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20630 PATIO DRIVE
CASTRO VALLEY, CALIFORNIA 94546
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F A X (5 1 0) 8 8 1 - 7 6 1 8

December 4, 1997

Mr. Scott Seery Hazardous Materials Specialist Alameda County Health Care Services 1131 Harbor Bay Pkwy., Room 250 Oakland, CA 94502-6577

> RE: Unocal Service Station Castro Valley, CA

Dear Scott:

The State Water Resources Control Board asked us to do some additional characterization work on the plume. Enclosed is a proposal from BSK & Associates and a diagram showing the possible locations of the seven sample points.

I am asking the State for pre-approval of this work and would like to have your concurrence as well.

Sincerely,

Randall E. Nahas

REN/hrs

**Enclosures** 

December 3, 1997

BSK PROPOSAL 04400163

R. T. Nahas Company/Eden Managements 20630 Patio Drive Castro Valley, CA 94546

Attention:

Mr. Randy T. Nahas

Subject:

**Proposal** 

Supplemental Subsurface Characterization

**Unocal 76 Service Station** 

20405 and 20629 Redwood Road

Castro Valley, California

### Gentlemen:

In response to your request for proposal (RFP), dated December 2, 1997, we are pleased to submit this proposal to perform a Supplemental Subsurface Characterization for the subject property.

#### PURPOSE AND SCOPE OF WORK

The purpose of the proposed work is to provide up to date subsurface data with regards to the release from the underground storage tanks present at the site. The scope of work is based on a request from Mr. James deGeorgio of the California State Water Resources Control Board, Underground Storage Tank Cleanup Fund (USTCF). The proposed scope of work is as follows:

- Prepare and submit a workplan to Alameda County Health Cares Services and USTCF for approval.
- Obtain the necessary permits and to provide regulatory agency notification prior to the beginning of field work.
- Drill and sample 7 borings to depths of 15 to 20 feet. Soil samples will be collected at 5 foot intervals beginning at a depth of 1-foot. Groundwater grab samples will be collected from each of the borings using a Hydropunch II® sampling device.
- A total of 28 soil samples and 7 groundwater samples will be analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-g), Benzene, Toluene, Ethyl benzene, Xylenes (BTEX) and Methyl-t-Butyl Ether (MTBE) by EPA 8020M/8015M. Two soils samples with the highest concentrations of MTBE will be confirmed using EPA 8260.
- Prepare a supplemental subsurface characterization report summarizing the field activities and data collected. The report will contain, at a minimum, a description of field procedures, boring logs, site plan, tables summarizing the groundwater sample analytical results, and

copies of the laboratory analytical reports and chain-of-custody documentation for the soil and groundwater samples. Conclusions and recommendations for further action, if needed, will be included in the report.

All work will be performed under the direct supervision of a California registered professional and in accordance with guidelines set forth in the document "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites," dated August 10, 1990 and "Appendix A - Workplan for Initial Subsurface Investigation," dated August 20, 1991.

### **ESTIMATED FEES**

Our fees for this work will be computed on a Time and Expense Basis in accordance with our current Fee Schedule. Based on this schedule, we estimate that the fees for the scope of work are outlined below and provided in detail on the attached Cost Estimate.

	<b>ESTIMATED FEE \$9,392.00</b>
6.	Supplemental Subsurface Characterization Report
3.	Analytical Testing (Normal 10-day Turn Around Time)
2.	Drill and Sample 7 Borings
1.	Preparation of Workplan/Permitting \$1,166.00

## **SCHEDULE**

We are prepared to commence work on this project within 2 days of your authorization to proceed. Our proposed project schedule would be as follows:

1.	Workplan Preparation/Permitting	Completed 1 week After Notice-to-Proceed
2.	Drill and Sample Borings	Completed 2 weeks After Workplan Approval
3.	Submittal of Report	Completed 6 weeks After Workplan Approval

# **GENERAL CONDITIONS**

We have assumed that we will have unimpeded access to the subject property during the course of the investigation.

Please sign in the space provided on the "Authorization and Acceptance" form attached to this proposal to indicate your approval of the scope of services and acceptance of our Terms and Conditions. Please return a signed, completed copy of the proposal and attachments to us, as our authorization to proceed with this assignment.

BSK appreciates the opportunity to submit this Proposal for your consideration and look forward to assisting you on this project. Should you have questions regarding the Proposal, please contact us.

Respectfully submitted, BSK & Associates

Martin B. Cline, R.G. Project Geologist

Mut Cu

Alex Y. Eskandari, P.E.

Manager - Geo-Environmental Services

MBC/mc
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cc: James deGeorgio, USTCF (faxed)

Attachments:

Cost Estimate
Authorization and Acceptance Form



## **AUTHORIZATION AND ACCEPTANCE**

The proposed scope of services, fee, schedule and General Conditions presented in Confirming Proposal 04-40-0163 are acceptable and BSK is authorized to proceed with the above referenced scope of work at the Unocal 76 Service Station in Castro Valley, California.

Ву:		
	Signature*	
or:		
		Date



<sup>\*</sup> Individual with authority and responsibility for payment of BSK & Associates' invoices.