

LOP CHANGE RECORD REQUEST FORM

printed:
05/01/2000

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

Insp:

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 1667 LOC:
 SITE NAME: Ransome Company DATE REPORTED : 03/15/1990
 ADDRESS : 4030 Hollis St DATE CONFIRMED: 03/15/1990
 CITY/ZIP : Emeryville 94608 MULTIPLE RPs : Y

SITE STATUS

CASE TYPE: W CONTRACT STATUS: 4 PRIOR CODE:2B4 EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED: 03/09/1992
 PRELIMINARY ASMNT: C DATE UNDERWAY: 04/05/1990 DATE COMPLETED: 04/20/1990
 REM INVESTIGATION: C DATE UNDERWAY: 07/25/1990 DATE COMPLETED: 01/15/1991
 REMEDIAL ACTION: U DATE UNDERWAY: 03/20/1991 DATE COMPLETED:
 POST REMED ACT MON: DATE UNDERWAY: DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 03/09/1992
 LUFT FIELD MANUAL CONSID: HSCARWG
 CASE CLOSED: DATE CASE CLOSED:
 DATE EXCAVATION STARTED : 01/30/1990 REMEDIAL ACTIONS TAKEN: ED, GT

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Ric Notini
 COMPANY NAME: Catellus Development Co.
 ADDRESS: 201 Mission St. 3rd Floor
 CITY/STATE: San Francisco, Ca 94105

RP#2-CONTACT NAME: S. Kinear Smith
 COMPANY NAME: Ransome Company
 ADDRESS: P.o. Box 6849
 CITY/STATE: Oakland, Ca 94603

INSPECTOR VERIFICATION:

NAME _____	SIGNATURE _____	DATE _____
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DATA ENTRY INPUT:

Name/Address Changes Only			Case Progress Changes	
ANNPMS _____	LOP _____	DATE _____	LOP _____	DATE _____

June 26, 1998

98 JUN 29 PM 4: 51 1649.98-005

Ms. Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Second Floor
Alameda, California 94502

Subject: Revised Groundwater Monitoring Plan for the East Baybridge Center, Emeryville and Oakland, California

Dear Ms. Hugo:

Levine · Fricke · Recon Inc. (LFR) has prepared this letter on behalf of Catellus Development Corporation (Catellus) to summarize and document the results of the meeting between Ms. Susan Hugo of the Alameda County Health Care Services Agency (ACHCSA), Mr. Jim Adams of Catellus Development Corporation ("Catellus"), and Mr. Ron Goloubow of LFR on June 17, 1998. The purpose of the meeting was to review and discuss the following issues for the East Baybridge Center ("the Site"):

- the "Revised Groundwater Monitoring Plan for the East Baybridge Center, Emeryville and Oakland, California," dated April 15, 1998 ("Monitoring Plan")
- the status of the request for case closure for the former Bay Area Warehouse and former Bashland Oil facilities

Revised Groundwater Monitoring Plan

As a result of the discussions conducted during the meeting on June 17, 1998, the ACHCSA has approved the Monitoring Plan. Therefore, groundwater monitoring will be conducted on a semiannual schedule for the Site. The next monitoring event is tentatively scheduled for October 1998, and the report for this event is scheduled to be transmitted to the ACHCSA in January 1999.

Additionally, the ACHCSA has requested that a sample be collected from monitoring well MW-12 and analyzed for polynuclear aromatic (PNA) compounds using EPA Method 8270. It is ACHCSA's opinion that if total petroleum hydrocarbons as diesel are present in groundwater in concentrations greater than 1,000 milligrams per liter, PNAs may also be present in the groundwater. The purpose of this sample will be to assess whether PNAs are present in groundwater in concentrations that may require further investigation or evaluation. To accommodate this request, a sample collected from well MW-12 will be analyzed for PNAs during the next proposed groundwater monitoring event, scheduled for October 1998.

Case Closure for the Former Bay Area Warehouse and Former Bashland Oil Facilities

As a result of the discussions conducted during the meeting on June 17, 1998, the ACHCSA has indicated that case closure letters are currently being prepared for the former Bay Area Warehouse and former Bashland Oil facilities. These facilities were formerly located on the Site. No schedule was set for the completion of the closure letters. According to the ACHCSA, Catellus is not required to conduct further groundwater monitoring for these sites.

Catellus and LFR would like to thank you for taking the time to meet with us and we look forward to continuing our working relationship. If you have any questions or comments concerning this letter, the Monitoring Plan, or the project, please call me.

Sincerely,



Ron Goloubow
Senior Project Geologist

cc: Mr. Jim Adams, Catellus Development Corp.

STATE WATER RESOURCES CONTROL BOARD
 DIVISION OF CLEAN WATER PROGRAMS
 2014 T STREET, SUITE 130
 P.O. BOX 944212
 SACRAMENTO, CALIFORNIA 94244-2120
 (916) 227-4360
 (916) 227-4530 (FAX)

ENVIRONMENTAL
 DEPARTMENT

95 AUG -3 PM 1:25



JUL 31 1995

Edward Webster
 Ransome Company
 P.O. Box 6849
 Oakland, CA 94603

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 003593, FOR SITE ADDRESS: 4030 Hollis Street, Emeryville, CA 94608

The State Water Resources Control Board (State Board) takes pleasure in issuing the attached Letter of Commitment in an amount not to exceed **\$300,000**. This Letter of Commitment is based upon our review of the corrective action costs incurred to date and your application received on January 17, 1992 and may be modified by the State Board in writing by an amended Letter of Commitment.

Read the terms and conditions listed in the Letter of Commitment. The State Board will take steps to withdraw this Letter of Commitment after **90 calendar days** from the date of this transmittal letter unless you proceed with due diligence with your cleanup effort. This means that you must take positive, concrete steps to ensure that corrective action is proceeding with all due speed. For example, if you have not started your cleanup effort, you must obtain three bids and sign a contract with one of these bidders within 90 calendar days. If your cleanup effort has already started and was delayed, you must resume the expenditure of funds to ensure that your cleanup is proceeding in an expeditious manner. You are reminded that you must comply with all regulatory agency time schedules and requirements.

This package includes the following:

- A "Reimbursement Request Instructions" package. **Retain this package for future reimbursement requests.** These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in the instruction package are:
 - Samples of completed Reimbursement Request forms and Spreadsheets.
 - Recommended Minimum Invoice Cost Breakdown
- A "Bid Summary-Sheet to list information on bids received.
- A "Certification of Non-Recovery From Other Sources" which must be returned before any reimbursements can be made.
- "Reimbursement Request" forms which you must use to request reimbursement of costs incurred.
- "Spreadsheet" forms which you must use in conjunction with your Reimbursement Request.
- "Claimant Data Record" (Std. Form 204) which must be completed and returned with your first Reimbursement Request.


YOU MUST SUBMIT A REIMBURSEMENT REQUEST PACKAGE BY October 18, 1995, OR SEND A WRITTEN UPDATE EXPLAINING:

1. Status of cleanup to date.
2. Reason(s) why a reimbursement request has not been submitted.
3. Costs incurred to date for corrective action.
4. Projected date for submitting a reimbursement request.

We constantly review the status of all active claims. If you do not submit a reimbursement request or a written update by the date above, or fail to proceed with due diligence with the cleanup, we will take steps to withdraw your Letter of Commitment.

If you have any questions regarding the Letter of Commitment or the Reimbursement Request package, please contact Cheryl Gordon at (916) 227-4539.

Sincerely,


 Dave Deaner, Manager
 UST Cleanup Fund Program

Enclosures

cc: Mr. Steve Morse
 California Regional Water Quality
 Control Board, San Francisco Bay Region
 2701 Webster Street, Suite 500
 Oakland, CA 94612

Ms. Susan Hugo
 Alameda County EHD
 1131 Harbor Bay Pkway, 2nd Fl
 Alameda, CA 94502-6577

LETTER OF COMMITMENT FOR REIMBURSEMENT OF COSTS

CLAIM NO: 003593

AMENDMENT NO: 0

CLAIMANT: Ransome Company

BALANCE FORWARD: \$0

CO-PAYEE: None

JOINT CLAIMAINT: None

THIS AMOUNT: \$300,000

Edward Webster

NEW BALANCE: \$300,000

CLAIMANT ADDRESS: P.O. Box 6849
Oakland, CA 94603

TAX ID/SSA NO: 94-0792980

Subject to availability of funds, the State Water Resources Control Board (SWRCB) agrees to reimburse Ransome Company (Claimant) for eligible corrective action costs at Ransome Company 4030 Hollis Street, Emeryville, CA 94608 (Site). The commitment reflected by this Letter is subject to all of the following terms and conditions:

1. Reimbursement shall not exceed \$300,000 unless this amount is subsequently modified in writing by an amended Letter of Commitment.
2. The obligation to pay any sum under this Letter of Commitment is contingent upon availability of funds. In the event that sufficient funds are not available for reasons beyond the reasonable control of the SWRCB, the SWRCB shall not be obligated to make any disbursements hereunder. If any disbursements otherwise due under this Letter of Commitment are deferred because of unavailability of funds, such disbursements will promptly be made when sufficient funds do become available. Nothing herein shall be construed to provide the Claimant with a right of priority for disbursement over any other claimant who has a similar Letter of Commitment.
3. All costs for which reimbursement is sought must be eligible for reimbursement and the Claimant must be the person entitled to reimbursement thereof.
4. Claimant must at all times be in compliance with all applicable state laws, rules and regulations and with all terms, conditions, and commitments contained in the Claimant's Application and any supporting documents or in any payment requests submitted by the Claimant.
5. No disbursement under this Letter of Commitment will be made except upon receipt of acceptable Standard Form Payment Requests duly executed by or on behalf of the Claimant. All Payment Requests must be executed by the Claimant or a duly authorized representative who has been approved by the Division of Clean Water Programs.
6. Any and all disbursements payable under this Letter of Commitment may be withheld if the Claimant is not in compliance with the provisions of Paragraph 5 above.
7. Neither this Letter of Commitment nor any right thereunder is assignable by the Claimant without the written consent of the SWRCB. In the event of any such assignment, the rights of the assignee shall be subject to all terms and conditions set forth in this Letter of Commitment and the SWRCB's consent.
8. This Letter of Commitment may be withdrawn at any time by the SWRCB if completion of corrective action is not performed with reasonable diligence.

IN WITNESS WHEREOF, this Letter of Commitment has been issued by the SWRCB this 18th day of July, 1995.

STATE WATER RESOURCES CONTROL BOARD

BY [Signature]
Manager, Underground Storage Tank Cleanup Fund Program

STATE USE:
CALSTARS CODING:
0550-569.02 - 30530
\$ _____

BY [Signature]
Chief, Division Administrative Services

TRANSMIT REPORT

1996.01-10 11:22
 510 337 9335
 ALAMEDA CO EHS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
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ALAMEDA COUNTY
 HEALTH CARE SERVICES
 AGENCY

DAVID J. KEARS, Agency Director



June 10, 1994
 STID# 1667

Ms. Kimberly Brandt
 Catellus Development Corp.
 201 Mission Street, 30th Floor
 San Francisco, California 94105

Post-It™ brand fax transmittal memo 7671		# of pages >	8
To	CHERYL GORDON	From	SUSAN HUGO
Co.	SWRCB	Co.	ACDEH
Dept.		Phone #	
Fax #	(916) 227-4530	Fax #	(510) 337-9335

RE: Investigation / Remediation at the
 Yerba Buena Project Site, Emeryville, California 94608

Dear Ms. Brandt:

The Alameda County, Department of Environmental Health, Hazardous Materials Division has completed review of the reports prepared and submitted to date by Levine Fricke for the referenced site. In addition, our staff toxicologist, Dr. Ravi Arulanantham, has reviewed the Baseline Health Risk Assessment for Area C prepared and submitted by Soma Environmental Engineering, Inc.

As you are aware, the Yerba Buena Project Site is divided into four designated areas; Area A, Area B, Area C and Area D. The cleanup goals proposed by Catellus for the site were as follows: 10 ppm TPH gasoline, 100 ppm TPH diesel, 1000 ppm oil and grease, and 1 ppm combined concentration of benzene, toluene, ethylbenzene, and xylene. In 1991, the Regional Water Quality Control Board and this agency concurred with the above mentioned site cleanup goals with the following conditions;

- 1) implementation of an acceptable containment plan for petroleum hydrocarbon affected soils which should include specific guidance language providing for the maintenance of the proposed encapsulations to protect water quality

**LANDELS,
RIPLEY &
DIAMOND**

ATTORNEYS

November 28, 1995

Hills Plaza
350 Steuart Street
San Francisco, CA
94105-1250
Tel 415-788-5000
Fax 415-788-7550

400 Capitol Mall
Suite 2140
Sacramento, CA
95814-4407
Tel 916-448-8300
Fax 916-448-4923

Juliette Blake
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Suite 250
Alameda, California 94502-6577

Re: Former Ransome Company Site,
4030 Hollis Street, Emeryville California

1667
SH.


Dear Ms. Blake:

Pursuant to the provisions of the California Public Records Act (Government Code Section 6250, et seq.), I hereby request copies of the public records located in the files of the Alameda County Health Care Services Agency, pertaining in any way to the above property.

We would like a copy of the entire file pertaining to this site. If no documents responsive to this request are located, I hereby request that you advise me of that in writing.

Please feel free to call me at (415) 512-4633 if you have any questions. Thank you for your attention to this request.

Very truly yours,



Tracie P. Salvador
Senior Legal Assistant

62957.1

TRANSMITTAL MEMORANDUM

TO: UST Cleanup Fund
2014 T. Street, Suite 130
Sacramento, CA 95814

DATE: June 6, 1995

ATTENTION: Ms. Cheryl Gordon

FILE: 955719.02

SUBJECT: Former Ransome Property at Yerba Buena Site, 4030 Hollis Street.
Emeryville CA

WE ARE SENDING: HEREWITH UNDER SEPARATE COVER
 VIA MAIL VIA California Overnight

THE FOLLOWING: Files from the Alameda County Health Agency, Department of Environmental Health (appendices, some figures/tables not included) prepared for Catellus Development Corporation.

Telephone

415 340-6954

Facsimile

415 340-7196

- Quarterly Monitoring Report for January 1 - March 31, 1995
- Groundwater Monitoring Plan, Dec. 19, 1994
- Combined Well Replacement & Quarterly Monitoring Report for July 1 through Sept. 30, 1994 (with appendix B)
- Letter of June 10, 1994 Re: Investigation/Remediation from Alameda County Health Agency to Catellus Development Corp.
- Soil Remediation Activities Report December 21, 1992
- Work Plan for Groundwater Investigation, April 15, 1992
- Letter of 4 February 1991 Subject: Soil and Groundwater Investigation, etc. from Alameda County Health Care Services to Ransome Company.
- Letter of 14 September 1900 Subject: 4030 Hollis Street, Emeryville, from Alameda County Health Care Services to Ransome Company

AS REQUESTED FOR YOUR APPROVAL
 FOR REVIEW FOR YOUR USE
 FOR SIGNATURE FOR PAYMENT

BY: Mark Milani

Mark Milani
Managing Senior Engineer

COPIES TO: Mr. Ed Webster, Ransome
Ms. Susan Hugo, ACHA, DEH

E A R T H  T E C H

June 6, 1995

State Water Resources Control Board
UST Cleanup Fund Program
P.O Box 944 212 S
2014 T Street, Suite 130
Sacramento, CA 94244-2120

955719.02
File: Correspondence

Attention: Ms. Cheryl Gordon

Subject: UST Cleanup Fund Claim Funding Status, Claim #003593, Ransome Company, 4030 Hollis Street, Emeryville

Dear Ms. Gordon:

Telephone

510 540 6954

Facsimile

510 540 7496

This letter transmits additional information for your use in evaluating and funding Ransome Company's (Ransome) UST Cleanup Fund Application. Ransome's claim number is 003593. The former Ransome site located at 4030 Hollis Street in Emeryville is part of a much larger development (Yerba Buena/East Bay Bridge Project) being constructed by Catellus Development Corporation (Catellus). At the time of your file review at the office of the Alameda County Health Agency, you were only provided with the file for the former Ransome site. Numerous reports and correspondence pertaining to the former Ransome site are located in the Yerba Buena/East Bay Bridge project file. This is based on a file reviews conducted by EARTH TECH on Thursday, June 1, 1995 and Tuesday, June 6, 1995. Copies of pertinent correspondence and reports found during the file reviews were made, and are enclosed as an attachment to this letter.

Ransome performed remediation of their site under an approved Closure Workplan. A copy of the Closure Workplan approval letter is attached for your reference. Catellus performed additional remedial activities at the Ransome site as well as within other areas of the Yerba Buena/East Bay Bridge development. The remedial activities performed by Ransome and Catellus were summarized in a report prepared by Catellus' environmental consultant (Levine-Fricke). Pertinent sections of this report are attached for your reference.

The Alameda County Health Agency, Department of Environmental Health (ACHA-DEH) reviewed the remedial activities report and presented their conditional approval in a letter (copy attached). One of the conditions was to implement a groundwater monitoring program. A copy of the groundwater monitoring workplan and copies of selected

955719/SWRCBSUB.NO1

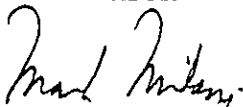
State Water Resources Control Board
UST Cleanup Fund Program
Ms. Cheryl Gordon

June 6, 1995
Page 2

quarterly reports are attached. Based on discussions with Ms. Susan Hugo with ACHA-DEH, Ransome/Catellus are in compliance with county requirements for closure. Ms. Hugo indicated that she would contact you by telephone to discuss regulatory status.

EARTH TECH also requests that you contact Mr. Ed Webster at Ransome Company at (510) 430-1900 to discuss the funding schedule for their application. Ransome is extremely interested in having their application funded during the current funding cycle. If you have any questions regarding the information transmitted, please contact Mr. Mark Milani at EARTH TECH at (510) 540-6954.

Very truly yours,
EARTH TECH



Mark Milani, P.E.
Managing Senior Engineer

MM/mm

cc: Mr. Ed Webster, Ransome Company *(without attachments)*
Ms. Susan Hugo, Alameda County Health Agency, Department of Environmental Health *(w, thout attachments)*

Attachments

CLAIM NO. 3593

LOCAL AGENCY NO. 1667

SITE ADDRESS Darwin Co

CORRECTIVE ACTION COMPLIANCE DOCUMENTATION

PAGE 3

DATE ACTION REQUIRED/RESPONSE

POST-IT Brand tax transmittal memo 7671 # of pages ▶

To: <u>Susan Hugo</u>	From: <u>Cheryl Gordon</u>
Co: <u>Alameda Health</u>	Co: <u>State Water Board</u>
Dept.	Phone #
Fax # (415) 237-9335	Fax # (415) 407-4530

attached action

See corrective for chronology

CONFIRMATION OF CORRECTIVE ACTION COMPLIANCE:

After reviewing the lead agency site file, the claimant has determined that the claimant is in substantial compliance with corrective action requirements.

Cheryl Gordon

REVIEWER'S SIGNATURE

6/8/95
DATE SIGNED

LEAD AGENCY TRANSMITTAL:

As of this date, the lead agency representative concurs with the determination that the claimant is in compliance with applicable narrative action requirements.

STAFF RECOMMENDATION: () APPROVED

() REFERRED TO TEAM LEADER - See Comments, Page 2

REVIEWER'S SIGNATURE:

Susan L. Hugo

6/21/95
DATE SIGNED

Revised 10/82.

