



A RESNA Company

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Working To Restore Nature

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**TRANSMITTAL**

TO: MS. SUSAN HUGO  
ALAMEDA COUNTY HEALTH CARE  
SERVICES AGENCY - DEH  
80 SWAN WAY, ROOM 200  
OAKLAND, CALIFORNIA 94621

DATE: 1/27/92  
PROJECT NUMBER: \_\_\_\_\_  
SUBJECT: ARCO STATION 6113 AT  
785 EAST STANLEY BOULEVARD, LIVERMORE,  
CALIFORNIA

FROM: JOEL COFFMAN  
TITLE: PROJECT GEOLOGIST

WE ARE SENDING YOU  Attached  Under separate cover via \_\_\_\_\_ the following items:  
 Shop drawings  Prints  Reports  Specifications  
 Letters  Change Orders  \_\_\_\_\_

COPIES	DATED	NO.	DESCRIPTION
1	1/27/92		RESPONSE TO LETTER DATED JANUARY 10, 1992
			CONCERNING THE RECENTLY SUBMITTED WORK PLAN FOR
			ADDITIONAL SUBSURFACE INVESTIGATION AND VET
			AND THE 3RD QUARTER 1991 GROUNDWATER MONITORING
			REPORT FOR THE ABOVE SUBJECT SITE.

THESE ARE TRANSMITTED as checked below:

- For review and comment  Approved as submitted  Resubmit \_\_\_ copies for approval
- As requested  Approved as noted  Submit \_\_\_ copies for distribution
- For approval  Return for corrections  Return \_\_\_ corrected prints
- For your files  \_\_\_\_\_

REMARKS: CC: C. CARMEL, ARCO PRODUCTS COMPANY  
C. WINSOR, ARCO PRODUCTS COMPANY  
E. SO, REGIONAL WATER QUALITY CONTROL BOARD  
J.P. MECH, ARCO PRODUCTS COMPANY, LEGAL DEPT.  
M. THOMSON, ALAMEDA COUNTY DISTRICT ATTORNEY'S OFFICE  
D. STEFANI, CITY OF LIVERMORE FIRE DEPARTMENT

Copies: 1 to project file no. \_\_\_\_\_

\*Revision Date: 11/21/91  
\*File Name: TRANSMT.PRJ



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January 27, 1992  
0127shgo

Ms. Susan Hugo  
Alameda County Health Care Services Agency  
Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, California 94621

Subject: Response to Letter dated January 10, 1992 concerning the recently submitted Work Plan (RESNA, October 17, 1992) for Additional Subsurface Investigation and Vapor Extraction Test and the Third Quarter 1991 Groundwater Monitoring Report at ARCO Station 6113, 785 East Stanley Boulevard, Livermore, California.

Dear Ms. Hugo:

This letter is submitted as follow up to our telephone conversation today and in response to the subject letter. This letter will attempt to satisfy the conditions required in your letter before approval of the work plan is granted.

- 1) Please clarify the number of underground storage tanks currently operating at the site. According to your reports and site description, there are four underground storage tanks. However, our records showed that only three underground storage tanks are registered with this office.**

According to ARCO, the correct number of underground storage tanks at the site is three, as your records show, not the four which is a mistaken number taken from a previous report.

January 27, 1992

- 2) **Additional soil borings are required to define the lateral extent of the waste oil contaminants. Elevated levels of oil and grease (1,100 ppm) remain at the site in the vicinity of the station building. Advancement of soil borings around the former waste oil tank (one in the southeast and one in the southwest) is necessary to complete the waste oil contaminant definition.**

As we discussed during our telephone conversation, an Addendum to the Work Plan will be prepared and submitted to your office for review and approval within 30 days. This Addendum to the Work Plan will address this specific concern and additional concerns from your letter of 01-10-92.

- 3) **Directional variations in the groundwater gradient at the site (180 degrees at the most) have been documented. Monitoring of groundwater elevations must occur on a monthly basis.**

Monthly groundwater elevations have been ongoing at this site since February 1991 and will continue.

- 4) **Please submit a copy of the site safety plan to this office.**

Upon review and approval of the forthcoming Addendum to the Work Plan, a copy of the site safety plan will be forwarded to your office.

- 5) **All applicable permit requirements from other regulatory agencies must be followed.**

Proper permits will be obtained before work commences at the site.

- 6) **Analytical result for total oil and grease (TOG) during the May 29, 1991 sampling event showed < 75,000 ppb. The Tri-Regional Board's Guidelines (August 1990) requires a quantitation reporting limit of 5,000 ppb in water for TOG analysis. This detection limit should be followed.**

The required TOG detection limit will be requested from the laboratory upon submittal of groundwater samples for analysis.

January 27, 1992

- 7) **The extent of groundwater contamination at the site has not been completely delineated. MW-3 showed increasing levels of TPHg, benzene, toluene, ethylbenzene, and xylenes during the last two sampling events (2/21/91 and 5/20/91). MW-4 detected 1,400 ppm TPHg (5/20/91). MW-3 and MW-4 were dry during monthly groundwater elevation measurement of 9/12/91. Additional groundwater monitoring wells must be installed downgradient of the former waste oil tank at the site and the groundwater samples must be analyzed for TPHg, BTEX, TPHd, and TOG.**

This point of concern will also be addressed in the above-described Addendum to the Work Plan to be submitted to your office for review within 30 days.

If you have any questions or comments, please call us at (408) 264-7723. Thank you.

Sincerely,  
RESNA



Joel Coffman  
Project Geologist

cc: Chuck Carmel, ARCO Products Company  
Chris Winsor, ARCO Products Company  
Eddy So, Regional Water Quality Control Board  
J.P. Meck, ARCO Products Company, Legal Division  
Mark Thomson, Alameda County District Attorney's Office  
Danielle Stefani, City of Livermore Fire Department