

BASELINE

ENVIRONMENTAL CONSULTING TRANSMITTAL

TO: Ms. MaryJo Meyers
Alameda County, Hazardous Materials
80 Swann Way, Room 200
Oakland, CA 94621

DATE: 10 January 1989
PROJECT NO.: S8-172

SUBJECT: Unauthorized Release at 2700 7th Street, Oakland

ENCLOSED PLEASE FIND:

| <u>Copies</u> | <u>Description</u> |
|---------------|--|
| 1 | Laboratory Report for soil samples collected by Aqua-Science, as part of tank removal. |

As requested
 For your use
 For your signature

For your review and comment
 Returned after loan to us

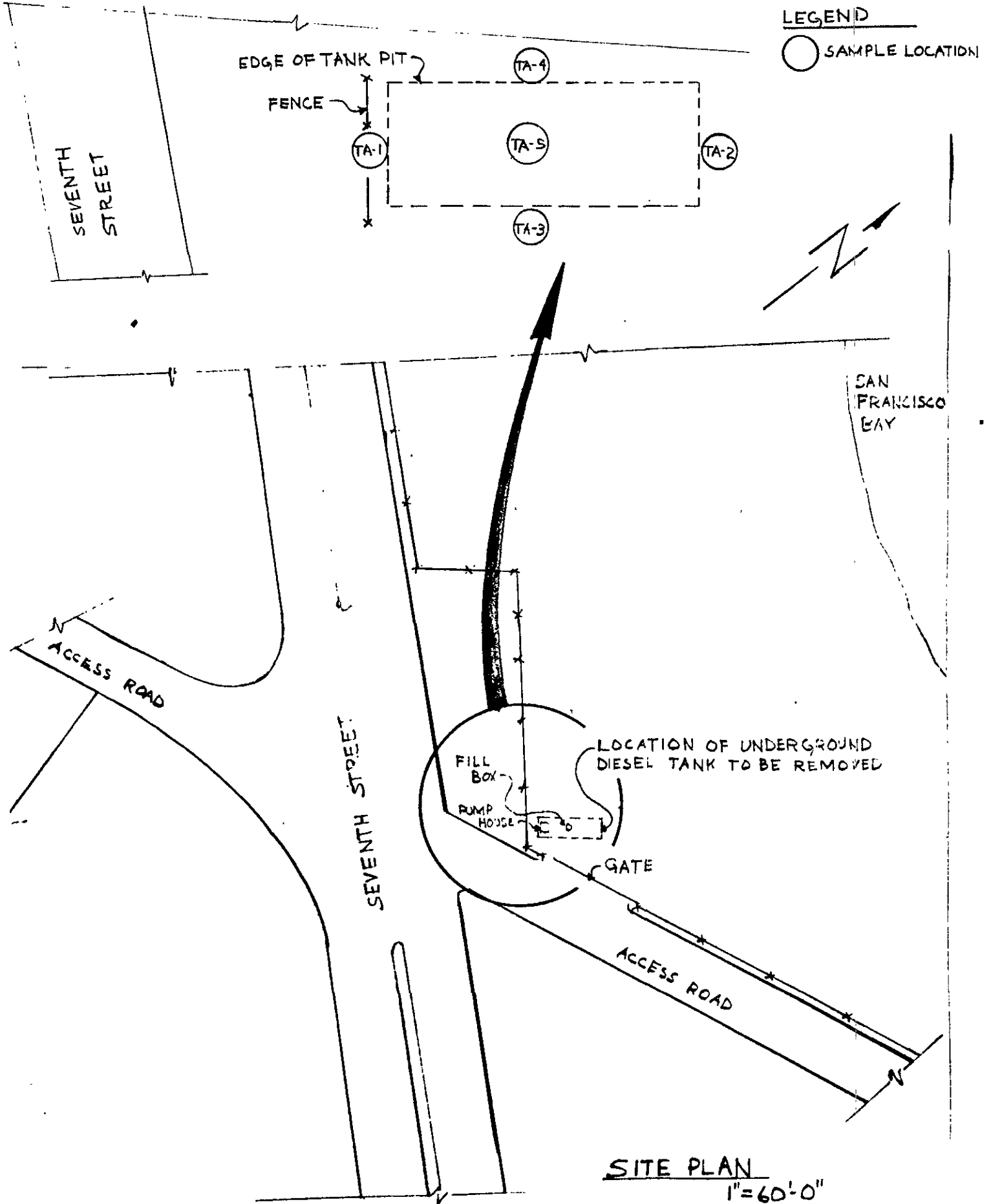
COMMENTS:

cc: Ms. Michele Heffes, Port of Oakland

TRANSMITTED BY:

