

Mobil Oil Corporation

3800 WEST ALAMEDA AVENUE, SUITE 700
BURBANK, CALIFORNIA 91505-4331

June 8, 1987

See file US TANKS

Mr. T. M. Gerow
Alameda County
Div. of Environmental Health
470 - 27th St., Room 324
Oakland, CA 94612

MOBIL OIL CORPORATION
SERVICE STATION #10-EYL
1716 WEBSTER STREET
ALAMEDA, CA

Dear Mr. Gerow:

Attached is our consultant's report in reference to the above station.

After the removal of the waste oil tank at the site, soil samples were obtained and analyzed. Laboratory analysis indicated that total hydrocarbon and volatile organic compound concentrations are within the guidelines established by the regulatory agencies.

Mobil believes that no further investigation is required at this site and would like to consider this incident closed.

Should you have any questions, contact Jane Keith at (818) 953-2519.

Sincerely,

J.M. Keith
for R. J. Edwards
Regional Environmental Manager

JMK:mhc
Attachment
(91150)

C.C: Dale C. Bowyer
California Regional Water
Quality Control Board
1111 Jackson St. Room 6040
Oakland, CA 94607



KAPREALIAN ENGINEERING, INC.

Consulting Engineers

535 Main Street

Martinez, Ca. 94553

(415) 372-5444

KEI-J87-0410

May 4, 1987

Mobil Oil Corporation
P. O. Box 127
Richmond, CA 94807

Attention: Mr. T. Ross

Re: Soil Sampling Report for
Mobil Service Station
1716 Webster Street
Alameda, California

Dear Mr. Ross:

This report summarizes Kaprealian Engineering, Inc. (KEI) findings at the referenced site.

On April 13, 1987, KEI conducted tank inspection and soil sampling during the removal of one (1) 550 gallon waste oil tank at the referenced site. The purpose of the inspection and sampling was to comply with the requirements of the state and local regulatory agencies. The attached sketch shows the approximate location of the removed tank and the location where the soil samples were taken.

KEI's activities included the following:

- 1) Soil sample collection from the site
- 2) Tank inspection
- 3) Chemical analysis of the soil samples by a certified laboratory
- 4) Technical report preparation

FIELD INVESTIGATION

The field investigation was conducted on April 13, 1987. The tank was removed prior to soil sampling. The tank was rusty and had one pea-sized hole in the bottom. The depth of excavation was approximately six (6) feet. One (1) sample of native soil was

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taken from the pit at a depth of approximately 8.0 feet. The soil sample was collected from bulk material excavated by backhoe. The sample was then placed in a clean brass tube, sealed with aluminium foil and plastic caps, and stored in a cooled ice chest for delivery to Sequoia Analytical Laboratory in Redwood City, California.

The subsurface soil exposed in the excavation consisted of sand and silty clay. No odor was noted in the excavated soil.

ANALYTICAL RESULTS

The soil sample was analyzed for total hydrocarbons (THC--high boiling fraction), Volatile Organic Compounds (EPA methods 8010 and 8020), and total oil and grease (TOG), as required by the California Regional Water Quality Control Board guidelines. The laboratory analyses show non-detectable levels of all constituents. Copies of the laboratory analyses and chain of custody form are attached to this report.

CONCLUSIONS AND RECOMMENDATIONS

The analytical results indicate that the concentrations of total hydrocarbons and Volatile Organic Compounds are within acceptable limits established by the regulatory agencies. Therefore, we recommend no further investigation at this time.

LIMITATIONS

Soil deposits and rock formations may vary in thickness, lithology, saturation, strength and other properties across any site. In addition, environmental changes, either naturally-occurring or artificially-induced, may cause changes in groundwater levels and flow paths, thereby changing the extent and concentration of any contaminants. Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory investigations. We have analyzed this data

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using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

Copies of this report and the attachments should be sent to the Alameda County Department of Environmental Health, and the Regional Water Quality Control Board.

Should you have any questions on this report please do not hesitate to contact me at (415) 372-5444.

Sincerely,

Kaprealian Engineering, Inc.



