



Applied GeoSystems

43255 Mission Blvd. Suite B Fremont, CA 94539 (415) 651-1906

July 22, 1987
0722sepp
87032-2

Mr. Steve Epperson
Beacon Oil Company
525 W. Third Street
Hanford, California 93230

Subject: Status report: Aeration of hydrocarbon contaminated soil at former Beacon service station #574 at 22315 Redwood road, Castro Valley, California

Mr. Epperson:

This letter serves to inform you of the status of hydrocarbon contaminated, soil aeration operations in progress at the above-referenced site. Approximately 650 yards of contaminated soil were excavated from the tank pit area during tank removal operations and subsequent contamination mitigation work (removal of contaminated soil beneath, and adjacent to the tank cavity). To date, approximately 350 yards of contaminated soil have been aerated, sampled, analyzed, and found to be significantly below the 100 parts per million total hydrocarbons threshold required for on-site reuse of the soil. The Chain of Custody and Record of Analysis forms for the collected soil samples are included with this letter.

Approximately 150 yards of soil were spread and began aerating the week of July 17, 1987, leaving approximately 150 yards of contaminated soil in the spoils pile to be spread for aeration. Depending on weather conditions, aeration operations should be completed within 30 to 40 days. Included with this letter are a site vicinity map and a generalized site plan, showing the location of the site, and relative features at the site.

If you have any questions concerning the content of this letter, or if we can be of further assistance, please do not hesitate to call.

