



# SITE RESTORATION WORK PLAN

## SUNOCO KEMNITZ STATION

UNIT B, SECTION 24, TOWNSHIP 16 SOUTH, RANGE 33 EAST  
LEA COUNTY, NEW MEXICO

**Prepared for:**

**Sunoco, Inc.**  
401 Cypress Ste 610  
Abilene, Texas 79601

**RECEIVED**

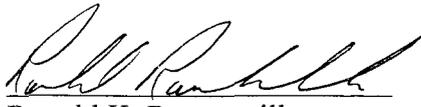
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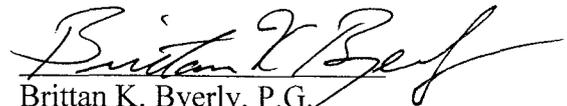


**Prepared by:**

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August 2010

  
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## Table of Contents

1.0	INTRODUCTION AND PURPOSE.....	1
2.0	NMOCD SITE CLASSIFICATION .....	1
3.0	PROPOSED ACTIONS .....	1
4.0	REPORTING .....	2
5.0	LIMITATIONS .....	2

### FIGURES

FIGURE 1: Site Location Map

FIGURE 2: Site Map

## **1.0 INTRODUCTION AND PURPOSE**

On behalf of Sunoco, Inc. (Sunoco), NOVA Safety and Environmental (NOVA) has prepared this Site Restoration Workplan for the site known as Sunoco Kemnitz Station. The Sunoco Kemnitz Station site is a former tank battery location and was decommissioned in 2001 with the removal of the tanks and all ancillary equipment. Sunoco has retained NOVA to conduct the remedial activities and to progress the site toward closure under the New Mexico Oil Conservation Division (NMOCD) closure standards (site ranking >19 based on a depth to groundwater less than fifty (50) feet). A Site Location Map is provided as Figure 1.

## **2.0 NMOCD SITE CLASSIFICATION**

Groundwater in the vicinity of this site occurs at approximately fifty (50) feet bgs. This depth to groundwater results in a score of 20 being assigned to this site based on the NMOCD ranking criteria. The distance to the nearest water source exceeds 1,000 feet, resulting in no points being assigned to the site on this ranking criterion. There is no surface water body located with 1,000 feet of the site, resulting in no points being assigned on this ranking criterion.

The NMOCD's *Guidelines for Remediation of Leaks, Spills and Releases* (NMOCD, 1993), indicates the Sunoco Denton / Lovington Station site has a ranking score of 20 points. The soil cleanup levels for a site with a ranking score greater than 19 require benzene concentrations below 10 parts per million (ppm), total BTEX concentrations below 50 ppm and TPH-GRO/DRO concentrations below 100 ppm.

## **3.0 PROPOSED ACTIONS**

Sunoco proposes to excavate any observed hydrocarbon impacted soil underneath the former tank locations, berms and sidewalls to a depth of approximately 2 feet below ground surface (bgs). Analytical results from the floor and sidewall soil samples will determine the final extent of the excavations, which will progress until soil samples indicate constituent concentrations below the appropriate NMOCD regulatory standard. All excavated soils will be transported to the Sunoco Denton Station for staging. Clean top soil material suitable for backfilling will be acquired from a nearby source to backfill the excavation area. All caliche material from non-impacted areas used as roadways will be removed from the site and clean top soil will be placed over the disturbed areas and reseeded with vegetation acceptable to the landowner. A Site Details Map is provided as Figure 2.

All soil samples will be field screened using a PID. The soil interval exhibiting the highest PID reading will be placed in glassware provided by Trace Analysis in Midland, Texas. The samples will then be placed on ice and in coolers for transport to the laboratory under strict chain-of-custody documentation. Samples will be analyzed for BTEX by EPA Method SW 8021b and TPH by EPA Method 8015b Modified GRO/DRO.

