

AUGER'S

March 20, 1995

Mr. Barney Chan
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Ste 250
Oakland, California 94502-6577

VIA FACSIMILE TRANSMISSION

**RE: Comments Concerning 3/16/95 Work Plan for Additional
Investigation at Youngs Cleaners**

Dear Mr. Chan:

I have prepared the following comments in response to our conversation today about the proposed additional investigation at the subject site.

(1) Construction of the wells:

The three new wells will be installed to depths of about 30 feet. Their exact depths will be dependent on the depth to first ground water. I propose to place 10 feet of screen in each well. According to their logs, the bases of the two existing wells AMW-2 and AMW-3 in this area are in a clayey silt-to-silty clay aquitard. The water bearing formation that overlies this aquitard is characterized by silty clay that contains some coarse sandy lenses.

The 10-foot screen lengths are consistent with the heavier than water PCE contaminant at this site. Because PCE sinks in water, we expect the greatest concentration to occur near the bases of the wells. Thus, we believe that the proposed 10-foot screen lengths will be adequate to sample the contaminants in the shallow aquifer.

(2) Assessment of vertical extent of ground water contamination:

During this phase of the investigation, we propose to assess the lateral extent of contaminated ground water and soil. We believe that an assessment of the vertical extent of contamination would be appropriate for a follow-on investigation, but that

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to attempt to evaluate the full depth of contaminated ground water would be too complex for the currently proposed work.

- (3) Replace the proposed easternmost well as shown in Figure 3 of the Work Plan with a well about midway along the covered brick walkway :

Vertical clearance along the covered brick walkway is limited to about 12 feet to 13 feet. The smallest limited access drill rig that we can bring onto the site may not be small enough to install a well with this much clearance. However, I will attempt to install the well along the walkway with the small drill rig. If site access prevents, I will have to install this well in an alternative location. *(with County notification & concurrence). — Geoprobe if well not possible.*

- (4) Too small a distance between the proposed westernmost and the proposed southernmost wells:

The exact distance between these two wells as established in the field will be greater than that shown on the site plan, which was an approximation, only.

Please call me at (415) 726-7700 with comments.

Sincerely,

Charles D. Conway
Charles D. Conway, R.G.