



Texaco Refining
and Marketing Inc

108 Cutting Boulevard
Richmond CA 94804

HAZMAT

94 AUG -5 PM 12:03

August 1, 1994

ENV - STUDIES, SURVEYS & REPORTS
1127 Lincoln Avenue, Alameda, CA
Addendum to Work Plan

Ms. Juliet Shin
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Dear Ms. Shin:

Texaco Environmental Services (Texaco) has prepared this letter to address comments received from the Alameda County Health Care Services Agency (ACHCSA) in letters dated March 15, June 6, and July 21, 1994 requesting modifications to the workplan (RESNA Industries, Inc., dated February 22, 1994) for additional subsurface soil and groundwater assessment at the subject site. The comments will be addressed in the order presented in the ACHCSA letter dated March 15, 1994.

1. The use of the core-hole program sampling methodology was selected to obtain the maximum cost effective amount of soil and groundwater data for the down gradient site vicinity. The data collected will allow assessment of soil and groundwater conditions for the city block down gradient of the site. The workplan specifies that two of the six proposed core-hole locations, with non-detectable concentrations for total petroleum hydrocarbon as gasoline (TPHg), and benzene, toluene, ethylbenzene, and xylenes (BTEX) from groundwater "grab" samples analyzed, will be completed as groundwater monitoring wells. These wells will allow for the monitoring of the down gradient "zero line" for the groundwater hydrocarbon plume. The two wells will be added to the current quarterly groundwater monitoring and sampling program for the site.

Your concern for the investigation of groundwater immediately down gradient of the known hydrocarbon plume is well taken. Texaco concurs with your suggested location for a down gradient well. A site visit has confirmed the possible well location at 1617 Bay Street you noted.

2. The potential for preferential migration of hydrocarbons

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along the utility lines located beneath the center of Bay Street is present. However, the current groundwater data does not immediately suggest this migration has occurred. Groundwater data from monitoring well MW-7 historically report concentrations for TPHg and BTEX at below the analytical detection limits. This well is located cross- and slightly up-gradient from the former underground storage tanks (USTs) and dispenser island. Groundwater data from monitoring wells with elevated concentrations for TPHg and BTEX located adjacent to and/or down gradient of the former USTs should be expected at this site. Concentration in groundwater samples should be detected at lesser concentration in cross gradient wells.

Direct investigation along the buried utility lines is a dangerous proposition, especially if the sewer lines are of clay pipe materials. Identification of the pipes location close enough to satisfy safety requirements for drilling are difficult. However, to gather additional information for site assessment and indirectly investigate the potential for plume migration along the utility lines, three proposed core-hole locations have been added to gather soil and groundwater data from the east and west sides of Bay Street (See Attached).

3. Upon receipt of the groundwater sample analytical results from the core-hole sampling program, Texaco will have a figure prepared with the proposed location for the three new monitoring wells (two from core-hole location, one at 1617 Bay Street) for submittal in a short well installation workplan for the ACHCSA review and approval.
4. Groundwater monitoring well drilling, construction and installation will be conducted according to ACHCSA requirements, Alameda County Water District permit requirement, and field protocol as presented in the workplan.

Texaco is prepared to proceed with the proposed scope of work upon receipt of written approval from the ACHCSA. Please note, however, that prior to installing a well at 1617 Bay Street, Texaco must procure a license agreement from that property owner-- a process that may take several weeks.

Also, please note that I am the new Texaco project coordinator for 1127 Lincoln in Alameda, CA, replacing Robert Robles; Tom Hargett, to whom the June 6 and July 21 letters referenced above were addressed has never been involved with this site. Although I have tried to contact you by phone several times while formulating a response to your letters, the number on your letterhead (which is

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also listed with the telephone directory service) has always been busy. For your information, of the two new contact numbers you listed on your July 21, 1994 correspondence, the first, 510-337-2874 just rings (no one answers), and the second, 510-337-2864, has been changed to 510-567-6700.

If you have any questions or concerns regarding the subject site or this work plan amendment, please contact me by phone at (510) 236-9139 or by letter at 108 Cutting Blvd., Richmond, CA 94804.

Best Regards,




Karen E. Petryna
Environmental Project Coordinator
Texaco Environmental Services

KEP:hs
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Attachment

RICHfile-UCPfile(w/attach.) RRZielinski (w/o attach.)

PR: 

PACIFIC AVENUE

1617 BAY ST.

PROPOSED WELL

RESIDENTIAL PROPERTY

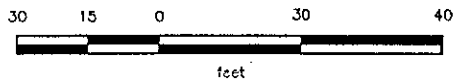
EXPLANATION

MW-8 = Groundwater monitoring well (RESNA, March 1991 and June 1992)

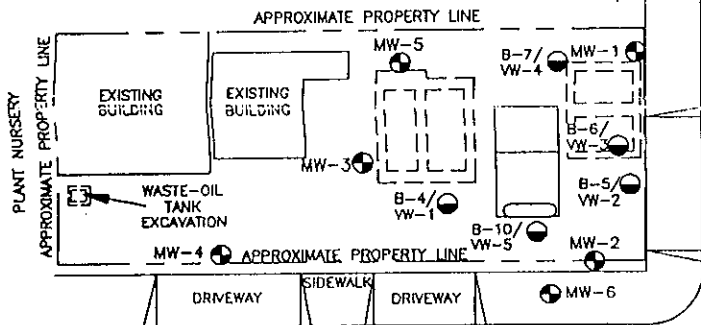
B-10/
VW-5 = Vapor well

● = Approximate proposed coring locations

Approximate Scale



Source: Surveyed by Ron Archer, Civil Engineer, Inc. March 1991.



BAY STREET

LINCOLN AVENUE



PROPOSED CORING LOCATIONS
Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

PLATE

3

PROJECT 62074.04