



July 13, 1993

Eva Chu  
Alameda County Health Care Services Agency  
Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

**Subject: Corrective Action Plan**

Dear Eva,

Enclosed for your review and approval is the copy of the Request for Proposal (RFP) for the Arrow Rentals site at 187 North L Street in Livermore. We received several bid responses. Based on those responses, we chose the dual phase extraction method as our remediation technology (map attached). We have reissued the bid based on the selected technology and attached map so the bidders could all bid on the same basis. Those bids are due on July 28, 1993.

The parameters set forth in the RFP, and the dual phase extraction method as shown on the attached map constitute our corrective action plan. With your approval of the corrective action plan, we will have complied with the final requirement for issuance of a Letter of Commitment from the UST Cleanup Fund.

We appreciate your help in the process of qualifying for the UST Cleanup fund. With your prompt approval of the corrective action plan, and after that, the issuance of a Letter of Commitment by the UST Cleanup Fund, the cleanup can finally begin (hopefully before the rainy season hinders installation of remediation equipment).

Very truly yours,

Rita Sullins

RS/cn

Enclosure

cc: Eddy So



June 28, 1993

**Subject:** Request for Proposal  
Corrective Action Plan Development and Implementation  
Arrow Rentals Site  
187 North L Street  
Livermore, CA 94550

Dear Sirs:

This is a Request for Proposal (RFP) to develop and implement a Corrective Action Plan (CAP) to remediate gasoline impacted soil and groundwater at the Don-Sul, Inc./Arrow Rentals facility located at 187 North L Street, Livermore, CA. Bids shall include costs for all items listed to install, operate and obtain site closure using a dual vacuum extraction (DVE) remediation system. All technical reports prepared during site investigations will be made available at the Arrow Rentals office upon request.

## **OBJECTIVE**

The objective of the work is to remediate gasoline-impacted soil and groundwater to levels acceptable to regulatory agencies including the Alameda County Health Care Services Agency (Department of Environmental Health) and the Regional Water Quality Control Board.

## **BACKGROUND**

The Arrow Rentals site, located at 187 North L Street, Livermore, California, is a former gasoline station from approximately 1951 to at least 1968. Don-Sul, Inc./Arrow Rentals purchased the property in 1972. Three of five underground storage tanks (UST's) were removed in 1972. In 1984, a new 1000-gallon gasoline UST was installed. In 1985, it is reported that approximately 600 gallons of fuel were poured down a vapor monitoring well adjacent to the new tank. Two more tanks were removed in 1986.

The site is located on the west side of L Street. It is about 100 feet wide and 200 feet deep and is paved entirely with asphaltic concrete. The former station building is currently in use as an office and storage building. The site is fenced and most of the west portion is used to store rental equipment. The 1000 gallon UST is located at the southwest corner of the site. Property to the south and west are undeveloped.

The Western Pacific Railroad right-of-way borders the north side of the property. Residences are located north of the railroad property.

From 1988 through 1992, studies have been performed on site which indicated petroleum contamination in both the soil and groundwater. A total of eight groundwater monitoring wells and nine soil borings were installed. Floating gasoline was detected in one well and TPH as gasoline was detected at levels from none-detected to 21 ppm in other wells. TPH as gasoline levels in soil samples ranged from none-detected to 16,000 ppm.

### SCOPE OF WORK

Soil and groundwater containing petroleum hydrocarbons will be remediated using dual vacuum extraction (DVE). Eleven dual vacuum extraction wells and two induction wells will be used for the remediation. Well locations are shown in Figure 1. The wells shall consist of the following:

- 3 Six-inch DVE wells, 55-feet deep, with downhole pumps capable of pumping 8-gallons per minute (gpm) of water
- 8 Four-inch DVE wells, 45-feet deep, with entrainment pipes
- 2 Two-inch induction wells

Exact equipment and sizing will be determined from the pilot testing, however for the purpose of this bid, remediation equipment shall include the following:

- A blower capable of producing 500 standard cubic feet per minute (SCFM) at 12 inches Hg vacuum.
- A 500 SCFM catalytic oxidizer, Global model 7 VTM Remedi-Cat or equal.
- A 150-gallon air/water separator.
- All piping shall be sized such as not to inhibit the above flow rates.

Please note that all corrective action work must be in compliance with the guidance of SB 2004 UST Cleanup Fund, Article 11 of the UST regulations, and must be approved by the Alameda County Health Care Services Agency, Department of Environmental Health.

## **BID BREAKDOWN**

Bids shall include the projected total cost of cleanup, as well as the unit costs involved in completing the following tasks:

1. Implementation of a pilot study to determine exact well spacing, contaminant concentrations, flow rates, equipment sizing and type.
2. Preparation of a detailed CAP suitable for submission to the regulatory agencies for review and approval.
3. Procurement of all permits required to complete the corrective action.
4. Purchase (or lease), construction and installation of all required equipment, wells, materials, supplies, structures, or systems.
5. System operation and maintenance, including all labor, equipment and supplies (per month).
6. Periodic sampling and reporting of soil and groundwater for total petroleum hydrocarbons as gasoline (TPHG), benzene, toluene, ethyl benzene and xylene (BTEX) and total petroleum hydrocarbons as diesel (TPHD) to check cleanup progress (per sampling interval) in accordance with regulatory requirements.
7. Verification sampling (post-closure monitoring) of groundwater (per sampling interval) in accordance with regulatory requirements. Post closure soil sampling to include at a minimum four sample boring to 40 feet, sampled every five feet and analyzed for TPHG, BTEX and TPHD.

