



# 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:** pPAC0718636799

**1RP - 1457**

**REGENCY FIELD SERVICES LLC**

# Basin Environmental Service Technologies, LLC

## Environmental Site Summary

Project Name: #4 North Plant Storage (NMOCD IRP#-1457)

GPS Coordinates: 32 15.529' N 103 11.718' W

Legal Description: Unit Letter: I Section: 31 Township: 23S Range: 37E

Depth to Ground Water: >100'

Land Owner: Southern Union Gas

Address: 801 S. Loop 464, Monahans, TX 79756

Approximate Date of Release: 04/03/07 Approximate Volume of Release: 140 bbls condensate and 140 bbls water

Type of Release: Below Grade Tank

**Background Information:** The #4 North Plant Storage Remediation Site is a result of a failure in a former 410 bbl Above Grade Tank (AGT). A Form C-141 was filed in July 2007, indicated approximately 140 bbls of natural gas condensate and 140 bbls of produced water were released. During initial response activities 65 bbls of condensate and 65 bbls of produced water were recovered using a vacuum truck. Southern Union has selected the #4 North Plant Storage for immediate remediation.

**Summary of Field Activities:** During November 2012, Basin advanced a series of test trenches in an effort to determine the vertical and horizontal extent of soil impact. Laboratory analytical results from soil samples collected from the on-site test trenches indicate elevated concentration of BTEX and TPH exists at greater than 18' below ground surface (bgs). It was determined that the advancement of one or more soil borings would be required to determine the vertical extent of soil impact.

**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:

~32.258547	N	~103.195149	W
~32.258547	N	~103.195028	W
~32.258454	N	~103.195023	W
~32.258633	N	~103.195153	W
~32.258477	N	~103.194784	W

### Description:

SB-1 (western portion of primary pooling area)
SB-2 (eastern portion of primary pooling area)
SB-3 (~50' down gradient of primary pooling area)
SB-4 (inferred center of former below grade tank location)
SB-5 (~120' down gradient of primary pooling area)

### Attachments:

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

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Legend:

- Proposed Soil Boring

Figure 2  
Proposed Soil Boring Location Map  
Southern Union Gas Services  
#4 North Plant Storage  
NMOCD Ref RP-1457  
Lea County, New Mexico

## Basin Environmental Services

Prep By: JWL

Checked By: BJA

December 4, 2012

Scale 1"=50'

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES  
 #4 NORTH PLANT STORAGE  
 HISTORICAL RELEASE SITE  
 LEA COUNTY, NEW MEXICO  
 NMOCD REF# 1RP-1457

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030				METHOD: 8015M				TOTAL TPH C <sub>6</sub> -C <sub>28</sub> (mg/Kg)	EPA: 300 CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	ORO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)		
East/West Trench SP#6 @ 4'	4'	11/15/2012	Excavated	<1.14	44.4	28.6	83.8	157	2,510	446	<17.0	2,960	2,410
East/West Trench SP#6 @ 10'	10'	11/15/2012	Excavated	-	-	-	-	-	1,480	311	<19.8	1,790	230
East/West Trench SP#6 @ 14'	14'	11/15/2012	Excavated	4.01	65.4	28.2	68.9	167	1,880	418	<19.6	2,300	21.8
East/West Trench SP#6 @ 18'	18'	11/15/2012	Excavated	0.00359	0.0202	0.00294	0.0230	0.0497	<19.1	<19.1	<19.1	<19.1	20.18
East SW #1 @ 14' bgs	14'	12/18/2012	In-Situ	-	-	-	-	-	<15.7	<15.7	<15.7	<15.7	225
East SW #2 @ 14' bgs	14'	12/18/2012	In-Situ	-	-	-	-	-	<15.9	<15.9	<15.9	<15.9	340
North SW #1 @ 14' bgs	14'	12/18/2012	In-Situ	-	-	-	-	-	<16.4	<16.4	<16.4	<16.4	149
South SW #1 @ 14' bgs	14'	12/18/2012	In-Situ	-	-	-	-	-	<16.0	<16.0	<16.0	<16.0	37.5
NMOCD Standard				10				50				1,000	500

- = Not analyzed.