Yane Nordhav
Yane Nordhav

4. Site Plan at 2700 Seventh Street, Oakland



CC0251

P.O. Box 535, San Ramon, CA 94583-0535



(415) 820-9391

Project Name: EVANS BRO. Site: PORT OF OAKLAND Date: 11/21/88 Laboratory: CURTIS TOMPKINS

| Sample ID | Sample/Container Type | Analyze/ Hold | Analyze For: | Method - Detection Limit | Notes/Remarks |
|-----------|-----------------------|---------------|----------------------|--------------------------|--------------------------|
| <u>#1</u> | <u>G</u> | | <u>TPH as Diesel</u> | | <u>24 hr Turn Around</u> |
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S = Soil W = Water O = Other
G = Glass BT = Brass Tube P = Plastic V = Vial Q = Other

Chain of Custody

1. Sampled by: Steve Dellope
 2. Courier: Steve Dellope
 3. Received by Lab: [Signature]
 Date: 11/21/88 Time: 1525
 4. Received in Office: Date: _____

- = Collate all samples for single analysis.
- = Collate and analyze two top samples and if clean, do not analyze other sample.
- = Call ASE for instructions.
- = See attached protocol.



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16262
CLIENT: AQUA SCIENCE ENGINEERS INC.
PROJECT NAME: EVANS BRO./PORT OF OAKLAND
JOB #: CC0251

DATE RECEIVED: 11-21-88
DATE ANALYZED: 11-22-88
DATE REPORTED: 11-22-88

Total Heavy Petroleum Hydrocarbons in Aqueous Solutions
EPA 8015 (Modified)
Extraction Method: EPA 3510

| LAB ID | CLIENT ID | KEROSINE (mg/L) | DIESEL (mg/L) | OTHER (mg/L) |
|---------|-----------|--------------------|------------------|-----------------|
| 16262-1 | #1 | ND(0.05) | ND(0.05) | 1.7 * |

* Fingerprint pattern does not match Hydrocarbon Standards. Quantitation based on largest peaks C12-C24 boiling range.

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

| | |
|----------------------------------|-----|
| Duplicate: Relative % Difference | 8 |
| Spike: % Recovery | 100 |

RECEIVED
DEC 6 1988
AQUA SCIENCE ENG.

LABORATORY DIRECTOR

Berkeley

Wilmington

Los Angeles

CCO258

P.O. Box 535, San Ramon, CA 94583-0535



(415) 820-9391

Project Name: PORT OF OAKLAND Site: 2700 7th Street Date: 11/28/88 Laboratory: Curtis Tomkins

| Sample ID | Sample/Container Type | Analyze/ Hold | Analyze For: | Method - Detection Limit | Notes/Remarks |
|-------------|-----------------------|---------------|-----------------------|--------------------------|---------------|
| <u>TA-1</u> | <u>S/BT</u> | <u>A</u> | <u>TPH & BTXE</u> | | |
| <u>TA-2</u> | <u>↓</u> | <u>A</u> | <u>↓</u> | | |
| <u>TA-3</u> | <u>↓</u> | <u>A</u> | <u>↓</u> | | |
| <u>TA-4</u> | <u>S/BT</u> | <u>A</u> | <u>↓</u> | | |
| <u>TA-5</u> | <u>W/G 11/hr</u> | <u>A</u> | <u>TPH & BTXE</u> | | |
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S = Soil W = Water O = Other
G = Glass BT = Brass Tube P = Plastic V = Vial Q = Other

Chain of Custody

1. Sampled by: Gregory R. Biny
 2. Courier: Gregory R. Biny
 3. Received by Lab: [Signature]
 Date: 11/28/88 Time: 10:45
 4. Received in Office: Date: _____

- = Collate all samples for single analysis.
- = Collate and analyze two top samples and if clean, do not analyze other sample.
- = Call ASE for instructions.
- = See attached protocol.



