

BSK & Associates, Geotechnical Consultants, Inc.

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Geotechnical Engineering • Engineering Geology • Environmental Engineering • Engineering Laboratories • Chemical Laboratories

November 20, 1989

OUR JOB P89134

Ms. Roberta Buchan
R.T. Nahas Company/Eden Managements
20630 Patio Drive
Castro Valley, California 94546

SUBJECT: Addendum to Proposal PR89082
Dated September 19, 1989
Monitoring Facility Installations
20405 Redwood Road
Castro Valley, California

Dear Ms. Buchan:

In response to Alameda County Department of Environmental Health (ACDEH) letter dated October 19, 1989 to R.T. Nahas Company/Eden Managements, we have prepared this addendum proposal for monitoring facility installation and plan at the above referenced facility.

Our initial proposal (PR89082) called for the installation of four groundwater monitoring wells in accordance with the Underground Tank Monitoring Alternative 4, as contained in California Administrative Code, Title 23 Waters, Chapter 3, Subchapter 16. According to ACDEH letter cited above, Alternative 4 is not an acceptable monitoring scheme for the subject site. Instead, ACDEH will accept Alternative 6 which includes groundwater monitoring wells, soil sampling and boring, inventory reconciliation, tank testing and pipeline leak detectors. We have discussed Alternative 6 with Mr. Scott Seery of ACDEH and he has indicated his general agreement with the proposed monitoring scheme.

<input type="checkbox"/>	Fresno, California 93706	• 1645 "F" Street, Suite 105	• Telephone (209) 485-1200, Fax (209) 485-7427
<input type="checkbox"/>	Fresno, California	• 1445 "F" Street	• Telephone (209) 485-0100
<input type="checkbox"/>	Fresno, California 93706	• 1414 Stanislaus Street	• Telephone (209) 485-4110
<input type="checkbox"/>	Visalia, California 93291	• 808 E. Douglas Avenue	• Telephone (209) 732-8857
<input type="checkbox"/>	Bakersfield, California 93304	• 117 "V" Street	• Telephone (805) 327-0671, Fax (805) 324-4218
<input checked="" type="checkbox"/>	Pleasanton, California 94566	• 5729-F Sonoma Drive	• Telephone (415) 462-4000, Fax (415) 462-6283

MONITORING ALTERNATIVE 6

1. Groundwater Monitoring Wells and Soil Sampling:
We plan to install four wells adjacent to the existing storage tanks, and obtain soil and groundwater samples for chemical testing as detailed in our initial Proposal PR89082, dated September 19, 1989.
2. Pipeline Leak Detectors:
We plan to use Azonic, an environmental service company in San Jose, California to install two Red Jacket diaphragm style line leak detectors, or equivalent, to be fitted over the two gasoline tanks. Details of their work are given in the attached proposal from Azonic.
3. Inventory Reconciliation and Tank Testing:
Daily inventory reconciliation and annual tank testing, as called for in Alternative 6, would be carried out by the owner/station operator.
4. Groundwater Monitoring Frequency
 - a. Quarterly Sampling and Observation:
Each well would be sampled by using a clear (transparent) plastic ball-valve bailer on a quarterly basis. Water samples would be field inspected for the presence of odor and the observation of product or sheen on the water sample.
 - b. Semi-annual Sampling and Laboratory Testing:
Water samples would be obtained after the purging of each well. The samples would be tested in our State-certified laboratory for Total Petroleum Hydrocarbons as gasoline, and Benzene/Toluene/Xylene (BTXE) content using RWQCB procedures.

FEES AND SCHEDULE

Our charges for the installation of four groundwater monitoring wells, sampling and testing are estimated to be \$9,000 per our Proposal PR89082 (already authorized). Charges for installation of the two pipeline leak detectors will be billed at subcontract cost plus 15% handling fee. Our quoted fees do not include future periodic monitoring fees for water sampling and testing.

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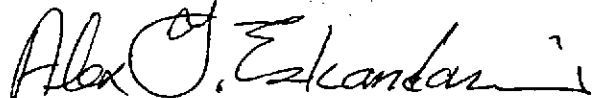
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We plan to install the proposed wells and leak detectors upon receipt of your authorization to proceed with the revised workscope.

If you have questions concerning this addendum proposal, please contact us.

Respectfully submitted,

BSK & Associates


Alex Y. Eskandari, P.E.
Manager - Geotechnical Services

AYE:sm

Enclosures:

Site Plan
Azonic Proposal for Line Leak Detectors

cc: Mr. Scott Seery
Alameda County Department of Environmental Health
Hazardous Material Division
80 Swan Way, Room 200
Oakland, California 94621

Mr. Frank Tien
20405 Redwood Road
Castro Valley, California 94546

Accepted and Authorized by:

Company: R.T. Nahas Company/Eden Managements

Name: _____

Title: _____

Signature: _____

Date: _____

Probable
Direction of
Groundwater Flow

W-4 300 Gallon
Used Oil Tank

Frank Tien Union 76
20405 Redwood Road
Castro Valley, CA
Service Station Building

W-1

10,000 Gal. Super Unleaded Gasoline Tank
10,000 Gal. Unleaded Gasoline Tank
Fill Nozzles

Vent Line

Concrete

West Pump Island

W-3

Pump Lines

East Pump Island

W-2

Asphalt

Location of Proposed Monitoring Facility Installation (MFI)

Scale: 1" = 10'



Sign and Planter

SIDEWALK

REDWOOD ROAD

FIGURE 1 - SITE SKETCH PROPOSAL PR89082
September 1989