SOIL EXCAVATION, AND DISPOSAL REPORT: PROJECT #060-185-01

COATES PROPERTY
33 LA SALLE AVE.
PIEDMONT, CALIFORNIA

PREPARED BY ENVIRONMENTAL BIO-SYSTEMS, INC.

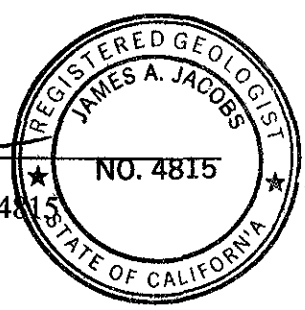
FOR

MRS. DOROTHY COATES
33 LA SALLE AVE.
PIEDMONT, CA

Timothy M. Babcock
Environmental Scientist

Reviewed by:

James A. Jacobs
Registered Geologist #4815



December 9, 1991

TABLE OF CONTENTS

1.0) INTRODUCTION

This document contains information regarding the recent excavation and removal of soil conducted for Mrs. Dorothy Coates (the client) at a residential Property located at 33 La Salle Ave. in Piedmont, California (the Site) by Environmental Bio-Systems, Inc. (EBS).

The site was owned and occupied by Mrs. Dorothy Coates at the time of excavation. The principal site contacts are:

Client Contact - Ms. Audrey Bell, (415) 468-1234. has power of Attorney for Ms. Coates —

Property Owner - Ms. Dorothy Coates, 33 La Salle Avenue, Piedmont, CA 94611, (510) 420-1744.

Consultant - Environmental Bio-Systems, Inc., 30028 Industrial Parkway Southwest, Suite C, Hayward, CA 94544, (510) 429-9988. Project Manager - Timothy M. Babcock.

2.0) PURPOSE AND SCOPE OF WORK

This scope of work was requested by the client to address the detected presence of hydrocarbon impacted soil as indicated by past environmental explorations performed at the above mentioned site. The description of tasks included in this report encompasses the excavation and removal of the contaminated soil, collection and analysis of soil samples from the perimeter of the excavation, and the presentation a report outlining the observations and results of the work performed.

The reported work included the following tasks:

1. Excavation, by backhoe, of soil from the area of the former underground storage tank (UST).

2. Chemical analysis of soil samples collected from the perimeter of the excavation for total oil and grease (TOG) and total petroleum hydrocarbons as diesel (TPHd).

3. Chemical analysis of a composite of soil samples collected from the excavated soil for the purposes of characterization and profiling.

4. Backfilling and compaction of the excavated area.

5. Transportation and disposal of excavated soil at a landfill permitted to accept the soil as indicated by characterization and profiling.

6. Submission of a report documenting the results of analyses and field observations.

3.0) SITE DESCRIPTION

The site is located at 33 La Salle Avenue in the City of Piedmont and County of Alameda. A Site Location Map has been presented as Figure 1. A Site Diagram showing the locations of previous sample locations as well as relevant site structures and references, has been included in this report as Figure 2. The locations of samples collected through this scope of work are included as Figure 3.

At the time of sampling, one single family residence was present on the site. The topography of the site slopes sharply from the back (northwest) of the property southeast toward La Salle Avenue.

4.0) PREVIOUS ENVIRONMENTAL WORK

On July 25, 1990, the client contracted Accutite to remove one 550 gallon underground storage tank (UST) from the site. Sampling of soil from beneath the tank was performed by the contractor at the time of sampling. The results of laboratory analysis performed on these soil samples showed detectable concentrations of total petroleum hydrocarbons as diesel (TPHd) and total oil and grease (TOG). No written documentation showing the location of the UST or subsequently collected soil samples was submitted by the contractor.

On August 29, and August 30, 1991 EBS personnel extracted 7 continuously sampled soil cores at the site. Soil samples were retained and analyzed at an appropriately permitted laboratory. A report outlining the results of field observations and laboratory analyses was submitted on September 9, 1991.

5.0) FIELD PROCEDURES

On September 29, 1991, soil excavation was performed in the area of the UST pit using a backhoe. The initially planned excavation was centered around the location of soil coring EB3 (Figure 2). Analysis of soil from this coring had previously indicated levels of TOG and TPHd of 150 parts per million (ppm) and 250 ppm, respectively. Additional excavation was

targeted to re-sample the interface of backfill and native soil/rock below the former UST location.

The physical location of the former UST in proximity to the client's house, as well as the driveway of an adjacent residence, imposed limitations on the lateral extent to which excavation was possible. The excavation was extended to the farthest possible point to the northwest of the UST pit without endangering an over-head extension of the house.