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16285
 CLIENT: AQUA SCIENCE ENGINEERS INC.
 PROJECT: PORT OF OAKLAND
 JOB #: CC0258

DATE RECEIVED: 11-28-88
 DATE ANALYZED: 12-09-88
 DATE REPORTED: 12-20-88
 PAGE 1 OF 7

Total Heavy Petroleum Hydrocarbons in Aqueous Solutions
 EPA 8015 (Modified)
 Extraction Method: EPA 3510

| LAB ID | CLIENT ID | KEROSINE (mg/L) | DIESEL (mg/L) | OTHER (mg/L) |
|---------|-----------|--------------------|------------------|-----------------|
| 16285-1 | TA - 5 | ND(0.05) | ND(0.05) | 2.4 * |

* Fingerprint pattern does not match Hydrocarbon Standards. Quantitation based on largest peaks within C12-C24 boiling range.

ND - Not Detected; Limit of detection in parentheses.

[Handwritten Signature]

 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16285
 CLIENT: AQUA SCIENCE ENGINEERS, INC.
 PROJECT: PORT OF OAKLAND
 JOB #: CC0258

DATE RECEIVED: 11-28-88
 DATE ANALYZED: 12-09-88
 DATE REPORTED: 12-20-88
 PAGE 2 OF 7

Total Heavy Petroleum Hydrocarbons in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 3550

| LAB ID | CLIENT ID | KEROSENE (mg/Kg) | DIESEL (mg/Kg) | OTHER (mg/Kg) |
|---------|-----------|---------------------|-------------------|------------------|
| 16285-1 | TA - 1 ** | ND(10) | ND(10) | 2,600 * |
| 16285-2 | TA - 2 | ND(10) | ND(10) | ND(10) |
| 16285-3 | TA - 3 | ND(10) | ND(10) | 49 * |
| 16285-4 | TA - 4 | ND(10) | ND(10) | ND(10) |

* Fingerprint pattern does not match hydrocarbon standards; Quantitati based on largest peaks within C12-C24 boiling range.

** Sample TA-1 also contains 3,800 mg/Kg gasoline.

ND = Not Detected; Limit of detection in parentheses.



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16285-1
 CLIENT: AQUA SCIENCE ENGINEERS, INC.
 JOB #: CC0258/PORT OF OAKLAND
 SAMPLE ID: TA - 1

DATE RECEIVED: 11-28-88
 DATE ANALYZED: 12-09-88
 DATE REPORTED: 12-20-88
 PAGE 3 OF 7

EPA 8020: Volatile Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 5030 - Purge & Trap

| COMPOUND | Result ug/Kg | LOD ug/Kg |
|--------------------------|-----------------|--------------|
| Benzene..... | 1,100 | 1000 |
| Toluene..... | 7,400 | 1000 |
| Ethyl Benzene..... | 2,500 | 1000 |
| Total Xylenes..... | 116,000 | 1000 |
| Chlorobenzene..... | ND | 1000 |
| 1,4-Dichlorobenzene..... | ND | 1000 |
| 1,3-Dichlorobenzene..... | ND | 1000 |
| 1,2-Dichlorobenzene..... | ND | 1000 |

ND = None Detected. Limit of detection (LOD) in last column.

