

**THRIFTY OIL CO.**

*SEE  
FUNCTIONS*

October 30, 1986

Alameda County  
Environmental Health Services  
470 27th Street  
Suite 324  
Oakland, CA 94612

**R E C E I V E D**  
OCT 4 1986

ATTENTION: Ted Gerow

**ENVIRONMENTAL HEALTH  
ADMINISTRATION**

RE: Thrifty Oil Co. SS #49  
3400 San Pablo Avenue  
Oakland, California

Dear Mr. Gerow:

Enclosed please find a copy of the site assessment proposal submitted by Woodward-Clyde Consultants for the above referenced location.

Please review and if this scope of work is acceptable to you, please advise and we will issue contracts to proceed.

Yours truly,



Peter D'Amico  
Manager  
Environmental Affairs

PD/dmt  
Enclosures

cc: Mark Gilmartin, Straw & Gilmartin  
Dale Bowyer, Regional Water Quality Control Board



**STRAW & GILMARTIN**  
A PROFESSIONAL LAW CORPORATION  
11377 WEST OLYMPIC BOULEVARD  
SEVENTH FLOOR  
LOS ANGELES, CALIFORNIA 90064  
TELEPHONE (813) 312-3293

**LAWRENCE J. STRAW, JR.**  
**MARK B. GILMARTIN**

FILE NO. T049

September 30, 1986

Mr. Ted Gerow  
Public Health Engineer  
Alameda County  
Environmental Health Services  
470 27th Street, Suite 324  
Oakland, CA 94612

Re: Thrifty Oil Co.  
Station No. 49  
3400 San Pablo Avenue, Oakland, CA

Dear Mr. Gerow:

This letter serves to follow-up on the telephonic unauthorized release report made by me on September 12, 1986 with regard to the above-referenced service station operated by my client, Thrifty Oil Co.

Enclosed please find a copy of Accutite Tank Testing & Maintenance Services' reports reflecting petro-tite tests performed on the underground tanks at the site on August 15, 1986 and August 21, 1986. You will note that all systems passed the test on August 15 with the exception of the 12,000 gallon premium unleaded tank. The premium unleaded underground tank system was retested on August 21 and certified tight.

Enclosed please find a Site Assessment Investigation Report prepared by Groundwater Technology dated August 18, 1986. That report reflects that groundwater samples were taken from three monitoring wells. Concentrations of 85.3, 93.7 and 2.1 parts per million total dissolved hydrocarbons were detected in monitoring wells 1, 2 and 3, respectively. Appendix IV reflects the results of five soil samples analyzed for hydrocarbon presence. Two samples showed detectible hydrocarbons at 57 ppm and 22 ppm.

RECEIVED

OCT 01 1986

**STRAW & GILMARTIN**  
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LAWRENCE J. STRAW, JR.  
MARK B. GILMARTIN

FILE NO. T014

October 2, 1986

Mr. Dale W. Bowyer  
Water Resources Control Engineer  
Regional Water Quality Control Board  
111 Jackson Street, Room 6000  
Oakland, CA 94607

Re: Thrifty Oil Co.

Dear Mr. Bowyer:

This firm represents Thrifty Oil Co. with regard to environmental matters concerning the operation of service stations.

This morning I spoke to Kenneth Theisen of your office regarding subsurface investigations recently performed at several service stations in the Bay Area owned by Thrifty Oil Co. These subsurface investigations were performed by Groundwater Technology at the direction of ARCO Petroleum Products Company in connection with a proposed transaction between ARCO and Thrifty regarding these stations. Additionally, Thrifty has caused underground tank tightness tests to be performed at these service stations. I have notified the local agencies in each case where hydrocarbon contamination was detected.