#### **4.0 REPORTING**

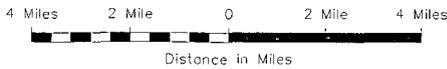
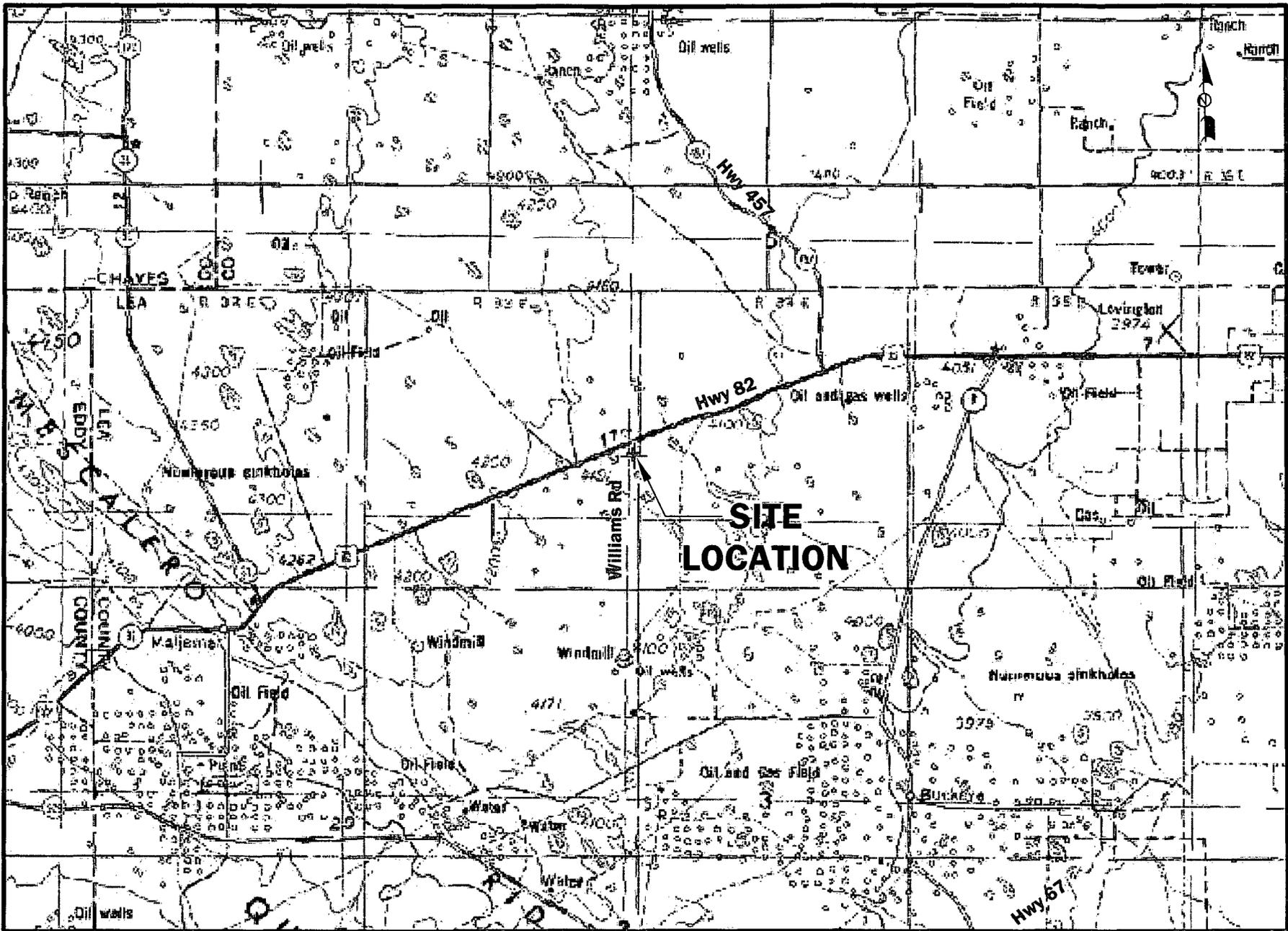
Based on the results of soil analysis, a request for soil closure will be submitted to the NMOCD. Upon completion of site assessment activities, Sunoco will submit a Site Assessment Report summarizing activities and remediation work conducted at the site.

#### **5.0 LIMITATIONS**

NOVA Safety and Environmental has prepared this Site Restoration Work Plan and Proposed Soil Closure Strategy to the best of its ability. No other warranty, expressed or implied, is made or intended.

NOVA Safety and Environmental has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA Safety and Environmental has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA Safety and Environmental has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA Safety and Environmental also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Sunoco, Inc. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of NOVA Safety and Environmental and/or Sunoco, Inc.



Site Location Map  
 Sunoco, Inc.  
 Kemnitz Station  
 Lea County, Nm

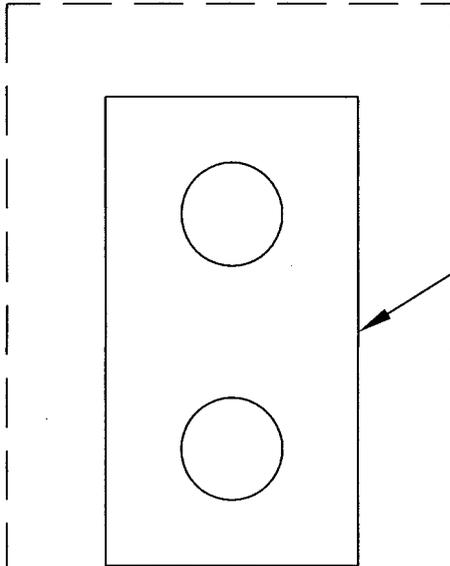


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 Midland, Texas 79703  
 432.520.7720  
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Scale: 1" = 21120'    Cad By: TA    Checked By: RR  
 August 25, 2010    Location: NW1/4, NE1/4, Sect 24, T16S, R33E.    N 32° 54.739', W 103° 36.488'



Williams Road



Former Tank Battery

Caliche Lease Rd.

LEGEND:

Figure 2  
Site Detail Map  
Sunoco, Inc.  
Kemnitz Station  
Lea County, NM



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NW1/4 SE1/4 Sec 24 T16S R33E

N 32° 54.739' W 103° 36.488'

Scale: NTS

CAD By: TA

Checked By: RKR

June 26, 2010