



April 19, 1993

Mr. John Williamson
1511 Wellington Street
Oakland, CA 94602

SUBJECT: PROPOSAL - ADDITIONAL ON-SITE ACTIVITIES
John's Mobil
3635 13th Street
Oakland, California

Dear Mr. Williamson:

In response to the enclosed March 11, 1993 letter from the Alameda County Health Care Services Agency (ACHCSA), Aqua Science Engineers (ASE) is pleased to submit this proposal which will fulfill the requirements as prescribed in the afore-mentioned letter. This proposal will detail three distinct tasks: TASK 1 - Overexcavation and Offhaul of Contaminated Soil; TASK 2 - Hydraulic Lifts Removal and Disposal; and TASK 3 - Groundwater Investigation.

TASK 1

As the ASE Tank Removal Report dated January 20, 1993 detailed, the subject site has significant soil contamination in the area of the former Waste Oil Tank. As ACHCSA has recommended, further soil excavation is necessary, and it is the opinion of ASE that off-site disposal of these contaminated soils would be the most efficient, cost-effective form of remediation.

SCOPE OF WORK

demolish bldg!

- 1) Remove and dispose of office and shop building materials, concrete slabs, and associated ground cover. This task includes securing all appropriate permits.
- 2) Provide necessary equipment and personnel to overexcavate waste-oil contaminated soils within the area of the former waste-oil tank. This task assumes approximately 75 tons of soil will need to be removed, and can be completed within one day.

- 3) Stockpile the overexcavated material on site and cover with plastic.
- 4) Collect soil samples from within the new excavation pit, and from the stockpiled material. This sample collection and subsequent analytical testing will verify that overexcavation activities of contaminated soil have been successful and complete. Soil samples will be analyzed at a CAL-EPA certified environmental laboratory for the following constituents: Total Petroleum Hydrocarbons (TPH) as ~~Diesel~~, the fractions BTEX, and Oil and Grease. *+ total Pb + 8010 gasoline*
- 5) Upon receipt of favorable analytical results of soil samples, the excavation will be backfilled with clean, imported fill and compacted.
- 6) Disposal of contaminated soil at a local facility licensed to accept hazardous material. This task includes sampling for profile, transportation, and disposal fees.
- 7) Preparation of a report detailing the methods and findings of the above-referenced scope of work.

COSTS

The following costs assume: (1) removal and disposal of approximately 75 tons of contaminated soil; (2) backfilling and compaction of approximately 75 tons, and (3) the field activities consist of no more than 2 days.

Site Demolition, Debris Disposal, Permits	\$6,875.00
Excavation of Contaminated Soil	\$2,175.00
Disposal of Contaminated Soil (per ton)	\$137.80
Backfilling and material (per ton)	\$26.00

TASK 2

This task involves the removal and disposal of the hydraulic lifts and associated hardware that presently exists on site.

SCOPE OF WORK

- 1) Excavate around, remove, and inspect hydraulic lifts.
- 2) Properly transport and dispose of lifts and hardware at an appropriately licensed facility.

- 3) Collect soil samples in area of former lifts. Soil samples will be analyzed at a CAL-EPA certified environmental laboratory for the following constituents: Total Petroleum Hydrocarbons (TPH) as Diesel. ^{TPH as HF} ?
- 4) Backfill excavation with a combination of existing excavated soil (assuming clean), and clean imported material.
- 5) Preparation of a report detailing the methods and findings of the above-referenced scope of work.

COSTS

All Task 2 items as described above \$5,020.00

TASK 3

Installation of three (3) groundwater monitoring wells on site to be used for quarterly groundwater sampling and chemical analysis.

SCOPE OF WORK

- 1) Prepare Workplan and Health and Safety Plan for approval by Alameda County Health Care Services Agency.
- 2) Obtain all necessary permits from appropriate agencies. *map w/3 mws?*
- 3) Install three (3) monitoring wells on site making certain that one of the wells is located within ten feet of the primary source of soil contamination in the assumed downgradient position.
- 4) Sample and analyze the groundwater from the three monitoring wells at a CAL-EPA certified environmental laboratory for all or a combination of the following constituents: Total Petroleum Hydrocarbons (TPH) as Gasoline, ~~TPH as Diesel~~, the fractions BTEX, and Oil and Grease.
 + (soluble) Pb + 8010.
- 5) Prepare a report detailing the methods and findings of the groundwater investigation.

COSTS

All Task 3 items as described above \$14,950.00

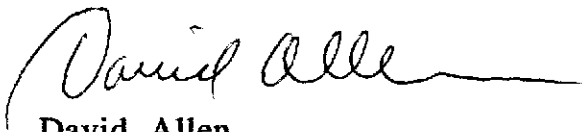
Task 3 calls for the installation of 3 groundwater monitoring wells based on ACHCSA requirements. It is possible that the number of wells could be reduced to two or even one well if further groundwater gradient information regarding the immediate area can be found. Should ASE find such information, the future groundwater investigation workplan would reflect a change in number of proposed wells. If approval is granted by the ACHCSA, then ASE would surely adjust its cost for Task 3.

Also, all of these tasks can be performed in phases which would limit the amount of money needed at any given time. For instance, the excavated soil can remain on site for a short period of time prior to offhaul and disposal - as long as it is covered and secured. Equally, the monitoring well project could be scheduled for some time later in the year when the site has been cleaned up. As long as some form of remediation is being conducted at the site on a month to month basis, the ACHCSA will not have a problem with spreading the project out over several phases/months.

Aqua Science Engineers appreciates the opportunity to provide you with this quotation. We look forward to further assisting you with your environmental needs. Should you have any questions or comments, please feel free to give us a call at (510) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

A handwritten signature in cursive script that reads "David Allen". The signature is written in black ink and has a long, horizontal flourish extending to the right.

David Allen
Project Manager

Enclosure: Copy of ACHCSA Letter