QST ENVIRONMENTAL

June 11, 1999

Ms. Juliet Shin
Department of Environmental Health
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94052

SUBJECT: WORK PLAN FOR FINAL SITE UST CLOSURE ACTIVITIES AT BROADWAY VOLKSWAGEN (STID 470) 2740 BROADWAY AVENUE OAKLAND, ALAMEDA COUNTY, CALIFORNIA

Dear Ms. Shin:

QST Environmental Inc., (QST) is pleased to present, on behalf of Trammell Crow Company (Trammell), the work plan for final site UST closure activities at Broadway Volkswagen (STID 470), 2740 Broadway Avenue, Alameda County, Oakland, California. The following work plan has been generated based upon the outcome of and subsequent correspondence regarding our Monday, April 26, 1999, meeting.

WORK PLAN

SITE-SPECIFIC HEALTH & SAFETY PLAN AND PRE-FIELD ACTIVITIES

QST and the subcontractor will generate site-specific health & safety plans for final site UST closure activities. The permits necessary for final site UST closure activities will be obtained prior to beginning any activities. In addition, Underground Service Alert will be contacted, for clearance of underground utilities, at least forty-eight (48) hours prior to conducting any subsurface site closure activities.

MONITORING WELL REDEVELOPMENT, GROUNDWATER SAMPLING, AND SURVEYING

QST will redevelop existing monitoring wells MW-1 and MW-3. Depth-to-groundwater measurements will be taken prior and subsequent to well redevelopment. The measurements will be taken from the top of a notch on top of the north side of the PVC well casing (measurement point). Measurements will be taken using a Keck Instruments, Inc., KIR-89 product interface probe (PIP). The PIP has increments of 0.01 feet.

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All of the developed and purged water obtained from the wells will be stored on site until laboratory analytical results have been received, reviewed, and proper disposal can be determined.

Subsequent to redevelopment, QST will survey to the measurement point. The measurement point elevations will be based on a relative bench mark, typically assigned an elevation of 100.00. The measurement point elevations along with depth to groundwater measurements and distances between the wells will give QST the necessary data for calculation of hydraulic gradient (groundwater flow) direction and magnitude.

Upon completion of well redevelopment, and surveying activities, QST, will collect one (1) groundwater sample from the two (2) wells (MW-1 and MW-3). All groundwater samples will be labeled with project number, sample location, sample identification number, sample depth, name of sampler, date, and time of sampling. The groundwater samples will be placed on ice in a cooler for preservation of sample integrity during transportation to the laboratory. The cooler will be sealed and evidence tape affixed prior to transportation. Sample collection, decontamination, and laboratory quality control procedures will follow Environmental Protection Agency (EPA) accepted protocol.

LABORATORY ANALYSIS FOR GROUNDWATER SAMPLING

Groundwater samples will be submitted to a State of California certified analytical laboratory and analyzed for benzene using EPA Method 8020. These samples will be analyzed on an standard turn-around-time (TAT) basis.

DIRECT-PUSH ACTIVITIES

SB-3 SB-4

QST, will collect a maximum of one (1) soil sample from each of two (2) direct-push soil borings advanced in the area of former Borings ~~SB-2~~ and ~~SB-3~~ to confirm or revise the maximum concentrations used in the risk summary for closure. All soil samples will be labeled with project number, sample location, sample identification number, sample depth, name of sampler, date, and time of sampling. The soil samples will be placed on ice in a cooler for preservation of sample integrity during transportation to the laboratory. The cooler will be sealed and evidence tape affixed prior to transportation. Sample collection, decontamination, and laboratory quality control procedures will follow EPA accepted protocol.

LABORATORY ANALYSIS FOR DIRECT-PUSH ACTIVITIES

Soil samples will be submitted to a State of California certified analytical laboratory and analyzed for benzene using EPA Method 8020. These samples will be analyzed on an standard TAT basis.

Ms. Juliet Shin
ACHCSA
June 11, 1999

FINAL CLOSURE REPORT

Upon completion of site UST closure activities and the receipt of analytical results, QST will prepare a report and components which will include a summary of field activities, laboratory analytical reports, and recommendations based on the site UST closure activities results. These report text and components will be included in the report documenting the site UST closure activities.

RISK CLOSURE SUMMARY

If a risk summary is required in the closure, the targets for the RBCA approach will be $10^{(-5)}$ increased lifetime cancer risk, for a commercial-industrial exposure scenario incorporating the California cancer slope factor to modify the RBSLs.

If an additional risk closure summary is necessary, a section with appropriate components and technical rationale for closure will be generated and included as a part of the final closure report.

QST looks forward to initiating final site UST closure activities and anticipates that ACHCSA can give authorization for QST and Trammell to proceed with the above described activities. If you have any questions or comments, please feel free to contact me at (925) 313-0840.

Respectfully submitted,
QST ENVIRONMENTAL INC.

Thomas D. Dalzell
Office Manager/Senior Scientist

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FAX

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REMARKS: ☐ Urgent ☑ For your review ☑ Reply ASAP ☐ Please comment

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