The maximum vertical extent of excavation was reached at a depth of 6-1/2-feet below grade due to the presence of unfractured sandstone bedrock through which the backhoe was unable to dig. Field observations of soil and sandstone rock removed from above this depth were inconclusive as to the presence of fuel-oil. A greenish discoloration and strong septic odor became increasingly evident as the excavation extended toward an alleged sewer line reported to be present in the adjacent driveway near the UST pit. At a depth of 6-1/2-feet below the southeast end of the retaining wall which borders between the UST pit and the adjacent driveway, a small volume of water (less than 2-liters) was noted to have accumulated in the bottom of the excavation. Observation of the water revealed the presence of a heavy, oily sheen, with a strong odor noted to resemble diesel.

Is this perched water? or what

The excavation was extended to the edge of the adjacent driveway and approximately 8-feet to the southeast along the driveway. Field observations of sandstone rock removed from beneath the driveway at the northeast wall of the excavation at depths of from 3-1/2 to 6-1/2-feet below grade, indicated staining and a diesel-like odor. At the southwest and southeast walls of the excavation, as well as the southern end of the northeast wall, neither staining nor odor were noted.

Due to the close proximity of the excavation to the house and driveway, and the encountered presence of unfractured bedrock, the maximum practical extent of excavation was assumed to have been reached. Soil samples were collected from approximate intervals of 5-feet in the excavation walls at depths of 3-1/2 to 4-feet below grade. Soil samples were also collected from the bottom of the pit from a depth of 6-1/2-feet below grade. One composite soil sample was collected from the approximately 7-cubic yards of soil excavated.

The excavated soil was placed on top of visqueen. A visqueen cover was applied to protect the storage pile from rainwater intrusion during the interval prior to transportation and disposal.

The excavation was backfilled to grade with clean, imported soil and compacted using the backhoe bucket.

On October 2, 1991, the soil storage pile was removed from the site for ultimate disposal at Port Costa Materials, a facility permitted to accept the soil as profiled.

6.0) SAMPLING METHODOLOGY

Soil samples were collected using 6" brass liners and a wooden hammer. The ends of the brass liners containing soil designated for laboratory analysis were wrapped with aluminum foil and sealed with plastic caps. Duct tape was wrapped around the cap at its joint with the liner to reduce the loss of volatile constituents.

Composite samples consisted of 4 brass tubes of soil, collected and prepared as described above. Each of the tubes was transported intact for compositing at the laboratory.

The sample tubes were labelled and stored in a cooler on ice. A chain of custody was maintained for the samples throughout transmittal.

7.0) SAMPLE ANALYSIS

The soil samples collected from the walls and floor of the excavation (C1 - C10) were analyzed at Anametrix, Inc., a certified hazardous materials testing laboratory. Analyses run on the samples included TPH calculated as diesel using a modified EPA method 8015, and TOG using method 5520 B&F.

The composite soil sample collected from the storage pile of excavated soil and rock (C11) was analyzed at Sequoia Analytical, a hazardous materials testing laboratory certified to perform additional analyses required for the characterization and profiling of the soil. Analyses run on the sample included reactivity, corrosivity, and ignitability (RCI), TPH as heating oil (equivalent to TPHd), and the heavy metals Arsenic, Barrium, Cadmium, Chromium, Copper, Lead, Nickel Silver, Zinc, Selenium, and Mercury.

Analytical methods used by Anametrix, Inc. and Sequoia Analytical were consistent with the San Francisco Regional Water Quality Control Board (SFRWQCB) guidelines and approved analytical methodologies specified in EPA document SW-846.

8.0) RESULTS OF ANALYSES

Copies of the laboratory reports and chain of custody documentation maintained during transportation of the samples are included in Appendix A. The results of analyses are summarized in Table 1.

9.0) CONCLUSIONS

The area of excavation is bracketed by a house to the southwest, an overhead extension of the house to the northwest, and a driveway (owned by the adjacent neighbor) to the northeast.

A UST of unknown volume is present in the subsurface of the adjacent property. The neighbor's UST lies approximately 10 to 15-feet to the northeast of the excavation.

A small volume of water with a septic odor was observed to have accumulated in the excavation at its' border with the adjacent property's driveway. A sewer line is alleged by the client and owners of the adjacent property, to run along the driveway at the northeast edge of the excavation.

Weathered and fractured sandstone bedrock was encountered at a depth of 1-foot. Unfractured sandstone bedrock was encountered throughout the excavation from a depth of approximately 5-feet. Excavation using a CASE 580 backhoe was not practical below a depth of 6-1/2-feet.

Concentrations of both TPHd and TOG in excess of 1,000 ppm were encountered at a majority of the sampling locations chosen in both the walls and floor of the excavation. Concentrations of TPHd and TOG in excess of

1,000 ppm were found in bedrock at 3 to 4-feet below grade at the boundary of the site to the property directly adjacent to the pit.

