



AEGIS ENVIRONMENTAL, INC.

801 Riverside Avenue, Suite C, Roseville, CA 95678



916 • 782-2110 / 916 • 969-2110 / FAX 916 • 786-7830

October 25, 1990

Mr. Lowell Miller
Alameda County Health Services
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

Re: Results report for site assessment work at Shell Oil Company
Service Station located at 318 South Livermore Avenue,
Livermore, California.
Aegis Project # 89-041

Dear Mr. Miller:

Enclosed you will find a report that presents the results of site
investigation and installation of monitoring wells at the above
referenced site.

If you have any questions please call me at (916) 782-2110.

Yours truly,

Pat Wright
Geologist # 529

PW/mvr

cc: Ms. Penny Silzer - California Water Quality Board
Mr. Ken Craig - City of Livermore Planning Department



AEGIS ENVIRONMENTAL CONSULTANTS
801 Riverside Avenue, Suite C Roseville, CA 95678 916 • 782-2110 969-2110

May 8, 1990

Mr. Lowell Miller
Alameda County Health Care Services
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, California 94621

RE: Subsurface investigation at the Shell Oil Company Service Station, 318 South Livermore Avenue, Livermore, California.

Dear Mr. Miller:

On February 18, 1990, Aegis Environmental Consultants, Inc. submitted Tank Closure Report and Hydrogeological Investigation Work Plan for the subject site. In response to your letter concerning possible petroleum constituents below the waste oil tank, Aegis recommends that the proposed Phase I Work Plan be modified to address the potential petroleum contaminants beneath the waste oil tank.

Aegis recommends the following changes regarding the Phase I Assessment Work Plan:

- 1) Install one additional soil boring near the northeast corner of the site adjacent to the waste oil tank. Including this additional soil boring, there will be a total of four soil borings drilled on the site. The soil borings will be advanced to an estimated total depth of 25 feet below grade or to a depth of 10 feet below the first ground water. The borings will be advanced using a 10" diameter hollow-stem auger. The soil borings will be converted to monitoring wells. The monitoring wells will be constructed using 4" diameter blank PVC well casing and 4" diameter PVC well screens with 0.020 inch slotted perforations. Proposed well construction diagrams are presented in Aegis's February 18, 1990, report. Location of monitoring wells are presented in Figure 1.

Soil samples will be collected at a maximum vertical spacing of 5 feet and will be screened in the field with a portable photoionization detector (PID) or an organic

vapor analyzer (OVA) to determine organic vapor content. Selected soil samples will be sent to a State certified laboratory for analyses.

The total volume of cutting removed from the soil borings will be placed on and covered by visquene. One composite sample of drill cuttings will be obtained and submitted to a State certified laboratory. Disposal of the cutting's will be accomplished according to existing regulations after analytical results are received.

All work described herein will be completed according to the health and safety procedures outlined in the site health and safety plan included in Appendix A of Aegis's February 18, 1990, report.

Aegis will implement the Work Plan with the proposed modification following the appropriate regulatory approval.

If you have questions call me at (916)782-2110.

