

## PROJECT INFORMATION SHEET

Request for Proposal  
For  
Phase 3, 4, and 5 Remediation Activities  
At  
Sierra Ice & Water

Facility Number: 30604

Release Number: 1185

The New Mexico Environment Department (Department) requests that qualified firms submit a proposal, with costs, for performance of Phases 3, 4, and 5 consisting of development of conceptual and final remediation plans; implementation of the remediation plan; and operating, monitoring, maintaining and reporting under the implemented remediation plan. Proposals, including any figures, must total no more than fifteen pages. The removal of non-aqueous liquid (NAPL) and remediation of soil and groundwater contamination must be performed in accordance with the requirements of the New Mexico Petroleum Storage Tank Regulations, 20.5.12 NMAC. Major remediation equipment, as defined in 20.5.17.7.B.6 NMAC will be procured for this site.

All proposed work must be performed in accordance with the requirements of the New Mexico Petroleum Storage Tank Regulations, 20.5 NMAC. The CID license must be in an appropriate category for the scope of work being completed at this site. It is recommended that proposer's check with CID to assure that they are in compliance with the law. In addition, documentation that the proposer is in compliance with regulations (16.39 NMAC) governing professional engineering practice in New Mexico, a Statement of Qualifications for your firm's authorized representative and engineer, and the notarized anti-collusion affidavit required in accordance with 20.5.17.301.C.2 NMAC. Additional requirements are included in the attached Proposal Specification Package. Engineered drawings shall not be submitted in the conceptual remediation plan as part of the proposal pursuant to 20.5.12.1227.C (1) & (2) NMAC.

### Site Information:

The Sierra Ice & Water petroleum release is located at 2855 West Picacho Avenue in Las Cruces. According to city directories the PJ 70 80 Truck Stop operated at this address from 1962 to 1980. The facility is currently occupied by Advanced Diesel Services, Sanco Oil Company, Sanchez Trucking Company, and Cameo Rose Salon. Sanchez Trucking Company is the current property owner.

A petroleum release was discovered in 1992, when five underground storage tanks were removed. Petroleum contaminated soil was excavated and remediated on site. A water sample collected from the tank excavation was analyzed for poly aromatic hydrocarbons. The petroleum release was moved to no further action status. The release was re-opened in 1995. Petroleum contaminated soil was found during soil sampling for piping closure.

Twenty-four monitoring wells were installed at the facility in subsequent investigations. In January 2009, non-aqueous phase liquid (NAPL) was measured in seven of the twenty wells

currently useable at the facility. The NAPL is 95% by weight diesel range organics and 15% by weight gasoline range organics. The public water supply well for the Ranch Vista mobile home park is with the NAPL plume. Gasoline and diesel constituents have not been detected in water samples collected from the supply well.

The following documents for the Sierra Ice & Water petroleum release are available electronically in postscript driver format (.pdf) or joint photographic experts group format (.jpg) on the Department's ftp page, <ftp://ftp.nmenv.state.nm.us/upload/>:

1. Initial Incident Report dated April 13, 1992
2. Inspection Report dated March 27, 1992
3. Analytical Laboratory Report dated April 23, 1992
4. Letter and sketch dated April 3, 1992
5. UST Questionnaire dated April 29, 1992
6. Inspection Report dated June 30, 1992
7. Declaration of Underground Water Right, LRG-7051, dated October 24, 1988
8. Inspection Report dated August 9, 1995
9. Initial Incident Report
10. Inspection Report dated October 17, 1995
11. Analytical Laboratory Report dated October 25, 1995
12. Results of analysis of water samples from public water supply for Ranch Vista Mobile Home Park
13. On-Site Investigation Report dated May 13, 1996
14. Hydrogeologic Investigation Report dated March 7, 1997
15. Hydrogeologic Investigation Report dated August 12, 1998
16. Quarterly Monitoring Report dated January 19, 1999
17. Quarterly Monitoring Report dated May 4, 1999
18. Quarterly Monitoring Report dated October 15, 1999
19. Quarterly Monitoring Report dated December 13, 1999
20. Hydrogeologic Investigation Report with sieve analysis dated May 27, 2000
21. Quarterly Monitoring Report dated November 10, 2000
22. Quarterly Monitoring Report dated January 6, 2001
23. Quarterly Monitoring Report dated May 15, 2001
24. Quarterly Monitoring Report dated September 17, 2001
25. Monitoring and Summary Report dated November 11, 2001
26. Quarterly Monitoring Report dated December 30, 2002
27. Quarterly Monitoring Report dated March 18, 2003
28. Quarterly Monitoring Report dated July 21, 2003
29. Bail Down Test Report dated June 10, 2004
30. Cover letter and maps dated June, 10, 2004
31. Hydrogeologic Investigation Report dated March 9, 2005
32. Hydrogeologic Investigation Report with sieve analysis dated September 27, 2005
33. Quarterly Monitoring Report dated August 4, 2006
34. Quarterly Monitoring Report dated September 11, 2006
35. Quarterly Monitoring Report dated November 29, 2006
36. Quarterly Monitoring Report dated March 27, 2007