The results of analyses run on a composite sample of the excavated soil revealed a profile consistent with the requirements of Port Costa Materials, the disposal destination.

10.0) REPORTAGE

We recommend that you forward copies of this report to the regulatory agencies and representatives listed below. Copies of this report have been included for this purpose. It is important that a signed cover letter from you be included with each forwarded report.

California Regional Water Quality Control Board
San Francisco Bay Region
1800 Harrison Street, Suite 3
Oakland, CA 94559
Attn: Richard C. Hiett

Alameda County Health Agency
Division of Hazardous Materials
Dept. of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621
Attn: Larry Seto

11.0) LIMITATIONS

The recommendations in this report were developed in accordance with generally accepted standards of current environmental practice in Northern California. These recommendations are time-dependant and should not be considered valid after one year from the date of issue of this report. After the one year period, site conditions and these recommendations should be reviewed.

This exploration was done solely for the purpose of evaluating environmental conditions of the soil related to hydrocarbon product contamination at the subject site. No soil engineering or geotechnical references are implied or should be inferred.

Evaluation of the conditions of the site, for the purposes of this study, was made from a limited number of observation points. Subsurface conditions may deviate away from these points. Additional work, including further study of the subsurface, can reduce the inherent uncertainties associated with this type of study.

This study was performed and the report was prepared for the sole use of our client, Ms. Dorothy Coates. It is the responsibility of the Client to convey these recommendations to regulatory agencies and other parties, as appropriate.

The recommendations herein are professional opinions that our firm has endeavored to provide with competence and reasonable care. We are not able to eliminate the risks associated with environmental work. No guarantees or warrants, express or implied, are provided regarding our recommendations.

TABLE 1 - ANALYTICAL RESULTS FOR SOIL SAMPLES FROM THE PIT WALL AND FLOOR (results in mg/L) Kg

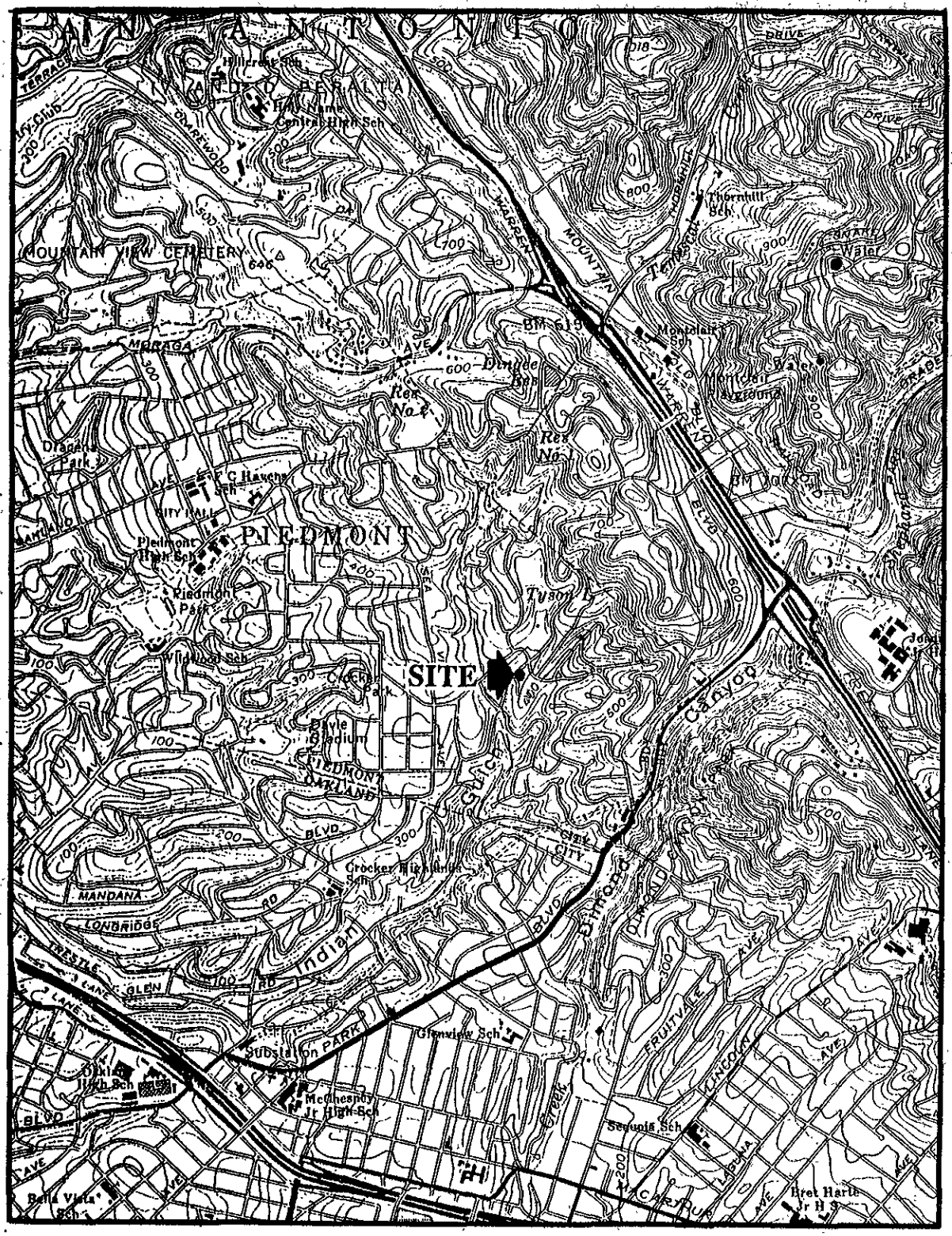
SAMPLE #	TPH AS HEATING OIL	TOTAL OIL AND GREASE
C1	4,500	2,400
C2	13,000	12,000
C3	5,600	4,300
C4	7,500	4,500
C5	9,100	6,500
C6	15,000	8,000
C7	2,400	1,900
C8	750	750
C9	3,300	980
C10	7,600	990