QA/QC:

Duplicate: Relative % Difference
 Average Spike Recovery %

3
 104



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2323 Fifth Street, Berkeley, CA 94710. Phone (415) 486-0900

LABORATORY NUMBER: 16285-2
 CLIENT: AQUA SCIENCE ENGINEERS, INC.
 JOB #: CC0258/PORT OF OAKLAND
 SAMPLE ID: TA - 2

DATE RECEIVED: 11-28-88
 DATE ANALYZED: 12-09-88
 DATE REPORTED: 12-20-88
 PAGE 4 OF 7

EPA 8020: Volatile Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 5030 - Purge & Trap

| COMPOUND | Result ug/Kg | LOD ug/Kg |
|--------------------------|-----------------|--------------|
| Benzene..... | ND | 5 |
| Toluene..... | ND | 5 |
| Ethyl Benzene..... | ND | 5 |
| Total Xylenes..... | ND | 5 |
| Chlorobenzene..... | ND | 5 |
| 1,4-Dichlorobenzene..... | ND | 5 |
| 1,3-Dichlorobenzene..... | ND | 5 |
| 1,2-Dichlorobenzene..... | ND | 5 |

ND = None Detected. Limit of detection (LOD) in last column.

QA/QC:

Duplicate: Relative % Difference
 Average Spike Recovery %

3
 104



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16285-3
 CLIENT: AQUA SCIENCE ENGINEERS, INC.
 JOB #: CC0258/PORT OF OAKLAND
 SAMPLE ID: TA - 3

DATE RECEIVED: 11-28-88
 DATE ANALYZED: 12-09-88
 DATE REPORTED: 12-20-88
 PAGE 5 OF 7

EPA 8020: Volatile Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 5030 - Purge & Trap

| COMPOUND | Result ug/Kg | LOD ug/Kg |
|--------------------------|-----------------|--------------|
| Benzene..... | ND | 5 |
| Toluene..... | ND | 5 |
| Ethyl Benzene..... | ND | 5 |
| Total Xylenes..... | ND | 5 |
| Chlorobenzene..... | ND | 5 |
| 1,4-Dichlorobenzene..... | ND | 5 |
| 1,3-Dichlorobenzene..... | ND | 5 |
| 1,2-Dichlorobenzene..... | ND | 5 |

ND = None Detected. Limit of detection (LOD) in last column.

QA/QC:

Duplicate: Relative % Difference
 Average Spike Recovery %

3
104



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
 2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16285-4
 CLIENT: AQUA SCIENCE ENGINEERS, INC.
 JOB #: CC0258/PORT OF OAKLAND
 SAMPLE ID: TA - 4

DATE RECEIVED: 11-28-88
 DATE ANALYZED: 12-09-88
 DATE REPORTED: 12-20-88
 PAGE 6 OF 7

EPA 8020: Volatile Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 5030 - Purge & Trap

| COMPOUND | Result ug/Kg | LOD ug/Kg |
|--------------------------|-----------------|--------------|
| Benzene..... | ND | 5 |
| Toluene..... | ND | 5 |
| Ethyl Benzene..... | ND | 5 |
| Total Xylenes..... | ND | 5 |
| Chlorobenzene..... | ND | 5 |
| 1,4-Dichlorobenzene..... | ND | 5 |
| 1,3-Dichlorobenzene..... | ND | 5 |
| 1,2-Dichlorobenzene..... | ND | 5 |

ND = None Detected. Limit of detection (LOD) in last column.

QA/QC:

Duplicate: Relative % Difference
 Average Spike Recovery %

3
 104



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16285-5
 CLIENT: AQUA SCIENCE ENGINEERS, INC.
 JOB #: CC0258/PORT OF OAKLAND
 SAMPLE ID: TA - 5

DATE RECEIVED: 12-09-88
 DATE ANALYZED: 12-09-88
 DATE REPORTED: 12-20-88
 PAGE 7 OF 7

EPA 602: Volatile Aromatic Hydrocarbons in Water

| COMPOUND | RESULT ug/L | DETECTION LIMIT ug/L |
|--------------------------|----------------|----------------------------|
| Benzene..... | ND | 1 |
| Toluene..... | ND | 1 |
| Ethyl Benzene..... | ND | 1 |
| Total xylenes..... | ND | 1 |
| Chlorobenzene..... | ND | 1 |
| 1,4-Dichlorobenzene..... | ND | 1 |
| 1,3-Dichlorobenzene..... | ND | 1 |
| 1,2-Dichlorobenzene..... | ND | 1 |

ND = None Detected

QA/QC SUMMARY

| | |
|------------------|-----|
| RPD % | 3 |
| SPIKE RECOVERY % | 104 |