



Applied GeoSystems

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

RECEIVED

OCT 19 1987

October 16, 1987
ENVIRONMENTAL HEALTH
ADMINISTRATION 87052-2

Mr. Ted Gerow
470 27th Street
Third Floor
Oakland, California 94612

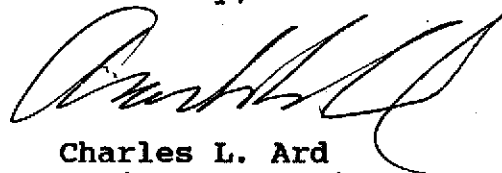
Subject: Transmittal of status report of soil aeration operations conducted at the site of former Beacon Station No.574, 22315 Redwood Road, Castro Valley, California.

Mr. Gerow:

At the request of Mr. Bill Wagner I am forwarding a copy of the progress reports for the operations conducted at the above referenced site. Operations are complete and a formal letter report will follow.

Please do not hesitate to call if you have any questions.

Sincerely,



Charles L. Ard
Project Geologist



Applied GeoSystems

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September 1, 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:

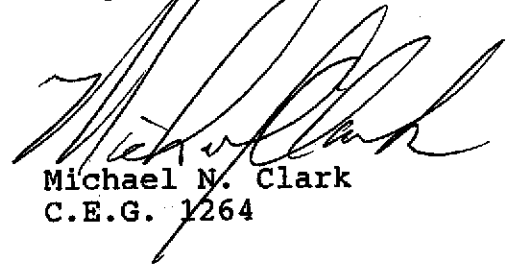
This letter serves to inform you of the completion of hydrocarbon contaminated, soil aeration operations at at the above-referenced site. Approximately 650 yards of contaminated soil were excavated from the tank pit area during tank removal operations and subsequent contamination mitigation work (removal of contaminated soil beneath, and adjacent to the tank cavity). To date, the 650 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.

