

# Woodward-Clyde

Engineering & sciences applied to the earth & its environment

August 27, 1996  
93C0276A

Ms. Eva Chu  
Alameda County  
Environmental Health Services  
1131 Harbor Bay Parkway, #250  
Alameda, CA 94502-6577

96 SEP 10 PM 4:15  
ENVIRONMENTAL  
PROTECTION

**Subject: Work Plan to Perform Quarterly Monitoring at 187 North L Street,  
Livermore 94550, California**

Dear Ms Chu:

Woodward-Clyde Consultants (WCC) is pleased to provide this work plan for Don-Sul, Inc., at 187 North "L" Street, Livermore, California. This work plan describes the activities and schedule that we propose to perform to satisfy the Alameda County requests for quarterly monitoring contained in your letter dated July 26, 1996. We are ready to proceed following your approval of this work plan. As discussed by telephone on August 27, 1996 we will perform one round of quarterly monitoring as discussed below. Based upon the results of this monitoring round we may request a reduced schedule for monitoring to 6-month intervals and no further monitoring of well W-Es. If the next monitoring round confirms the last monitoring of well W-Es that shows no detections of MTBE, BTEX, and TPH as gasoline, we will request that there be no further monitoring of well W-Es.

Quarterly monitoring will be performed on wells W-Es, W-1s, W-Bs, and W-3s. Prior to sampling, the groundwater will be purge from each well and the stabilized groundwater levels will be measured with an electrical water level indicator. The purged water from the wells will be stored in six 55-gallon drums for proper disposal. Following review of laboratory results, the six waste water 55-gallon drums are planned to be transported and disposed for recycle. The groundwater will be sampled by using a submersible pump and new hose. A new length of hose will be used for each well.

Four groundwater samples, and one duplicate sample will be collected and placed into appropriate pre-labeled, laboratory-supplied sample containers. Also, a field blank will be collected prior to sampling, and a travel blank will be prepared by the laboratory for quality control. The samples will be wrapped with bubblewrap protection material, sealed in ziplock bags and transported in an ice chest, with ice, to Inchcape Testing Services Anametrix Laboratories, San Jose, California, under chain-of-custody procedures. Each groundwater sample will be analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg) and for methyl-tert-butyl ether, benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8015/8020 modified, following California Department of Health Services methods.

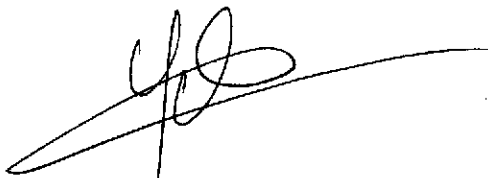
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Following receipt of the laboratory analytical reports for groundwater sampling from wells W-Es, W-1s, W-Bs, and W-3s, the results will be evaluated and presented in a letter report. The letter report will also discuss field activities. Data will be summarized in a table, and laboratory reports presented in an appendix, and future monitoring.

Upon receiving authorization to proceed, we anticipate that about one day will be required to measure groundwater levels and collect groundwater samples. An additional two weeks will be needed for laboratory analyses to be performed, and for preparation of the letter report. We anticipate providing a final report about two weeks after receipt of laboratory reports.

If you have any questions with this Work Plan, please do not hesitate to contact Albert Ridley at (510) 874-3125 or Jerome Lebegue at (510) 874-3184.

Sincerely,



Jerome Lebegue  
Staff Engineer



Albert P. Ridley, C.E.G.  
Project Manager

Enclosure:

cc: Mrs. Rita Sullins, Arrow Rentals, 187 North L Street, Livermore, CA  
94550.  
Bill Copeland, WCC.