LOP - CHANGE RECORD REQUEST FORM

printed:
01/23/95

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

Insp:

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 1667 LOC:
 SITE NAME: Ransome Company DATE REPORTED : 03/15/90
 ADDRESS : 4030 Hollis St DATE CONFIRMED: 03/15/90
 CITY/ZIP : Emeryville 94608 MULTIPLE RPs : Y

SITE STATUS

CASE TYPE: G CONTRACT STATUS: 4 PRIOR CODE:2B4 EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED: 03/09/92
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 LUFT FIELD MANUAL CONSID: HSCARWG
 CASE CLOSED: DATE CASE CLOSED:
 DATE EXCAVATION STARTED : 01/30/90 REMEDIAL ACTIONS TAKEN: ED, GT

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Ric Notini
 COMPANY NAME: Catellus Development Co.
 ADDRESS: 201 Mission St. 3rd Floor
 CITY/STATE: San Francisco, Ca 94105

RP#2-CONTACT NAME: S. Kinear Smith
 COMPANY NAME: Ransome Company
 ADDRESS: P.o. Box 6849
 CITY/STATE: Oakland, Ca 94603

INSPECTOR VERIFICATION:

NAME _____	SIGNATURE _____	DATE _____
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DATA ENTRY INPUT:

Name/Address Changes Only			Case Progress Changes	
ANNPGMS _____	LOP _____	DATE _____	LOP _____	DATE _____

DEPARTMENT OF TOXIC SUBSTANCES CONTROLREGION 2
700 HEINZ AVE., SUITE 200
BERKELEY, CA 94710-2737ALCO
HAZMAT

94 NOV -9 AM 8:49



(510) 540-2122

November 2, 1994

Mr. Greg Shepherd
Environmental Affairs Group
Southern Pacific Lines
Southern Pacific Building
One Market Plaza
San Francisco, California 94105

Dear Mr. Shepherd:

HEALTH AND SAFETY PLAN, SOIL STOCKPILE MANAGEMENT PLAN, SOUTHERN PACIFIC TRANSPORTATION COMPANY (SPTCo), CYPRESS FREEWAY REALIGNMENT CORRIDOR, CONTRACT C AND D

The Department of Toxic Substances Control (Department) has received Addendum A and Addendum B of the Health and Safety Plan submitted by Industrial Compliance on behalf of SPTCo. The Addendums were received by the Department on October 12 and October 24, 1994 respectfully. The Department has reviewed both Addendums and finds that they adequately address the Department's concerns and therefore the Health and Safety Plan is approved.

If you have any questions regarding this letter, please contact Lynn Nakashima of my staff at (510) 540-3839.

Sincerely,

A handwritten signature in cursive script, appearing to read "Barbara J. Cook".

Barbara J. Cook, P.E., Chief
Site Mitigation Branch

cc: Mr. Sum Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Ms. Susan Hugo
Alameda County Health Agency
Department of Environmental Health
80 Swan Way, Rom 350
Oakland, California 94621



STD 1667 SUSAN L. HUGO

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION

1131 HARBOR BAY PARKWAY, STE 250
ALAMEDA, CA 94502-6577
TELE: (510) 567-6700

ACCEPTED
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction. One copy of these accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire Department for their approval. Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- Removal of Tank and Piping
- Sampling
- Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Susan L. Hugo
9/23/94

94 SEP 22 AM 11:35

ALCO
HAZMAT

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name EAST Bay bridge Development
Business Owner Catellus Development
 2. Site Address 40th + Hollis
City Emeryville CA Zip 94608 Phone _____
 3. Mailing Address 201 Mission St
City SF CA Zip 94121 Phone 4744500
 4. Land Owner Catellus Development
Address 201 Mission St City, State SF CA Zip 94105
 5. Generator name under which tank will be manifested _____
Catellus Development
- EPA I.D. No. under which tank will be manifested CAD 983585746

6. Contractor Trump Bros
Address 1540 Industrial Ave 408 292 0820
City SAN JOSE, CA Phone _____
License Type* A ID# 646168 ✓

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant Levine - Fricke
Address 1900 Powell St ✓
City Emeryville Phone 510 6524500

8. Contact Person for Investigation
Name Ron Goloubow Title Geologist ✓
Phone 510 6524500

9. Number of tanks being closed under this plan 1
Length of piping being removed under this plan < 5'
Total number of tanks at facility 1

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled **
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name N/A EPA I.D. No. _____
Hauler License No. _____ License Exp. Date _____
Address _____
City _____ State _____ Zip _____

b) Product/Residual Sludge/Rinsate Disposal Site

Name N/A EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

c) Tank and Piping Transporter

Name Ericsson Inc EPA I.D. No. CAD 009466392
Hauler License No. 6019 License Exp. Date 5-31-95
Address 235 Parr Blvd
city Richmond state CA zip 94801

d) Tank and Piping Disposal Site

Name Ericsson Inc EPA I.D. No. CAD 009466392
Address 235 Parr Blvd
city Richmond state CA zip 94801

11. Experienced Sample Collector

Name Levin - Fricke
Company _____
Address 1900 Powell St
city Emeryville state CA zip 94608 Phone _____

12. Laboratory

Name American Environmental Network
Address 3440 Vincent Rd
city Pleasant Hill state CA zip 94523
State Certification No. _____

13. Have tanks or pipes leaked in the past? Yes [] No [] Unknown

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

Dry Ice

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
600	Unknown	soil + water in	1' below base of tank ✓

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) 10 yards	Sampling Plan 2 discrete samples composited to 1 ✓

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TPH, VOCs + Semi Vocs, BTEX, TPH _g , TPH _d , TPH as oil, TPH _g	8015, 8020, 8010, 8270,		TPHg - 1 ppm (soil) 0.050 ppb (water) TPHd - 1 ppm (soil) 0.050 ppb (water) BTEX - 1.005 ppm (soil) 6.5 ppb (water)

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer Fremont Fidelity

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) Ron Golobow

Signature [Handwritten Signature]

Date 9/15/14

Signature of Site Owner or Operator

Name (please type) KIMBERLY BRANDT

Signature [Handwritten Signature] Agent for Catellus

Date 9/22/14

INSTRUCTIONS

General Instructions

- * Three (3) copies of this plan plus attachments and deposit must be submitted to this Department.
- * Any cutting into tanks requires local fire department approval.
- * One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.

Item Specific Instructions

2. SITE ADDRESS
Address at which closure is taking place.
5. EPA I.D. NO. under which the tanks will be manifested
EPA I.D. numbers may be obtained from the State Department of Health Services, 916/324-1781.
6. CONTRACTOR
Prime contractor for the project.
10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES
 - a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
 - c) Tanks must be hauled as hazardous waste.
 - d) This is the place where tanks will be taken for cleaning.
15. TANK HISTORY AND SAMPLING INFORMATION
Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

16. CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS
See attached Table 2.

17. SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

- a) The name and responsibilities of the site health and safety officer;
- b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;
- c) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;
- d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions which will trigger changes in work habits to ensure workers are not exposed to unsafe chemical levels or physical conditions;
- e) Description of the work habit changes triggered by the above action levels or physical conditions;
- f) Frequency and types of air and personnel monitoring - along with the environmental sampling techniques and instrumentation - to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;
- g) Confined space entry procedures (if applicable);
- h) Decontamination procedures;
- i) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guards, etc.);
- j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;
- k) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and
- l) Page for employees to sign indicating they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.

NOTE: These requirements are excerpts from 29 CFR Part 1910.120(b)(4), Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN

The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale;
- b) North Arrow;
- c) Property Lines;
- d) Location of all Structures;
- e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
- f) Streets;
- g) Underground conduits, sewers, water lines, utilities;
- h) Existing wells (drinking, monitoring, etc.);
- i) Depth to ground water; and
- j) All existing tanks and piping in addition to the ones being pulled.

20. DEPOSIT

A deposit, payable to Alameda County for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from our office and from the San Francisco Bay Regional Water Quality Control Board (415/464-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT

The tank closure report should contain the following information:

- a) General description of the closure activities;
- b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;

- c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;
- d) Description of sampling methods;
- e) Description of any remedial measures conducted at the time of tank removal;
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Tabulation of the volume and final destination of all non-manifested contaminated soil hauled offsite.

TABLE #2
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR
UNDERGROUND TANK LEAKS

<u>HYDROCARBON LEAK</u>	<u>SOIL ANALYSIS</u>		<u>WATER ANALYSIS</u>	
Unknown Fuel	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND	BTX&E 8260		
Leaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	BTX&E	8020 OR 8240	BTX&E	602 or 624
	TPH AND	BTX&E 8260	TOTAL LEAD	AA
	TOTAL LEAD AA			
	-----Optional-----			
	TEL	DHS-LUFT	TEL	DHS-LUFT
	EDB	DHS-AB1803	EDB	DHS-AB1803
Unleaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND	BTX&E 8260		
Diesel, Jet Fuel and Kerosene	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND	BTX&E 8260		
Fuel/Heating Oil	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND	BTX&E 8260		
Chlorinated Solvents	CL HC	8010 or 8240	CL HC	601 or 624
	BTX&E	8020 or 8240	BTX&E	602 or 624
	CL HC AND	BTX&E 8260	CL HC AND	BTX&E 8260
Non-chlorinated Solvents	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
	TPH AND	BTX&E 8260	TPH and	BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	TPH AND	BTX&E 8260		
	O & G	5520 D & F	O & G	5520 C & F
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	CL HC	8010 or 8240	CL HC	601 or 624
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni			
	METHOD 8270 FOR SOIL OR WATER TO DETECT:			
	PCB*		PCB	
	PCP*		PCP	
	PNA		PNA	
	CREOSOTE		CREOSOTE	

* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

2010, 8270, TPH, d, BTX + soil

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.
2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.
3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.
5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.
6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).
7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).
8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.
9. PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

	<u>SOIL PPM</u>	<u>WATER PPB</u>
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
≤ 10 ppm (42%)	≤ 10 ppm (10%)
≤ 5 ppm (19%)	≤ 5 ppm (21%)
≤ 1 ppm (35%)	≤ 1 ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

- LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.
- IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chromatogram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

- REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
Declaration of Site Account Refund Recipient

SITE OWNER FILLS OUT PER SITE
-- OPTIONAL --

The property owner will use this form to designate someone other than him- or her- self to receive any refund due at the completion of all deposit/refund projects at the site listed below. In the absence of this form, the property owner will receive any refund. Only one person at any one time may be designated to receive any refund.

SITE NUMBER/ADDRESS:

PROPERTY OWNER

Site Number

Company Name

Owner's Name

Street Address

Owner's Address

City

Zip Code

Owner's City

State

Zip

I designate the following person to receive any refund due at the completion of all deposit/refund projects:

Name

Street Address

City / Zip

Property Owner Signature

Date

Property Owner Name

RETURN FORM TO: Alameda County, Hazardous Materials Div.
80 Swan Way, Rm 200
Oakland, CA 94621-1439
Phone: (510) 271-4320

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input checked="" type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: _____

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN	
A. OWNER'S TANK I. D. # <u>Tank#2</u>	B. MANUFACTURED BY: <u>unknown</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>unknown</u>	D. TANK CAPACITY IN GALLONS: <u>approx 60 gallons</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.		
A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL <input type="checkbox"/> 2 PETROLEUM <input type="checkbox"/> 3 CHEMICAL PRODUCT	B. <input type="checkbox"/> 4 OIL <input type="checkbox"/> 80 EMPTY <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 1 PRODUCT <input type="checkbox"/> 2 WASTE	C. <input type="checkbox"/> 1a REGULAR UNLEADED <input type="checkbox"/> 1b PREMIUM UNLEADED <input type="checkbox"/> 2 LEADED <input type="checkbox"/> 3 DIESEL <input type="checkbox"/> 4 GASAHOL <input type="checkbox"/> 5 JET FUEL <input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____		C. A. S. #: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E		
A. TYPE OF SYSTEM <input type="checkbox"/> 1 DOUBLE WALL <input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER <input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER _____
B. TANK MATERIAL (Primary Tank) <input checked="" type="checkbox"/> 1 BARE STEEL <input type="checkbox"/> 5 CONCRETE <input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 2 STAINLESS STEEL <input type="checkbox"/> 6 POLYVINYL CHLORIDE <input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 3 FIBERGLASS <input type="checkbox"/> 7 ALUMINUM <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER _____
C. INTERIOR LINING <input type="checkbox"/> 1 RUBBER LINED <input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 2 ALKYD LINING <input checked="" type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 3 EPOXY LINING <input type="checkbox"/> 4 PHENOLIC LINING <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER _____
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION <input type="checkbox"/> 1 POLYETHYLENE WRAP <input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 2 COATING <input type="checkbox"/> 91 NONE	<input type="checkbox"/> 3 VINYL WRAP <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC <input type="checkbox"/> 99 OTHER _____
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____		

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE				
A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER <u>unknown</u>
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 INTERSTITIAL MONITORING	<input checked="" type="checkbox"/> 99 OTHER <u>none</u>

V. TANK LEAK DETECTION				
<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN	<input checked="" type="checkbox"/> 99 OTHER <u>unknown</u>

VI. TANK CLOSURE INFORMATION		
1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>unknown</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>20</u> <u>water</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL <u>water</u> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>Kimberly Brandt</u>	DATE <u>9/22/94</u>
--	------------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW				
STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

596-9550 (510) Ron



1900 Powell Street, 12th Floor
 Emeryville, California 94608-1811
 (510) 652-4500; FAX (510) 652-4906

Date	September 20, 1994		
Time	12:25pm		
From	Ron Goloubow		
Deliver To	Susan Hugo		
Name of Firm	ACHSA		
FAX No.	510 337 9335	LF Project No.	1649

Number of Pages: This cover page plus **1** pages

Remarks: Here are the analytical results for the water sample collected from the underground storage tank located at the East Baybridge development. Please call me after you have reviewed this data.

THE INFORMATION CONTAINED IN THIS FACSIMILE IS CONFIDENTIAL AND IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IS ADDRESSED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR THE PERSON RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, DO NOT USE OR DISCLOSE THIS FACSIMILE. IF YOU HAVE RECEIVED THIS FACSIMILE IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL TO LEVINE-FRICKE VIA THE U.S. POSTAL SERVICE. THANK YOU.

Methylene Chloride? Do ppb - Laboratory background
Need to Submit Tank Removal Application
Schedule of UGT removal.
Talked to Ron: 9/20/94
- okay to backfill the pit
- CH₃Cl attributed to laboratory background
- UGT removal application - submit tomorrow
- schedule UGT removal

LEVINE-FRICKE

SAMPLE ID: SMALL TANK
 AEN LAB NO: 9409119-01
 AEN WORK ORDER: 9409119
 CLIENT PROJ. ID: 1649.31

DATE SAMPLED: 09/09/94
 DATE RECEIVED: 09/09/94
 REPORT DATE: 09/20/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	09/16/94
Toluene	108-88-3	0.5 *	0.5	ug/L	09/16/94
Ethylbenzene	100-41-4	ND	0.5	ug/L	09/16/94
Xylenes, Total	1330-20-7	ND	2	ug/L	09/16/94
Purgeable HCs as Gasoline	5030/GCFID	0.09 *	0.05	mg/L	09/16/94
#Extraction for TPH	EPA 3510	-		Extrn Date	09/19/94
TPH as Diesel	GC-FID	2 *	0.05	mg/L	09/20/94
TPH as Oil	GC-FID	2 *	0.2	mg/L	09/20/94

ND = Not detected at or above the reporting limit
 * = Value above reporting limit



1900 Powell Street, 12th Floor
Emeryville, California 94608-1811
(510) 652-4500; FAX (510) 652-4906

Date	September 19, 1994		
Time	8:51am 20		
From	Ron Goloubow		
Deliver To	Susan Hugo		
Name of Firm	Alameda County		
FAX No.	510 3379335	LF Project No.	1649

Number of Pages: This cover page plus 5 pages

Remarks: Here are the analytical results for the soil sample collected from the base of the excavation for the small tank found at the East Baybridge Development in Emeryville. Pursuant to the message I left on your voice mail we are hoping to backfill this excavation as soon as possible. Please call me after you have reviewed these results.

THE INFORMATION CONTAINED IN THIS FACSIMILE IS CONFIDENTIAL AND IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IS ADDRESSED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR THE PERSON RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, DO NOT USE OR DISCLOSE THIS FACSIMILE. IF YOU HAVE RECEIVED THIS FACSIMILE IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL TO LEVINE-FRICKE VIA THE U.S. POSTAL SERVICE. THANK YOU.

I will send the water sample ASAP.

SEP-15-94 THU 17:30

AMERICAN ENV NETWORK

FAX NO. 15109300256

P.03

PAGE 2

LEVINE-FRICKE

SAMPLE ID: SMALL TANK
 AEN LAB NO: 9409170-01A
 AEN WORK ORDER: 9409170
 CLIENT PROJ. ID: 1649.31

DATE SAMPLED: 09/14/94
 DATE RECEIVED: 09/14/94
 REPORT DATE: 09/15/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	5	ug/kg	09/14/94
Toluene	108-88-3	ND	5	ug/kg	09/14/94
Ethylbenzene	100-41-4	ND	5	ug/kg	09/14/94
Xylenes, Total	1330-20-7	ND	5	ug/kg	09/14/94
Purgeable HCs as Gasoline	5030/GCFID	2.0 *	0.2	mg/kg	09/14/94
#Extraction for TPH	EPA 3550			Extrn Date	09/14/94
TPH as Diesel	GC-FID	3 *	1	mg/kg	09/15/94
TPH as Oil	GC-FID	20 *	5	mg/kg	09/15/94
#Extraction for BNAs	EPA 3550			Extrn Date	09/15/94
Semi-Volatile Organics	EPA 8270				
Acenaphthene	83-32-9	ND	330	ug/kg	09/15/94
Acenaphthylene	208-96-8	ND	330	ug/kg	09/15/94
Anthracene	120-12-7	ND	330	ug/kg	09/15/94
Benzidine	92-87-5	ND	1600	ug/kg	09/15/94
Benzoic Acid	65-85-0	ND	1600	ug/kg	09/15/94
Benzo(a)anthracene	56-55-3	ND	330	ug/kg	09/15/94
Benzo(b)fluoranthene	205-99-2	ND	330	ug/kg	09/15/94
Benzo(k)fluoranthene	207-08-9	ND	330	ug/kg	09/15/94
Benzo(g,h,i)perylene	191-24-2	ND	330	ug/kg	09/15/94
Benzo(a)pyrene	50-32-8	ND	330	ug/kg	09/15/94
Benzyl Alcohol	100-51-6	ND	660	ug/kg	09/15/94
Bis(2-chloroethoxy)methane	111-91-1	ND	330	ug/kg	09/15/94
Bis(2-chloroethyl) Ether	111-44-4	ND	330	ug/kg	09/15/94
Bis(2-chloroisopropyl) Ether	108-60-1	ND	330	ug/kg	09/15/94
Bis(2-ethylhexyl) Phthalate	117-81-7	ND	330	ug/kg	09/15/94
4-Bromophenyl Phenyl Ether	101-55-3	ND	330	ug/kg	09/15/94
Butylbenzyl Phthalate	85-68-7	ND	330	ug/kg	09/15/94
4-Chloroaniline	106-47-8	ND	660	ug/kg	09/15/94
2-Chloronaphthalene	91-58-7	ND	330	ug/kg	09/15/94
4-Chlorophenyl Phenyl Ether	7005-72-3	ND	330	ug/kg	09/15/94
Chrysene	218-01-9	ND	330	ug/kg	09/15/94
Dibenzo(a,h)anthracene	53-70-3	ND	330	ug/kg	09/15/94
Dibenzofuran	132-64-9	ND	330	ug/kg	09/15/94
Di-n-butyl Phthalate	84-74-2	ND	330	ug/kg	09/15/94
1,2-Dichlorobenzene	95-50-1	ND	330	ug/kg	09/15/94
1,3-Dichlorobenzene	541-73-1	ND	330	ug/kg	09/15/94

SEP-15-94 THU 17:31

AMERICAN ENV NETWORK

FAX NO. 15109300256

P.04

PAGE 3

LEVINE-FRICKE

SAMPLE ID: SMALL TANK
 AEN LAB NO: 9409170-01A
 AEN WORK ORDER: 9409170
 CLIENT PROJ. ID: 1649.31

DATE SAMPLED: 09/14/94
 DATE RECEIVED: 09/14/94
 REPORT DATE: 09/15/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,4-Dichlorobenzene	106-46-7	ND	330	ug/kg	09/15/94
3,3'-Dichlorobenzidine	91-94-1	ND	660	ug/kg	09/15/94
Diethyl Phthalate	84-66-2	ND	330	ug/kg	09/15/94
Dimethyl Phthalate	131-11-3	ND	330	ug/kg	09/15/94
2,4-Dinitrotoluene	121-14-2	ND	330	ug/kg	09/15/94
2,6-Dinitrotoluene	606-20-2	ND	330	ug/kg	09/15/94
Di-n-octyl Phthalate	117-84-0	ND	330	ug/kg	09/15/94
1,2-Diphenylhydrazine	122-66-7	ND	330	ug/kg	09/15/94
Fluoranthene	206-44-0	ND	330	ug/kg	09/15/94
Fluorene	86-73-7	ND	330	ug/kg	09/15/94
Hexachlorobenzene	118-74-1	ND	330	ug/kg	09/15/94
Hexachlorobutadiene	87-68-3	ND	330	ug/kg	09/15/94
Hexachlorocyclopentadiene	77-47-4	ND	330	ug/kg	09/15/94
Hexachloroethane	67-72-1	ND	330	ug/kg	09/15/94
Indeno(1,2,3-cd)pyrene	193-39-5	ND	330	ug/kg	09/15/94
Isophorone	78-59-1	ND	330	ug/kg	09/15/94
2-Methylnaphthalene	91-57-6	ND	330	ug/kg	09/15/94
Naphthalene	91-20-3	ND	330	ug/kg	09/15/94
2-Nitroaniline	88-74-4	ND	1600	ug/kg	09/15/94
3-Nitroaniline	99-09-2	ND	1600	ug/kg	09/15/94
4-Nitroaniline	100-01-6	ND	1600	ug/kg	09/15/94
Nitrobenzene	98-95-3	ND	330	ug/kg	09/15/94
N-Nitrosodimethylamine	62-75-9	ND	330	ug/kg	09/15/94
N-Nitrosodiphenylamine	86-30-6	ND	330	ug/kg	09/15/94
N-Nitrosodi-n-propylamine	621-64-7	ND	330	ug/kg	09/15/94
Phenanthrene	85-01-8	ND	330	ug/kg	09/15/94
Pyrene	129-00-0	ND	330	ug/kg	09/15/94
1,2,4-Trichlorobenzene	120-82-1	ND	330	ug/kg	09/15/94
4-Chloro-3-methylphenol	59-50-7	ND	330	ug/kg	09/15/94
2-Chlorophenol	95-57-8	ND	330	ug/kg	09/15/94
2,4-Dichlorophenol	120-83-2	ND	330	ug/kg	09/15/94
2,4-Dimethylphenol	105-67-9	ND	330	ug/kg	09/15/94
4,6-Dinitro-2-methylphenol	534-52-1	ND	1600	ug/kg	09/15/94
2,4-Dinitrophenol	51-28-5	ND	1600	ug/kg	09/15/94
2-Methylphenol	95-48-7	ND	330	ug/kg	09/15/94
4-Methylphenol	106-44-5	ND	330	ug/kg	09/15/94
2-Nitrophenol	88-75-5	ND	330	ug/kg	09/15/94
4-Nitrophenol	100-02-7	ND	1600	ug/kg	09/15/94
Pentachlorophenol	87-86-5	ND	1600	ug/kg	09/15/94
Phenol	108-95-2	ND	330	ug/kg	09/15/94
2,4,5-Trichlorophenol	95-95-4	ND	330	ug/kg	09/15/94
2,4,6-Trichlorophenol	88-06-2	ND	330	ug/kg	09/15/94

SEP-15-94 THU 17:33

AMERICAN ENV NETWORK

FAX NO. 15109300256

P.01

PAGE 4

LEVINE-FRICKE

SAMPLE ID: SMALL TANK
 AEN LAB NO: 9409170-01A
 AEN WORK ORDER: 9409170
 CLIENT PROJ. ID: 1649.31

DATE SAMPLED: 09/14/94
 DATE RECEIVED: 09/14/94
 REPORT DATE: 09/15/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
EPA 8010 - Soil matrix	EPA 8010				
Bromodichloromethane	75-27-4	ND	5	ug/kg	09/15/94
Bromoform	75-25-2	ND	5	ug/kg	09/15/94
Bromomethane	74-83-9	ND	5	ug/kg	09/15/94
Carbon Tetrachloride	56-23-5	ND	5	ug/kg	09/15/94
Chlorobenzene	108-90-7	ND	5	ug/kg	09/15/94
Chloroethane	75-00-3	ND	5	ug/kg	09/15/94
2-Chloroethyl Vinyl Ether	110-75-8	ND	5	ug/kg	09/15/94
Chloroform	67-66-3	ND	5	ug/kg	09/15/94
Chloromethane	74-87-3	ND	5	ug/kg	09/15/94
Dibromochloromethane	124-48-1	ND	5	ug/kg	09/15/94
1,2-Dichlorobenzene	95-50-1	ND	5	ug/kg	09/15/94
1,3-Dichlorobenzene	541-73-1	ND	5	ug/kg	09/15/94
1,4-Dichlorobenzene	106-46-7	ND	5	ug/kg	09/15/94
Dichlorodifluoromethane	75-71-8	ND	5	ug/kg	09/15/94
1,1-Dichloroethane	75-34-3	ND	5	ug/kg	09/15/94
1,2-Dichloroethane	107-06-2	ND	5	ug/kg	09/15/94
1,1-Dichloroethene	75-35-4	ND	5	ug/kg	09/15/94
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/kg	09/15/94
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/kg	09/15/94
1,2-Dichloropropane	78-87-5	ND	5	ug/kg	09/15/94
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/kg	09/15/94
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/kg	09/15/94
Methylene Chloride	75-09-2	20 *	5	ug/kg	09/15/94
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/kg	09/15/94
Tetrachloroethene	127-18-4	ND	5	ug/kg	09/15/94
1,1,1-Trichloroethane	71-55-6	ND	5	ug/kg	09/15/94
1,1,2-Trichloroethane	79-00-5	ND	5	ug/kg	09/15/94
Trichloroethene	79-01-6	ND	5	ug/kg	09/15/94
Trichlorofluoromethane	75-69-4	ND	5	ug/kg	09/15/94
1,1,2Trichlorotrifluoroethane	76-13-1	ND	5	ug/kg	09/15/94
Vinyl Chloride	75-01-4	ND	5	ug/kg	09/15/94

ND = Not detected at or above the reporting limit

* = Value above reporting limit



September 14, 1994

LF 1649.18

Ms. Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Second Floor
Alameda, California 94502

Subject: Abandonment of Six Ground-Water Monitoring Wells in
Area C at East Baybridge Center Project Site,
Emeryville and Oakland, California

Dear Susan:

This letter documents the abandonment of six ground-water monitoring wells (LF-10, LF-11R, LF-31, LF-32, LF-34, and LF-35) formerly located in Area C at the East Baybridge Center Project Site ("the Site"; see Figure 1). These wells were abandoned so that site development in this portion of the property could proceed unimpeded.

The wells were abandoned on June 30, 1994, in accordance with the State of California Department of Water Resources Bulletins 74-90, June 1991 and 74-81, December 1981 and under permit number 94462 issued by the Alameda County Flood Control and Water Conservation District, Zone 7. The following outlines the procedures used to destroy the wells:

- The existing 2-inch- or 4-inch-diameter polyvinyl chloride well casing was drilled out to the total depth of each well, approximately 20 to 25 feet below grade.
- The borehole was then grouted from the bottom to approximately 2 feet below ground surface (bgs) with neat cement grout containing approximately 5 percent bentonite. The grout was pumped into the borehole through a tremie pipe (or hose) set 5 to 10 feet above the base of the borehole.

Well Replacement

Following completion of site development activities, the wells will be replaced and incorporated into the ground-water monitoring program for the Site. We estimate that the

1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500
Fax (510) 652-2246

DRAFT

LEVINE·FRICKE

replacement wells will be installed during the first quarter of 1995. A work plan presenting the installation procedures and proposed well locations will be submitted to the Alameda County Health Care Services Agency and the Regional Water Quality Control Board prior to installing the wells. Wells LF-10, LF-31, LF-32, LF-34 will be reinstalled in the same general area as the "original" well that was abandoned. Selection of final well locations will consider site development, such the locations of buildings and underground utilities. Well MW-11R will not be replaced. Well MW-10 will be used in this area to monitor chemicals migrating onto the Site from an off-site source. Well LF-35 also will not be replaced and well MW-34, located nearby, will be used to monitor ground-water quality at the downgradient extent of the on-site area.

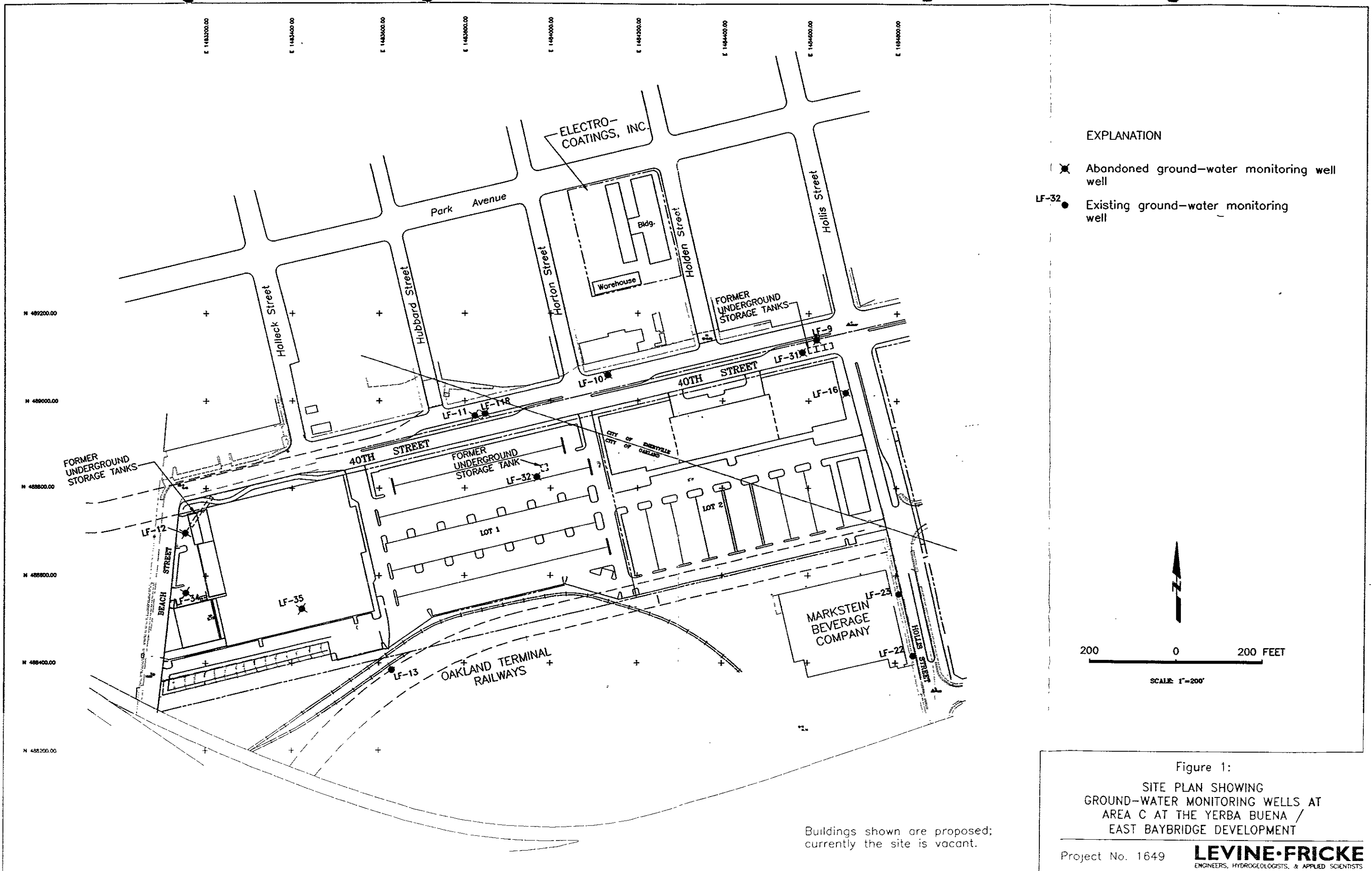
If you have any questions or comments regarding this letter, please call me or Andrew L. Wright, R.G., (510-652-4500) or Ms. Kimberly Brandt at Catellus Development (415-974-4500).

Sincerely,



Ron Goloubow
Senior Project Geologist

cc: Ms. Kimberly Brandt, Catellus Development Corporation
Mr. Sumadhu Arigala, Regional Water Quality Control Board



white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Inspection Form

II, III

Site ID # 1661 Site Name East Bay Bridge Today's Date 9/13/94

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 2703
- ___ 2. Bus. Plan Stds 25503(b)
- ___ 3. RR Cars > 30 days 25503.7
- ___ 4. Inventory Information 25504(a)
- ___ 5. Inventory Complete 2730
- ___ 6. Emergency Response 25504(b)
- ___ 7. Training 25504(c)
- ___ 8. Deficiency 25505(a)
- ___ 9. Modification 25505(b)

Site Address _____

City Emeryville Zip 94608 Phone _____

___ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- ___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

II.B ACUTELY HAZ. MATLS

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMPP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N) _____
- ___ 14. OffSite Conseq. Assess 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(f)
- ___ 18. Exemption Request? (Y/N) 25536(b)
- ___ 19. Trade Secret Requested? 25538

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

III. UNDERGROUND TANKS (Title 23)

- | | |
|-------------------------------|--|
| General | ___ 1. Permit Application 25284 (H&S) |
| | ___ 2. Pipeline Leak Detection 25292 (H&S) |
| | ___ 3. Records Maintenance 2712 |
| | ___ 4. Release Report 2651 |
| | ___ 5. Closure Plans 2670 |
| Monitoring for Existing Tanks | ___ 6. Method |
| | 1) Monthly Test |
| | 2) Daily Vadose
Semi-annual groundwater
One time soils |
| | 3) Daily Vadose
One time soils
Annual tank test |
| | 4) Monthly Groundwater
One time soils |
| | 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/groundwater mon. |
| | 6) Daily Inventory
Annual tank testing
Cont pipe leak det |
| | 7) Weekly Tank Gauge
Annual tank testing |
| | 8) Annual Tank Testing
Daily Inventory |
| | 9) Other _____ |
| New Tanks | ___ 7. Precs Tank Test 2643 |
| | Date: _____ |
| | ___ 8. Inventory Rec. 2644 |
| | ___ 9. Soil Testing. 2646 |
| | ___ 10. Ground Water. 2647 |
| | ___ 11. Monitor Plan 2632 |
| | ___ 12. Access. Secure 2634 |
| | ___ 13. Plans Submit 2711 |
| | Date: _____ |
| | ___ 14. As Built 2635 |
| Date: _____ | |

Comments: 2 hrs (35 miles)
On site: met Larry Fried (LF)
1 - underground tank (approx 100-150 gal)
- unknown content, uncovered
- tank had holes; rusted, had
liquid inside
- handed Service Truck UGT closure
Application by Jones A&P, need to be
completed & submitted to this
office.
- tried to collect soil sample
Very muddy.
- reschedule for Thurs (9/15/94)
- run for unknown per Tri Regional
guidelines
Tank uncovered Friday (9/9/94).
- no H₂S odor

II, III

Contact: _____

Title: _____

Signature: _____

Inspector: _____

Signature: Susan L. Hongo

SID 1667



1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500; FAX (510) 652-2248

Date	August 17, 1994		
Time	2:55pm		
From	Ron Goloubow		
Deliver To	Susan Hugo		
Name of Firm	Alameda County Health Care Services Agency		
FAX No.	(510) 337-9335	LF Project No.	1649.36

Number of Pages: This cover page plus **3** pages

Remarks:

THE INFORMATION CONTAINED IN THIS FACSIMILE IS CONFIDENTIAL AND IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IS ADDRESSED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR THE PERSON RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, DO NOT USE OR DISCLOSE THIS FACSIMILE. IF YOU HAVE RECEIVED THIS FACSIMILE IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL TO LEVINE-FRICKE VIA THE U.S. POSTAL SERVICE. THANK YOU.

**LEVINE•FRICKE**

ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

August 17, 1994

LF 1649.36

Ms. Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Second Floor
Alameda, California 94502

Subject: Results of the Soil Samples Collected from Test Pits
Excavated Along the Southern Portion of Area C at the
Yerba Buena/East Baybridge Project Site

Dear Kim:

Enclosed are the analytical results of soil samples collected from test pits excavated at the Yerba Buena/East Baybridge Center Project Site ("the Site"; Figure 1). This work was performed on August 9, 1994, in response to a request from Catellus Development Corporation ("Catellus").

Background

A tar-like substance was observed in soil in the Yerba Buena Street right-of-way during grading activities in early August 1994. Railroad ties were also present in this area. To further evaluate the substance, seven test pits were excavated at the locations illustrated on Figure 2.

Test Pits

Levine-Fricke personnel observed excavation of the test pits. Each pit was excavated to a depth ranging between 3 and 7 feet below ground surface (bgs). Based on visual observations made during excavation of the test pits, the tar material and tar-affected soil appeared limited to the upper 1 to 2 feet of soil at each pit.

One soil sample was collected from the base of each test pit. The samples were submitted to Inchoape Testing Services Anamatrix Laboratories, a state-certified laboratory, for the analysis of total recoverable petroleum hydrocarbons (TRPH) and total petroleum hydrocarbons as diesel (TPHd).

1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500
Fax (510) 652-2246

LEVINE·FRICKE**Results**

Analytical results for TRPH and TPHd analysis are presented in the following table. Results are provided in parts per million (ppm).

Sample ID	Sample Depth (feet)	TRPH (ppm)	TPHd (ppm)
Toys 1	4	149	<10
Toys 2	8	97	<10
Test Pit 1	3.5	47	<10
Test Pit 2	6	820	160
Test Pit 3	6	2,000	390
Test Pit 4	4	57	<10
Test Pit 5	3	<30	<10

Based on visual observations and soil samples collected from test pits Toys 1 and 2, the tar-affected soil is not present in this portion of the Site.

Visual observations and analytical results for test pits 1, 2, 4, and 5 indicate the tar-affected soil is localized in the area of the Yerba Buena Street right-of-way (the former railroad track area) and is limited to the upper 2 to 3 feet of soil. Results for test pit 3 indicate the extent of the tar-affected soil is greater than 5 feet bgs in this area.

The concentrations of TRPH detected are below the site cleanup level of 1,000 ppm for TRPH for all samples except the sample collected from test pit 3. Similarly, the TPHd concentrations detected are below the cleanup level of 100 ppm for all samples except those collected from test pits 2 and 3.

Conclusions

Catellus proposes to address remediation of the tar-affected soil in the vicinity of test pits 2 and 3 in accordance with the regulatory-approved Soil Containment Plan. Soil containing concentrations of TRPH in excess of 1,000 ppm and TPHd in excess of 100 ppm will be capped in place beneath

LEVINE·FRICKE

asphalt pavement of a roadway proposed for this area of the Site. Placement of the tar-affected soils beneath this impermeable cap will inhibit any potential migration of the tar-like substance to ground water.