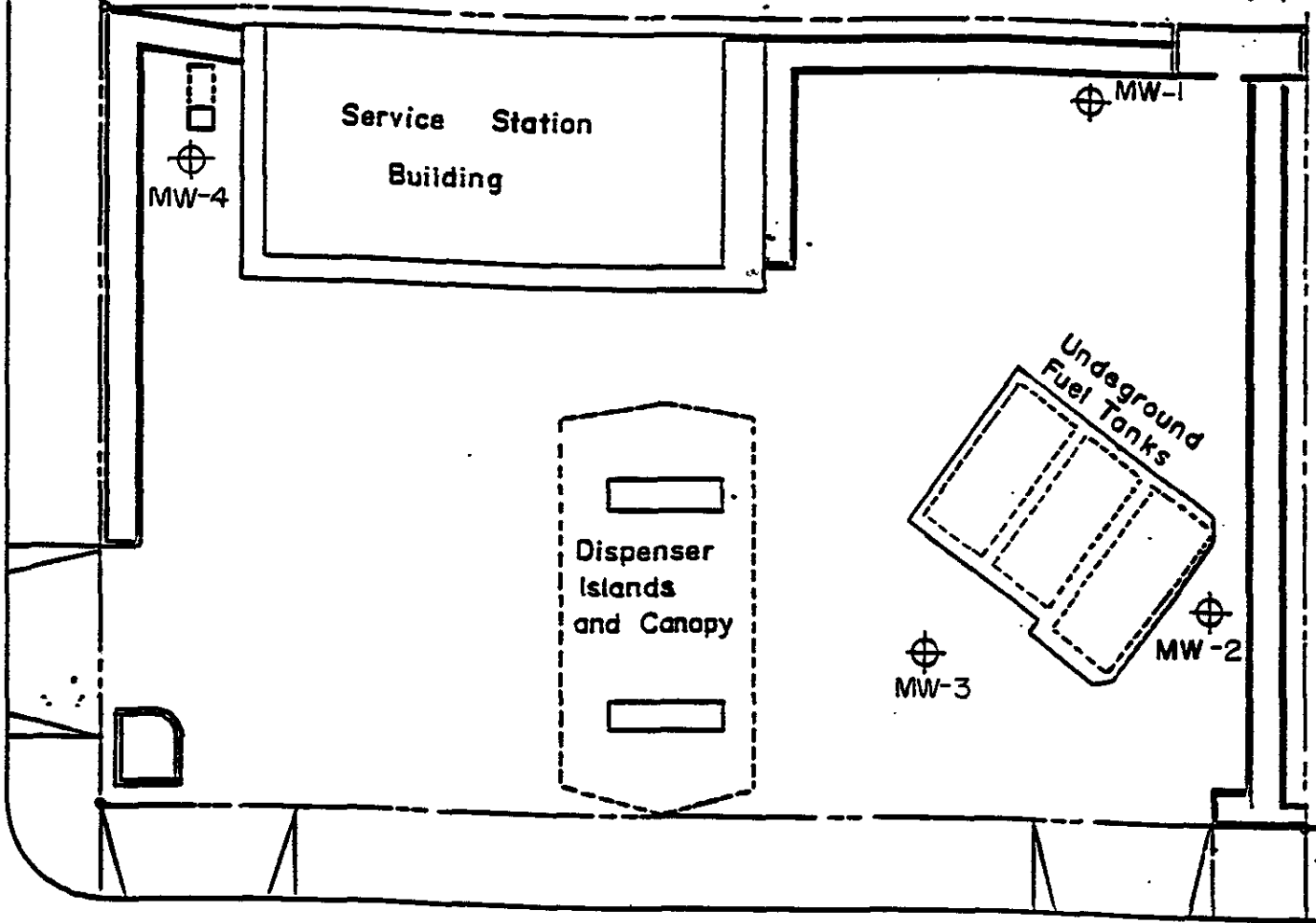
Yours truly,

AEGIS ENVIRONMENTAL CONSULTANTS, INC.



Pat Wright, Registered Geologist #529

CC: Mr. E. Carlson - City of Livermore Fire Dept.
Ms. Penny Silzer - CWQCB
Ms. Diane Lundquist - Shell Oil Company
Mr. Stanley J. Roller - Shell Oil Company
Mr. Ken Craig - City of Livermore Planning Dept.



Legend

⊕ Proposed Monitoring Wells

Approximate Scale
1" = 23'



FIGURE 1
SITE MAP
 Shell Service Station
 318 South Livermore Ave.
 Livermore, Ca.

AEGIS JOB NO. 89-041

DRAWN BY: Ed Bernard DATE: Jan. 5, 1990
 REVIEWED BY: DATE: