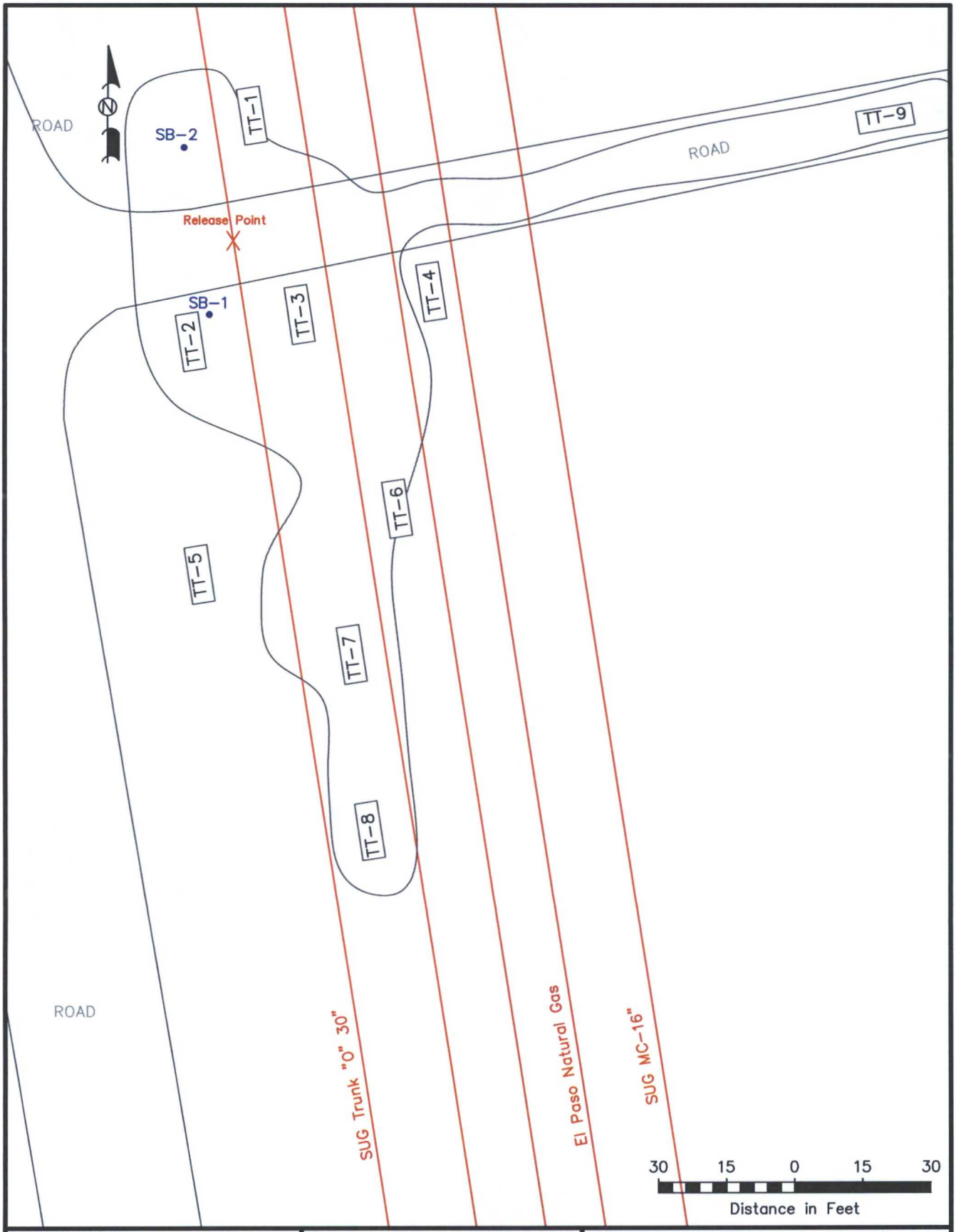
Distance in Feet

Figure 1
Site Location Map
Southern Union Gas Services
Trunk "O" #2
Lea County, New Mexico
NMOCD Reference #: 1RP-1508

Basin Environmental Service Technologies
Effective Solutions

Basin Environmental Service Technologies, LLC
3100 Plains Hwy.
Lovington, NM 88260

Drawn By: BJA	Checked By: JWL
November 5, 2012	Scale: 1" = 2000'



LEGEND:

Inferred Flowpath
Pipeline
Road
Sample Location
Proposed Boring

Figure 2

Site & Sample Location Map
Southern Union Gas Services
Trunk "O" #2 (1RP-1508)
Lea County, NM

Basin Environmental Services

Scale: 1" = 30'	Drawn By: JWL	Prepared By: BRB
November 2, 2012		

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
TRUNK "O" #2
HISTORICAL RELEASE SITE
LEA COUNTY, NEW MEXICO
NMOCD REF# 1RP-1508