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

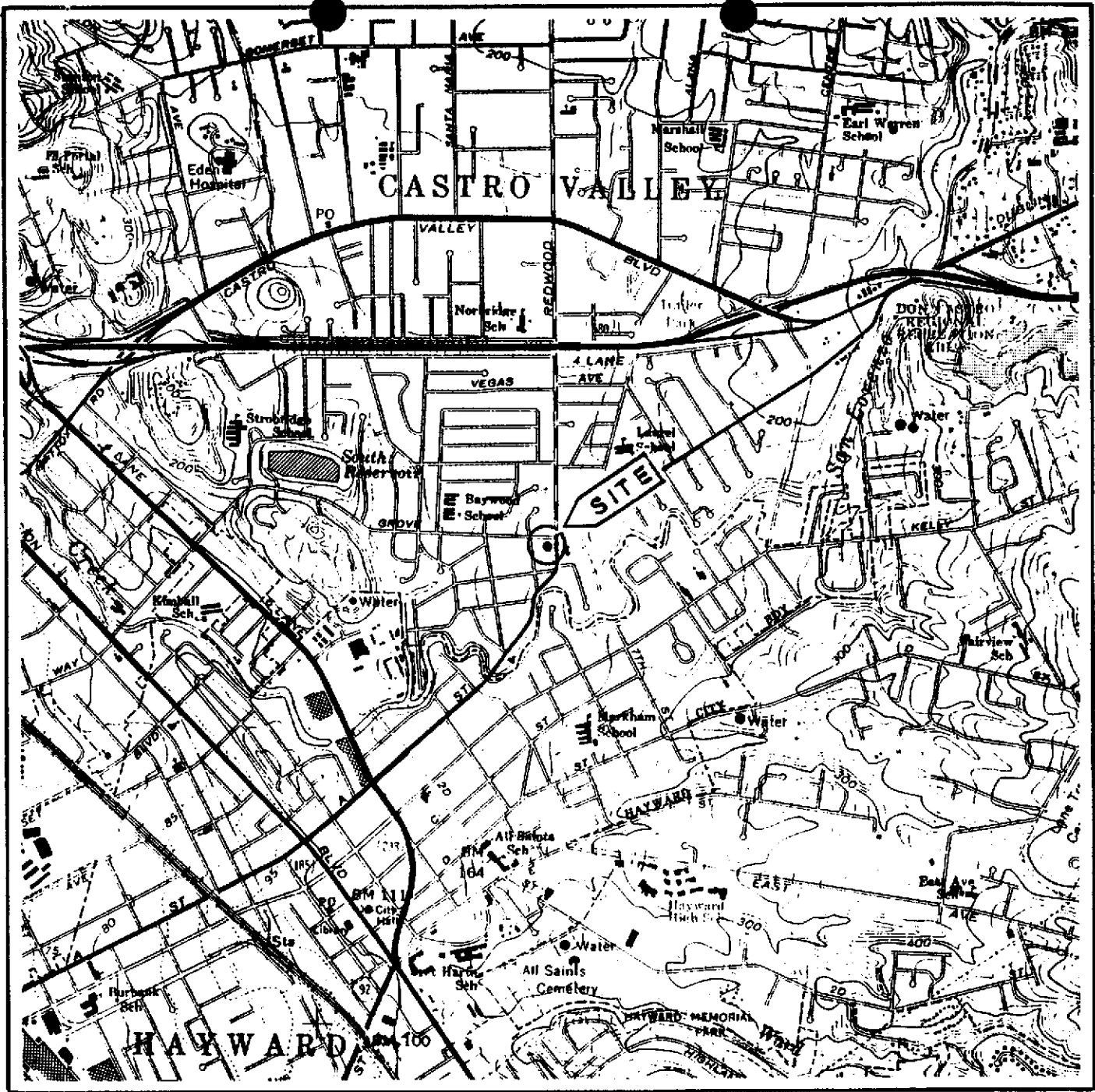


Charles L. Ard
Project Geologist

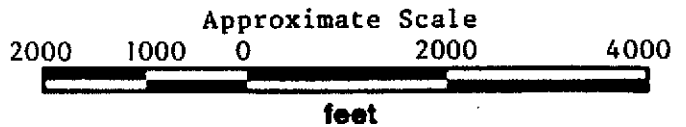


Michael N. Clark
C.E.G. 1264

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



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



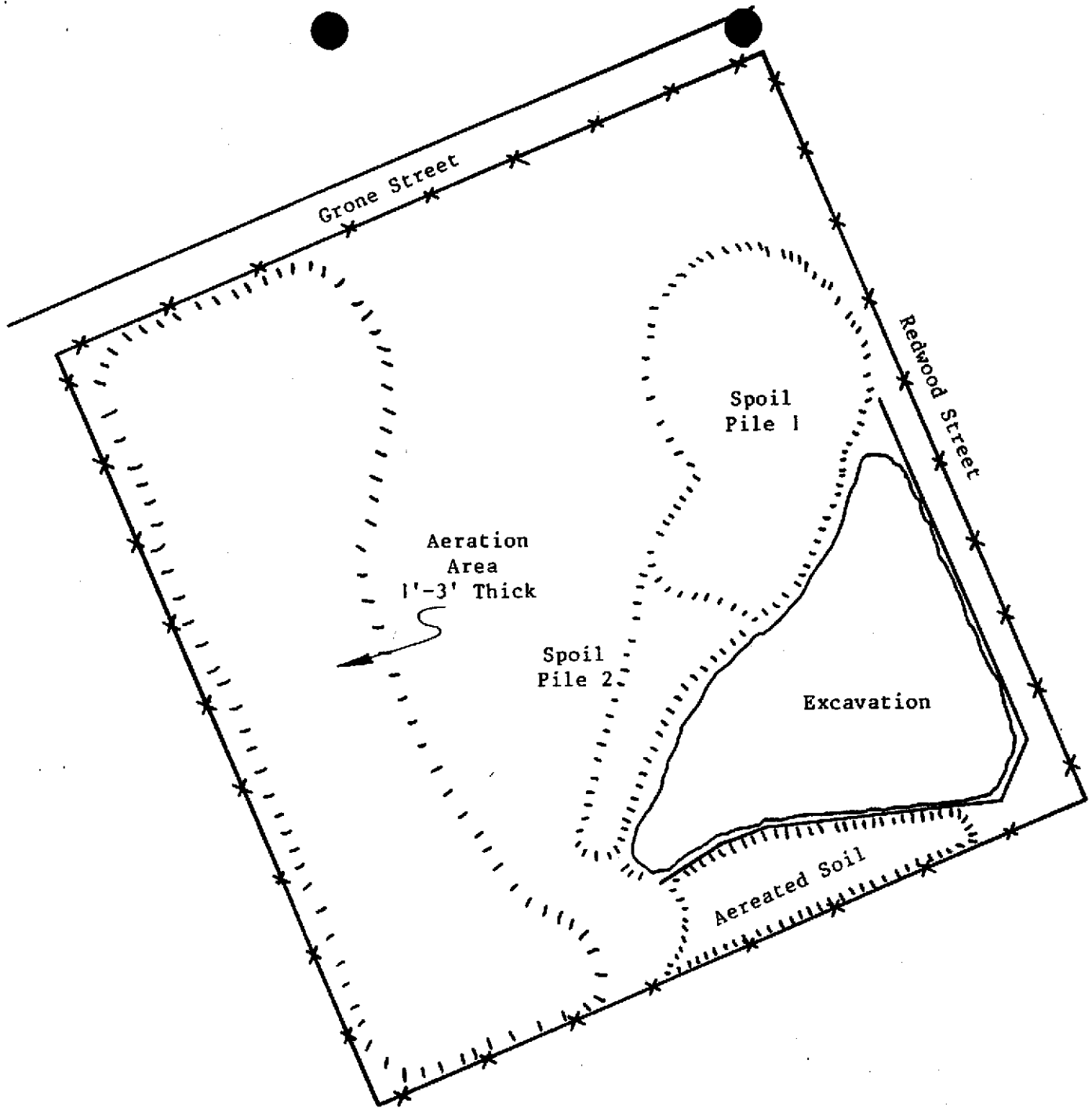
Applied GeoSystems
 41275 Newton Blvd Suite B Fremont, CA 94539 (415) 651-1900

PROJECT NO. 87032-1

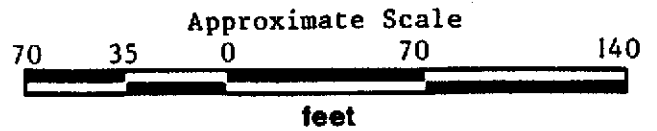
SITE VICINITY MAP
 Beacon Station #574
 22315 Redwood Road
 Castro Valley, California

PLATE

P-1



Source: Measured by Tape and Compass
July 10, 1987



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43255 Mission Blvd. Suite 8 Fremont, CA 94539 (415) 651-1906

PROJECT NO. 87032-1

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

PLATE

P-2



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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).

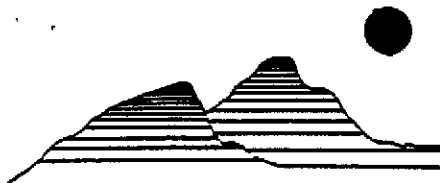
The results are presented in the table below:

<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

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



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RECORD OF ANALYSIS

Date 7-30-87

Applied GeoSystems
43255 Mission Blvd.
Fremont, CA. 94539

Attention: Charles L. Ard

Date Received: 7-22-87

Laboratory# 8707S094

Date Analyzed: 7-23-87

Procedure:

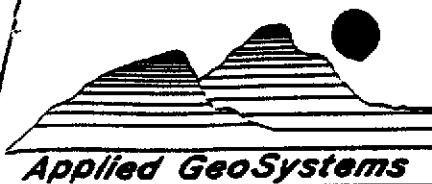
The soil samples referenced on the attached Chain-of-Custody were analyzed for Total Volatile Hydrocarbons (TVH) by EPA method 8020. The samples were concentrated on a Tekmar LSC-2 and ALS automatic sampler prior to injection into a 5890 Hewlett Packard gas chromatograph fitted with a Flame Ionization 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>
S0721(1,2,3)A	87032-2	4.76
S0721(4,5,6)A	87032-2	0.47
S0721(7,8,9)A	87032-2	1.79

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

Tia Tran, Chemist



RECORD OF ANALYSIS

Date 8-25-87

Applied GeoSystems
43255 Mission Blvd.
Fremont, CA. 94539

Attention: Charles L. Ard

Date Received: 8-25-87
Date Analyzed: 8-25-87

Laboratory# 8708S122

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>
S0824-1(ABC)	87032-2	0.94
S0824-2(ABC)	87032-2	0.35
S0824-3(ABC)	87032-2	0.53

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

Tia Tran, Chemist