

ALL ENVIRONMENTAL, INC.
 2641 CROW CANYON BLVD., SUITE 5
 SAN RAMON, CA 94583
 (510) 820-3224
 FAX: 838-2687

FAX TRANSMITTAL SHEET

TO: Brian Oliva

FAX NUMBER: 569-4757

FROM: Craig Hertz

MESSAGE: _____

DATE: 12/8/93 NO. OF PAGES (including cover page): _____

ALL ENVIRONMENTAL, INC.

Environmental Engineering & Construction

2641 Crow Canyon Rd., Ste. 5 • San Ramon, CA 94583 • (510) 820-3224

December 8, 1993

Alameda County Health Care Services Agency
Attn: Brian Olivia
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Olivia:

The property located at 67 King Avenue in Piedmont has a 1500 gallon home heating fuel oil underground storage tank located on the southeastern end of the property. The tank is located under a large old oak tree, making it impossible to remove the fuel oil tank. All Environmental recommends the closing of the tank in place.

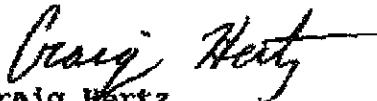
All Environmental, Inc. (AEI) will close in place a 1500 gallon home heating fuel tank at the residential property located at the above address. Soil samples will be taken from the native material, two feet below the center of the tank by use of a hand auger. This soil sampling will be performed under the direction of the Alameda County Health Care Services Agency inspector.

All Environmental will excavate to the top of the tank, cut an 18 inch diameter hole in the top of the tank, triple rinse the tank, and sample the rinsate material inside the tank. Upon confirmation that the laboratory results yield less than 100 ppm of TPH-diesel and BTEX, the tank will be filled with a portland slurry and the excavation will be backfilled to match the surrounding conditions.

Upon completion of the field work, All Environmental will prepare a final report that details the methods and findings of the tank closure.

If you have any questions, please contact me at (510) 820-3224.

Sincerely,
ALL ENVIRONMENTAL, INC.


Craig Hertz
Vice President

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HEALTH AND SAFETY PLAN

Prepared for:

Bob Leefeldt
67 King Avenue
Piedmont, CA 94611

LEVEL C:

Half face respirator / Hard hat / Safety glasses / Steel toe boots
Coveralls / Gloves.

LEVEL D:

Coveralls / Hard hat / Safety Glasses / Steel toe boots / Gloves.

If air purifying respirators are authorized, Organic vapor/ w-
filter is the appropriate canister for use with the involved
substances and concentrations. A competent individual has
determined that all criteria for using this type of respiratory
protection have been met.

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE
WITHOUT THE APPROVAL OF THE SITE SAFETY OFFICER.

F. MONITORING INSTRUMENTS

The following environmental monitoring instruments shall be used on
site at specified intervals.

Lower Explosive Limit (LEL) Meter that will also check the tank for
Oxygen levels will be used to check the tank for transportation.

G. EMERGENCY HOSPITAL

The closest hospital with an emergency room is:

HIGHLAND HOSPITAL (510) 534-8055

DIRECTIONS FROM THE JOB SITE:

EXIT JOBSITE AND GO:

**SOUTH ON KING
LEFT DOWN HAMPTON
RIGHT ON INVERLEITH
RIGHT ON ESTATES
RIGHT ON PARK BLVD.
LEFT ON EAST 31ST
RIGHT INTO HOSPITAL**

Steve DeHope has been designated to coordinate access control and security on site. All work will strictly follow OSHA guidelines. A safe perimeter has been established at a three foot radius surrounding the site. These boundaries are identified by yellow caution tape and orange safety cones. Personnel shall maintain the maximum distance from the pit while performing their duties. No one shall enter an excavation pit that is greater than five feet in depth and no one shall climb on the stockpiled material. If the excavation exceeds 5 feet in depth, then adequate shoring will be installed to ensure the safety of the personnel. Additional hazards on site include heavy equipment and overhead lifting equipment. Heavy equipment used for performing the tank removal project may include a backhoe, an excavator, or a crane for lifting the tank out of the excavation. Only 40 hour trained personnel will operate equipment or perform any duty associated with this project. A hard hat and steel toed boots are mandatory for all personnel associated with the tank removal. The excavation will be properly sloped for stability, safety, and personnel entry in needed. The site will be inspected on a daily basis for safety and potential cave-ins.

A FIRST AID KIT AND AT A 40 POUND BC FIRE EXTINGUISHER WILL BE AVAILABLE ON SITE.

EMERGENCY SERVICES ARE AVAILABLE BY DIALING 911 ON THE TELEPHONE LOCATED IN THE PROJECT MANAGER'S VEHICLE. THIS VEHICLE WILL BE ON SITE AT ALL TIMES.