Mardo Kaprealian
License #C29326
Exp. date 3/31/91

Attachments: Location Plan
Laboratory Analyses
Chain of custody form

cc: J. Keith



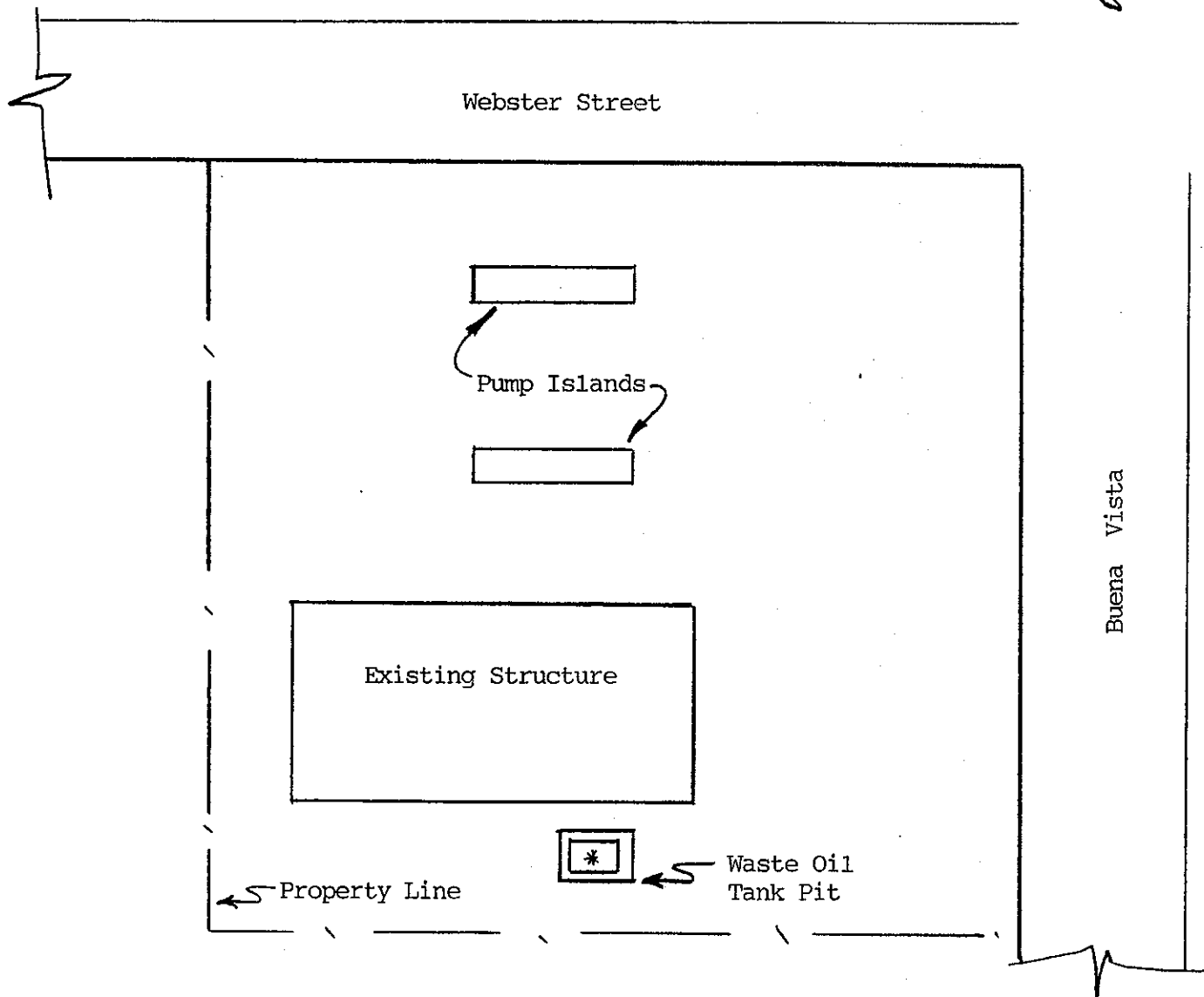
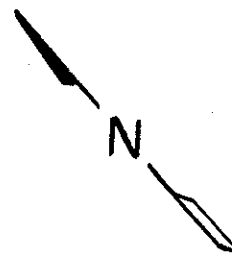
KAPREALIAN ENGINEERING, INC.