* ND = Analyte not detected.
Note: Detection limits used - TPH as diesel = 10 mg/L, TOG = 30 mg/L.

TABLE 1- ANALYTICAL RESULTS FOR COMPOSITE SAMPLE FROM THE SOIL STORAGE PILE (results in mg/L or as stated)

SAMPLE #	TPH heating oil	REACTIVITY	CORROSIVITY	IGNITABILITY	**METALS
C1	350	with sulfide- *ND "" water- ND "" cyanide- Neg.	pH = 7.5	>100 Celsius	As- 3.0 Ba- 60 Cd- ND Cr- 10 Cu- 5.0 Pb- 19 Ni- 13 Ag- 1.4 Zn- 50 Se- 1.5 Hg- 0.11

* ND = Analyte not detected.
Note: Detection limits used - TPH as diesel = 10 mg/L, RCI & metals as stated on Laboratory reports.



Source: USGS Topographic Map SW/4 Concord Quandrangle

SCALE - **1:24000**

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment

30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

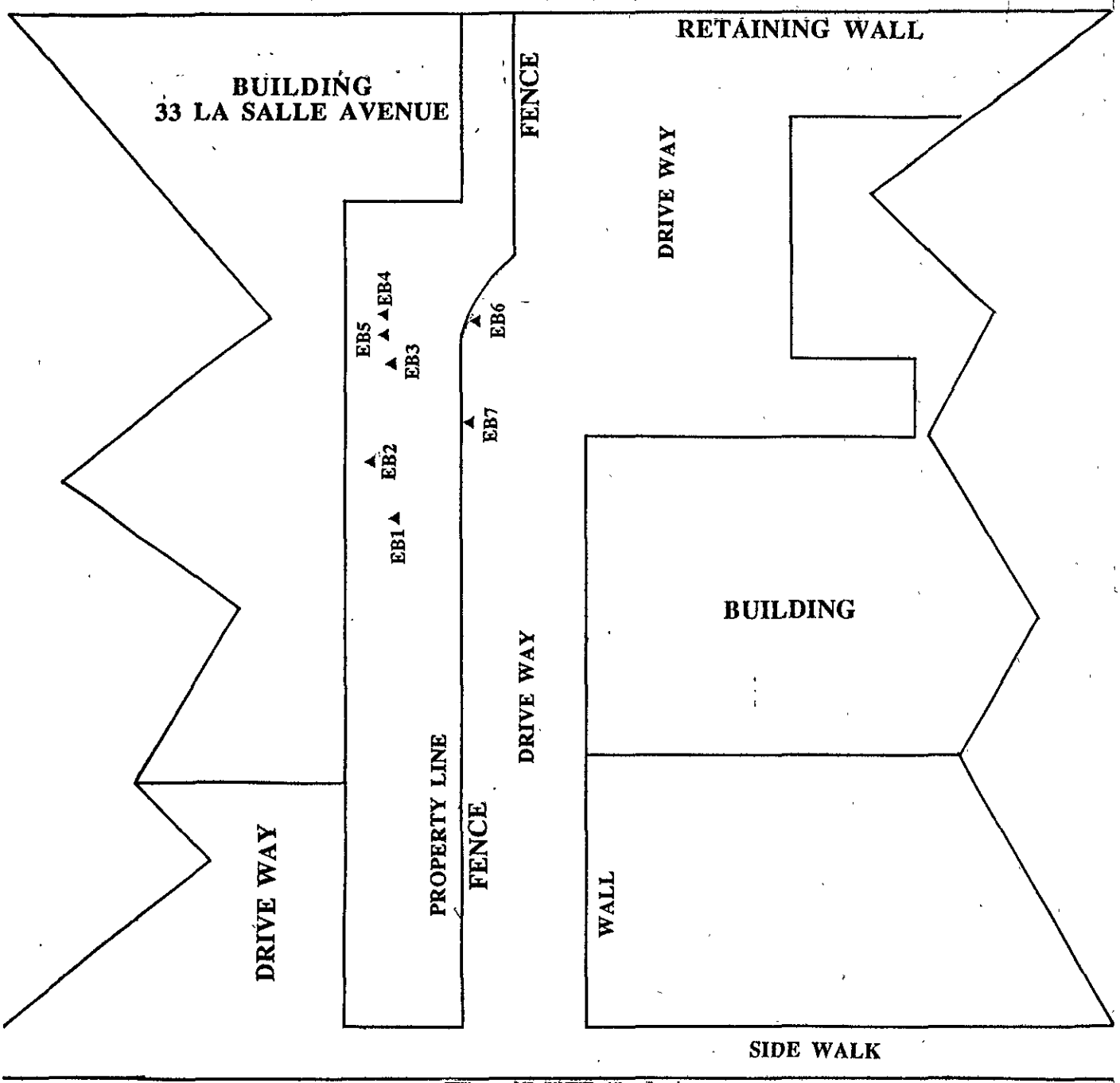
DATE: AUG 1991

DRWN BY: SLS

APPRVD: TMB

FIGURE 1: SITE LOCATION MAP

Coates Property
33 LaSalle Ave.
Piedmont, CA



EXPLANATION

EB7 ▲ - Location of Core Sample

NOTE: All property boundaries not shown.

SCALE - 1" = 15'

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

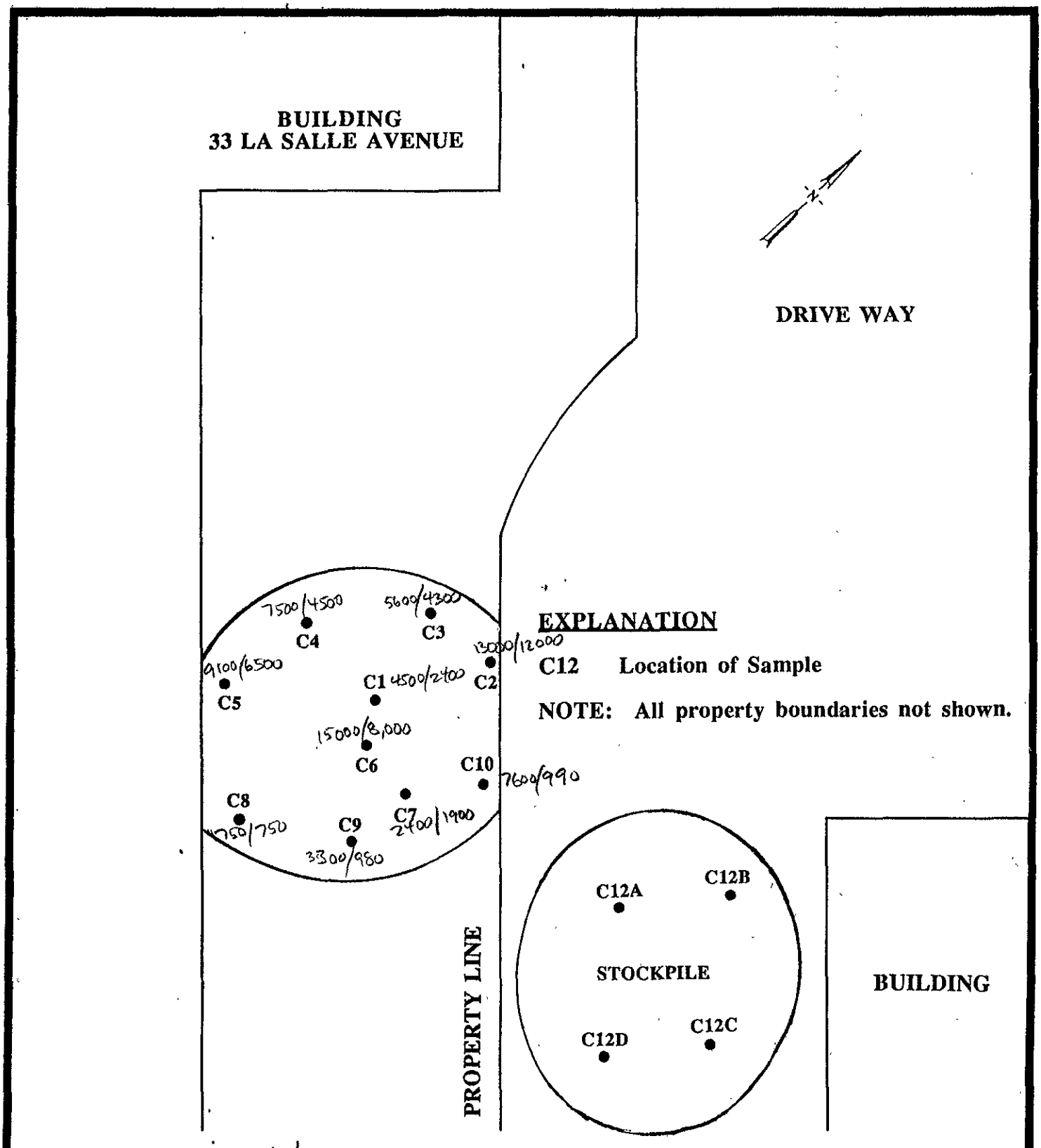
DATE: 9/10/91

DRWN BY: HA

APPRVD: TMB

FIGURE 2- Site Diagram

Coates Property
33 La Salle Ave.
Piedmont, CA



ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

DATE: 10/10/91

DRWN BY: HA

APPRVD: TMB

FIGURE 3: Sample Location Map

Coates Property
33 La Salle Ave.
Piedmont, CA

APPENDIX A

LABORATORY REPORTS
&
CHAIN OF CUSTODY DOCUMENTATION
FOR SOIL SAMPLES

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9109301
Date Received : 09/30/91
Project ID : 060-185-01
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9109301- 1	C1	SOIL	09/29/91	TPHd
9109301- 2	C2	SOIL	09/29/91	TPHd
9109301- 3	C3	SOIL	09/29/91	TPHd
9109301- 4	C4	SOIL	09/29/91	TPHd
9109301- 5	C5	SOIL	09/29/91	TPHd
9109301- 6	C6	SOIL	09/29/91	TPHd
9109301- 7	C7	SOIL	09/29/91	TPHd
9109301- 8	C8	SOIL	09/29/91	TPHd
9109301- 9	C9	SOIL	09/29/91	TPHd
9109301-10	C10	SOIL	09/29/91	TPHd

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9109301
Date Received : 09/30/91
Project ID : 060-185-01
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Balmer 10/7/91
Department Supervisor Date

Lucia Shea 10/9/91
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9109301
Matrix : SOIL
Date Sampled : 09/29/91
Date Extracted: 10/02/91

Project Number : 060-185-01
Date Released : 10/09/91
Instrument I.D.: HP19

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9109301-01	C1	10/03/91	100	4500
9109301-02	C2	10/04/91	200	13000
9109301-03	C3	10/03/91	100	5600
9109301-04	C4	10/03/91	100	7500
9109301-05	C5	10/03/91	100	9100
9109301-06	C6	10/04/91	200	15000
9109301-07	C7	10/04/91	100	2400
9109301-08	C8	10/04/91	100	750
9109301-09	C9	10/04/91	100	3300
9109301-10	C10	10/04/91	100	7600
DSBL100291	METHOD BLANK	10/03/91	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Lucia Stoss 10/9/91
Analyst Date

Cheryl Beelman 10/9/91
Supervisor Date

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9109301
Date Received : 09/30/91
Project ID : 060-185-01
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9109301- 1	C1	SOIL	09/29/91	5520EF
9109301- 2	C2	SOIL	09/29/91	5520EF
9109301- 3	C3	SOIL	09/29/91	5520EF
9109301- 4	C4	SOIL	09/29/91	5520EF
9109301- 5	C5	SOIL	09/29/91	5520EF
9109301- 6	C6	SOIL	09/29/91	5520EF
9109301- 7	C7	SOIL	09/29/91	5520EF
9109301- 8	C8	SOIL	09/29/91	5520EF
9109301- 9	C9	SOIL	09/29/91	5520EF
9109301-10	C10	SOIL	09/29/91	5520EF

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9109301
Date Received : 09/30/91
Project ID : 060-185-01
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Carol C. Burdette 10/9/91
Department Supervisor Date

A.R.Patel 10-09-91
Chemist Date

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 060-185-01
Matrix : SOIL
Date sampled : 09/29/91
Date ext. TOG: 10/04/91
Date anl. TOG: 10/04/91