Enclosed please find copies of subsurface investigation reports prepared by Groundwater Technology for the following service stations:

<u>Station No.</u>	<u>Address</u>
39	545 Alma Street, San Jose
49	3400 San Pablo Avenue, Oakland
52	20200 Hesperian Blvd., Hayward
55	25225 Mission Blvd., Hayward
62	207 A Street, Hayward
63	6125 Telegraph Avenue, Oakland
175	1256 E. Julian Street, San Jose

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October 18, 1986

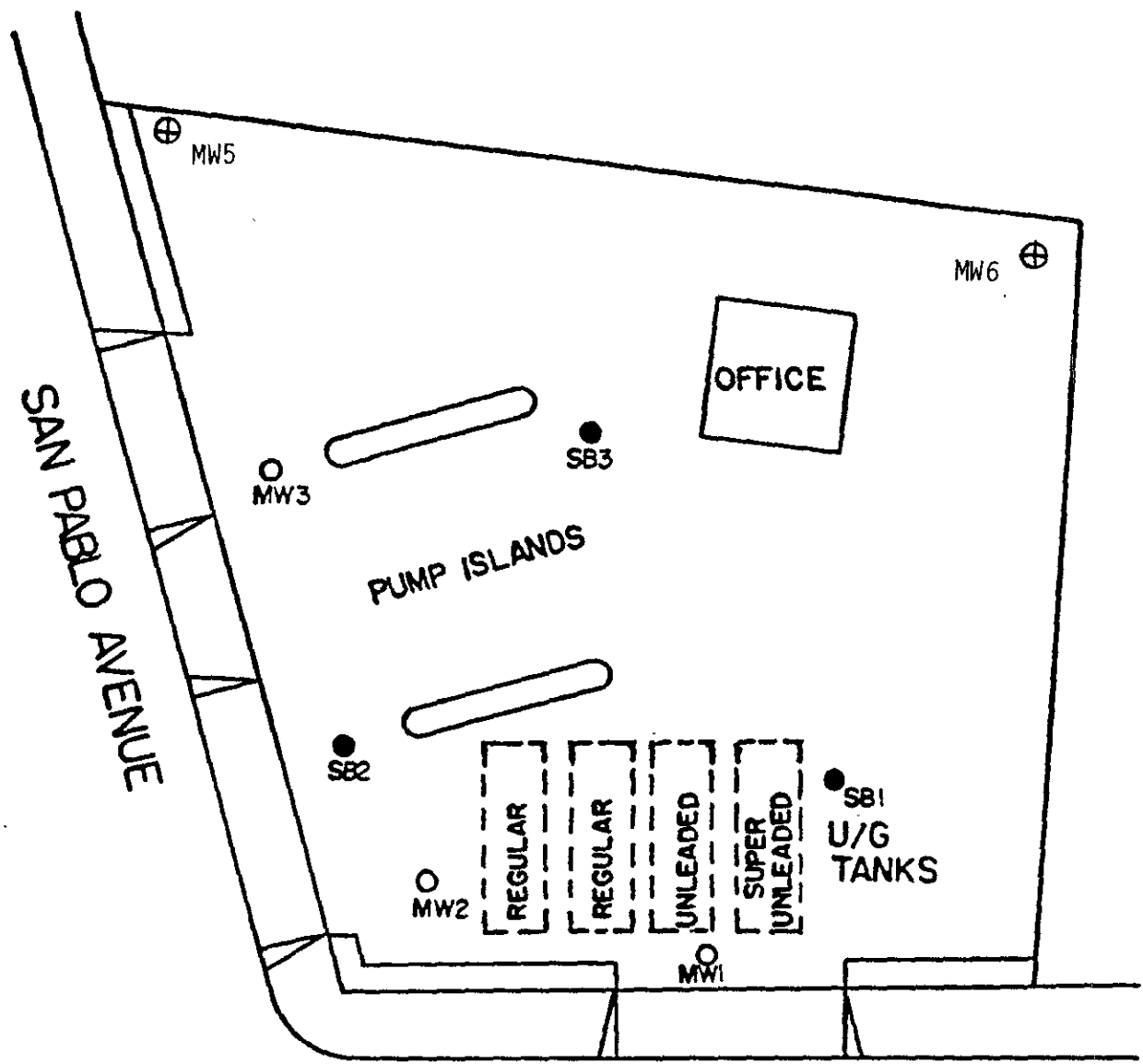
Mr. Peter D'Amico  
Manager, Environmental Affairs  
Thrifty Oil Co.  
10000 Lakewood Boulevard  
Downey, CA 92040

