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By lopprojectop at 10:15 am, Apr 17, 2006

April 15, 2006
Project No. SJ52-51H-1.2006

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

Re: **Progress Report**
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, California

Dear Mr. Wickham:

Delta Environmental Consultants, Inc. (Delta), on behalf of Shell Oil Products US (Shell), has prepared a interim remediation progress report. A proposal for interim remediation was included in the fourth quarter 2005 groundwater monitoring report dated January 15, 2006. The Alameda County Health Care Services Agency letter dated March 30, 2006 approved the interim remediation proposal and requested the results to be included along with the first quarter 2006 groundwater monitoring report due April 15, 2006. A site map is included as Figure 1.

PRELIMINARY RESULTS

The following is a summary of preliminary results from site remediation activities:

- On March 6, 2006, Delta supervised the installation of groundwater extraction Well EW-1 to an approximate total depth of 20 feet below grade (bg). The location of Well EW-1 is shown on Figure 1. The boring for Well EW-1 primarily encountered lean clay with sand to the total depth explored with a poorly graded fine grained sand layer encountered at a depth of 14 feet bg. Well EW-1 was screened from 10 to 20 feet bg. The well was subsequently developed by Blaine Tech Services on March 16, 2006.
- On April 7, 2006, Delta conducted a step drawdown test utilizing Well EW-1. The purpose of the test was to evaluate the feasibility of groundwater extraction as a remedial method. Groundwater was extracted from Well EW-1 at rates of 0.25, 0.5, 0.8, and 1.4 gallons per minute (gpm). The

A member of:



groundwater extraction rate was increased as the depth to groundwater appeared to stabilize in Well EW-1 to determine a sustainable extraction rate with a 60% drawdown of the water column. An approximate 40% drawdown of the water column was obtained at a groundwater extraction rate of 0.8 gpm. The well went dry within twenty minutes of increasing the groundwater extraction rate to 1.4 gpm. The preliminary results of the step-test are graphically presented as Graph 1.

- Influence from the step-test was observed in Wells S-1 and S-3 located approximately 20 and 18 feet away, respectively, from extraction Well EW-1. Depth to water was measured at 10 to 15 minute intervals throughout the step-test. By the end of the step-test, depth to water in Wells S-1 and S-3 increased by 0.19 and 0.16 feet, respectively.
- Groundwater samples were collected from Well EW-1 at the beginning and end of the step-test. Samples are being analyzed for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, xylene (BTEX compounds), methyl tert-butyl ether (MTBE), and tert-butanol (TBA) by EPA Method 8260. Analytical results are pending.
- Delta has estimated a sustained pumping rate of approximately 0.8 gallons per minute (gpm) from Well EW-1.
- Delta will continue pumping of Well EW-1 until the 6,000-gallon storage tank is full.
- Delta, on behalf of Shell, will submit a report with recommendations for further action based on the complete results of the interim remediation within 30 days.

REMARKS

The information and recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

April 15, 2006

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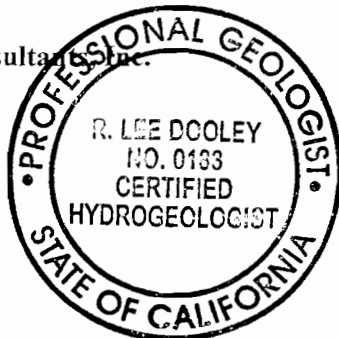
Please call if you have any questions regarding the contents of this letter.

Sincerely,

Delta Environmental Consultants, Inc.