Anametrix I.D. : 9109301
Analyst : APC
Supervisor : ccb
Date released : 10/08/91

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9109301-01	C1	30	2,400
9109301-02	C2	30	12,000
9109301-03	C3	30	4,300
9109301-04	C4	30	4,500
9109301-05	C5	30	6,500
9109301-06	C6	30	8,800
9109301-07	C7	30	1,900
9109301-08	C8	30	750
9109301-09	C9	30	980
9109301-10	C10	30	990
GSBL100491	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520E&F.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

TOTAL OIL AND GREASE MATRIX SPIKE REPORT
STANDARD METHOD 5520EF
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 060-185-01 C1
Matrix : SOIL
Date sampled : 09/29/91
Date extracted: 10/04/91
Date analyzed : 10/04/91

Anametrix I.D. : 9109301-01
Analyst : APP
Supervisor : [illegible]
Date Released : 10/08/91

COMPOUND	SPIKE AMT. (mg/Kg)	MS (mg/Kg)	%REC MS	MSD (mg/Kg)	%REC MSD	%RPD	% REC LIMITS
Motor Oil	300	2700	100%	2700	100%	0%	48-114%

* Quality control limits established by Anametrix, Inc.

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

FB 1940 9109301

PROJECT NUMBER	CLIENT	SITE
060-185-01	Dorothy Coates	331 La Salle Avenue, Piedmont

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TPH as Heating Oil	ANALYSIS: TOG by 5520 B&F	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1	C1	Bedrock Grit	1		✓	✓	2 week		sample Rack
2	C2	Rock			✓	✓			ave cold
3	C3	"			✓	✓		broken	2 cm x 4 cm
4	C4	"			✓	✓			
5	C5				✓	✓			
6	C6				✓	✓		wholes	
7	C7				✓	✓			
8	C8				✓	✓			
9	C9				✓	✓		broken	
10	C10				✓	✓			

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	9/29/91	16:00	Tim Babcock

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Tim Babcock	9/29/91	19:30	Fed Ex	9-30-91	1930
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Environmental Biosystems	Client Project ID:	060-185-01	Sampled:	Sep 30, 1991
30028 Industrial Parkway SW	Sample Descript:	Rock, C-11	Received:	Oct 1, 1991
Hayward, CA 94544			Analyzed:	10/1-7/91
Attention: Cheryl Silva	Lab Number:	110-0251	Reported:	Oct 9, 1991

CORROSIVITY, IGNITABILITY, AND REACTIVITY

Analyte	Detection Limit	Sample Results
Corrosivity:		
pH	N.A.	7.5
Ignitability:		
Flashpoint (Pensky-Martens), °C	N.A.	> 100 °C
Reactivity:		
Sulfide, mg/kg	10	N.D.
Cyanide, mg/kg	1.0	N.D.
Reaction with water	N.A.	Negative

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Deepak M. Sukthankar
Project Manager

1100251.EBS <1>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Environmental Biosystems	Client Project ID:	060-185-01	Sampled:	Sep 30, 1991
30028 Industrial Parkway SW	Matrix Descript:	Rock, C-11	Received:	Oct 1, 1991
Hayward, CA 94544	Analysis Method:	EPA 3550/8015	Extracted:	Oct 4, 1991
Attention: Cheryl Silva	First Sample #:	110-0251	Analyzed:	Oct 8, 1991
			Reported:	Oct 9, 1991

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)/AS HEATING OIL

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
110-0251	Rock, C-12	350

Detection Limits:	**1.0**

High Boiling Point Hydrocarbons are quantitated against a heating oil standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Deepak M. Sukthankar
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Environmental Biosystems
30028 Industrial Parkway SW
Hayward, CA 94544
Attention: Cheryl Silva

Client Project ID: 060-185-01

QC Sample Group: 110-0251

Reported: Oct 9, 1991

QUALITY CONTROL DATA REPORT

ANALYTE	Cyanide	Sulfide	pH	Diesel
Method:	EPA 9010	EPA 9030	EPA 9040	EPA 8015
Analyst:	L. A. Colon	T. Granicher	L. Marinez	R. Lee
Reporting Units:	mg/kg	mg/kg	N.A.	mg/kg
Date Analyzed:	Sep 30, 1991	Oct 3, 1991	Oct 1, 1991	Oct 7, 1991
QC Sample #:	109-4222	110-0371	110-0251	DBLK100491
Sample Conc.:	N.D.	N.D.	7.5	N.D.
Spike Conc. Added:	2.5	1300	N.A.	15
Conc. Matrix Spike:	1.9	1100	N.A.	10
Matrix Spike % Recovery:	76	85	N.A.	67
Conc. Matrix Spike Dup.:	2.1	1100	7.5	13
Matrix Spike Duplicate % Recovery:	84	85	N.A.	87
Relative % Difference:	10	0.0	0.0	26