Consulting Engineers

535 Main Street

Martinez, Ca. 94553

(415) 372-5444



LOCATION PLAN
(not to scale)

* soil sample location

MOBIL SERVICE STATION
1716 Webster Street
Alameda, California



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Kaprealian Engineering, Inc.
535 Main Street, Suite 309
Martinez, CA 94553
Attn: Mardo Kaprealian, P.E.
President

Date Sampled: 04/13/87
Date Received: 04/13/87
Date Reported: 04/30/87

<u>Sample Number</u>	<u>Sample Description</u>	<u>Detection Limit</u> ppm	<u>Total Hydrocarbons as Diesel</u> ppm
7041024	Mobil at 17116 Webster Street in Alameda, Soil A	1.0	< 1.0

NOTE: Analysis was performed using EPA methods 3550 and 8015.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

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SEQUOIA Analytical Laboratory

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Redwood City, CA 94063 • (415) 364-9222

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President

Date Sampled: 04/13/87
Date Received: 04/13/87
Date Reported: 04/30/87

<u>Sample Number</u>	<u>Sample Description</u>	<u>Detection Limit</u> ppm	<u>Gravimetric Waste Oil as Petroleum Oil</u> ppm
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7041024	Mobil at 17116 Webster Street in Alameda, Soil A	30	< 30
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NOTE: Analysis was performed using EPA extraction method 3550 with Trichlorotriflouroethane as solvent, and gravimetric determination by standard methods 503E.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

mpr



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Kaprealian Engineering, Inc.
535 Main Street, Suite 309
Martinez, CA 94553
Attn: Mardo Kaprealian, P.E.
President

Date Sampled: 04/13/87
Date Received: 04/13/87
Date Extracted: 04/27/87
Date Reported: 04/30/87

Sample Number

7041024

Sample Description

Mobil at 17116 Webster
Street in Alameda, Soil A

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein.....	< 10,000	trans-1,2-Dichloroethene.....	< 50
Acrylonitrile.....	< 10,000	1,2-Dichloropropane.....	< 50
Benzene.....	< 50	1,3-Dichloropropene.....	< 50
Bromomethane.....	< 50	Ethylbenzene.....	< 50
Bromodichloromethane.....	< 50	Methylene chloride.....	< 50
Bromoform.....	< 50	1,1,2,2-Tetrachloroethane.....	< 50
Carbon tetrachloride.....	< 50	Tetrachloroethene.....	< 50
Chlorobenzene.....	< 50	1,1,1-Trichloroethane.....	< 50
Chloroethane.....	< 50	1,1,2-Trichloroethane.....	< 50
2-Chloroethylvinyl ether.....	< 50	Trichloroethene.....	< 50
Chloroform.....	< 50	Toluene.....	< 50
Chloromethane.....	< 50	Vinyl chloride.....	< 50
Dibromochloromethane.....	< 50	1,2-Dichlorobenzene.....	< 50
1,1-Dichloroethane.....	< 50	1,3-Dichlorobenzene.....	< 50
1,2-Dichloroethane.....	< 50	1,4-Dichlorobenzene.....	< 50
1,1-Dichloroethene.....	< 50		

SEQUOIA ANALYTICAL LABORATORY

NOTE: Analysis was performed using EPA
methods 8010 and 8020.

Arthur G. Burton
Laboratory Director

KAPREALIAN ENGINEERING, INC.

CHAIN OF CUSTODY

SAMPLER: W. L. Linn (KEE) DATE/TIME OF COLLECTION: 4.13.87 TURNAROUND TIME: 10 Days
(signature) 12⁰⁰ Noon

SAMPLE DESCRIPTION AND PROJECT NUMBER: Mob. - Alameda - 17116 Webster Street

<u>SAMPLE #</u>	<u>ANALYSIS</u>	<u>GRAB OR COMP.</u>	<u>NUMBER OF CONTAINERS</u>	<u>SOIL/WATER</u>
<u>A1</u>	<u>TPH (4-boiling) TOG, 8010 & 8020</u>	<u>grab</u>	<u>1</u>	<u>S</u>

<u>RELINQUISHED BY*</u>	<u>TIME/DATE</u>	<u>RECEIVED BY*</u>	<u>TIME/DATE</u>
<u>W. L. Linn (KEE)</u>	<u>4-13-87</u> <u>7⁰⁰ p.m.</u>	<u>Christoph. LO</u>	<u>SEQUOIA LAB - 13-87</u> <u>1910</u>

* STATE AFFILIATION NEXT TO SIGNATURE

REMARKS: _____