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AllWest Environmental, Inc.  
Specialty Environmental Due  
Diligence and Remedial Services  
One Sutter Street, Suite 600  
San Francisco, Ca 94104  
Tel 415.391.2510  
Fax 415.391.2008

January 24, 1994

shd 4584

Ms. Eva Chu  
Alameda County Environmental Health Department  
80 Swan Way, Room 220  
Oakland, CA 94621

**Subject: Addendum to Workplan for Groundwater Monitoring Well Installation  
3080 Broadway, Oakland, California  
AllWest Project No. 93337.23**

Dear Ms. Chu:

This letter presents additional work elements for a workplan proposing the installation of one groundwater monitoring well at the subject property. This addendum to the subject workplan was prepared pursuant to your review comments transmitted to us during a telephone conversation on January 21, 1994. The additional work elements have been discussed with and accepted by our client, Mr. Gerald Shirar. We will implement the workplan and this addendum once we received your approval. The following are detailed descriptions of the additional work elements.

**A1. Review of Off-Site Groundwater Monitoring Well Data**

To ensure the proposed on-site groundwater monitoring well near the former tank pit will be installed in a hydraulically down-gradient location, AllWest will conduct a review of groundwater monitoring well data generated from off-site wells in the vicinity of the subject property. Special attention will be focused on the nearest fuel leak site, Connell Oldsmobile, at 3093 Broadway, where several groundwater monitoring wells are installed.

**A2. Location of Proposed On-Site Groundwater Monitoring Well**

The proposed on-site well will be located down-gradient from the former tank pit dependent on the results of off-site well data review. The initial proposed well location was based on the regional flow direction of southeast. If the review indicates local flow deviates significantly from the regional flow, the final proposed well location will be changed. A revised well location plan will then be submitted to Alameda County for concurrence prior to well installation.

### A3. Determination of Groundwater Gradient

To verify that the proposed groundwater monitoring well has been installed at a down-gradient location, the gradient and flow direction of local groundwater will be measured after the well installation. To triangulate the local groundwater flow, data from two off-site wells will be collected along with the one on-site well. The two off-site wells will be selected based on the review of well data of near-by fuel leak sites.


At each on-site sampling event, groundwater level measurements will be taken in the two selected off-site wells. To ensure the measurements represent the groundwater level of the same aquifer, the purging parameters (conductivity, pH, and temperature) of the two off-site wells will also be monitored during the initial sampling event.

The well head elevations of the three wells, which will be used to calculate the groundwater gradient, will be surveyed to the nearest one-hundredth of a foot and will be based on mean sea level datum. Information on groundwater flow direction and gradient will be included in the well installation report and all subsequent groundwater monitoring reports.

With the inclusion of this addendum, we trust the subject workplan now meets the requirements of Alameda County. Should you have questions regarding this letter or the proposed project, please call me at (415) 391-2510.

Sincerely,

**AllWest Environmental, Inc.**



Long Ching, PE  
Senior Project Manager

LC/bms

cc: Mr. Gerald Shirar

7215 Pleasant Valley Rd  
Vacaville, 95688

December 1, 1993

Ms. Eva Chu  
Alameda County Department of Health Services  
80 Swan Way  
Room 200  
Oakland, California 94621

Dear Ms. Chu:

Please find enclosed one (1) copy of the Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report for the Versar Inc. job site located at 3080 Broadway in Oakland, California.

If you have any questions or comments, please call me at (916) 962-1612.

Sincerely,



Vernon P. Elarth  
Geologist

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November 23, 1993

Ms. Eva Chu, Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
80 Swan Way, Room 200  
Oakland, California 94621

Reference: Underground Storage Tank Removal at 3080 Broadway, Oakland,  
California 94611; Versar Project No. 2082-001

Dear Ms. Chu:

In response to your letter of November 5, 1993 to Mr. Gerald Shirar regarding the disposal of overburden soil following the removal of the underground storage tank from the subject facility. A copy of the non-hazardous special waste manifest is included as Attachment I. The overburden soil was removed from the site as of July 3, 1993, for disposal at the B.F.I, Vasco Road Landfill in Livermore, California.

If you require any additional information regarding this project, please do not hesitate to contact Versar at (916) 962-1612.

Sincerely,



Michael P. Sellens  
Manager, Geoscience Department

cc: Mr. Gerald Shirar



No. 1060351

# NON-HAZARDOUS SPECIAL WASTE MANIFEST

## GENERATOR

Generator Name Gerald Shirar Generating Location Gerald Shirar  
 Address 7215 Pleasant Valley Rd Address 3080 Broadway  
Vacaville, CA 95888 Oakland, CA

Phone No. 707 446 2262 Phone No. SAVE

3FI Waste Code <u>C A</u> Description of Waste <u>NON-HAZARDOUS SOIL</u>	Quantity <u>0007</u> Units <u>Y</u>	Containers No. <u>01</u> Type <u>T</u>	Type D - Drum C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
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I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Jim Chow for Gerald Shirar Signature [Signature] Shipment Date 080393

## TRANSPORTER

Truck No. 376/376E Phone No. (510) 834-8858 (805) 768-4766  
 Transporter Name Haydel Trucking Driver Name (Print) James Rogers  
 Address P.O. Box 216 Vehicle License No./State SP16157/DT99828  
P.O. Box 416 Vehicle Certification (407908) CAD05226624  
Hyton, CA 94514  
Folsom, CA 95630

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date 070393 Driver Signature [Signature] Delivery Date 070393

## DESTINATION

Site Name B.F.L. Vasco Rd., Landfill Phone No. 510-1171101  
 Address 4001 North Vasco Road, Livermore, CA 94550 JOB# 80942 POST CODE 10011

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 080393

PASS CODE \_\_\_\_\_

TRANSPORTER RETAIN

November 8, 1993

Ms Eva Chu  
Hazardous Materials Specialist  
Alameda County Health Agency  
80 Swan Way, Room 200  
Oakland, California 94621

Subject: Stockpiled Soil Generated During the Underground Storage Tank Removal  
Activities at 3080 Broadway, Oakland, California  
Versar Project No.: 2082-001

Dear Ms. Chu:

Enclosed are the additional documents you requested for the underground storage tank (UST) closure at 3080 Broadway in the City of Oakland, California. Prior to transport and disposal of the soil, samples were collected from the stockpile and submitted to Superior Precision Analytical Laboratory of San Francisco to be composited and analyzed for reactivity, corrosivity and ignitability. BFI Waste Systems of Livermore approved the waste for receipt and the soil was transported for disposal on August 3, 1993.

If you have any questions or require additional information regarding the UST closure, please contact me at (510) 748-6444.

Sincerely,



Aimee M. Chow  
Geoscientist

AMC/bmk  
Enclosures

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