SEQUOIA ANALYTICAL

Deepak M. Sukthankar
Project Manager

$$\text{\% Recovery:} \quad \frac{\text{Conc. of M.S. - Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$$

$$\text{Relative \% Difference:} \quad \frac{\text{Conc. of M.S. - Conc. of M.S.D.}}{\text{(Conc. of M.S. + Conc. of M.S.D.) / 2}} \times 100$$

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Environmental Biosystems	Client Project ID:	060-185-01	Sampled:	Sep 30, 1991
30028 Industrial Parkway SW	Sample Descript:	Rock, C-11	Received:	Oct 1, 1991
Hayward, CA 94544				
Attention: Cheryl Silva	Lab Number:	110-0251	Analyzed:	Oct 16, 1991
			Reported:	Oct 17, 1991

LABORATORY ANALYSIS

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Arsenic	0.25	3.0
Barium	0.10	60
Cadmium	0.010	N.D.
Chromium	0.010	10
Copper	0.010	5.0
Lead	0.25	19
Nickel	0.050	13
Silver	0.010	1.4
Zinc	0.010	50
Selenium	0.25	1.5
Mercury	0.010	0.11

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Deepak M. Sukthankar
Project Manager

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite G
Hayward, CA 94544

CHAIN OF CUSTODY

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:
* will call with individual metals analyses

PROJECT NUMBER: 060-185-01
CLIENT: Dorothy Coates
SITE: 33 La Salle Ave.
Piedmont, CA

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: RCT	ANALYSIS: TPH as Heating Oil	ANALYSIS: * Metals	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
C11	Rock	4	✓	✓	✓	* ✓	2 week	1100251	

SAMPLING COMPLETED	DATE 9/30/91	TIME 16:00	SAMPLING PERFORMED BY	Tim Babcock			
RELEASED BY	DATE 10/1/91	TIME 15:20	RECEIVED BY	[illegible] - FOR	DATE 10-1-91	TIME 1523	
RELEASED BY [illegible] - FOR	DATE 10-1-91	TIME 17:20	RECEIVED BY		DATE	TIME	
RELEASED BY	DATE	TIME	RECEIVED BY		DATE	TIME	
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #				

APPENDIX B

STATE WATER RESOURCES CONTROL BOARD CORRESPONDENCE

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF CLEAN WATER PROGRAMS
2014 T STREET, SUITE 130
P.O. BOX 944212
SACRAMENTO, CA 94244-2120
(916) 739-4332

PETE WILSON, *Governor*

2399

SEP 3 0 1991

The Honorable Barry Keene
Member of the Senate
State Capitol, Room 313
Sacramento, CA 95814

The Honorable Dan Hauser
Member of the Assembly
State Capitol, Room 2003
Sacramento, CA 95814

Dear Senator Keene and Mr. Hauser:

CLOSURE OF HOME HEATING FUEL TANKS

We recently responded to your letter of September 4, 1991 concerning closure requirements of the Underground Storage Tank (UST) law by indicating we would review the issue and the Legislative Counsel's analysis. After a careful review, we have concluded that home heating fuel tanks, which are exempt by virtue of use, retain their exemption upon closure. Only when a farm or home heating fuel tank changes from an exempt use to a regulated use does it become subject to the UST law, therefore we will revise our regulations and guidance to reflect this interpretation of State law.

Thank you for bringing your concerns to our attention. If you have any further questions about this matter, please telephone Harry M. Schueller, Chief, Division of Clean Water Programs at (916) 739-4332.

Sincerely,

ORIGINAL SIGNED BY

Walt Pettit
Executive Director

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF CLEAN WATER PROGRAMS
2014 T STREET, SUITE 130
P.O. BOX 944212
SACRAMENTO, CA 94244-2120
(916) 739-4436
(916) 739-2300(Fax)

Local Implementing Agencies and Interested Parties:

STATUS OF HOME HEATING FUEL AND FARM TANKS

This letter provides updated information on the status of home heating fuel and farm tanks. The recently adopted Underground Storage Tank (UST) regulations, Title 23, Chapter 16, Section 2621(c) require a home heating fuel or farm tank taken out of use to close in accordance with Article 7 of the regulations. Based on correspondence received from the Legislature (see enclosure), the State Board intends to delete this requirement. The Legislature intended that these tanks would be exempt from the UST law in its entirety.

Following revisions of the regulations, staff will revise LG-109 "Determination of Farm Tank Status".

If you have any questions, please contact David Holtry at (916) 739-4436.

Sincerely,

Mike McDonald, Manager
Underground Storage Tank Program

Enclosure