March 17, 1997

EXCAVATION AND AERATION OF CONTAMINATED SOIL PROPOSAL

at
807 75th Street
Oakland, California

PROPOSAL 97-1314

Prepared for:

Mr. Allen Kanady
Omega Termite
807 75th Avenue
Oakland, CA 95621

Prepared by:

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1.0 INTRODUCTION

All Environmental Inc. (AEI) has prepared this work plan on behalf of Mr. Allen Kanady in response to his request for a site remediation proposal. This proposal describes activities to be performed for the removal of contaminated soil from the former underground storage tank excavation and the subsequent remediation of the soil via aeration. This proposal includes activities required by the Alameda County Health Care Services Agency (ACHCSA) in their November 7, 1996. A workplan for the excavation and aeration project was previously submitted and approved by the ACHCSA.

2.0 AEI'S CAPABILITIES

The staff at AEI has many years as experienced contractors and are familiar with all aspects associated with the removal of underground storage tanks and subsequent remediation activities. All of our construction projects are supervised by qualified engineers who know how to interact productively with the clients, regulatory inspectors, and any agents involved in the project. All aspects in our field operations are conducted by trained technicians who are certified per the mandatory 40 hour training safety program as specified in the OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910). Our staff includes a California State registered Professional Chemical Engineer, Civil Engineer, Geologist and a Mechanical Engineer. AEI holds a Class A Contractors License (# 654919), with a Hazardous Substance Removal and Remedial Action Certificate.

"Contractors are required by law to be licensed and regulated by the Contractors' State License Board. Any questions concerning a contractor may be referred to the Registrar, Contractors' State License Board, 3132 Bradshaw Road, Sacramento, California. Mailing Address: P.O. Box 26000, Sacramento, California 95826."

3.0 TECHNICAL APPROACH

AEI will provide a full turnkey operation in removing and aerating the contaminated soil. All work will be performed in accordance with all local, state, and federal regulations. AEI will carry out the following tasks in order to complete the project:

DAY 1: Dewater Excavation

- Obtain and analyze water sample from the current excavation;
- Obtain approval from the RWQCB;
- Design filter system for water discharge;
- Remove all water from excavation and discharge directly into sanitary sewer system;

DAY 2: Excavate Contaminated Soil (Based upon removal of 130 cubic yards)

- Excavate contaminated soil from sidewalls of excavation;
- Excavate additional soil from beneath former 500 gallon gasoline tank;
- Collect confirmation soil samples from the excavation walls;
- Stockpile the excavated soil on visqueen;
- Sample the excavated soil for analyses at a State Certified Laboratory;
- Analyze confirmation and stockpiled soil samples for:

  ⇒ TPH as gasoline (EPA method 5030/8015);
  ⇒ BTEX and MTBE (EPA method 5030/8020) and
  ⇒ Total Lead (EPA method 6010);

DAY 3: Partial Backfill of Excavation

- Backfill excavation with pea gravel to bridge groundwater interface.

DAY 4: Prepare Soil for Remediation

- Obtain BAAQMD permit for the aeration of the soil;
- Design aeration cell system;
- Spread and till contaminated soil to promote aeration;
- Obtain OVM readings during spreading and tilling for baseline readings and personnel protection;
- Provide fencing around aerating soil.

DAY 5, 6, 7: Soil Tilling

- Till soil to promote aeration;
- Obtain OVM readings during spreading and tilling for baseline readings and personnel protection;

DAY 8: Confirmation Soil Sampling (Based on the collection of 6 soil samples)

- Design random sampling parameters for aeration cells;
- Obtain one soil sample per every 50 cubic yards of soil;
- Analyze soil samples to document successful remediation;
- Analyze confirmation soil samples for:

  ⇒ TPH as gasoline (EPA method 5030/8015);
  ⇒ BTEX and MTBE (EPA method 5030/8020).

DAY 9: Backfill and Compact Remediated Soil

- Backfill and compact excavation with remediated soil.

4.0 PROJECT COST

AEI will provide all labor, equipment and supplies to perform the above outlined items for a total cost of $16,050.00. This cost is based upon the following assumptions:

- No utility repair.
- No more than 9 days in the field.
- Based upon 1 day for spreading soil and 3 additional days of tilling the soil.
- All excavating is performed on private property.
- No compaction testing.
- Groundwater is acceptable for disposal into the sanitary sewer.
- Based on the aeration of approximately 250 cubic yards of material.

5.0 TERMS AND CONDITIONS

30% of the fixed part of the contract amount will be due prior to initiation of the project. 60% due upon the completion of each phase of the field work. The remaining 10% of the fixed part of the proposal amount will be due upon completion and delivering of the final report and final invoice. Client agrees to pay interest (1.5%) per month on any and all balances not paid by the date of receiving the final report. Client will also agree to pay court costs, attorney fees, and any expenses incurred by All Environmental in the event the client does not pay the final invoice and litigation or collection procedures begin.

This proposal constitutes a firm offer to conduct business with All Environmental. A signed copy of the Authorization to Proceed should be returned to All Environmental to initiate this proposal.