If you have any questions or comments regarding this letter please call me at (510) 652-4500 or Ms. Kimberly Brandt at Catellus Development (415) 974-4500.

Sincerely,



Ron Goloubow
Senior Project Geologist

cc: Ms. Kimberly Brandt, Catellus Development
Mr. Sumadhu Arigala, RWQCB

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

II, III

Site ID # 1667 Site Name Former Kasame Today's Date 8/15/94

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Sids 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

Site Address _____

City Emeryville Zip 94608 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

On site: met Ron Solowband (LF)

observed tank pit - filled with groundwater.

Per Ron Solowband - cement bottom left on site

all samples were NP except the soil sample from the stockpiles.

Approved to backfill the pit with clean fill only.

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- | | |
|---|---|
| General | <input type="checkbox"/> 1. Permit Application 25284 (H&S) |
| | <input type="checkbox"/> 2. Pipeline Leak Detection 25292 (H&S) |
| | <input type="checkbox"/> 3. Records Maintenance 2712 |
| | <input type="checkbox"/> 4. Release Report 2651 |
| | <input type="checkbox"/> 5. Closure Plans 2670 |
| Monitoring for Existing Tanks | <input type="checkbox"/> 6. Method |
| | 1) Monthly Test |
| | 2) Daily Vadose
Semi-annual groundwater
One time soils |
| | 3) Daily Vadose
One time soils
Annual tank test |
| | 4) Monthly Gndwater
One time soils |
| | 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon. |
| | 6) Daily Inventory
Annual tank testing
Cont pipe leak det |
| | 7) Weekly Tank Gauge
Annual tank testing |
| | 8) Annual Tank Testing
Daily Inventory |
| | 9) Other _____ |
| New Tanks | <input type="checkbox"/> 7. Precs Tank Test 2643
Date: _____ |
| | <input type="checkbox"/> 8. Inventory Rec. 2644 |
| | <input type="checkbox"/> 9. Soil Testing 2646 |
| | <input type="checkbox"/> 10. Ground Water. 2647 |
| <input type="checkbox"/> 11. Monitor Plan 2632 | |
| <input type="checkbox"/> 12. Access. Secure 2634 | |
| <input type="checkbox"/> 13. Plans Submit 2711
Date: _____ | |
| <input type="checkbox"/> 14. As Built 2635
Date: _____ | |

Rev 6/88

II, III

Contact: _____

Title: _____

Signature: _____

Inspector: _____

Signature: Steven L. Hugel

828-8702

METHOD 5520EF Modified(Oil and Grease as Hydrocarbons in Soil)
Inchcape Testing Services, Anametrix (408) 432-8192

DATE EXTRACTED: 8/12/94

BATCH: HD612WA1

DATE ANALYZED: 8/12/94

ANALYST: RL

ANAMETRIX LD.:	CLIENT I.D.:	Weight Extracted (g):	Final Weight: (g)	Initial Weight: (g)	Weight of Residue (g)	Oil & Grease (mg/Kg)
4408141-1	Backfill	30g	10.7965	10.7583	0.0382	130
9408142-1	Tank East		10.7529	10.7513	0.0016	52 ✓
-2	End west		10.7862	10.7844	0.0018	60 ✓
✓ -3	P. Piny		10.8477	10.8454	0.0023	77 ✓

CALCULATIONS:

LCS: 113%

$OSG(mg/Kg) = \frac{wt. \text{ of residue}(g) \times 1000mg}{.03Kg \times 1g}$

MS: 167%

$\% \text{ Rec. LCS} = \frac{\text{amount recovered}(mg/Kg)}{300mg/Kg} \times 100$

MSD: 267%

RPD: 15%

$\% \text{ Rec. MSD} = \frac{\text{amount recovered}(mg/Kg) - \text{amount in sample}(mg/Kg)}{300mg/Kg} \times 100$

APPROVAL:

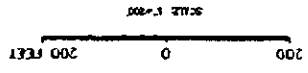
RL & B. W. 8/12/94

RL 8/12

TO: ~~LEVIN-FRICKE~~
 Susan Huyo
 From: Ron Golobkav
 337-9335

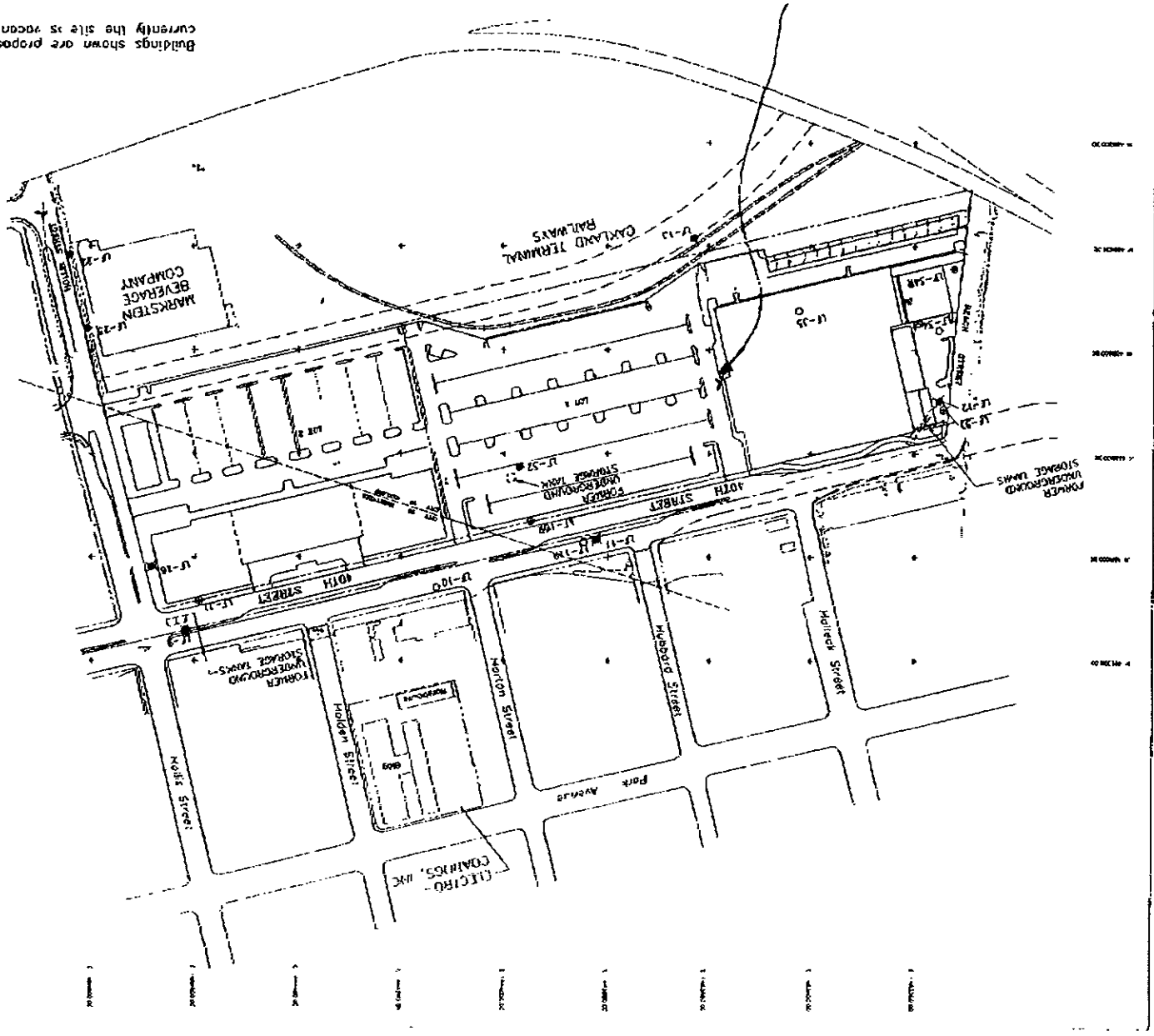
LEVIN-FRICKE
 Project No. 1649

FIGURE 2:
 SITE PLAN SHOWING PROPOSED LOCATION
 FOR GROUND-WATER MONITORING WELL
 FOR NON-ATTAINMENT ZONE MONITORING



- EXPLANATION
- Abandoned well
 - Proposed well for non-attainment zone monitoring
 - Existing ground-water monitoring well to be abandoned
 - U-12 Existing ground-water monitoring well to be abandoned & replaced for use in non-attainment zone monitoring

Buildings shown are proposed; currently the site is vacant.



Approx location of UST.

PROJECT 21 1649##-9-3379335 DWG. 01 08/93

STND 1667



INTEROFFICE MEMORANDUM

DATE: August 15, 1994

TO: Susan Hugo

FROM: Ron Coloubow

SUBJECT: Analytical Results for Soil Samples Associated with the Underground Storage Tank Removal at the East Baybridge Development

Here are the analytical reports for the soil samples collected from the underground storage tank removed in the vicinity of the proposed K-Mart store. Please note the soil samples were denoted as follows:

- Tank East and Tank West were collected from the east and west side of the excavation
- Piping was collected below the piping that was removed
- Backfill was collected from the material that is proposed to be placed back into the excavation

We need to know as soon as possible (with in one to two hours) if we can proceed with the backfilling of the excavation. I will call you at approximately 1:00 this afternoon to follow up on your approval. Please call me if you have any questions or need any additional information.

<p>ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS</p>	To	Susan Hugo	No. of Pages 5	
	Co.			
	Dept.		From	Ron G
	Fax No.	337-9335	Emeryville Office	
		Phone No.	(510) 652-4500	
		Fax No.	(510) 652-2246	

TOTL

ANAMETRIX, INC.
 1961 Concourse Drive, San Jose, CA 95131, (408) 432-8192

TOTAL FUEL HYDROCARBON REPORT

TPHg with BTEX

Workorder # 9408142

Client Project # 1649

ANAMETRIX ID #	01	02	03		
CLIENT ID #	TANCAST	TANCAST	PEPENG		
CONCENTRATION UNITS	mg/kg →				
BENZENE	<0.005	<0.005	<0.005		
TOLUENE	↓	↓	↓		
ETHYLBENZENE					
XYLENES	↓	↓	↓		
GASOLINE	<0.5	<0.5	<0.5		
% SURROGATE RECOVERY	812	992	872		
INSTRUMENT #	HP4 →				
DATE ANALYZED	8/12/94 →				
RLMF *	1 →				

Date: 8/12/94
 Analyst: LS

Date: 8-12-94
 Reviewer: LK

METHODS DONE ARE THOSE SPECIFIED BY CRWQCB.
 Anamatrix, Inc. GC Department Form 2-1

* RLMF - Reporting Limit Multiplication Factor

(1330/(2813))

ITS - ANAMETRIX LABORATORIES
1961 Concourse Drive, San Jose, CA 95131, (408) 432-8192 FX (408) 432-8190

TOTAL FUEL HYDROCARBON REPORT

TPH as Diesel / Motor Oil

Workorder # 9408142

Client Lerinc-Faick

Date Extracted 08112194

Project # 1649

Matrix WATER / SOIL

Instrument ID # HP9 / HP19 / HP23

ANAMETRIX ID #	CLIENT ID #	DATE ANALYZED	REPORTING LIMIT	AMOUNT FOUND ppb / ppm	% SURROGATE RECOVERY
-1	Tank east	08112194	10	ND	99%
-2	Tank West	08112194	10	ND	97%
-3	Piping	"	10	ND	96%
B	method Blank	08112194	10	ND	102%

Date: 08115194

Date: 8/15/94

Analyst: ARP

Reviewer: CS JD 8/15

METHODS PERFORMED ARE THOSE SPECIFIED BY TRIREGIONAL GUIDELINES.

ANAMETRIX, INC.
 1961 Concourse Drive, San Jose, CA 95131, (408) 432-8192

TOTAL FUEL HYDROCARBON REPORT

TPHg with BTEX

130

Workorder # 9408141

Client Project # 1649

ANAMETRIX ID #	1				
CLIENT ID #	BACKFILL				
CONCENTRATION UNITS	Mg/Kg				
BENZENE	LO.005				
TOLUENE	↓				
ETHYLBENZENE					
XYLENES					
GASOLINE	LO.5				
% SURROGATE RECOVERY	80%				
INSTRUMENT #	HP-4				
DATE ANALYZED	8/12/94				
RLMF *	1				

Date: 8/15/94
 Analyst: RD

Date: 8/15/94
 Reviewer: ca JJ 8/15

METHODS DONE ARE THOSE SPECIFIED BY CRMQCB.
 Anamatrix, Inc. GC Department Form 2-1

* RLMF - Reporting Limit Multiplication Factor

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Inspection Form

(Castellus site)

II, III

Site ID # _____ Site Name Future K-Mart Today Date 8/11/94

Site Address 3 Hollis + 40th St.

City Oakland Zip 94 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks ~550 gal UST

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

11:05 arrived onsite.
Comments:
 Audrey of OFD authorized County to OK tank inertness. Ron Golobow of L-F used Gastechtor + verified 0% LEL + 20% O₂. The top of UST was inadvertently ripped open as a result of trenching activities 8-8-94. The UST was ~1/2 full of gravel, most of which was removed into a Truump truck. They (L-F) got up to 400 ppm w/O₂M of tank contents. Brian Smith of PES (for K-Mart) is onsite. 11:23 took a soil sample ~1' below bags (under piping - see photo). ~~Ron~~ 11:25 Removal of UST: single-walled steel, 8' x ~4' dia. Erickson pumped ~50 gal liq. fm UST over past 2 days. Ron G. said the liq. had some sheen, + that tank invert at 7 1/2' bgs. 11:35 left site; 12:00 returned - Manifest # 93238782. No obvious holes/rust on UST. 12:05 Began excavating the stained, HC-odorous soil fm below UST. There appears to be a concrete slab ~1' below UST, so we →

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stds 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N) _____
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) _____
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- General
- 1. Permit Application 25284 (H&S)
 - 2. Pipeline Leak Detection 25292 (H&S)
 - 3. Records Maintenance 2712
 - 4. Release Report 2651
 - 5. Closure Plans 2670

- Monitoring for Existing Tanks
- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose Semi-annual groundwater One time soils
 - 3) Daily Vadose One time soils Annual tank test
 - 4) Monthly Groundwater One time soils
 - 5) Daily Inventory Annual tank testing Cont pipe leak det Vadose/groundwater mon.
 - 6) Daily Inventory Annual tank testing Cont pipe leak det
 - 7) Weekly Tank Gauge Annual tank testing
 - 8) Annual Tank Testing Daily Inventory
 - 9) Other _____
 - 7. Precis Tank Test Date: _____ 2643
 - 8. Inventory Rec. 2644
 - 9. Soil Testing 2646
 - 10. Ground Water. 2647

- New Tanks
- 11. Monitor Plan 2632
 - 12. Access Secure 2634
 - 13. Plans Submit 2711
 - Date: _____
 - 14. As Built 2635
 - Date: _____

Rev 8/88

Contact: KIMBERLY BRANDT
 Title: Env Spc
 Signature: Kimberly Brandt

Inspector: Jennifer Eberle
 Signature: J Eberle

II, III

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Inspection Form

(Catellus site) p. 2 of 2

II, III

Site ID # _____ Site Name Future K-Mart Today's Date 8/11/94

Site Address 40th + Hollis St.

City Oakland Zip 94 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

did not sample soil above the concrete. So we used a drive sampler & took soil sample from ~~the~~ edge of East wall/bottom, at an angle (Tank East), at ~ 8 1/2' bgs. Kim Brandt is onsite. The remainder of soil in pit, which was loosened up from above the concrete slab, is to be stockpiled w/the rest of the "presumed dirty" soil, on + under visqueen.

12:40 Took soil sample from W or NW wall, bec. soil was stained green, at ~ 8 1/2' bgs. (Tank West). A small amt of water (gw?) is entering the bottom of pit at ~ 9' bgs, but it's not enough to sample.

Soil below UST is clayey.

12:50 left site

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stds. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
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- 9. Modification 25505(b)

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N) _____
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) _____
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- General
- 1. Permit Application 25284 (H&S)
 - 2. Pipeline Leak Detection 25292 (H&S)
 - 3. Records Maintenance 2712
 - 4. Release Report 2651
 - 5. Closure Plans 2670

Monitoring for Existing Tanks

- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
 - Semi-annual groundwater
 - One time soils
 - 3) Daily Vadose
 - One time soils
 - Annual tank test
 - 4) Monthly Groundwater
 - One time soils
 - 5) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/grdwat mon.
 - 6) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank testing
 - 8) Annual Tank Testing
 - Daily Inventory
 - 9) Other _____

- 7. Precs Tank Test 2643
- Date: _____
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water. 2647

- New Tanks
- 11. Monitor Plan 2632
 - 12. Access Secure 2634
 - 13. Plans Submit 2711
 - Date: _____
 - 14. As Built 2635
 - Date: _____

Contact: _____

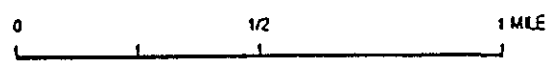
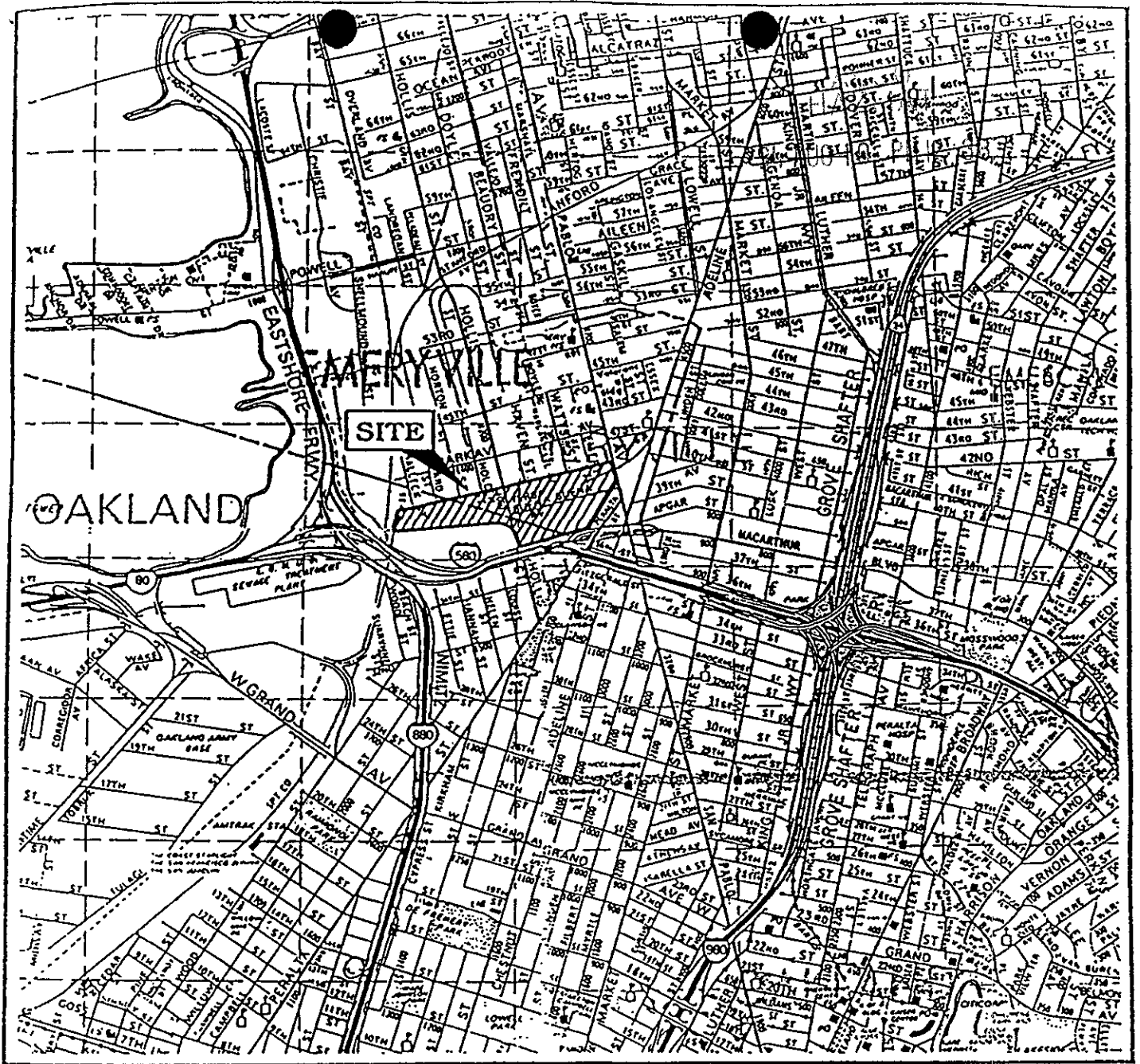
Title: Env Spec

