

October 16, 1989
SCI 554.001

10/23/89

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

Mr. Lester Feldman
Environmental Specialist IV, Supervisor
Regional Water Quality Control Board
1111 Jackson Street, Room 6000
Oakland, California 94607

Site Remediation
Mariner Warehouse Site
2410 - 2420 Mariner Square Loop
Alameda, California

Dear Mr. Feldman:

At your request I am forwarding a copy of the Site Remediation Work Plan with addendum and Preliminary Environmental Assessment report prepared for the referenced site. I hope these documents provide the background information you require.

In general, the intent of the proposed remedial activities, is to remove and biologically treat the contaminated soil at the site. Testing of the side walls and bottom of the excavations will be performed to confirm that adequate cleanup has been attained. If a sheen or free product exists at the groundwater surface in the excavations, the water will be removed by a vacuum truck. The water will be transported under manifest to an approved treatment facility.

Contaminated soils will be bio-treated until non-detectable concentrations of total oil and grease (TOG)(i.e., less than 50 ppm) and total extractable hydrocarbons (TEH)(i.e., less than 10 ppm) are attained. As confirmation that acceptable cleanup levels are attained, one sample for every 25 cubic yards will be individually analyzed for TOG and TEH. In addition, a leachability test will be performed on one out of every four confirmation samples of the treated soils. Accordingly, we anticipate conducting one leachability test for each 100 cubic yards of soil to be reused as on-site fill. In general, leachability will be determined by comparing total TOG and TEH concentrations to leachable concentrations. Waste Extraction

■ Subsurface Consultants, Inc.

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Tests (WET) will be performed on selected samples in accordance with Title 26 of the California Code of Regulations to determine leachable concentrations. The extract will be analyzed for TEH using EPA method 8015 modified for TOG using standard method 503E.

The results of the study will be summarized in a letter report complete with analytical methodology and test results, and conclusions regarding the leachability of the treated soils and whether there is a potential threat of water quality degradation due to its reuse as site fill.

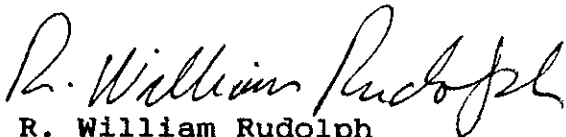
Your comments and input regarding the approach to this study are appreciated. If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.



Jeriann N. Alexander
Civil Engineer 40469 (expires 3/31/91)



R. William Rudolph
Vice President

JNA:RWR:clh

Attachments: Site Remediation Work Plan with addendum
Preliminary Environmental Assessment

cc: Mr. Stan Kintz
✓ Mr. Ariu Levy
Mr. Scott Smithers