E. PERSONAL PROTECTIVE CLOTHING

Based on evaluation of potential hazards, level 'D' protective clothing has been designated as the appropriate protection for this project. The level of protective clothing will be upgraded if the organic vapor levels in the operator's breathing zone exceeds 5 ppm above background levels continuously for more than five minutes. If this occurs then level C protection will be used. If the organic concentration in the operator's breathing zone exceeds 200 ppm for 5 minutes and/or the organic vapor concentration two feet above the excavation exceeds 2,000 ppm or 25% of the lower explosive limit, then the equipment will be shut down and the site evacuated. If organic vapor concentrations exceed 200 ppm and work continues then level A or B protection will be required.

"EPA Standard Operating Safety Guidelines" defines the levels of protective clothing as follows:

LEVEL A:

Fully encapsulating suit / SCRA / Hard hat / Steel toe boots / Safety gloves.

LEVEL B:

Splash resistant suit / SCBA / Hard Hat / Steel toe boots / Safety gloves.

D. HAZARD EVALUATION

Potential chemical hazards include skin and eye contact or inhalation exposure to potentially toxic concentrations of hydrocarbon vapors. The potential toxic compounds that may exist at the site are listed below with descriptions of specific health effects of each. The list includes the primary potential toxic constituents that may be found in home heating diesel fuel.

1. Benzene

- a. Colorless to light yellow, flammable liquid with an aromatic odor.
- b. Exposure may irritate eyes, nose and respiratory system and may cause acute restlessness, convulsions, nausea, or depression
- c. Permissible exposure level (PEL) for a time weighted average (TWA) over an eight hour period is 1.0 ppm.

2. Toluene

- a. Colorless liquid with a sweet pungent, benzene like odor.
- b. Exposure may cause fatigue, weakness, confusion, euphoria, dizziness, headaches, dilated pupils, lacrimation, nervousness, insomnia, paresthesia, and dermatitis.
- c. Permissible exposure level for a time weighted average over an ten hour period is 100 ppm.

3. Xylene

- a. Colorless liquid with an aromatic odor.
- b. Exposure may irritate eyes nose and throat and may cause dizziness, excitement, drowsiness, incoordination, corneal vacuolization, anorexia, nausea, vomiting, and dermatitis.
- c. Permissible exposure level for a time weighted average over an ten hour period is 100 ppm.

4. Ethylbenzene

- a. Colorless liquid with an aromatic odor.
- b. Exposure may irritate eyes and mucous membrane and may cause headaches, dermatitis, narcosis and loss of consciousness.
- c. Permissible exposure level for a time weighted average over an ten hour period is 100 ppm.

5. Lead

- a. A heavy ductile soft grey metal.
- b. Exposure may cause weakness, nausea, lassitude, diarrhea, insomnia, anorexia, inflamed mucous membranes and abdominal pains. Lead is carcinogenic.
- c. Permissible exposure level for a time weighted average over an eight hour period is .05 ppb.

A. INTRODUCTION

This Site Specific Health and Safety Plan is written for the tank removal project located at the residential property, owned by Bob Leefeldt. All job site personnel will follow CAL OSHA safe operating practices as outlined in 29 CFR 1910 and 1926, as well as established guidelines set forth by All Environmental, Inc. or their respective companies.

B. WORK DESCRIPTION

Prepared by: Craig Hertz (Vice President)

Site Manager: Steve DeHope

Start Date: December 7, 1993

Address: 67 King Avenue
Piedmont, CA 94611

Scope of Work: All Environmental, Inc. (AEI) will close in place a 1500 gallon home heating fuel tank at the residential property located at the above address. Soil samples will be taken from the native material, two feet below the center of the tank by use of a hand auger. All Environmental will excavate to the top of the tank, cut an 18 inch diameter hole in the top of the tank, triple rinse the tank, and sample the rinsate material inside the tank. Upon confirmation that the laboratory results yield less than 100 ppm of TPH-diesel and BTEX, the tank will be filled with a portland slurry and the excavation will be backfilled to match the surrounding conditions.

C. SITE/WASTE CHARACTERISTICS

Hazard Level: Serious: Low: XXX
 Moderate: XXX Unknown:

Waste Type: Solid: Underground Storage Tank
 Sludge: None
 Liquid: Remaining Product inside Tank
 Gas: None

Hazard Characteristics: Combustible, Toxic

There will be a three foot boundary surrounding the excavation pit and the stockpiled material. The area within this boundary is considered an exclusion zone and only qualified personnel will be allowed to enter. All personnel arriving or departing the site should log in before entering the exclusion zone. All activities on site must be cleared through the Project Manager.

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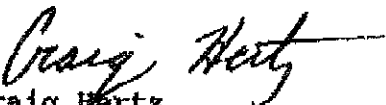
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