

May 25, 2006

Mr. Jerry Wickham
Alameda County
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577



RECEIVED

By loprojectop at 10:38 am, May 30, 2006

Subject: Revised Work Plan and Response to Alameda County Environmental Health Staff's May 3, 2006 Comments, Fuel Leak Case No. RO0002585

Dear Mr. Wickham:

On behalf of Mr. Aris Krimetz, SOMA Environmental Engineering, Inc. (SOMA) is pleased to submit this *revised* work plan and response to Alameda County Environmental Health (ACEH) staff's comments, as specified in their May 3, 2006 letter *Fuel Leak Case No. RO0002585, Wente Winery, 5565 Tesla Road, Livermore, CA.*

For clarity, our responses to the comments have been organized in the numerical order they appeared in the ACEH's May 3, 2006 correspondence.

Comment 1.

SOMA will comply with the ACEH's directive "*[a] grab groundwater sample be collected from a depth of 58 to 63 feet bgs at proposed location GS-1.*" As such, in addition to collecting a grab groundwater sample from sample intervals 11 to 16 and 39 to 44 feet bgs, a grab groundwater sample will also be collected from sample interval 58 to 63 feet bgs.

To address the ACEH's request "*[p]roposed location GS-1 be moved to a location downgradient from the Steam Cleaning Area,*" proposed location GS-1 has been moved near the northwestern corner of the Steam Cleaning Building (see attached site map). Please note that due to physical constraints that the site presents, proposed location GS-1 is approximately 10 feet north of the ACEH's proposed location presented in their May 3, 2006 correspondence.

Comment 2.

SOMA has complied with the ACEH's request that "*[p]roposed location GS-2 be moved to a location downgradient from the former unlined drainage ditch and Steam Cleaning Bay.*"

Comment 3.

To address the ACEH's request to "[p]ropose laboratory analyses for TPH, VOCs, polynuclear aromatic hydrocarbons, pesticides, and PCBs for soil samples collected in the area of the former unlined drainage ditch and steam cleaning areas," SOMA will incorporate the above-mentioned constituents for [soil] laboratory analysis.

To comply with the ACEH's directive that "[s]oil vapor samples be collected," the following has been prepared; it describes the procedures that will be used for soil vapor sampling.

Soil vapor samples are collected by temporarily inserting a one-inch diameter steel drilling-rod equipped with a steel drop off tip. The probe is hydraulically driven into the subsurface by use of direct-push technology. Once the probe has reached the designated sampling depth of 4 to 5 feet bgs, a ¼-inch diameter Teflon flow sampling tube is inserted down the center of the probe and threaded into the sampling port at the end of the rod. The sampling tube is then capped with a vapor tight valve and the probe is retracted six inches and allowed to equilibrate for approximately 20 to 30 minutes.

Hydrated bentonite is placed around the top opening of the drill rod and on the ground surface surrounding the drill rod to inhibit surface air migration down the center or outer portion of the drill rod. A pre- and post-sample vacuum reading is recorded for each Summa Canister (pre-evacuated steel canister that is connected to the surface end to the sample tubing) sample. A 200-milliliter/minute (ml/min) flow regulator with a built in vacuum gauge is connected to the downhole side of the tee fitting. A particulate filter is also installed on the downhole side of the regulator. A vacuum test (mechanical leak check) is then performed for approximately 10 minutes to test the connections between the Summa Canister and the vapor tight valve. A leak detector compound (isopropyl alcohol) is placed around the borehole subsurface, top of the probe rod, and at the vapor tight valve. The vapor tight valve and purge canister valve are then opened to purge three volumes of air from the sample tubing and borehole sample interval. In addition to purging the calculated volume, a visual inspection of the vacuum gauge will also be noted to insure adequate flow.

After three tubing volumes have been purged, the vapor tight valve and the purge canister valve will be closed. The vapor tight valve and sample canister valve is closed until after the sample canister gauge indicates that approximately 5 inches mercury of vacuum is remaining in the canister, approximately 20% of the pre-sample vacuum.

Upon vapor sample collection, the tubing and drilling rod will be removed and the borehole will be grouted to surface grade.

Soil vapor samples will be collected from nine locations (see attached site map). Soil vapor samples will be analyzed using EPA Method Modified TO-15. Please see the attached sheet, that shows the Modified TO-15 compounds.

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Comment 4.

To implement the soil-sampling scheme, SOMA will comply with the ACEH suggestion that “[e]ach hand auger boring be reduced to two sampling intervals of 1 to 1.5 and 3 to 3.5 feet bgs.” As suggested by ACEH, the soil samples will be collected at 1 to 1.5-foot and 3 to 3.5-foot depth intervals. For cost saving purposes, as discussed with ACEH’s staff, only the samples collected at 1 to 1.5-foot depth intervals will be analyzed for the targeted constituents. The samples collected from 3 to 3.5-foot depths will be analyzed, if the results of the laboratory analysis on the shallower depth (1 to 1.5-foot) show detectable levels of targeted constituents.

Comment 5.

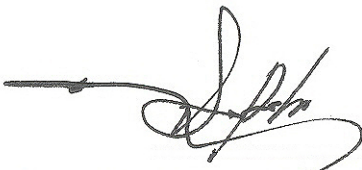
To address the ACEH’s request to identify “[s]pecific metals that will be analyzed by proposed EPA Method 6010,” SOMA has prepared the following list:

CA Title 22 Metals (CAM 17) EPA Method 6010B/7400
antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper,
lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, zinc.

