



Linda S. Adams  
Secretary for  
Environmental  
Protection

# California Regional Water Quality Control Board Central Valley Region

Karl E. Longley, ScD, PE, Chair



Arnold  
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16 July 2007

Mr. Tom Harrison  
1502 Westbrook Court  
Modesto, CA 95358

### **SOIL AND GROUNDWATER INVESTIGATION, FORMER TUBZ BUILDING, 207 AND 211 SOUTH WASHINGTON STREET, SONORA, TUOLUMNE COUNTY**

I reviewed the 19 June 2007 *Site Investigation Work Plan (Plan)*, prepared by Apex Envirotech (Apex) for the above facility. The *Plan* was submitted to determine the extent of petroleum hydrocarbon contamination encountered in a Phase I Environmental Site Assessment Report. Boring GB-3 (see enclosed Apex Figure 3), located in front of 207 South Washington contained 510,000 micrograms per kilogram (ug/kg) total petroleum hydrocarbons as diesel (TPHd) and 380,000 ug/kg total petroleum hydrocarbons as gasoline (TPHg) in soil and 130,000 micrograms per liter (ug/L) TPHd and 3,000,000 ug/L TPHg in groundwater.

Apex proposes the following:

1. Advance three borings in the approximate locations shown on the enclosed Apex Figure 3.
2. Collect soil samples at 5-foot intervals and at obvious lithologic changes to 25-feet below ground surface (feet bgs).
3. Field screen soil samples using a photoionization detector (PID). The soil sample with the highest PID reading, the sample just above current groundwater levels, and the sample from the bottom of the boring will be submitted for analysis of TPHd by US EPA Method 8015M and for TPHg, benzene, toluene, ethylbenzene, total xylenes, TBA, MtBE, DIPE, ETBE, and TAME by EPA Method 8260B.
4. Install 2-inch diameter Schedule 40 PVC 0.02-inch slotted casing from approximately 10- to 25-feet bgs.
5. Develop the monitoring wells no sooner than 48-hours after completion, survey the wells, and sample the wells for the analyses described earlier.
6. Prepare a results report and quarterly groundwater monitoring report.

The *Plan* is approved. A report on the results of the soil and groundwater investigation is due **30 September 2007**. Quarterly monitoring is to continue until directed otherwise by this office. Quarterly Monitoring Reports are due by the end of the month following the end of the calendar quarter in which the samples are collected, and must contain sample results, conclusions, and make recommendations regarding the site.

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*California Environmental Protection Agency*

Each quarterly Monitoring Report should be completed in accordance with *Appendix A* of the *Tri-regional Board Staff Recommendations for Preliminary Investigation and Evaluation of Underground Storage Tank Sites*. A copy can be found under "Available Documents" in the Internet address in the letterhead of this letter.

All other applicable permits and clearances must be obtained prior to beginning field activities, you must comply with all applicable Tuolumne County directives, and all reports and correspondence are to be submitted for review to the Tuolumne County Environmental Health Department and the Central Valley Regional Water Quality Control Board, Sacramento.

You may qualify for reimbursement of investigation and corrective action costs associated with this work by the State Water Resources Control Board, Underground Storage Tank Cleanup Fund (Fund) if the contamination encountered is from an underground storage tank on the property. You may contact Mark Owens at the Fund to inquire about your situation. Mr. Owens can be reached at (916) 341-5796.

You can contact me at (916) 464-4629 or I can be reached by e-mail at [pminkel@waterboards.ca.gov](mailto:pminkel@waterboards.ca.gov).



Peter G. Minkel, P.G.  
Engineering Geologist

Enclosure: Apex Figure 3

cc: Mark Owens, State Water Resources Control Board, UST Cleanup Fund, Sacramento  
Sylvia Mireles, Tuolumne County Environmental Health Department, Sonora  
Drew Van Allen, Apex Envirotech, Inc, Turlock