Signature: Kathy Branch
Agent for AC

Inspector: Jennifer Eberle

Signature: J Eberle

II, III



MAP SOURCE:
Alameda & Contra Costa Counties,
Thomas Bros. map, 1990 Edition

Figure 1: SITE LOCATION MAP
YERBA BUENA PROJECT SITE

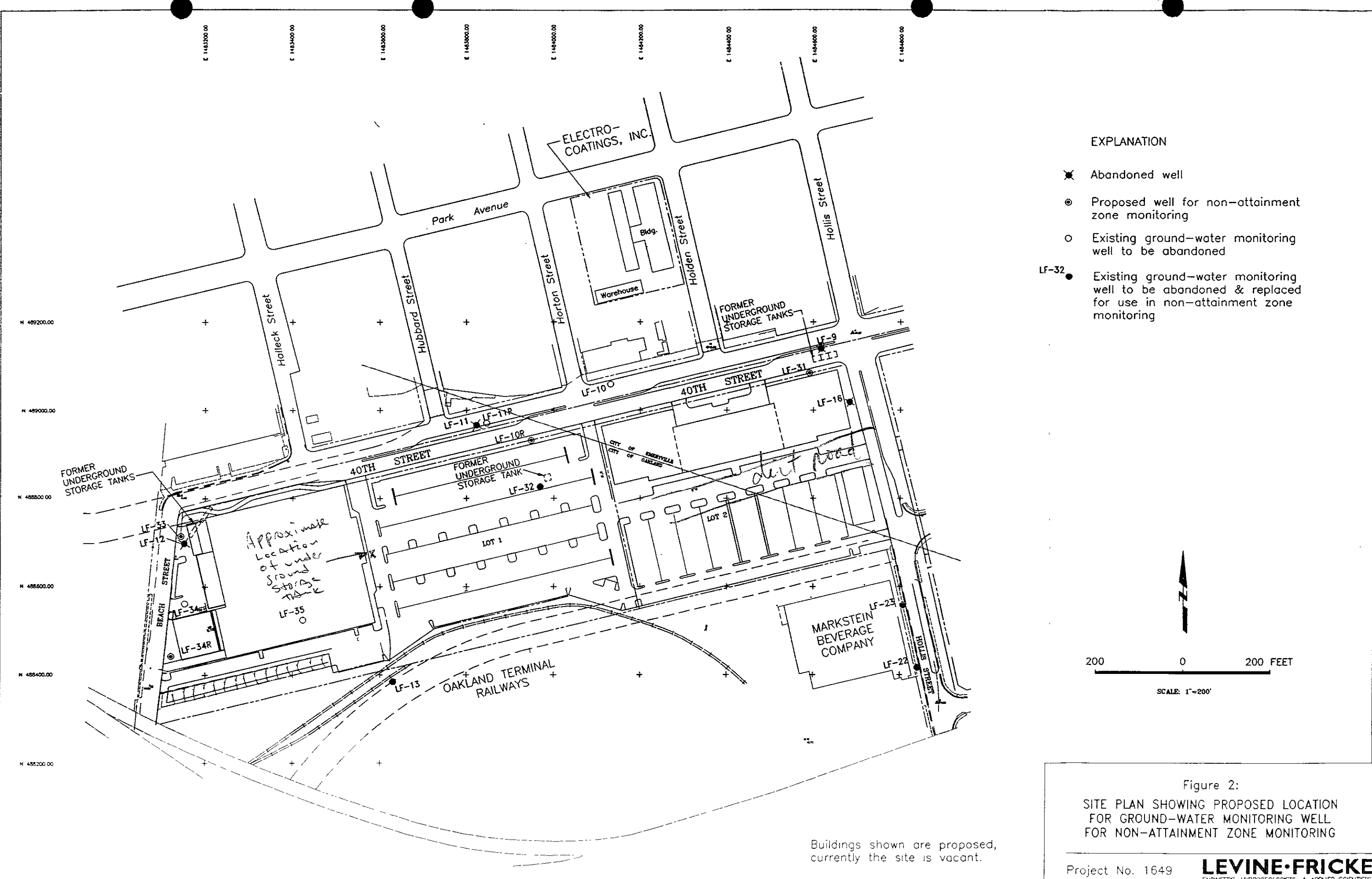


Figure 2:
 SITE PLAN SHOWING PROPOSED LOCATION
 FOR GROUND-WATER MONITORING WELL
 FOR NON-ATTAINMENT ZONE MONITORING

Buildings shown are proposed,
 currently the site is vacant.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME		NAME OF OPERATOR <i>Former M+M warehouse (estimate)</i>				
ADDRESS <i>40th @ Hollis Street</i>		NEAREST CROSS STREET <i>40th</i>	PARCEL # (OPTIONAL)			
CITY NAME <i>Emeryville CA</i>		STATE <i>CA</i>	ZIP CODE <i>94608</i>	SITE PHONE # WITH AREA CODE <i>None</i>		
<input checked="" type="checkbox"/> BOX TO INDICATE <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY						
TYPE OF BUSINESS		<input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input checked="" type="checkbox"/> 5 OTHER		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE <i>1</i>	E. P. A. I. D. # (optional)

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) <i>Kim Brandt</i>		PHONE # WITH AREA CODE <i>415 9744500</i>		DAYS: NAME (LAST, FIRST) <i>Ron Golobow</i>		PHONE # WITH AREA CODE <i>510 5969550</i>	
NIGHTS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE		NIGHTS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE	

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME <i>Catellus Dev.</i>		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS <i>201 Mission St.</i>		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME <i>SF CA</i>		STATE <i>CA</i>	ZIP CODE <i>94105</i>	PHONE # WITH AREA CODE <i>415 9744500</i>

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER <i>Catellus Development</i>		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS <i>201 Mission St</i>		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME <i>SF</i>		STATE <i>CA</i>	ZIP CODE <i>94105</i>	PHONE # WITH AREA CODE <i>415 9744500</i>

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ -

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input checked="" type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 99 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. II. III.

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <i>Ron Golobow</i>	APPLICANT'S TITLE <i>Geologist</i>	DATE MONTH/DAY/YEAR <i>8/10/94</i>
--	---------------------------------------	---------------------------------------

LOCAL AGENCY USE ONLY

COUNTY # <input type="text" value=""/> <input type="text" value=""/>	JURISDICTION # <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	FACILITY # <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input checked="" type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: _____

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN	
A. OWNER'S TANK I. D. # <u>Unknown</u>	B. MANUFACTURED BY: <u>Unknown</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>Unknown</u>	D. TANK CAPACITY IN GALLONS: <u>550 (estimate)</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.			
A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 4 OIL	B. <input type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input checked="" type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 2 LEADED
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____			C. A S. #: _____
			<input type="checkbox"/> 3 DIESEL
			<input type="checkbox"/> 4 GASAHOL
			<input type="checkbox"/> 5 JET FUEL
			<input type="checkbox"/> 6 AVIATION GAS
			<input type="checkbox"/> 7 METHANOL
			<input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E				
A. TYPE OF SYSTEM	<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 95 UNKNOWN	
	<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 99 OTHER	
B. TANK MATERIAL (Primary Tank)	<input checked="" type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM	<input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
C. INTERIOR LINING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYD LINING	<input type="checkbox"/> 3 EPOXY LINING	<input type="checkbox"/> 4 PHENOLIC LINING
	<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___				
D. CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____	

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE				
A. SYSTEM TYPE	A U <input type="checkbox"/> 1 SUCTION	A U <input type="checkbox"/> 2 PRESSURE	A U <input type="checkbox"/> 3 GRAVITY	A U <input type="checkbox"/> 99 OTHER
B. CONSTRUCTION	A U <input type="checkbox"/> 1 SINGLE WALL	A U <input type="checkbox"/> 2 DOUBLE WALL	A U <input type="checkbox"/> 3 LINED TRENCH	A U <input checked="" type="checkbox"/> 95 UNKNOWN
	A U <input type="checkbox"/> 99 OTHER			
C. MATERIAL AND CORROSION PROTECTION	A U <input type="checkbox"/> 1 BARE STEEL	A U <input type="checkbox"/> 2 STAINLESS STEEL	A U <input type="checkbox"/> 3 POLYVINYL CHLORIDE (PVC)	A U <input type="checkbox"/> 4 FIBERGLASS PIPE
	A U <input type="checkbox"/> 5 ALUMINUM	A U <input type="checkbox"/> 6 CONCRETE	A U <input type="checkbox"/> 7 STEEL W/ COATING	A U <input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP
	A U <input type="checkbox"/> 9 GALVANIZED STEEL	A U <input type="checkbox"/> 10 CATHODIC PROTECTION	<input checked="" type="checkbox"/> 95 UNKNOWN	A U <input type="checkbox"/> 99 OTHER
D. LEAK DETECTION	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 INTERSTITIAL MONITORING	<input type="checkbox"/> 99 OTHER

V. TANK LEAK DETECTION				
<input checked="" type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION		
1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>1970's</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>Ron Goloubow</u>	DATE <u>8/10/94</u>
--	---------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW				
STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

Jennifer Eberle

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 510/271-4320

JR
w/changes in red
STID
Eberle 8-10-94 4:57

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th St 3rd Floor
Oakland, CA 94612
Telephone: (510) 271-4320

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans must be approved by the Department prior to construction. The project proposed here is in accordance with the requirements of any required building permits for construction. One copy of these accepted plans must be on the job site available to all contractors and craftsmen involved in the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and the Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- Removal of Tank and Piping
- Sealing
- Final Inspection

UNDERGROUND TANK CLOSURE PLAN

*** Complete according to attached instructions ***

- Business Name Catellus Development Corporation
Business Owner Same as above
- Site Address Construction site - 40th St @ Hollis St Emeryville
City OAKland Zip 94608 Phone N/A
- Mailing Address 201 Mission Street 30th Floor
City SF CA Zip 94105 Phone 415 974 4500
- Land Owner Catellus Development Corporation
Address 201 Mission St City, state SF CA Zip 94105
- Generator name under which tank will be manifested Catellus Development
EPA I.D. No. under which tank will be manifested CAD 98358746

2000 Hollis St.
Halleck + Beach St.
Oakland
10 TPHg
100 TPHd
1000 TOG
41 BTEX total

A+B forms
tank pumped? contents?

6. Contractor Mountain Cascade Inc. ~~Checked 8-10-94~~
 Address 555 Exchange Ct ~~current & active~~
 City Livermore ~~exp 5-31-96~~ Phone 510 3738370
 License Type Gen. Engr. = A ID# 422496
~~no haz license~~

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant Levine - Fricke
 Address 1900 Powell St. 12th Floor
 City Emeryville CA Phone 510 6524500

8. Contact Person for Investigation
 Name Ron Goloubaw Title Sr. Project Geologist
 Phone 510 6524500 596-9550

9. Number of tanks being closed under this plan 1
 Length of piping being removed under this plan < 20'
 Total number of tanks at facility 1

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled **
 as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name Erickson inc. EPA I.D. No. CAD009466392
 Hauler License No. 0019 License Exp. Date 5/31/95
 Address 255 Park Blvd.
 City Richmond State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name Gibson Envision EPA I.D. No. CAD043260702
 Address 475 SeaPort Blvd
 City Redwood City State CA Zip 94604

Trump Bros
 646168
 408-292-0820
 checked 8-10-94
 current & active
 exp. 5-31-96
 A, Haz Sub,
 Co. of Sta Clara

c) Tank and Piping Transporter

Name Erickson, Inc. EPA I.D. No. CA-D009466392
Hauler License No. 0019 License Exp. Date 5-31-95
Address 255 Parr Blvd
City Richmond CA State CA Zip 94801

d) Tank and Piping Disposal Site

Name Star Erickson inc EPA I.D. No. CA-D009466392
Address 255 Parr Blvd
City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name Ron Goloubew
Company Levine Fricke
Address 1900 Powell St, 12th Floor
City Emeryville State CA Zip 94608 Phone 510 652 4500

12. Laboratory

Name AuA melia inc
Address 1961 Concourse Dr Suite E
City San Jose State CA Zip 95131
State Certification No. 1234

13. Have tanks or pipes leaked in the past? Yes [] No [] unknown(x)

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

Liquid in tank will be removed prior to excavation.
Dry ice will be added to tank to purge vapors.
gas meter will monitor tank +

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
2000 gal (estimate)	Tank was used for either gasoline or diesel. It is unknown when the tank was last used.	Soil	up to 2-3 feet below the base of the tank 2 soil samples + gw if present

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) 10-20 yds	Sampling Plan 4 discrete samples will be composited by the lab into one sample for analysis

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TP4d	EPA 3510 3550	GC FID 8015 ✓	1 ppm (Soil)
TP4j		EPA 5030/GC FID ✓	0.2 ppm (Soil)
TOTAL oil Grease		EPA 5530 5520 E+F	
BTEX		8020 or 8240	

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer Fremont Indemnity

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) Ron Golubow

Signature [Signature]

Date 8/9/94

Signature of Site Owner or Operator

Name (please type) KIMBERLY BRANDT Agent for Catellus

Signature [Signature] Agent for Catellus

Date 8/9/94

LEVINE-FRICKE, INC.

HSP APPROVAL REQUEST FORM

PROJECT AND SECTION NUMBER 1649.14

OFFICE NAME Emeryville, California

PACKAGE PREPARER NAME AND TITLE Michael Stoll, Project Geotechnical Engineer

CLIENT NAME Catellus Development Corporation

CLIENT ADDRESS 201 Mission Street, San Francisco, CA

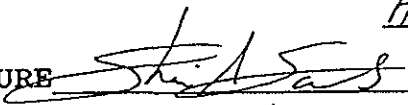
CLIENT CONTACT Ms. Kimberly Brandt

START DATE OF PROJECT DURATION OF PROJECT 1 to 2 weeks
8-9-94

NAME AND TITLE OF PROJECT MANAGER Jenifer Beatty, Project Hydrogeologist

COMMENTS This HSP is designed to address the following tasks scheduled at the Site: UST removal, soil sampling, ground-water sampling, and excavation/backfilling observation.

APPROVED BY (PRINT NAME AND TITLE) SHARI A. SAMUELS

APPROVAL SIGNATURE  DATE 7/14/93
HEALTH & SAFETY

OTHER APPROVALS IF NEEDED

SIGNATURE TITLE DATE

SIGNATURE TITLE DATE

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elaley

LF 1649.14

REMOVAL OF ONE UNDERGROUND STORAGE
 TANK AND ASSOCIATED PIPING FROM THE *Construction site @*
40 m / 111' in EMERYVILLE, CALIFORNIA
 HEALTH AND SAFETY PLAN

1.0 PURPOSE

This document defines the Health and Safety considerations for the possible management of hazardous substances by Levine-Fricke personnel and subcontractors. This document is required by Levine-Fricke policies and procedures and may be required by OSHA 29 CFR 1910.120. The basic requirements for the health and safety of the project workers are delineated in the Levine-Fricke Health and Safety Procedures. All personnel on site will be informed about the pertinent sections of the HSP.

2.0 PROJECT STAFFING

PROJECT MANAGER	Jenifer Beatty or Ron Goloubow
SITE SAFETY OFFICER	Michael Stoll
EMERGENCY COORDINATOR	Michael Stoll

3.0 SCOPE OF WORK

CHECK OFF APPROPRIATE CATEGORIES (MORE THAN ONE MAY APPLY)

X	TANK EXCAVATION	X	SOIL SAMPLING
X	SOIL EXCAVATION	o	ASBESTOS
o	POND CLEANUP	o	ON-SITE STORAGE
o	BUILDING DECONTAMINATION	o	CONSTRUCTION
o	MONITORING WELL INSTALLATION	o	DEMOLITION
o	ON-SITE TREATMENT SOIL	o	VAPOR SAMPLING
X	GROUND-WATER SAMPLING	o	OTHER _____
o	ON-SITE TREATMENT OF GROUND WATER		

Field activities at the Site relate to the removal of one underground storage tank. Levine-Fricke will observe the excavation of the tank. The tank will be removed by a subcontractor to Levine-Fricke using a backhoe. Levine-Fricke personnel will collect soil samples from the excavation limits. In addition, if ground-water is present in the excavation, a grab sample will be collected. Upon completion of sample collection activities, the excavation will be backfilled to grade.

4.0 HAZARD EVALUATION

A. **PHYSICAL HAZARDS (TRENCHES, UTILITIES, TERRAIN, ETC.)**
 The use of heavy equipment at the site poses potential physical hazards. Excavations pose a hazard for personnel around and entering the excavation.

B. **CHEMICAL CONTAMINANTS AND HIGHEST CONCENTRATIONS DETECTED IN SOIL OR GROUND-WATER AT THE SITE**

NAME OF MATERIAL	CONC. in ppm	TLV/PEL	ACTION LEVEL	MSDS AVAILABLE	HAZARD TO PERSONNEL
Oil and Grease					

CARCINOGENS?
 YES NO

IF YES, LIST --

4.1 Task Specific Hazards

TASK Soil Sampling, UST and Soil Excavation Observation

1. Noise and other hazards associated with the operation of heavy equipment.
2. Workers will not enter unsupported/non-sloped excavations deeper than 4 feet. All requirements pursuant to 29 CFR 1926.651 and 652, Excavations, Trenching and Shoring, shall be observed.

TASK Ground-Water Sampling

1. Workers will not enter unsupported/non-sloped excavations deeper than 4 feet. All requirements pursuant to 29 CFR 1926.651 and 652, Excavations, Trenching and Shoring, shall be observed.

5.0 PROJECT MANAGEMENT

CREW SIZE

PROJECT MANAGER	Jenifer Beatty
CHEMIST	Doug Lipton
SITE SAFETY OFFICER	Michael Stoll and/or Shellie Fletcher

5.1 Subcontractors

Excavation contractors (*Mountain Cascade* General Contractors of San Jose, California) with 40 hour OSHA training will complete the scheduled tasks.

