

April 17, 1997  
Project No. RC0019.011

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Mr. Barney Chan  
Division of Hazardous Materials  
Department of Environmental Health  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Room 250  
Alameda, CA 94502

**SUBJECT:** Work Plan to Install Two Groundwater Observation Wells  
Former Penske Truck Leasing Facility  
725 Julie Ann Way, Oakland, California.

Dear Mr. Chan:

At the request of Penske Truck Leasing Company (Penske), I am sending you a copy of a work plan for the installation of two groundwater observation wells into the backfill of the former underground storage tank excavation at the above referenced former Penske facility. As we discussed during our telephone conversations of November 8 and November 15, 1996, and as presented to you in correspondence dated November 22, 1996, these groundwater observation wells will be installed to assess possible groundwater impacts within the former tank excavation backfill. These observation wells may also serve as potential locations for possible future addition of Oxygen Release Compound (ORC) or nitrate to enhance the natural biodegradation of petroleum hydrocarbons in the subsurface.

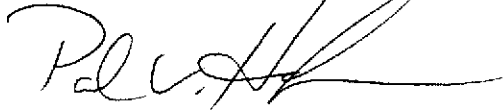
In order to increase the rate of removal of petroleum hydrocarbons from the former tank excavation backfill, Penske proposes to install the two 4-inch observation wells into the former tank backfill to be used for additional removal of petroleum hydrocarbons from the source area. These two observation wells will be installed at either end of the former tank excavation, and drilled and completed to the total depth of the tank backfill material (approximately 12 feet below the ground surface). These observation wells will be checked for liquid-phase petroleum hydrocarbons and vacuum-enhanced groundwater purging will be used to help remove dissolved-phase and liquid-phase petroleum hydrocarbons detected the former tank excavation area. It is anticipated that the two observation wells will be completed within the next month.



The decision on whether to use ORC™ or nitrate will be established after the installation of the two observation wells has been completed, after testing to see if liquid-phase petroleum hydrocarbons are present in the former tank backfill. The decision will also be based on the results of pilot tests currently being conducted by Geraghty & Miller on the use and results on biodegradation of petroleum hydrocarbons through the use of nitrate addition in brackish groundwater at another petroleum hydrocarbon site located near the Bay in Richmond. The results of this test will be available soon.

If you have further questions about this work plan, please do not hesitate to contact the undersigned.

Sincerely,  
GERAGHTY & MILLER, INC.



Paul V. Hehn, R.G.  
Project Geologist/Project Manager

cc: Mr. Richard G. Saut  
Penske Truck Leasing Co.