This concludes our responses to the ACEH’s comments and submission of a *revised* work plan. Please note that upon completing the field activities, SOMA will prepare and submit a technical report, whereupon a detailed description of the investigation will be presented.

Should you have any questions or comments, please do not hesitate to call me or Eric Jennings, Project Geologist at (925) 734-6400.

Sincerely,

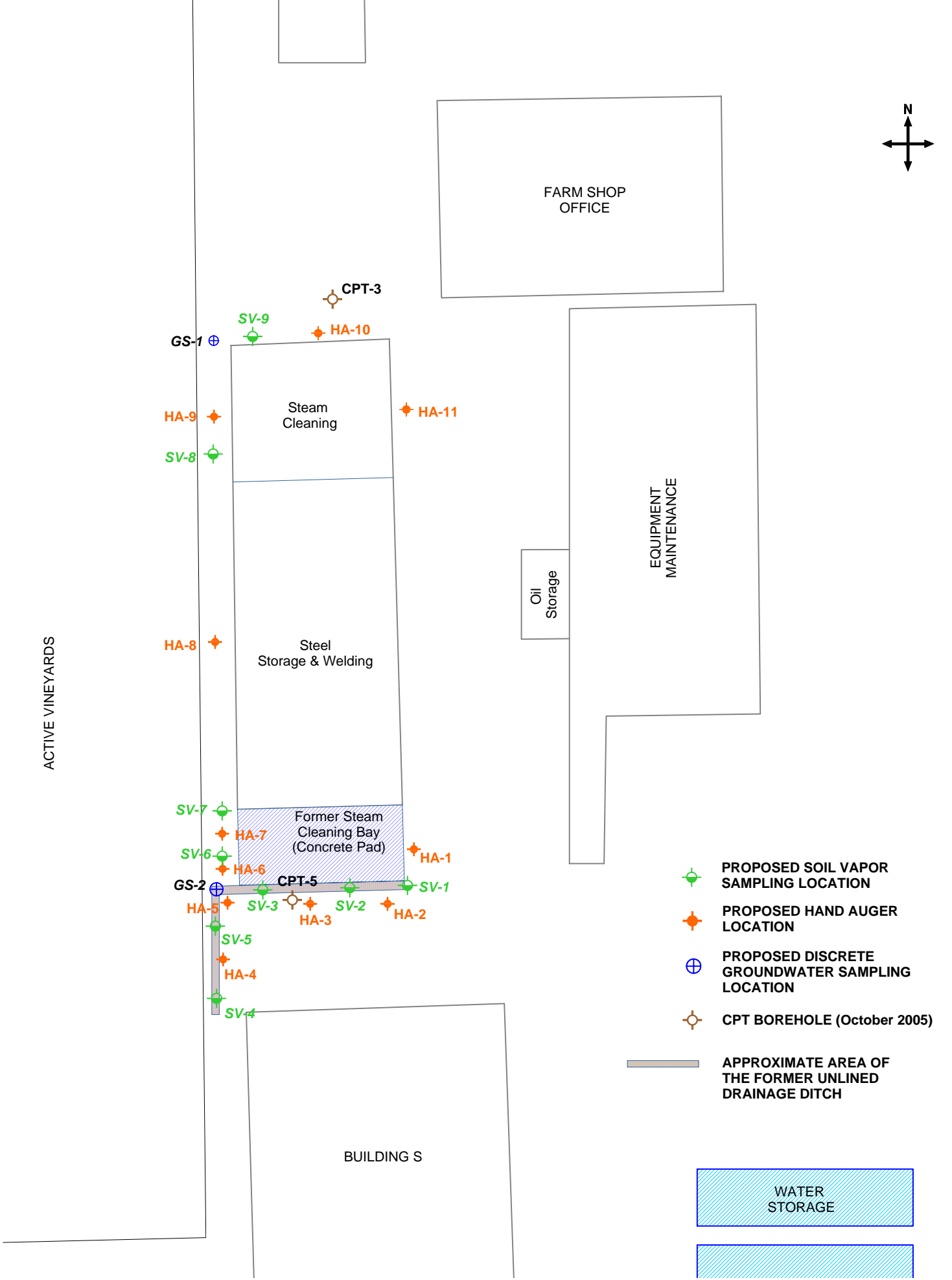
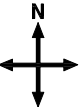


Mansour Sepehr, Ph.D., P.E.
Principal Hydrogeologist



Enclosure

cc: Mr. Aris Krimetz



ACTIVE VINEYARDS

FARM SHOP OFFICE

EQUIPMENT MAINTENANCE






Steam Cleaning

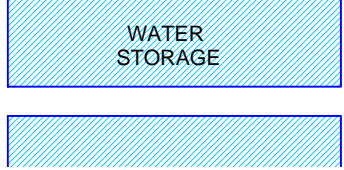
Steel Storage & Welding

Former Steam Cleaning Bay (Concrete Pad)

BUILDING S

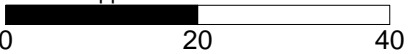
Oil Storage

-  PROPOSED SOIL VAPOR SAMPLING LOCATION
-  PROPOSED HAND AUGER LOCATION
-  PROPOSED DISCRETE GROUNDWATER SAMPLING LOCATION
-  CPT BOREHOLE (October 2005)
-  APPROXIMATE AREA OF THE FORMER UNLINED DRAINAGE DITCH



WATER STORAGE

approximate scale in feet



Revised Site Map Showing the Proposed Hand Auger, Soil Vapor, and Discrete Groundwater Sampling Locations