6.0 MATERIAL HANDLING EQUIPMENT

(PROVIDE DETAILS, E.G., QUANTITIES AND TYPES)

_____	<input type="radio"/>	DRUM DOLLY	_____
_____	<input type="radio"/>	PUMPS	_____
_____	<input type="radio"/>	FORK TRUCK	_____
_____	<input type="radio"/>	MAN LIFT	_____
<u> 2 </u>	<input checked="" type="checkbox"/>	HEAVY EQUIP.	backhoe/excavator to remove UST/soil and soil, compactor to compact the backfill soils
_____	<input type="radio"/>	CRANE	_____
<u> 1 </u>	<input checked="" type="checkbox"/>	VACUUM TANKER	Licensed hauler for UST contents
_____	<input type="radio"/>	AIR COMPRESSOR	_____

7.0 REPORTING AND RECORDKEEPING

7.1 General

Recordkeeping shall be consistent with OSHA regulations in all respects. The following records will be maintained in the Corporate Health and Safety Director's Office, the local Levine-Fricke Office and/or at the site:

- The Health and Safety Log--The log documents the Site Safety officer's daily activities pertaining to site health and safety compliance.
- OSHA 200 Log and Summary of Occupational Injuries and Illnesses--Current within 72 hours. Will be maintained in the appropriate local office and Health and Safety Director's office.
- Respirator Fit Test Records
- Training and Medical Certificates
- Tailgate Safety Meeting Records

8.0 ENVIRONMENTAL SAMPLING

SAMPLING REQUIRED X YES o NO

SOIL SAMPLING

EQUIPMENT USED A mallet will be used to drive brass tubes into the soil.

WATER/LIQUID SAMPLING

EQUIPMENT USED A disposable sampling bailer will be used to collect the ground-water sample (if required) from the excavation.

9.0 TRAINING

LEVINE-FRICKE CREW RECEIVED INITIAL 40-HOUR TRAINING

X YES o NO

IF NO, WHY? _____

SUBCONTRACTOR RECEIVED REQUIRED TRAINING

X YES o NO *mountain cascade* contractors have received the required training

IF NO, WHY? _____

SAFETY BRIEFINGS ARE HELD EACH SHIFT

WHO CONDUCTS MEETING? The Levine-Fricke SSO

WHERE ARE RECORDS STORED? Levine-Fricke project files

10.0 MEDICAL REQUIREMENTS

ENTIRE CREW RECEIVED BASELINE PHYSICAL EXAMINATIONS

X YES NO

IF NO, WHY? _____

SPECIAL TESTS REQUIRED None

11.0 CONTAMINATION CONTROL

- The job site is partitioned into three distinct zones: clean zone, contamination reduction zone, and exclusion zone.
- Workers may only enter and exit from the exclusion zone via the contamination reduction zone.
- Only authorized personnel are allowed to enter the exclusion or the contamination reduction zone.
- Section 16 includes a site map defining the zones.
- Section 17 describes the personnel and equipment decontamination procedures.

12.0 WORKER PROTECTION

12.1 Personal Protective Equipment

1. WORK TASK DESCRIPTION soil and ground-water sampling, UST and soil excavation observation
2. LEVEL A B C D
3. RESPIRATORY PROTECTION No
4. PROTECTIVE CLOTHING

X HARD HAT

EYE PROTECTION

- X SAFETY GLASSES WITH SIDE SHIELDS
- CHEMICAL RESISTANT GOGGLES
- FACE SHIELD
- OTHER _____

BODY PROTECTION Not Applicable

GLOVES -when sampling

- LATEX
- SURGICAL RUBBER
- VITON
- X PVC
- NEOPRENE
- NEOPRENE (MILLED)
- SILVERSHIELD
- LEATHER
- COTTON
- OTHER _____

BOOTS

- X LEATHER - STEEL TOED
- PVC - STEEL TOED
- NEOPRENE - STEEL TOED
- PVC BOOTIES
- TYVEK BOOTIES
- OTHER _____

HEARING PROTECTION

- EAR MUFFS
- X EAR PLUGS
- OTHER _____

12.2 General Safety Equipment

- SAFETY SHOWER
 - EYEWASH
 - X BARRIERS
 - WARNING SIGNS
 - X BARRIER TAPE
 - WATER/GATORADE
 - DECON BARRELS
 - LIGHTING
 - LIFELINE/HARNESS
 - EXTRACTION DEVICE
 - AIR HORNS
-

X FIRE EXTINGUISHERS --to be supplied by the contractor and Levine•Fricke.

COMMUNICATION SYSTEMS-- Mobile cellular telephone on site for emergency use and pagers for Levine•Fricke personnel

SANITARY FACILITIES --Potable water will be brought to the site by Levine•Fricke personnel. Toilets are available at nearby Levine•Fricke sites or at the Levine•Fricke maintenance facility.

13.0 PERSONNEL MONITORING PLAN

AIR MONITORING REQUIRED Yes NO

EXPLAIN STRATEGY Air monitoring is not required, however a Photoionization detector will be used to monitor volatile organic chemical concentrations in the breathing zone. If ambient air concentrations of VOCs in the breathing zone reach 25 parts per million (ppm) or greater, personnel shall upgrade to Level C using half-face air-purifying respirators equipped with NIOSH-approved high efficiency particulate/organic vapor combination cartridges.

SAMPLING EQUIPMENT

- COMBUSTIBLE GAS/OXYGEN METER
- DRAEGER TUBES
- PHOTOIONIZATION DETECTOR
- FLAME IONIZATION DETECTOR
- INFRARED DETECTOR
- AEROSOL MONITOR
- SAMPLING PUMPS
- AND MEDIA _____

OTHER _____

HEAT STRESS MONITORING YES NO

NAMES OF MONITORING TECHNICIANS

Michael Stoll and/or Shellie Fletcher

LOCATION OF MONITORING RECORDS Levine-Fricke project files

14.0 SITE SAFETY OFFICER RESPONSIBILITIES

The Site Safety Officer (SSO) or Designee will enter before any work begins and will verify that the established zones are identified and escape routes are clear.

The daily site entry procedure will include the following:

- Determine the wind direction and stay appraised of it throughout the stay. Identify the direction during the tailgate safety meeting or informally with each affected employee.
- Confirm the proper placement of emergency information and operational status of equipment and the decontamination facility.
- Monitor the air as necessary for conditions that may cause injury or exposure and record all data.
- Visually observe for signs of actual or potential life- or health-threatening hazards.
- Note physical conditions of the site. Determine potential exposure pathways.
- Use survey tape or markers to identify new boundaries of the zones.
- Document site activities in a daily log. Record observations related to field conditions and the site.

15.0 GENERAL SAFE WORK PRACTICES

- All accidents and incidents must be reported to the supervisor immediately.
- All defects/malfunctions which appear during the course of the work shift must be reported to the supervisor.
- No eating, drinking, smoking, chewing tobacco or gum is allowed in the exclusion or contamination reduction zones.
- Employees shall inform their supervisors of any prescription medications they are using while at work that can affect their abilities.
- Employees shall not show up for work under the influence or in possession of alcohol or illicit drugs.
- Only Levine-Fricke-approved personal protective equipment shall be used by Levine-Fricke employees.
- Employees shall not remove or disturb any covering, guards, or safety devices placed on vehicles, gears, or other moving equipment or machinery, except to perform maintenance or repairs. Work on the equipment shall not commence until the equipment has been deactivated, sources of energy are removed, and controls are locked and tagged out.
- Before starting any vehicle or machinery, or turning on electricity, gas, steam, or air, employees will check the entire area to ensure that it is safe to proceed with the work. Out of service or locked out equipment is not to be started by anyone unless authorized by a supervisor.
- Employees shall maintain good housekeeping of the facilities and remove or dispose of all unnecessary materials.
- Special operations, including confined space entry, hot work, and decommissioning of equipment for repairs, require permits to be signed by authorized personnel. A description of the procedures will be included as an appendix.

- Trenching or excavations must be shored or sloped or appropriately prepared as required by OSHA standards. A description of the techniques to be used is included as an appendix, if appropriate.

16.0 WORK ZONE MAP

(Can be completed on site during the first working day.)

17.0 DECONTAMINATION PROCEDURES

PERSONNEL DECONTAMINATION PROCEDURES-- Disposable gloves, sampling equipment and other disposable clothing or equipment worn by Levine-Fricke personnel will be placed in a suitable disposal container on site at the end of each work day. Protective clothing will be replaced if its protective function is compromised through holes or tears.

EQUIPMENT DECONTAMINATION PROCEDURES-- Equipment that comes in contact with on-site soils or ground-water that apparently contain chemicals identified at the site will be brushed off before removal from the site area.

LAUNDERING PROCEDURE FOR WORK CLOTHES-- Wash separately.

18.0 LEVINE-FRICKE INTERNAL CALL LIST

IN THE EVENT OF INJURY, FIRE, EXPLOSION, SPILL, RELEASE, OR OTHER NONROUTINE EVENTS, IMMEDIATELY CONTACT ONE OF THE FOLLOWING PEOPLE, IN THIS ORDER:

1. *Jane Dookerby* (510) 652-4500
2. (510) 652-4500
3. Michael Stoll (510) 652-4500
4. Jenifer Beatty (510) 652-4500

19.0 HAZARDOUS WASTE OPERATIONS CONTINGENCY PLAN

GENERATOR'S NAME: Catellus Development Corporation

OWNER'S NAME:

Same

WORK LOCATION: *Construction site 40th @ Hollis in Emeryville CA*

CONTACT: Ms. Kimberly Brandt
(Catellus)

PHONE #(415) 974-4500

LEVINE-FRICKE PROJECT MANAGER: Jenifer Beatty or Ron Golubow

19.1 General Injury

- Step 1: Use first-aid kit on site, if appropriate.
- Step 2: Use off-site medical help and/or assistance if appropriate.
- Step 3: Notify SSO, On-Site Project Manager, and Health and Safety Director.

19.2 Specific Treatments

- Eye Exposure: Flush eye with eye wash, contact ambulance.
- Skin Exposure: Wash immediately with soap and water; contact ambulance, if appropriate.
- Fire (localized): Use fire extinguisher and activate alarm system, if appropriate.
- Fire (uncontrolled): Call Fire Department.
- Chemical Spill: Contact Fire Department and National Response Center for Toxic Chemical and Oil Spills.
- Explosion: Contact Fire Department if potential for additional explosions or fire danger exists.
- Inhalation: Move person to clean air and cover source of chemicals, if possible.
- Swallowing: Contact ambulance service.

EMERGENCY PHONE NUMBERS:

- POLICE 911
- FIRE 911

Hazardous Materials Release Response/Reporting

- National Response Center 1-800-424-8802
- California Office of Emergency Services 1-800-852-7550

Toxics Information

- CHEMTREK 1-800-424-6699
- Poison Control Center 1-415-476-6600
- AMBULANCE 911
- HOSPITAL
Emergency Room 1-510-204-1303
Alta Bates Hospital
2450 Ashby Avenue
Berkeley, California

See attached map for route to hospital.

20.0 CONTRACTOR AND SUBCONTRACTOR AGREEMENTS

Contractor and Subcontractor Agreements:

1. Contractor certifies that the following personnel to be employed on the Site adjacent to 3819 San Pablo Avenue, Emeryville have met the Hazards and Protection requirements of the OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) and other applicable standards.
2. Contractor certifies that, in addition to meeting the OSHA requirements, she/he has received a copy of this HSP and will insure that the employees and subcontractors of the Contractor are informed, and will comply with both OSHA requirements and the guidelines in this HSP.
3. Contractor further certifies that she/he has read, understands, and will comply with all provisions of this HSP and will not hold Levine-Fricke responsible or liable for any injury or health problems that may occur.

Contractor Personnel	Training/ Certification/ Medical Examination	Signature	Date
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



MAP SOURCE:
 Thomas Bros. Map
 Alameda and Contra Costa Counties
 1992 EDITION

Figure 1: SITE LOCATION MAP

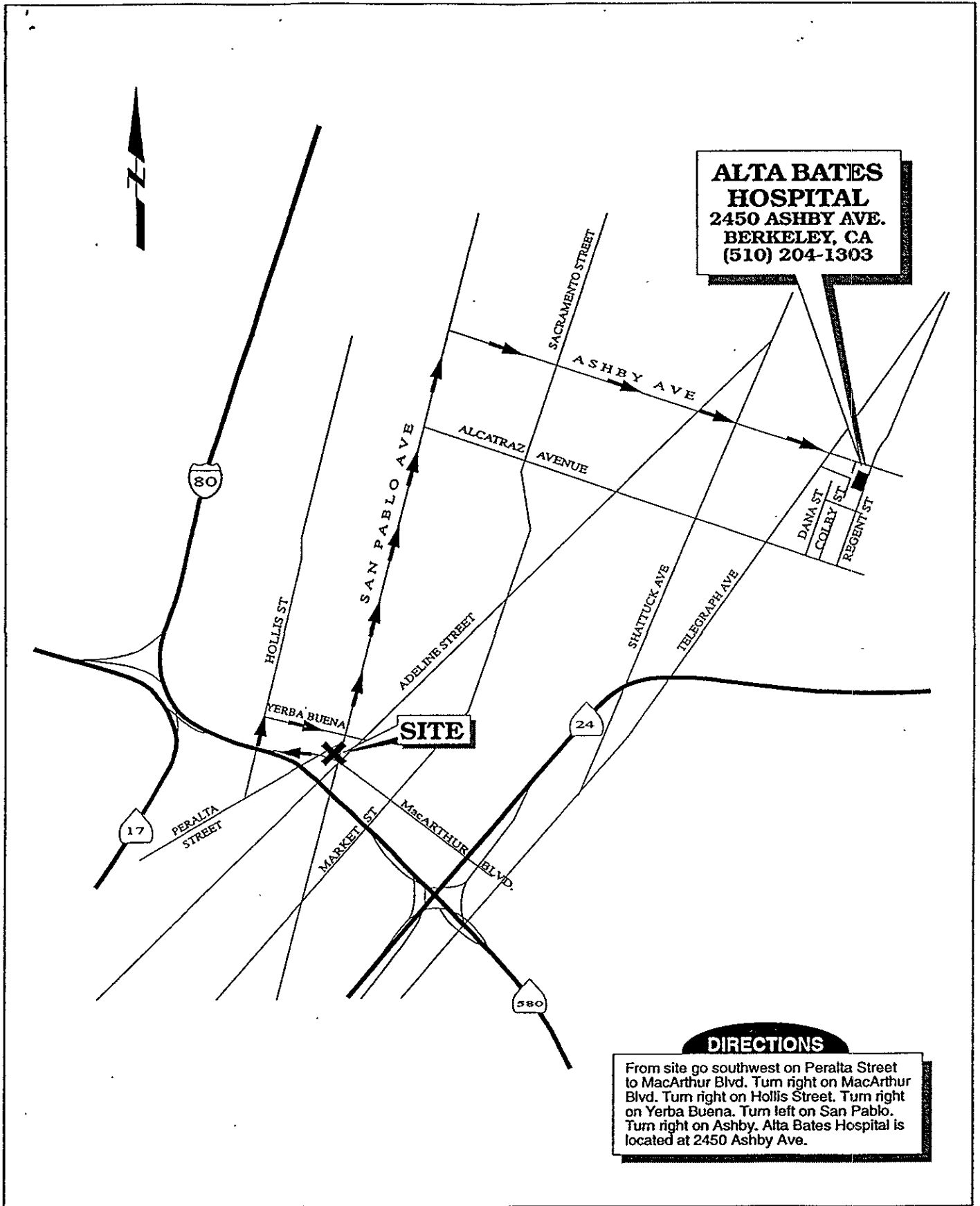


Figure 2 : HOSPITAL ROUTE MAP

LOP - RECORD CHANGE REQUEST FORM

printed:
08/09/94

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 12034
 StID : 4251
 SITE NAME: Bashland, Inc. DATE REPORTED : 04/20/92
 ADDRESS : 4015 Hollis St DATE CONFIRMED: 04/20/92
 CITY/ZIP : Emeryville 94608 MULTIPLE RPs : N

SITE STATUS

CASE TYPE: S CONTRACT STATUS: 4 PRIOR CODE: EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED:
 PRELIMINARY ASMNT: DATE UNDERWAY: DATE COMPLETED:
 REM INVESTIGATION: DATE UNDERWAY: DATE COMPLETED:
 REMEDIAL ACTION: DATE UNDERWAY: DATE COMPLETED:
 POST REMED ACT MON: DATE UNDERWAY: DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN:
 LUFT FIELD MANUAL CONSID:
 CASE CLOSED: DATE CASE CLOSED:
 DATE EXCAVATION STARTED : REMEDIAL ACTIONS TAKEN:

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Ric Notini, Director
 COMPANY NAME: Catellus Development Corp.
 ADDRESS: 201 Mission St.30th Floor
 CITY/STATE: San Francisco, Ca 94105

Kim Brandt

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only			Case Progress Changes	
ANPPGMS _____	LOP _____	DATE _____	LOP _____	DATE _____

LOP - CHANGE RECORD REQUEST FORM

printed:
08/09/94

Mark Out What Needs Changing and Hand to LOP Data Entry (Name/Address changes go to Annual Programs Data Entry)

1994-08-02 09:57

10-337-9335

ALAMEDA CO EHS HAZ-OPS

AGENCY #	1000	REMEDIATION SOURCE	OF FUNDING	PAGES	RESULT	USE ID	SUBSTANCE: 8006619
STID	: 1667						
SITE NAME:	Ransome Company						DATE REPORTED : 03/15/90
ADDRESS:	4030 Hollis St						DATE CONFIRMED: 03/15/90
CITY/ZIP :	Emeryville		94608				MULTIPLE RPs : Y

7499402045

SITE STATUS

CASE TYPE: G CONTRACT STATUS: 4 PRIOR CODE: EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED:
 PRELIMINARY ASMNT: DATE UNDERWAY: 04/05/90 DATE COMPLETED: 04/20/90
 REM INVESTIGATION: DATE UNDERWAY: 07/25/90 DATE COMPLETED: 01/15/91
 REMEDIAL ACTION: DATE UNDERWAY: 03/20/91 DATE COMPLETED:
 POST REMED ACT MON: DATE UNDERWAY: DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN:
 LUFT FIELD MANUAL CONSID:
 CASE CLOSED: ALAMEDA COUNTY ENVIRONMENTAL HEALTH SERVICES
 DATE EXCAVATION STARTED: 1511 HARBOR BAY PARKWAY, ALAMEDA, CA 94502-6577
 TELE: 510 / 567-6700 FAX: 510 / 337-9335

RESPONSIBLE PARTY INFORMATION
 -----TELEPHONE DIRECTORY-----

RP#1-CONTACT NAME: Ric Notini IN-HOUSE BY FLOORS
 COMPANY NAME: Catellus Development Co.
 ADDRESS: 201 Mission St. HAZ OPS STAFF
 CITY/STATE: San Francisco, Ca 94105

RP#2-CONTACT NAME: S. Kinear Smith EXTENSIONS AREAS
 COMPANY: Ransome Company
 ADDRESS: P.O. Box 6849 x36734
 CITY/STATE: Oakland, Ca 94603
 NAME: ARREOLA, Norma x36701
 NAME: ANANTHAM, RAVI x36759
 NAME: ASKAR, Inam x36753

INSPECTOR VERIFICATION:

NAME	SIGNATURE	DATE
BARRIE, Carmen		
BLAKE, Juliette	x36750	
BRIGHTMAN, Elaine	x36708	
BERRY, Ron	x36725	
BOWEN, Al	x36726	
ANNPGBOWDER, Ron	x36740	
BUENAVISTA, Iliy		

CHAN, Barney x36765
 COLEMAN, Gordon x36713
 CHU, Eva x36762
 CORONADO, Anita x36705
 COMPUTER ROOM 214 x36729
 COMPUTER ROOM 237 x36886
 DEA, Brad x36743
 DONG, Ron x36741
 EVANS, Pamela x36770
 EBERLE, Jennifer x36761
 FONG, Young x36747
 GHORAMT

Post-it brand fax transmittal memo 7671

To	Dieta's Big and	From	AS
Co.	ALA	Co.	EHS HAZ OPS
Dept.	ASA / Admin	Phone #	510-6750
Fax #	535-6925	Fax #	337-9335

Post-it brand fax transmittal memo 7671

To	Bill E. C. Blue	From	AS
Co.	ALA	Co.	EHS HAZ OPS
Dept.	Admin	Phone #	510-6750
Fax #	271-4522	Fax #	337-9335

LOP - CHANGE RECORD REQUEST FORM

printed:
08/09/94

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 1851
 SITE NAME: Bay Area Warehouse DATE REPORTED : 12/02/91
 ADDRESS : 4001 Hollis St DATE CONFIRMED: 12/02/91
 CITY/ZIP : Emeryville 94608 MULTIPLE RPs : Y

SITE STATUS

CASE TYPE: G CONTRACT STATUS: 4 PRIOR CODE: EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED: 09/18/92
 PRELIMINARY ASMNT: DATE UNDERWAY: DATE COMPLETED:
 REM INVESTIGATION: DATE UNDERWAY: DATE COMPLETED:
 REMEDIAL ACTION: DATE UNDERWAY: DATE COMPLETED:
 POST REMED ACT MON: DATE UNDERWAY: DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 09/18/92
 LUFT FIELD MANUAL CONSID:
 CASE CLOSED: DATE CASE CLOSED:
 DATE EXCAVATION STARTED : REMEDIAL ACTIONS TAKEN:

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Don Marini
 COMPANY NAME: Catellus
 ADDRESS: 201 Mission St., Ste 250
 CITY/STATE: San Francisco, Ca 94105

RP#2-CONTACT NAME: Mr. Charles Wellnitz
 COMPANY NAME: n/a
 ADDRESS: 8707 San Leandro St.
 CITY/STATE: Oakland, Ca 94601

INSPECTOR VERIFICATION:			
NAME	SIGNATURE	DATE	
Name/Address Changes Only			
ANPNPGMS		LOP	DATE
Case Progress Changes		LOP	DATE

soil. The soil samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX). In addition, the soil samples taken under the waste oil tank were analyzed for Total Oil and Grease (TOG) and Volatile Organic Compounds (VOC's).

