Versar INC.

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April 4, 1994

Mr. Scott Seery
Hazardous Materials Specialist
Alameda County Health Care Services Agency
UST Local Oversight Program
80 Swan Way, Room 200
Oakland, California 94621

Subject: Addendum to Workplan to Conduct a Subsurface Investigation at the Fairmont Hospital, 15400 Foothill Boulevard, San Leandro, California;
Versar Project Number 2241-016

Dear Mr. Seery:

This workplan addendum has been prepared to modify the proposed scope of work for a subsurface investigation to be conducted at the Fairmont Hospital (site) located at 15400 Foothill Boulevard in San Leandro, California. This workplan addendum has been prepared to address your concerns which were expressed in your workplan review letter dated March 15, 1994. The original scope of work and this addendum have been prepared by Versar, Inc. (Versar) on behalf of the County of Alameda General Services Agency (GSA) under the direction of Mr. Peter Kinney to further characterize the extent of soil impacted by petroleum hydrocarbons released at the site. Information used to develop the original workplan was based on information and reports supplied to Versar by the GSA.

Below, we have addressed each of the points raised in your letter.

1) You requested that one additional boring be advanced through the southwest end of the tank pit to determine the vertical extent of contamination documented during the tank removal. Soil samples from this end of the excavation contained 12,000 milligrams per kilogram total petroleum hydrocarbons as diesel (TPH-D).

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After Environmental Science & Engineering, Inc. (ESE) completed the tank removal, the excavation was backfilled with imported pea gravel and baserock material and the surface paved with asphalt. Because of the loose nature of the pea gravel/baserock backfill, we do not feel that it would be practical to drill through the excavation. Drilling through this loose material would likely cause a void to develop beneath the asphalt, endangering the overlying asphalt cap. Instead, we propose to drill one additional boring as close to the excavation limit as possible without drilling through the backfill. We anticipate that this boring will be within one foot of the southwest end of the tank pit, and should satisfactorily serve the purpose of defining the vertical extent of the contamination in this area.

2) You requested that the initial borings drilled outside of the tank pit be continuously cored for the first ten feet in order to evaluate the vertical profile of contamination observed in the sidewalls. You also requested that all samples collected which exhibit evidence of soil contamination be analyzed for the presence of target compounds.

We will continuously core or sample the first ten feet of the initial borings. We also agree to analyze all soil samples that show evidence of contamination for TPH-D and benzene, toluene, ethylbenzene, and xylenes (BTEX).

3) You requested that "step out" borings be advanced to evaluate the lateral extent of contamination until the extent is defined.

Our original workplan states that "if the observed subsurface conditions indicate that hydrocarbons have migrated beyond the initial area of investigation, at the discretion of the GSA personnel, borings may be advanced to greater depths, or additional borings may be drilled in the vicinity of the former excavation."

As requested, we have enclosed a copy of the completed site Health and Safety Plan with this letter. We will also inform your office when field work is scheduled to begin. If you have any questions or concerns regarding this workplan addendum, please contact either of the undersigned at (916) 962-1612.

Sincerely,

Versar, Inc.

Michael P. Sellens
Geoscience Program Manager
R.G. No. 4714

John Russell
Project Manager

Enclosure: Site Health and Safety Plan

cc: Peter Kinney, Alameda County General Services Agency