37. Non-Aqueous Phase Liquid Removal Report dated October 3, 2007
38. Hydrogeologic Investigation Report dated March 5, 2009
39. Depth to Fluid Measurements January 26 and 27, 2009
40. Soil Vapor Extraction Pilot Test Report for R.C. Sanders Trucking dated April 16, 2007
41. New Mexico Department of Transportation aerial photograph dated November 20, 1970
42. New Mexico Department of Transportation aerial photograph dated February 28, 1980
43. New Mexico Department of Transportation aerial photograph dated December 7, 1989

The Department requests the submittal of proposals that offer remediation technologies designed to remove NAPL from the aquifer and remediate the source area. After NAPL is removed, natural attenuation will be evaluated for achieving Water Quality Control Commission and Environmental Improvement Board groundwater standards. Current or similar property use will continue for the foreseeable future.

The Department requests the submittal of proposals including costs. Separate costs must be provided for each of the following items:

➤ Phase 3

- Baseline groundwater monitoring. Inspect and gauge all monitoring wells. Identify damaged wells. Collect information necessary to submit a workplan for repairing or abandoning damaged monitoring wells. Analyze groundwater samples collected from wells MW-16, MW-21, MW-24, MW-25, and MW-26 for volatile and poly aromatic hydrocarbons.
- Installation of any wells or monitoring points recommended for pilot testing.
- Bioventing / Soil vapor extraction pilot test and report. Specify goals, starting vacuum, test termination criteria, and methods or models for analyzing the data.
- Any additional pilot testing and reporting necessary to demonstrate effectiveness of a proposed remediation technology.
- NAPL recovery and reporting. Cost per event for removing an average of 1 gallon NAPL per well from seven wells by hand bailing or using mobile equipment.
- Final Remediation Plan

➤ Phase 4

- Implementation of approved final remediation plan

➤ Phase 5 activities

- Operating, monitoring, maintaining and reporting under the implemented remediation plan

Responders recommending additional work beyond the scope of this request for proposals must provide separate costs by task for those additional activities. The Department may consider proposals with documented site-specific data that justifies the proposed additional work as a more technically meritorious response.

The following items should be listed as attachments to your proposal and are exempt from the page limitation requirements of your proposal:

- The Statements of Qualification for your firm's authorized representative and engineer.
- The notarized anti-collusion statement.
- Documentation that the proposer is in compliance with 14.6 NMAC, governing contracting in New Mexico.
- Documentation that the proposer is in compliance with 16.39 NMAC, governing professional engineering practice.
- Example health and safety plan.
- Required SOPs and example field data sheets for groundwater monitoring, etc.
- Quality Assurance / Quality Control information.

**COSTS SHALL BE SUBMITTED WITH THE PROPOSAL IN A SEPARATE ENVELOPE MARKED WITH YOUR FIRM'S NAME, THE SITE NAME AND "PROPOSAL COSTS".**

The attached documents detailing proposal specifications must also be followed.

The owner/operator is:

Mr. Samuel E. Lunt  
1717 Sequoia Avenue  
Las Cruces, New Mexico 88005

Four copies of each respondent's proposal are required. Please send all four copies of the proposal with associated costs to the Department at the following address:

New Mexico Environment Department  
Petroleum Storage Tank Bureau  
1901 Siler Road  
Building B  
Santa Fe, New Mexico 87505  
Attn: Christopher Holmes

Proposals must be received in an envelope marked "Sealed Bid" at the Petroleum Storage Tank Bureau by 3:00 p.m. Mountain Daylight Savings Time June 19, 2009.