The soil analytical results from the area of the gasoline tanks showed no TPHg and BTEX. The analytical results from the waste oil tank showed low levels of TPHg, VOC's were non-detectable, and Total Oil and Grease was 66 milligrams per kilogram (mg/Kg). The analytical results from the soil stockpile showed moderate levels of TPHg.

SCOPE OF WORK:

The scope of work included the following:

- Supervised the removal of contaminated soil from the former underground tank complex.
- Performed soil sampling of the excavation.
- Supervised backfilling and compacting of the excavation.
- Installed conductor casings to be used for installing two monitoring wells in the vicinity of the former underground tank complex areas, one near the former 500 gallon tank and one near the 250 gallon tank complex, for groundwater analysis.
- Prepared a technical report describing the field activities and the results of the soil sampling.

LOP - CHANGE RECORD REQUEST FORM

printed:
08/09/94

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 1667
 SITE NAME: Ransome Company DATE REPORTED : 03/15/90
 ADDRESS : 4030 Hollis St DATE CONFIRMED: 03/15/90
 CITY/ZIP : Emeryville 94608 MULTIPLE RPs : Y

SITE STATUS

CASE TYPE: G	CONTRACT STATUS: 4	PRIOR CODE:	EMERGENCY RESP:
RP SEARCH: S			DATE COMPLETED:
PRELIMINARY ASMNT:	DATE UNDERWAY: 04/05/90		DATE COMPLETED: 04/20/90
REM INVESTIGATION:	DATE UNDERWAY: 07/25/90		DATE COMPLETED: 01/15/91
REMEDIAL ACTION:	DATE UNDERWAY: 03/20/91		DATE COMPLETED:
POST REMED ACT MON:	DATE UNDERWAY:		DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN:
 LUFT FIELD MANUAL CONSID:
 CASE CLOSED: DATE CASE CLOSED:
 DATE EXCAVATION STARTED : REMEDIAL ACTIONS TAKEN:

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Ric Notini
 COMPANY NAME: Catellus Development Co.
 ADDRESS: 201 Mission St. 3rd Floor
 CITY/STATE: San Francisco, Ca 94105

RP#2-CONTACT NAME: S. Kinear Smith
 COMPANY NAME: Ransome Company
 ADDRESS: P.o. Box 6849
 CITY/STATE: Oakland, Ca 94603

INSPECTOR VERIFICATION:

NAME _____	SIGNATURE _____	DATE _____
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DATA ENTRY INPUT:

Name/Address Changes Only			Case Progress Changes	
ANPNPGMS _____	LOP _____	DATE _____	LOP _____	DATE _____

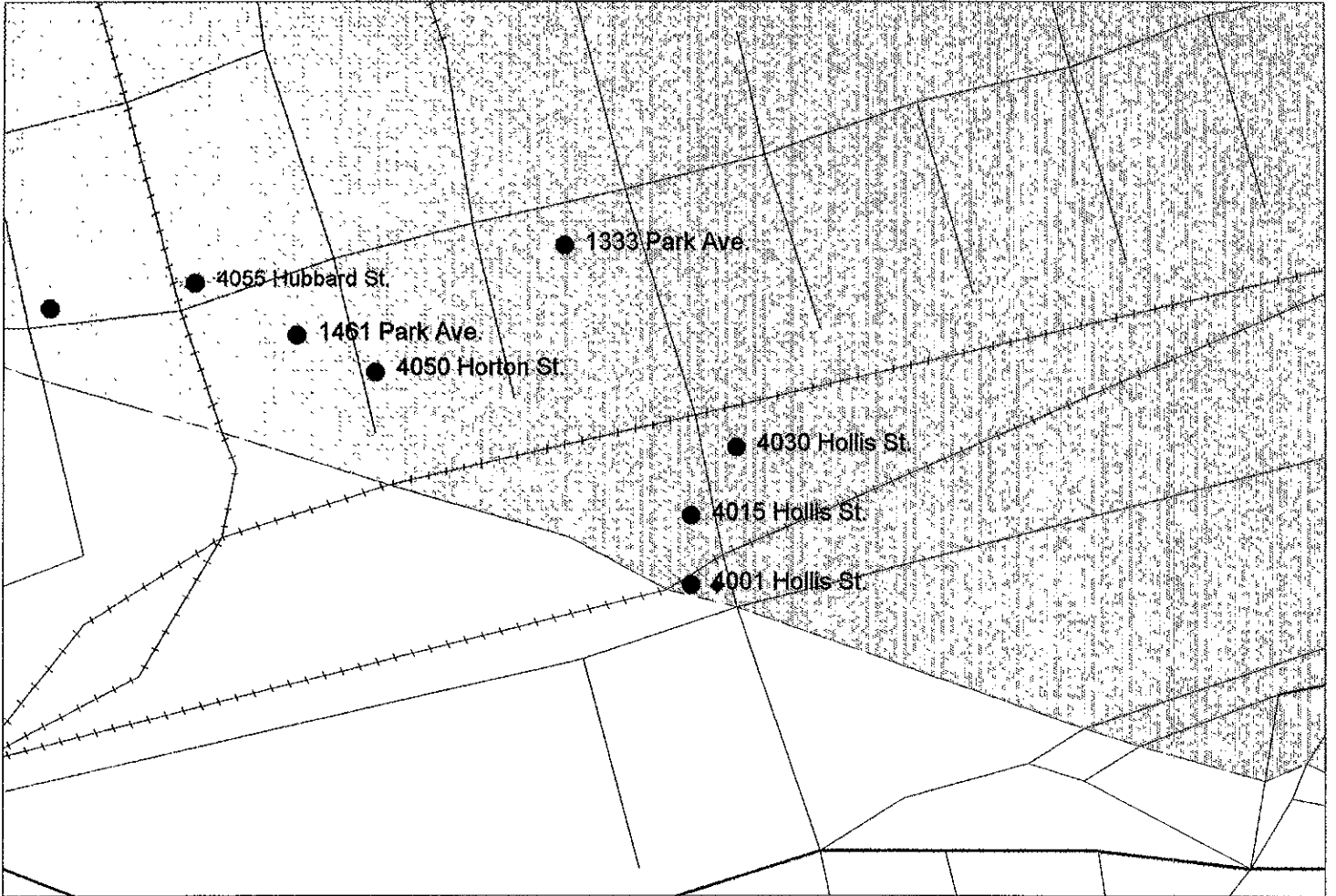
PURPOSE:

The purpose of this investigation was to explore the subsurface conditions beneath the former tank areas, to assess the extent of petroleum hydrocarbon migration that may have occurred due to inadvertent spillage or leakage prior to tank removal and to remove the affected contaminated soil.

FIELD ACTIVITIES:

On July 23, 1991, STE's staff engineer supervised the soil excavation of the former tank areas. The operation began by removing clean backfilled materials from the excavation and stockpiling them separately. The depths of clean materials were approximately 6 to 7 feet below grade. Soil was excavated to the depth of 10 feet below ground surface for the tank area located in the driveway and 16 feet below ground surface for the tank area located in the First Street sidewalk.

Soil that contained petroleum hydrocarbons that could be detected visually or detected by a PhotoVac instrument (PID) was removed and stockpiled on-site. The depths of the excavations in the former tank areas were restricted due to the proximity to the building foundation and the caving of the soil (gravelly, sandy/silty soil) in the excavation. Excavated soils were stockpiled on-site and placed on and covered with plastic sheeting.



● 4055 Hubbard St.

● 1333 Park Ave.

● 1461 Park Ave.

● 4050 Horton St.

● 4030 Hollis St.

● 4015 Hollis St.

● 4001 Hollis St.

● 
It's a

GRAND OPENING CELEBRATION!

**Catellus Development Corporation
is Pleased to Present
EAST BAYBRIDGE CENTER**

**the celebration
will be held at the center
(see enclosed map for directions)
ON JULY 15th, 1994
beginning promptly
at 10 am**

**complimentary parking will be available at the center
r.s.v.p. coleen brannan at 415.974.4655**



WHAT IS IT?

ALCO
HAZMAT

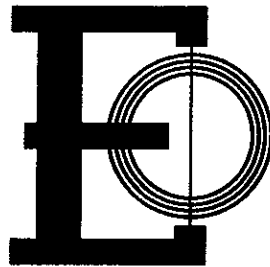
94 JUL 12 PM 4: 20



SAVE THE DATE!

Friday, July 15th, 1994
10:00 a.m.

CATELLUS DEVELOPMENT CORPORATION'S
East Baybridge Center



ALCO
HAZMAT

94 JUL --6 PM 1:37

Plan to join us as we celebrate this
GRAND OPENING!

(mark your calendars now ... more information to follow)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

July 5, 1994
STID# 1667

Ms. Kimberly Brandt
Catellus Development Corp.
201 Mission Street, 30th Floor
San Francisco, California 94105

**RE: Removal of One Heating Fuel Underground Storage Tank at
3819 San Pablo Avenue (corner of Peralta Street)
Yerba Buena / East Baybridge Project, Emeryville, CA 94608**

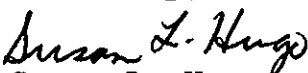
Dear Ms. Brandt:

One 1500 gallon heating fuel underground storage tank located underneath the sidewalk was removed in September 22, 1993 at the referenced site. Bottom soil samples collected at 10 feet bgs following removal of the tank found 120 ppm oil & grease and non detect for TPH diesel, BTEX and TPH motor oil. Sidewall sample at 8 feet bgs showed 33 ppm oil & grease and non detect for TPH diesel, BTEX and TPH motor oil.

It appears that low levels of residual soil contamination remains on site. Based upon the available data and with the provision that the information provided was accurate and representative of site conditions, Regional Water Quality Control Board and this agency concur that adequate source removal has occurred at the site and no further action related to the former underground heating fuel tank is required.

If you have any questions concerning this letter, please contact me at (510) 271-4530.

Sincerely,


Susan L. Hugo

Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health
Edgar B. Howell, Chief, Hazardous Materials Division / file
Sumadhu Arigala, RWQCB, San Francisco Bay Region
Jenifer Beatty / Ron Goloubow, Levine Fricke -
1900 Powell Street, 12th Floor, Emeryville, CA 94608

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

June 10, 1994
STID# 1667

Ms. Kimberly Brandt
Catellus Development Corp.
201 Mission Street, 30th Floor
San Francisco, California 94105

**RE: Investigation / Remediation at the
Yerba Buena Project Site, Emeryville, California 94608**

Dear Ms. Brandt:

The Alameda County, Department of Environmental Health, Hazardous Materials Division has completed review of the reports prepared and submitted to date by Levine Fricke for the referenced site. In addition, our staff toxicologist, Dr. Ravi Arulanantham, has reviewed the Baseline Health Risk Assessment for Area C prepared and submitted by Soma Environmental Engineering, Inc.

As you are aware, the Yerba Buena Project Site is divided into four designated areas; Area A, Area B, Area C and Area D. The cleanup goals proposed by Catellus for the site were as follows: 10 ppm TPH gasoline, 100 ppm TPH diesel, 1000 ppm oil and grease, and 1 ppm combined concentration of benzene, toluene, ethylbenzene, and xylene. In 1991, the Regional Water Quality Control Board and this agency concurred with the above mentioned site cleanup goals with the following conditions;

- 1) implementation of an acceptable containment plan for petroleum hydrocarbon affected soils which should include specific guidance language providing for the maintenance of the proposed encapsulations to protect water quality
- 2) implementation of an acceptable soil management plan such that any future activity at site which requires excavation of contaminated soil will be managed to mitigate any water quality problems which could arise
- 3) a notice to be placed on the recorded deed(s) whenever soils containing elevated levels of pollutants are contained on any affected parcel
- 4) a long term monitoring program to evaluate the remaining risks posed by the residual soil and groundwater contamination left in place

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 2 of 8

This office has the following comments concerning the status of the investigation / remediation for the different subject areas:

AREA A:

Two underground storage tanks (1500 gallon and 2000 gallon containing heating fuel oil) were removed in October 1, 1993. The former tanks (located southeast of the intersection of Yerba Buena Avenue and Hollis Street) were uncovered during grading work at the site. Soil samples collected following the removal of the tanks showed 470 ppm TPH diesel, 3800 ppm TOG, 960 ppm TPH motor oil, 0.013 ppm benzene, 0.013 ppm ethyl benzene, 0.055 ppm xylene and non detect (nd) for toluene. Overexcavation of contaminated soil (approx. 2500 cubic yards) was conducted and verification soil samples collected found 110 ppm TPH diesel, 430 ppm TOG, 170 ppm TPH motor oil, 0.007 ppm xylene, nd benzene, nd ethyl benzene, and nd toluene. The residual soil contamination left in place is within the clean up goals developed for the site with the exception of soil sample BS-14, collected at 14 feet bgs showing TPH diesel 10 ppm over the clean up goal).

It appears that adequate source removal of contaminated soil related to the two former tanks has occurred at the site. However, the threat to human health and groundwater posed by the residual soil contamination left in place must be evaluated. This issue should be addressed in the soil containment and management plan. Groundwater investigation related to the release associated with the two former tanks must be incorporated in the long term monitoring program.

In addition, volatile organic compounds had been detected in this area. A workplan for the installation of a groundwater extraction and treatment system had been approved by this office to hydraulically contain and extract shallow groundwater affected by the volatile organic compounds. To prepare the site for development, monitoring wells were abandoned and replacement wells will be installed following completion of site development.

AREA B:

One underground storage tank (approximately 350 gallon capacity) was removed in October 27, 1993. The former tank (located southeast of 40th and Hollis streets centerline) was uncovered during installation of underground utilities at the site. Soil sample collected following the removal of the tanks showed the

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California 94608
June 10, 1994
Page 3 of 8

following analytical results for petroleum hydrocarbons: 77 ppm oil and grease (O&G); non detect for TPH gasoline, TPH diesel, TPH motor oil, benzene, toluene, ethyl benzene, and xylene. VOC's were non detect with the exception of chloroform (0.0016 ppm) and methylene chloride (0.37 ppm). Overexcavation of soil suspected of containing petroleum hydrocarbons (based on PID readings and olfactory observation) was conducted and verification soil samples collected found 67 ppm O&G and non detect for TPH gasoline, TPH diesel, TPH motor oil and BTEX.

It appears that adequate source removal of contaminated soil related to the former tank has occurred at the site. Therefore, no further work will be required with regards to the former 350 gallon tank.

Former Ransome Company

On January 1990, five underground storage tanks were removed at the former Ransome Company site (2 - 4000 gallon diesel, 1 - 250 gallon waste oil, 1 - 1000 gallon gasoline, 1 - 10,000 gallon gasoline). Soil samples collected following the removal of the tanks showed the following petroleum hydrocarbon results: 740 ppm TPH gasoline, 7500 ppm TPH diesel, 1100 ppm TOG, 1.3 ppm benzene, 0.25 ppm toluene, 11.4 ppm xylene and 4.7 ppm ethyl benzene. Pipeline soil samples were collected and found the following petroleum hydrocarbon concentrations: 7400 ppm TPH gasoline, 4900 ppm TPH diesel, 32 ppm benzene, 150 ppm toluene, 371 ppm of xylene, 92ppm ethyl benzene. Approximately 25,000 cubic yards of contaminated soils were excavated and will be contained on site in accordance to the Containment Plan prepared by Levine Fricke dated March 10, 1992. Final verification samples showed that the residual soil contamination left in placed is within the clean up goals developed for the site with the exception of three samples collected at ten feet depth : SW-38 (45 ppm TPH gasoline, 0.70 ppm benzene, 6.6 ppm ethylbenzene, 14 ppm xylene); SW-41 (90 ppm TPH gasoline, 0.63 ppm benzene, 4 ppm ethylbenzene, 10 ppm xylene); SW-42 (70 ppm TPH gasoline, 0.08 ppm benzene, 2.4 ppm ethylbenzene, 13 ppm xylene). Three monitoring wells (W-1, W-2, and W-3) were installed by Aqua Resources Inc. (ARI) in November 1990 and subsequently destroyed during soil remediation activities. A groundwater investigation was conducted by Levine Fricke in May 1992 and seven monitoring wells (LF-16, LF-24, LF-25, LF-26, LF-27, LF-28 and LF-29) were installed at the site. Groundwater samples detected 0.4 ppb benzene, nd TPH gasoline, 0.4 ppb toluene, nd ethylbenzene, 2 ppb xylene, 980 ppb TPH diesel and 5600 ppb TOG.

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 4 of 8

It appears that adequate source removal of contaminated soil related to the five former tanks has occurred at the site. However, the threat to human health and groundwater posed by the residual soil contamination left in place must be evaluated and addressed in the soil containment and management plan.

Additionally, the groundwater investigation related to the releases associated with the five underground storage tanks must be incorporated in the long term monitoring program.

AREA C:

Former Bashland Property

Three underground storage tanks (2 -12,000 gallon diesel tanks, 1 - 1200 gallon oil tank) were removed in April 1992. Total oil and grease as high as 1500 ppm was detected in the soil sample collected at 8 feet bgs following the removal of the former tanks. A groundwater sample from the excavation pit showed 1200 ppb TPH diesel, 22 ppb trichloroethene, and 8 ppb 1,2 dichloroethene. One monitoring well (LF-31) located downgradient of the former tanks was installed in February 1993. During the recent monitoring event (3/11/94), the groundwater sample from this well detected 110 ppb TPH diesel, 210 ppb TPH oil, 6 ppb TCE, 3.4 ppb 1,2-DCE.

Two hydraulic lifts, an oil/water separator, and a concrete inspection pit were removed from the site in February 1993. Soil samples (SW2-7 & WS-6) collected at 6 feet to 7 feet bgs showed 3600 ppm TPH diesel and 2600 ppm O&G. Overexcavation was conducted and final verification soil samples collected at 10.5 feet to 13 feet bgs from the former hydraulic lift area detected 1600 ppm O&G and 1500 ppm TRPH.