## **CONTENTS OF BID**

In addition to your price quote, your bid should contain the following:

1. A detailed CAP as described above.
2. Bidder's years of experience conducting UST corrective action work in California. A statement of qualifications must accompany any bid submitted.
3. Location(s) of bidder's office(s) proposed to perform the work.

4. Resumes of all personnel proposed to work on the project. Please note that these persons must include licensed professionals in the State of California and other professionals with necessary licenses to perform the work.
5. A list of proposed subcontractors and the task(s) they will perform.
6. A list of at least three references (contact name, company, address and telephone number and project description) of previous clients for whom the bidder has performed similar work within the last three years.
7. Evidence of general liability insurance in the amount of \$1,000,000; automobile insurance in the amount of \$1,000,000; and workers' compensation/employer's liability insurance in the amount of statutory/\$1,000,000.
8. A copy of your Standard Services Agreement and Schedule of Charges under which you propose to perform the work. Your Schedule of Charges must include hourly rates for personnel classifications employed, unit charges for common supplies and equipment used in corrective action work, and multiplier used when charging other direct expenses.
9. A schedule of activities.

#### **INVOICES AND PAYMENT**

Invoices shall be submitted monthly to Don-Sul, Inc. for payment. Invoices shall specify the actual costs incurred during the billing period. Invoices for consulting services shall reference the specific task for which the costs were incurred. In addition, the invoices should include when services were performed, a breakdown for direct labor, indirect costs, travel, equipment, material and supplies, and subcontractor work..

#### **PROCEDURES FOR BIDDING**

Please note:

A copy of a letter from the Alameda County Health Care Agencies requesting corrective action is attached.

All work shall be performed in a manner which will not interfere with, or require the cessation of, business at the site.

Don-Sul, Inc. intends to seek reimbursement for the subject work from the UST Cleanup Fund administered by the State Water Resources Control Board. Bidder agrees to respond to any inquiry from that Agency regarding any claim submitted by Don-Sul, Inc..

Don-Sul, Inc. reserves the right to reject all bids without notice or cause, and retains the right to solicit and accept additional bids as necessary in its judgment.

Don-Sul, Inc. will contact references and otherwise conduct an investigation to determine to the satisfaction of Don-Sul, Inc. that the bidder has the technical and financial capabilities to perform the requested work and has established goodwill with other clients and regulatory agencies.

Bids are due no later than 3 PM on Wednesday, July <sup>28</sup>~~7~~, 1993 in the Arrow Rentals office at 187 North L Street, Livermore, CA, 94550.

Please contact the undersigned at (510) 449-4741 with any questions.

Sincerely,

DON-SUL, INC.



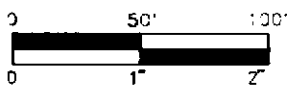
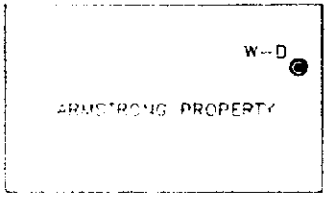
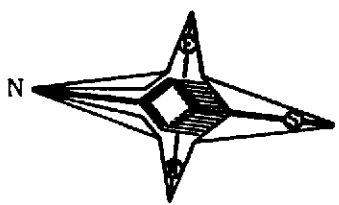
Rita Sullins

attachments

P.S. We are about to receive a letter of commitment from the UST Cleanup Fund.

DRAWING No. FIG-1

PLOT SCALE 1" = 100'



FORMER PUMP ISLAND

ARROW RENTALS BUILDING

W-C

NORTH 'L' STREET

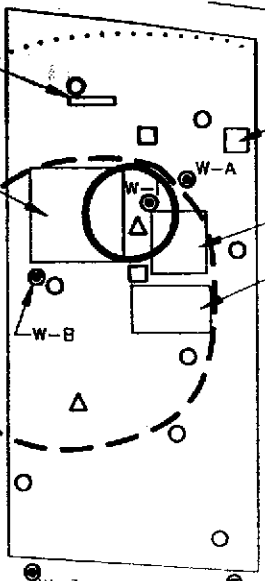
EXISTING 1,000 GAL FUEL TANK

FORMER UNDERGROUND FUEL TANK

FORMER UNDERGROUND FUEL TANK

LEGEND

- PROPOSED DUAL EXTRACTION WELL WITH DOWN HOLE PUMP △
- PROPOSED DUAL EXTRACTION WELL WITH ENTRAINMENT PIPE ○
- PROPOSED AIR INDUCTION WELL □
- EXISTING GROUNDWATER MONITORING WELLS ●
- APPROXIMATE LOCATION OF FLOATING PRODUCT —————
- APPROXIMATE 10,000 ppb BENZENE CONTOUR IN GROUNDWATER - - - - -
- APPROXIMATE EXTENT OF GROUNDWATER CONTAMINATION .....



NORTH 'M' STREET

W-E