Sincerely,
Applied GeoSystems

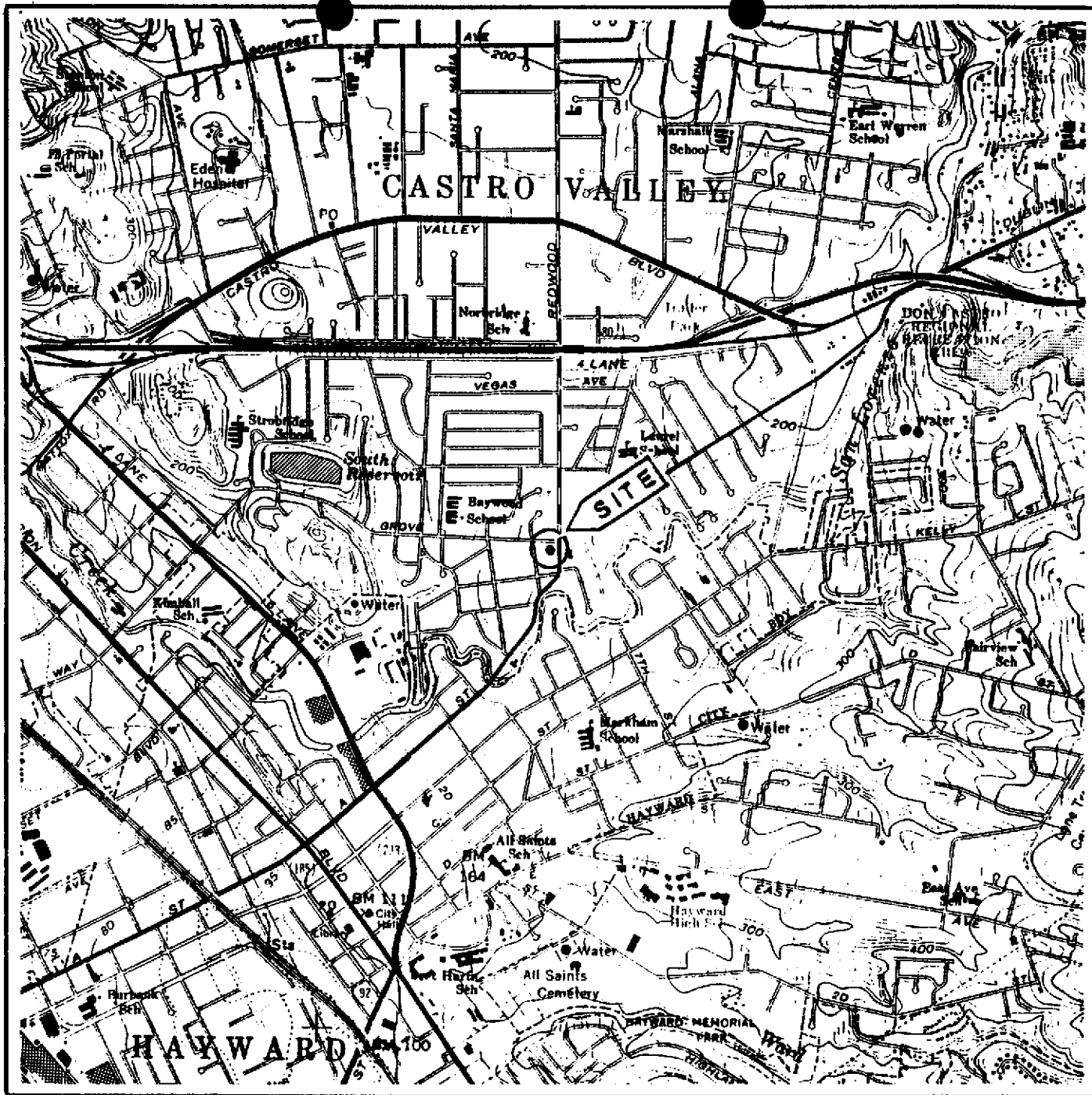


Charles L. Ard
Project Geologist

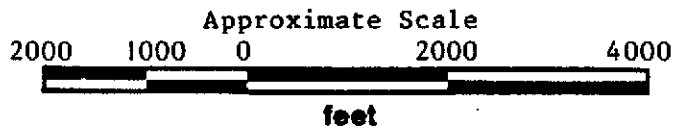


Michael N. Clark
C.E.G. 1264

Attachments: Chain of Custody
Record Of Analysis
Site Vicinity Map
Generalized Site Plan



Source: U.S. Geological Survey
Hayward
7.5 Minute Quadrangle

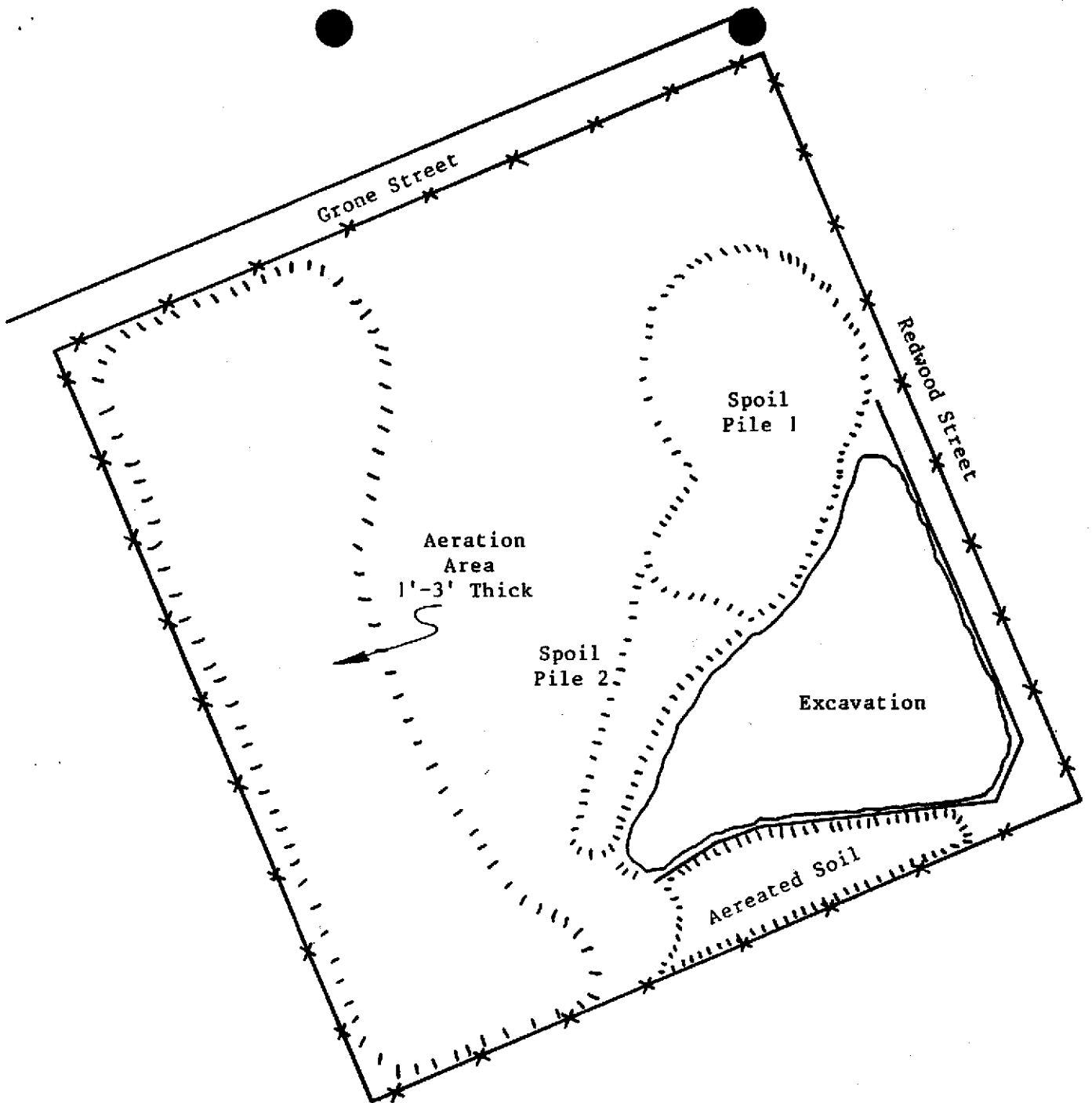


PROJECT NO. 87032-1

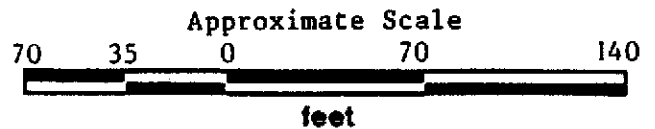
SITE VICINITY MAP
Beacon Station #574
22315 Redwood Road
Castro Valley, California

