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TO: ALAMEDA CO. HEALTH AGENCY  
80 SWAN WAY, Room 200  
OAKLAND, CA  
94621

DATE: 10/23/90

PROJECT NO.: 4454/4

ATTENTION: PAM EVANS

SUBJECT: STAMPED SIGNATURE PAGES  
LAGUNA + SUNNYSIDE REPORTS

We are:  Enclosing  Reports  
 Forwarding  Drawings  
 Per your request  Specifications  
 1 Number of copies (of each)  Other

Description: 1) Phase I Report (4454) February 8, 1989

2) Initial Sunnyside II Report (4454/3) February 16, 1990

Comments: 3) Supplemental Sunnyside II Report (4454/3) June 26, 1990

4) Ground Water Quality Data Letter (4454/3) August 2, 1990

5) CLOSURE PLAN (4454/2) June 16, 1989

6) LAGUNA PARK CLOSURE (4454/4) June 27, 1990 - In folder

Sent by:  First Class Mail  
 Special Delivery  
 Other: \_\_\_\_\_

cc:

E. R. Itell  
Signature of Sender

LIMITATIONS

This report and the work associated with it have been provided in accordance with the general principles and practices currently employed in the environmental consulting profession. This is in lieu of all other warranties, express or implied.

Subsurface exploration of any site is necessarily confined to selected locations and conditions may vary somewhat between and around these locations. Should varied conditions come to light during project development, additional exploration, sampling and testing may be required.

Any person concerned with this project who observes conditions or features of the site or its surrounding areas which are different from those described in this report, should report them immediately to this office for evaluation.

Report prepared by

TERRATECH, INC.



Eric R. Lautenbach  
CE 42437



water findings represents a significant concern. However, this well should not be considered a source of potable water and should be properly closed as soon as possible.

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Report prepared by,

TERRATECH, INC.



Eric R. Lautenbach  
CE 42437



Project 4454/3

June 26, 1990

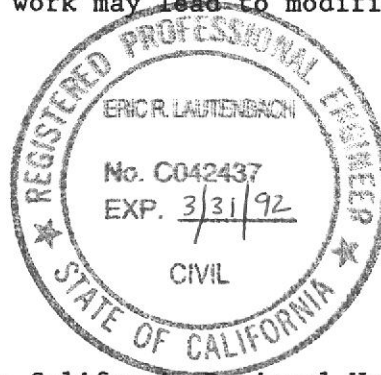
Our opinions and comments have been primarily based on data obtained from subsurface exploration, sampling and testing that is necessarily limited. Information from future work may lead to modifications thereof.

Report Prepared by:

TERRATECH, INC.

*Thomas C. Morin*

Thomas C. Morin  
Environmental Geologist



Reviewed by:

*E. R. Lautenbach*  
Eric R. Lautenbach  
CE 42437

cc: Mr. Lester Feldman; California Regional Water Quality Control Board  
Ms. Pam Evans; Alameda County Health Services  
Mr. Hugh Murphy; Hayward Fire Department



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*E. R. Lautenbach*

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CE 42437



cc: Lester Feldman, California Regional Water Quality Control Board  
Pam Evans, Alameda County Health Agency  
Hugh Murphy, Hayward Fire Department



analysis procedures will be the same as those described in the Laguna Yard Closure Plan. All samples will be individually analyzed. In addition to the laboratory's normal quality assurance/quality control procedures, we plan to submit one "field blank" liner of Monterey sand to be analyzed for each day that verification samples are collected.

If detectable amounts of pesticides are found in a verification sample, a decision on continuing the excavation deeper would be made based on the Risk Assessment and Title 22 criteria. Soil with contamination exceeding Title 22 Total Threshold Limit Concentrations (TTLIC's) or comparable limits established by ERS for chemicals not included in Title 22 would be excavated.

#### Isolation of Excavated Soil

According to the project Civil Engineer, Mr. Ted Cannis, the proposed development will have about 183,000 square feet of roadway coverage. We plan to subexcavate this roadway area to a maximum depth of six feet and use the contaminated soil as replacement backfill. This maximum depth would leave at least five feet of native clayey soil between the base of the fill and first ground water. A member of Terratech's environmental staff will monitor this earthwork to verify compliance. To provide premium protection against surface water infiltration, a full-depth asphalt concrete pavement section is planned.

#### Backfilling of Excavation

It is planned to use a combination of the material set aside from the subexcavation of the streets and import to backfill the excavation. The source of any import to be used will be evaluated for potential toxic concerns prior to hauling. Some degree of verification analysis by a State certified laboratory is anticipated. All backfilling would be subject to geotechnical observation and testing.

#### Contingency for Utility Excavations

The planned precaution steps for utility excavations will be the same as those described in the Laguna Yard Closure Plan.

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