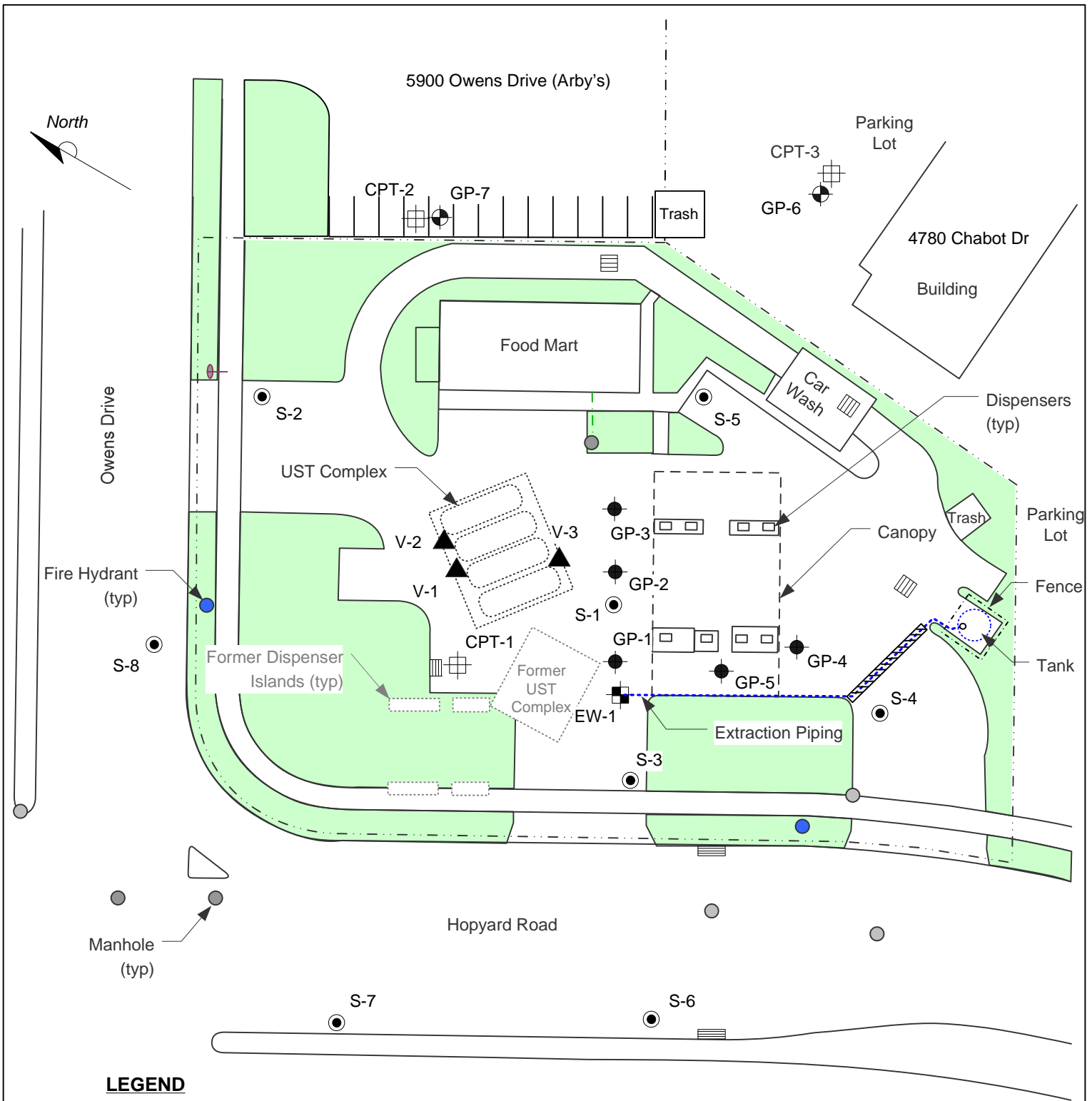


R. Lee Dooley
Senior Hydrogeologist
CHG 0183










Attachment: Figure 1 – Site Map
Graph 1 – Step Drawdown Test EW-1

cc: Denis Brown, Shell Oil Products US, Carson
Carl Cox, C and J Cox Corporation, Pleasanton
Colleen Winey, QIC 80201, Zone 7 Water Agency, Livermore
Danielle Stefani, Livermore-Pleasanton Fire Department, Pleasanton



LEGEND

- EW-1  **PROPOSED EXTRACTION WELL**
-  **BAKER TANK**
- S-1  **GROUNDWATER MONITORING WELL**
- V-3  **SOIL VAPOR EXTRACTION WELL**
- GP-2  **SOIL BORING**
- CPT-1  **CPT BORING AND SAMPLING LOCATION**
- GP-6  **PROPOSED SOIL BORING**

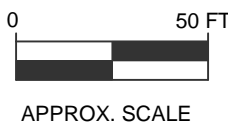


FIGURE 1
SITE MAP

SHELL-BRANDED SERVICE STATION
5251 Hopyard Road
Pleasanton, California

PROJECT NO. SJ52-51H-1.2006	DRAWN BY JL 02/22/06
FILE NO. SJ52-51H-1.2006	PREPARED BY HB
REVISION NO. 1	REVIEWED BY



Graph 1 - Step Drawdown Test

Well EW-1

Shell-branded Station
5251 Hopyard
Pleasanton, California