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C_6-C_{28} (mg/Kg)	EPA: 300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{28} (mg/Kg)	ORO C_{28}-C_{35} (mg/Kg)		CHLORIDE (mg/Kg)
TT-1 @ Surface	Surface	10/31/2012	In-Situ	-	-	-	-	-	<17.6	<17.6	<17.6	<17.6	2.58
TT-1 @ 6'	6'	10/31/2012	In-Situ	-	-	-	-	-	<15.6	<15.6	<15.6	<15.6	4.35
TT-2 @ Surface	Surface	10/31/2012	In-Situ	-	-	-	-	-	<16.2	<16.2	<16.2	<16.2	434
TT-2 @ 8'	8'	10/31/2012	In-Situ	-	-	-	-	-	<17.1	<17.1	<17.1	<17.1	634
TT-3 @ Surface	Surface	10/31/2012	In-Situ	-	-	-	-	-	<16.6	<16.6	<16.6	<16.6	75.3
TT-3 @ 7'	7'	10/31/2012	In-Situ	-	-	-	-	-	<18.1	<18.1	<18.1	<18.1	283
TT-4 @ Surface	Surface	10/31/2012	In-Situ	-	-	-	-	-	<16.1	<16.1	<16.1	<16.1	<1.08
TT-4 @ 6'	6'	10/31/2012	In-Situ	-	-	-	-	-	<15.9	<15.9	<15.9	<15.9	55.2
TT-5 @ Surface	Surface	10/31/2012	In-Situ	-	-	-	-	-	<16.3	<16.3	<16.3	<16.3	<1.09
TT-5 @ 6'	6'	10/31/2012	In-Situ	-	-	-	-	-	<17.1	<17.1	<17.1	<17.1	2.57
TT-6 @ Surface	Surface	10/31/2012	In-Situ	-	-	-	-	-	<16.5	<16.5	<16.5	<16.5	<1.10
TT-6 @ 6'	6'	10/31/2012	In-Situ	-	-	-	-	-	<16.1	<16.1	<16.1	<16.1	1.74
TT-7 @ Surface	Surface	10/31/2012	In-Situ	-	-	-	-	-	<17.5	<17.5	<17.5	<17.5	<1.17
TT-7 @ 6'	6'	10/31/2012	In-Situ	-	-	-	-	-	<16.6	<16.6	<16.6	<16.6	3.57
TT-8 @ Surface	Surface	10/31/2012	In-Situ	-	-	-	-	-	<15.3	<15.3	<15.3	<15.3	<1.02
TT-8 @ 6'	6'	10/31/2012	In-Situ	-	-	-	-	-	<18.3	<18.3	<18.3	<18.3	5.77
TT-9 @ Surface	Surface	10/31/2012	In-Situ	-	-	-	-	-	<15.3	<15.3	<15.3	<15.3	1.05
TT-9 @ 6'	6'	10/31/2012	In-Situ	-	-	-	-	-	-	-	-	-	303
TT-9 @ 7'	7'	10/31/2012	In-Situ	-	-	-	-	-	<16.0	<16.0	<16.0	<16.0	80.1
NMOCD Standard				**10**				**50**				**5,000**	**1,000**

- = Not analyzed.

Joel Lowry

From: Joel Lowry [jwlowry@basinenv.com]
Sent: Monday, August 05, 2013 3:41 PM
To: 'james fuller'
Subject: SUGs Trunk "O" #2 Environmental Remediation Site -- Dasco Land and Cattle Co
Attachments: Trunk_O_2_Environmental_Site_Summary.pdf

Mr. Fuller,

Please find attached an Environmental Site Summary for the SUG Remediation Site known as Trunk "O" #2. I have included a "Proposed Soil Boring Location Map" and "Soil Chemistry Table", along with a graphic depicting the PLSS information. Please express to Dasco representatives that environmental remediation activities were conducted in 2007, but a final Soil Closure Report was never prepared. Basin revisited the site in 2012 and advanced several delineation trenches in an effort to determine if previous remediation activities met the objectives of the NMOCD. During the advancement of the test trenches 19 soil samples were collected and submitted to the laboratory for analysis of Total Petroleum Hydrocarbons (TPH) and chloride concentrations. Laboratory analytical results indicated TPH and chloride concentrations were less than the NMOCD Regulatory Remediation Action Levels (5,000 ppm TPH, 1,000 ppm Cl-) in each of the submitted soil samples. (4) soil samples exhibited chloride concentrations above 250 ppm (434, 634, 283 and 303) which warrants the advancement of soil bores to determine the vertical extent of soil impact, and ensure that groundwater has not been affected.

During the advancement of the soil bores, soil samples will be collected at 5' drilling intervals and submitted to laboratory for analysis of chloride concentrations. If laboratory analytical results indicated chloride concentrations decrease as expected and never exceed 1,000 ppm, we should be able to close the site without any further action. If it is determined that chloride concentrations exceed 1,000 ppm at depth, a work plan will be developed and the site may require limited excavation and the installation of a clay liner. Upon completing said activities, the site will be reseeded with a seed mixture acceptable to the landowner at a time more conducive to germination. Thanks.

Respectfully,

Joel Lowry

Attachments
#1 Environmental Site Summary
#2 Site Location Map
#3 Site/Sample Location Map
#4 Soil Chemistry Table
#5 Legal Information