PLATE

P-1



Source: Measured by Tape and Compass
July 10, 1987



Applied GeoSystems
43255 Mission Blvd. Suite 8 Fremont, CA 94539 (415) 651-7406

PROJECT NO. 87032-1

GENERALIZED SITE PLAN
Beacon Station #574
22315 Redwood
Castro Valley, California

PLATE
P-2



Applied GeoSystems

43255 Mission Blvd. Suite B Fremont, CA 94539 (415) 651-1906

RECORD OF ANALYSIS

Date 5-11-87

Applied GeoSystems
43255 Mission Blvd.
Fremont, CA. 94539

Attention: Glenn R. Dembroff

Date Received: 5-7-87
Date Analyzed: 5-8-87

Laboratory# 8705S033

Procedure:

The soil samples referenced on the attached Chain-of-Custody were analyzed for Total Volatile Hydrocarbons (TVH) by EPA method 8020. The samples were concentrated on a Tekmar LSC-2 and ALS automatic sampler prior to injection into a 5890 Hewlett Packard gas chromatograph fitted with a Flame Ionization detector (FID). The limit of detection for these samples is 0.5 milligrams/kilogram (parts per million = ppm).

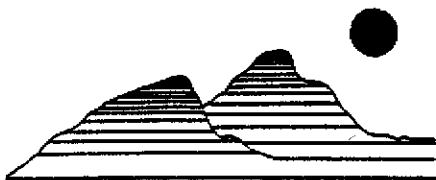
The results are presented in the table below:

| <u>SAMPLE</u> | <u>SITE</u> | <u>TOTAL VOLATILE HYDROCARBONS</u> |
|---------------------|-------------|--|
| (S-NW) COMPOSITE | 87032-2 | 289.4 |
| (S-SW) COMPOSITE | 87032-2 | 2.14 |
| (S-SE) COMPOSITE | 87032-2 | 104.4 |
| (S-NE) COMPOSITE | 87032-2 | 2.89 |

Results in milligrams/kilogram (parts per million = ppm).

Tia Tran, Chemist

Applied GeoSystems is a State of California, Department of Health Services Certified Hazardous Waste Testing Laboratory (No. 153).



Applied GeoSystems

43255 Mission Blvd. Suite B Fremont, CA 94539 (415) 651-1906

RECORD OF ANALYSIS

Date 6-15-87

Applied GeoSystems
43255 Mission Blvd.
Fremont, CA. 94539

Attention: Charles L. Ard

Date Received: 6-10-87
Date Analyzed: 6-12-87

Laboratory# 8706S051

Procedure:

The soil samples referenced on the attached Chain-of-Custody were analyzed for Total Volatile Hydrocarbons (TVH) by EPA method 8020. The samples were concentrated on a Tekmar LSC-2 and ALS automatic sampler prior to injection into a 5890 Hewlett Packard gas chromatograph fitted with a Flame Ionization detector (FID). The limit of detection for these samples is 0.05 milligrams/kilogram (parts per million = ppm).

The results are presented in the table below:

| <u>SAMPLE</u> | <u>SITE</u> | <u>TOTAL VOLATILE HYDROCARBONS</u> |
|--------------------|-------------|--|
| S1(Hi,Avg 1,Avg 2) | 87032-2 | 14.85 |
| S2(Hi,Avg 1,Avg 2) | 87032-2 | 38.63 |

Results in milligrams/kilogram (parts per million = ppm).

Tia Tran, Chemist

Applied GeoSystems is a State of California, Department of Health Services Certified Hazardous Waste Testing Laboratory (No. 153).



Applied GeoSystems

43255 Mission Blvd. Suite B Fremont, CA 94539 (415) 651-1906

RECORD OF ANALYSIS

Date 7-13-87

Applied GeoSystems
43255 Mission Blvd.
Fremont, CA. 94539

Attention: Glenn R. Dembroff

Date Received: 7-10-87
Date Analyzed: 7-13-87

Laboratory# 8707S043

Procedure:

The soil samples referenced on the attached Chain-of-Custody were analyzed for Total Volatile Hydrocarbons (TVH) by EPA method 8020. The samples were concentrated on a Tekmar LSC-2 and ALS automatic sampler prior to injection into a 5890 Hewlett Packard gas chromatograph fitted with a Flame Ionization detector (FID). The limit of detection for these samples is 0.05 milligrams/kilogram (parts per million = ppm).

The results are presented in the table below:

| <u>SAMPLE</u> | <u>SITE</u> | <u>TOTAL VOLATILE HYDROCARBONS</u> |
|---------------|-------------|--|
| S0710-1(ABC) | 87032-2 | 0.46 |
| S0710-2(ABC) | 87032-2 | 0.85 |
| S0710-3(ABC) | 87032-2 | 0.50 |

Results in milligrams/kilogram (parts per million = ppm).

Tia Tran, Chemist

Applied GeoSystems is a State of California, Department of Health Services Certified Hazardous Waste Testing Laboratory (No. 153).