Dear Mr. D'Amico:

Woodward-Clyde Consultants is pleased to submit this letter proposal for the remedial investigation of subsurface contamination at Station 49 in Oakland, California. This proposal is in response to your request of October 1, 1986. The objective of the proposed work will be to delineate the extent of the groundwater contamination identified in a previous investigation at the site and to determine what remedial actions, if any, will be necessary. In light of the results of the previous investigation's groundwater analyses, and the current policies of the cognizant regulatory agencies, we feel that the limits of the contaminate plume should be better defined. Therefore, we propose that three additional groundwater monitoring wells be installed at the site as shown in Figure 1. Due to the close proximity of wells MW-1 and MW-2 to the property boundary, one of the proposed wells will have to be located in the adjacent street. Special permits and precautions (e.g. traffic control) will be required for the installation of those wells but should not present any significant problems. The other two wells are located onsite and serve to assess the limits of the plume in the northerly direction and/or provide a means for determining background contaminate levels.

Shallow groundwater in heavily urbanized areas such as the Station 49 site would be expected to contain hydrocarbons and although an active local well was identified in the previous investigation, it is expected to be drawing from a deeper aquifer. Establishing the ambient water quality, existing or potential beneficial uses of the nearsurface groundwater and the construction details of the active well will be required in establishing cleanup levels if such action is deemed necessary. Therefore, we propose that a literature review be conducted to determine, to the extent possible, the above parameters. We anticipate that the proposed well in the northeast corner of the site may be outside the plume and provide the necessary background water quality data. The monitoring wells will be constructed of 2 inch PVC casing and extend to a depth of 20 ft. Due to the close proximity of the groundwater to the surface (6 to 7 ft) and the relative absence of soil contamination encountered in the previous investigation, no soil sampling is proposed. The wells will be screened from approximately four feet below grade to the 20 foot completion depth. An annular seal of concrete and bentonite will extend from the surface to a depth of three feet. Locking well caps and traffic rated Christy Boxes





EXPLANATION

- MWI-MONITORING WELL
- SBI-SOIL BORING
- ⊕ Proposed Monitoring Wells

SITE PLAN



Figure 1. PROPOSED MONITORING WELL LOCATIONS

Mr. D'Amico  
Thrifty Oil Co.  
October 18, 1986  
Page Two

will be used to complete the wells at the surface. A composite sample will be taken of the boring cuttings and analyzed for total petroleum hydrocarbons. The cuttings will be drummed, secured, appropriately labeled and left onsite pending the lab results. If the soils are found to contain elevated hydrocarbon levels, then various disposal options will be explored.

All wells will be developed following installation and sampled. As with the cuttings, the development water will be placed in drums, secured, appropriately labeled and left onsite pending the lab results of the well samples. Should the contaminant levels require special disposal, a hazardous material disposal service will be contracted to provide transportation and proper disposal. The water samples will be analyzed for total petroleum hydrocarbons, benzene, toluene and xylene using EPA Method 602 or equivalent. Upon completion of the site investigation and receipt of the laboratory results, a report will be prepared and submitted to Thrifty Oil Co. The report will include a summary of activities conducted at the site, boring/well logs, laboratory results and a description of local groundwater uses and ambient water quality. Based on the findings of the investigation, a discussion of our conclusions and recommendations for additional investigative or remedial activities, if any, will also be included in the report.

The estimated costs for completing the proposed investigation are given in Table 1. A schedule of our current fees and charges is also attached. The costs assume no extenuating circumstances or problems will arise in obtaining well permits and that all permit fees and deposits will be paid by Thrifty.

We look forward to working with you on this project and if you have any questions or require additional detail, please contact Mr. Martin Cramer who will be the engineer managing the investigation.

Sincerely,



James D. Sartor  
Manager, Environmental and Engineering Services

JDS:1nb  
THRIFTY-LR