It appears that adequate source removal of contaminated soil related to the former three tanks and two hydraulic lifts had occurred at the site. However, the threat to human health and groundwater posed by the residual soil contamination left in place must be evaluated and addressed in the soil containment and management plan.

Additionally, the groundwater investigation related to the releases associated with the former tanks and hydraulic lifts must be incorporated in the long term monitoring program.

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 5 of 8

Former Bay Area Warehouse (BAW)

On November 1991, a 2000 gallon gasoline tank was removed from the former BAW site. Soil samples collected following the removal of the tank showed 3ppm TPH gasoline and non detect for benzene. Lead was detected at 146 ppm. A groundwater collected from the excavation found 8800 ppb TPH gasoline, 240 ppb benzene, 360 ppb toluene, 170 ppm ethylbenzene, 750 ppb xylene and nd Pb. One monitoring well (LF-32) was installed in the downgradient location of the former tank. Initial groundwater sample collected on May, 1993 showed nondetectable concentration of TPH gasoline, BTEX and organic lead. However, TPH diesel was found at 440 ppb. The recent sampling event (March 1994) showed 110 ppb TPH gasoline, 890 ppb TPH diesel, 850 ppb TPH motor oil, 2.5 ppb TCE, 0.8 ppb 1,2-DCE and nd BTEX.

The groundwater monitoring related to the former gasoline tank must be continued and incorporated in the long term monitoring program.

Beach Street Area

Two 12,000 gallon underground storage tanks (uncovered during excavation of petroleum hydrocarbon contaminated soil) were removed in August 31, 1993. Soil samples collected beneath the tank excavation detected levels of petroleum hydrocarbon up to 200 ppm TPH diesel, 2200 ppm oil and grease, 540 ppm TPH motor oil and 31 ppm TPH gasoline. Overexcavation of contaminated soil was conducted in September, 1993 and final verification samples collected at 5 feet and 10 feet bgs showed 750 ppm TPH diesel, 4100 ppm oil and grease, 1400 ppm TPH motor oil, 100 ppm TPH gasoline, 0.14 ppm toluene, 1.7 ppm ethylbenzene, 5.6 ppm xylene.

A soil and groundwater investigation to determine the vertical and lateral extent of contamination resulting from the former leaking tanks was required by this agency. A work plan dated March 31, 1994 to install one monitoring well and two soil borings was prepared and submitted by Levine Fricke. The workplan is acceptable provided the following modifications are addressed:

- during borehole advancement, one of the soil samples to be collected must be from the soil/water interface and the sample must be analyzed by a state certified laboratory for VOC's and metals (Pb, Zn, Ni, Cr, Cd) in addition to TPH gasoline, TPH diesel, TPH motor oil and BTEX.
- initial groundwater samples must be analyzed for VOC's and metals (Pb, Zn, Ni, Cr, Cd) in addition to TPH gasoline, TPH

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 6 of 8

diesel, TPH motor oil and BTEX. Quarterly groundwater samples should be analyzed for TPH diesel, TPH gasoline, TPH motor oil and BTEX.

The threat to human health and groundwater posed by the residual soil contamination left in place must be addressed in the soil containment and management plan.

In addition, the groundwater investigation related to the two former leaking tanks must be incorporated in the long term monitoring program.

BASELINE HEALTH RISK ASSESSMENT FOR AREA C

This office has reviewed the May 16, 1994 Baseline Health Risk Assessment for AREA C prepared and submitted on May 17, 1994 by SOMA Environmental Engineering, Inc. The HRA evaluated potential human health risks to construction workers and future retail workers associated with exposure to volatile organic compounds (VOC's) in subsurface soil and groundwater and priority pollutant metals found in Area C. The VOC contamination found in Area C appears to be originating from an off-site upgradient source located north of the referenced site.

We concur with the findings presented in the HRA that the proposed development of Area C as a retail shopping center under current site conditions will not pose a significant health risk to construction workers and future retail workers. The risk assessment was a very well prepared technical document which addressed all of the concerns of the County. Please be advised that a Site Health and Safety Plan should be prepared and submitted to this office prior to initiating construction in Area C. The Health and Safety Plan should address the following issues:

- potential hazards due to inhalation of VOCs from soil and groundwater
- potential hazards due to contact with contaminated soils
- mitigating measures to reduce worker exposure to chemicals of concern
- monitoring plan to measure worker exposure to pollutants

Peralta Street & San Pablo Avenue

One 1500 gallon heating fuel underground storage tank (located underneath the sidewalk near 3819 San Pablo Ave.) was removed in September 22, 1993 at the referenced area. Bottom soil samples collected at 10 feet bgs following removal of the tank found 120

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 7 of 8

ppm oil & grease and non detect for TPH diesel, BTEX, TPH motor oil. Sidewall sample at 8 feet bgs showed 33 ppm oil & grease and non detect for TPH diesel, BTEX , TPH motor oil.

The residual soil contamination left in place are within the clean up goals for the site, however the impact to groundwater must be evaluated. The groundwater investigation related to the former heating fuel tank should be incorporated in the long term monitoring program.

Until clean up is complete, you will need to submit reports to this office **every three months** (or at a more frequent interval, if specified at any time by this office). In addition, the following items must be incorporated in your future reports or workplans :

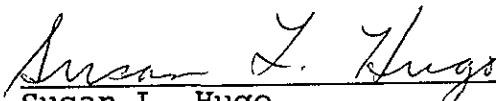
- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department of the responsible party or tank owner's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professional involved with the project.

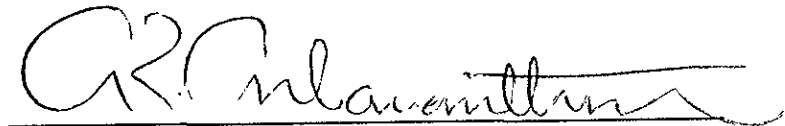
Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 8 of 8

If you have any questions concerning this letter, please contact anyone of the undersigned at (510) 271-4530.

Sincerely,



Susan L. Hugo
Senior Hazardous Materials Specialist



Ravi Arulanantham, Ph.D.
Staff Toxicologist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health
Edgar B. Howell, Chief, Hazardous Materials Division / file
Steven I. Morse, Division Chief, RWQCB-II
Lester Feldman, RWQCB-II
Sumadhu Arigala, RWQCB-II
Jenifer Beatty / Ron Goloubow, Levine Fricke -
1900 Powell St., 12th Floor Emeryville, CA 94608

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

June 10, 1994
STID# 1667

Ms. Kimberly Brandt
Catellus Development Corp.
201 Mission Street, 30th Floor
San Francisco, California 94105

**RE: Investigation / Remediation at the
Yerba Buena Project Site, Emeryville, California 94608**

Dear Ms. Brandt:

The Alameda County, Department of Environmental Health, Hazardous Materials Division has completed review of the reports prepared and submitted to date by Levine Fricke for the referenced site. In addition, our staff toxicologist, Dr. Ravi Arulanantham, has reviewed the Baseline Health Risk Assessment for Area C prepared and submitted by Soma Environmental Engineering, Inc.

As you are aware, the Yerba Buena Project Site is divided into four designated areas; Area A, Area B, Area C and Area D. The cleanup goals proposed by Catellus for the site were as follows: 10 ppm TPH gasoline, 100 ppm TPH diesel, 1000 ppm oil and grease, and 1 ppm combined concentration of benzene, toluene, ethylbenzene, and xylene. In 1991, the Regional Water Quality Control Board and this agency concurred with the above mentioned site cleanup goals with the following conditions;

- 1) implementation of an acceptable containment plan for petroleum hydrocarbon affected soils which should include specific guidance language providing for the maintenance of the proposed encapsulations to protect water quality
- 2) implementation of an acceptable soil management plan such that any future activity at site which requires excavation of contaminated soil will be managed to mitigate any water quality problems which could arise
- 3) a notice to be placed on the recorded deed(s) whenever soils containing elevated levels of pollutants are contained on any affected parcel
- 4) a long term monitoring program to evaluate the remaining risks posed by the residual soil and groundwater contamination left in place

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 2 of 8

This office has the following comments concerning the status of the investigation / remediation for the different subject areas:

AREA A:

Two underground storage tanks (1500 gallon and 2000 gallon containing heating fuel oil) were removed in October 1, 1993. The former tanks (located southeast of the intersection of Yerba Buena Avenue and Hollis Street) were uncovered during grading work at the site. Soil samples collected following the removal of the tanks showed 470 ppm TPH diesel, 3800 ppm TOG, 960 ppm TPH motor oil, 0.013 ppm benzene, 0.013 ppm ethyl benzene, 0.055 ppm xylene and non detect (nd) for toluene. Overexcavation of contaminated soil (approx. 2500 cubic yards) was conducted and verification soil samples collected found 110 ppm TPH diesel, 430 ppm TOG, 170 ppm TPH motor oil, 0.007 ppm xylene, nd benzene, nd ethyl benzene, and nd toluene. The residual soil contamination left in place is within the clean up goals developed for the site with the exception of soil sample BS-14, collected at 14 feet bgs showing TPH diesel 10 ppm over the clean up goal).

It appears that adequate source removal of contaminated soil related to the two former tanks has occurred at the site. However, the threat to human health and groundwater posed by the residual soil contamination left in place must be evaluated. This issue should be addressed in the soil containment and management plan. Groundwater investigation related to the release associated with the two former tanks must be incorporated in the long term monitoring program.

In addition, volatile organic compounds had been detected in this area. A workplan for the installation of a groundwater extraction and treatment system had been approved by this office to hydraulically contain and extract shallow groundwater affected by the volatile organic compounds. To prepare the site for development, monitoring wells were abandoned and replacement wells will be installed following completion of site development.

AREA B:

One underground storage tank (approximately 350 gallon capacity) was removed in October 27, 1993. The former tank (located southeast of 40th and Hollis streets centerline was uncovered during installation of underground utilities at the site. Soil sample collected following the removal of the tanks showed the

**ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY**

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

June 10, 1994
STID# 1667

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

Ms. Kimberly Brandt
Catellus Development Corp.
201 Mission Street, 30th Floor
San Francisco, California 94105

**RE: Investigation / Remediation at the
Yerba Buena Project Site, Emeryville, California 94608**

Dear Ms. Brandt:

The Alameda County, Department of Environmental Health, Hazardous Materials Division has completed review of the reports prepared and submitted to date by Levine Fricke for the referenced site. In addition, our staff toxicologist, Dr. Ravi Arulanantham, has reviewed the Baseline Health Risk Assessment for Area C prepared and submitted by Soma Environmental Engineering, Inc.

As you are aware, the Yerba Buena Project Site is divided into four designated areas; Area A, Area B, Area C and Area D. The cleanup goals proposed by Catellus for the site were as follows: 10 ppm TPH gasoline, 100 ppm TPH diesel, 1000 ppm oil and grease, and 1 ppm combined concentration of benzene, toluene, ethylbenzene, and xylene. In 1991, the Regional Water Quality Control Board and this agency concurred with the above mentioned site cleanup goals with the following conditions;

- 1) implementation of an acceptable containment plan for petroleum hydrocarbon affected soils which should include specific guidance language providing for the maintenance of the proposed encapsulations to protect water quality
- 2) implementation of an acceptable soil management plan such that any future activity at site which requires excavation of contaminated soil will be managed to mitigate any water quality problems which could arise
- 3) a notice to be placed on the recorded deed(s) whenever soils containing elevated levels of pollutants are contained on any affected parcel
- 4) a long term monitoring program to evaluate the remaining risks posed by the residual soil and groundwater contamination left in place

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following analytical results for petroleum hydrocarbons: 77 ppm oil and grease (O&G); non detect for TPH gasoline, TPH diesel, TPH motor oil, benzene, toluene, ethyl benzene, and xylene. VOC's were non detect with the exception of chloroform (0.0016 ppm) and methylene chloride (0.37 ppm). Overexcavation of soil suspected of containing petroleum hydrocarbons (based on PID readings and olfactory observation) was conducted and verification soil samples collected found 67 ppm O&G and non detect for TPH gasoline, TPH diesel, TPH motor oil and BTEX.

It appears that adequate source removal of contaminated soil related to the former tank has occurred at the site. Therefore, no further work will be required with regards to the former 350 gallon tank.

Former Ransome Company

On January 1990, five underground storage tanks were removed at the former Ransome Company site (2 - 4000 gallon diesel, 1 - 250 gallon waste oil, 1 - 1000 gallon gasoline, 1 - 10,000 gallon gasoline). Soil samples collected following the removal of the tanks showed the following petroleum hydrocarbon results: 740 ppm TPH gasoline, 7500 ppm TPH diesel, 1100 ppm TOG, 1.3 ppm benzene, 0.25 ppm toluene, 11.4 ppm xylene and 4.7 ppm ethyl benzene. Pipeline soil samples were collected and found the following petroleum hydrocarbon concentrations: 7400 ppm TPH gasoline, 4900 ppm TPH diesel, 32 ppm benzene, 150 ppm toluene, 371 ppm of xylene, 92ppm ethyl benzene. Approximately 25,000 cubic yards of contaminated soils were excavated and will be contained on site in accordance to the Containment Plan prepared by Levine Fricke dated March 10, 1992. Final verification samples showed that the residual soil contamination left in placed is within the clean up goals developed for the site with the exception of three samples collected at ten feet depth : SW-38 (45 ppm TPH gasoline, 0.70 ppm benzene, 6.6 ppm ethylbenzene, 14 ppm xylene); SW-41 (90 ppm TPH gasoline, 0.63 ppm benzene, 4 ppm ethylbenzene, 10 ppm xylene); SW-42 (70 ppm TPH gasoline, 0.08 ppm benzene, 2.4 ppm ethylbenzene, 13 ppm xylene). Three monitoring wells (W-1, W-2, and W-3) were installed by Aqua Resources Inc. (ARI) in November 1990 and subsequently destroyed during soil remediation activities. A groundwater investigation was conducted by Levine Fricke in May 1992 and seven monitoring wells (LF-16, LF-24, LF-25, LF-26, LF-27, LF-28 and LF-29) were installed at the site. Groundwater samples detected 0.4 ppb benzene, nd TPH gasoline, 0.4 ppb toluene, nd ethylbenzene, 2 ppb xylene, 980 ppb TPH diesel and 5600 ppb TOG.

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It appears that adequate source removal of contaminated soil related to the five former tanks has occurred at the site. However, the threat to human health and groundwater posed by the residual soil contamination left in place must be evaluated and addressed in the soil containment and management plan.

Additionally, the groundwater investigation related to the releases associated with the five underground storage tanks must be incorporated in the long term monitoring program.

AREA C:

Former Bashland Property

Three underground storage tanks (2 -12,000 gallon diesel tanks, 1 - 1200 gallon oil tank) were removed in April 1992. Total oil and grease as high as 1500 ppm was detected in the soil sample collected at 8 feet bgs following the removal of the former tanks. A groundwater sample from the excavation pit showed 1200 ppb TPH diesel, 22 ppb trichloroethene, and 8 ppb 1,2 dichloroethene. One monitoring well (LF-31) located downgradient of the former tanks was installed in February 1993. During the recent monitoring event (3/11/94), the groundwater sample from this well detected 110 ppb TPH diesel, 210 ppb TPH oil, 6 ppb TCE, 3.4 ppb 1,2-DCE.

Two hydraulic lifts, an oil/water separator, and a concrete inspection pit were removed from the site in February 1993. Soil samples (SW2-7 & WS-6) collected at 6 feet to 7 feet bgs showed 3600 ppm TPH diesel and 2600 ppm O&G. Overexcavation was conducted and final verification soil samples collected at 10.5 feet to 13 feet bgs from the former hydraulic lift area detected 1600 ppm O&G and 1500 ppm TRPH.

It appears that adequate source removal of contaminated soil related to the former three tanks and two hydraulic lifts had occurred at the site. However, the threat to human health and groundwater posed by the residual soil contamination left in place must be evaluated and addressed in the soil containment and management plan.

Additionally, the groundwater investigation related to the releases associated with the former tanks and hydraulic lifts must be incorporated in the long term monitoring program.

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following analytical results for petroleum hydrocarbons: 77 ppm oil and grease (O&G); non detect for TPH gasoline, TPH diesel, TPH motor oil, benzene, toluene, ethyl benzene, and xylene. VOC's were non detect with the exception of chloroform (0.0016 ppm) and methylene chloride (0.37 ppm). Overexcavation of soil suspected of containing petroleum hydrocarbons (based on PID readings and olfactory observation) was conducted and verification soil samples collected found 67 ppm O&G and non detect for TPH gasoline, TPH diesel, TPH motor oil and BTEX.

It appears that adequate source removal of contaminated soil related to the former tank has occurred at the site. Therefore, no further work will be required with regards to the former 350 gallon tank.

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Former Bay Area Warehouse (BAW)

On November 1991, a 2000 gallon gasoline tank was removed from the former BAW site. Soil samples collected following the removal of the tank showed 3ppm TPH gasoline and non detect for benzene. Lead was detected at 146 ppm. A groundwater collected from the excavation found 8800 ppb TPH gasoline, 240 ppb benzene, 360 ppb toluene, 170 ppm ethylbenzene, 750 ppb xylene and nd Pb. One monitoring well (LF-32) was installed in the downgradient location of the former tank. Initial groundwater sample collected on May, 1993 showed nondetectable concentration of TPH gasoline, BTEX and organic lead. However, TPH diesel was found at 440 ppb. The recent sampling event (March 1994) showed 110 ppb TPH gasoline, 890 ppb TPH diesel, 850 ppb TPH motor oil, 2.5 ppb TCE, 0.8 ppb 1,2-DCE and nd BTEX.

The groundwater monitoring related to the former gasoline tank must be continued and incorporated in the long term monitoring program.

Beach Street Area

Two 12,000 gallon underground storage tanks (uncovered during excavation of petroleum hydrocarbon contaminated soil) were removed in August 31, 1993. Soil samples collected beneath the tank excavation detected levels of petroleum hydrocarbon up to 200 ppm TPH diesel, 2200 ppm oil and grease, 540 ppm TPH motor oil and 31 ppm TPH gasoline. Overexcavation of contaminated soil was conducted in September, 1993 and final verification samples collected at 5 feet and 10 feet bgs showed 750 ppm TPH diesel, 4100 ppm oil and grease, 1400 ppm TPH motor oil, 100 ppm TPH gasoline, 0.14 ppm toluene, 1.7 ppm ethylbenzene, 5.6 ppm xylene.

A soil and groundwater investigation to determine the vertical and lateral extent of contamination resulting from the former leaking tanks was required by this agency. A work plan dated March 31, 1994 to install one monitoring well and two soil borings was prepared and submitted by Levine Fricke. The workplan is acceptable provided the following modifications are addressed:

- during borehole advancement, one of the soil samples to be collected must be from the soil/water interface and the sample must be analyzed by a state certified laboratory for VOC's and metals (Pb, Zn, Ni, Cr, Cd) in addition to TPH gasoline, TPH diesel, TPH motor oil and BTEX.
- initial groundwater samples must be analyzed for VOC's and metals (Pb, Zn, Ni, Cr, Cd) in addition to TPH gasoline, TPH

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diesel, TPH motor oil and BTEX. Quarterly groundwater samples should be analyzed for TPH diesel, TPH gasoline, TPH motor oil and BTEX.

The threat to human health and groundwater posed by the residual soil contamination left in place must be addressed in the soil containment and management plan.

In addition, the groundwater investigation related to the two former leaking tanks must be incorporated in the long term monitoring program.

BASELINE HEALTH RISK ASSESSMENT FOR AREA C

This office has reviewed the May 16, 1994 Baseline Health Risk Assessment for AREA C prepared and submitted on May 17, 1994 by SOMA Environmental Engineering, Inc. The HRA evaluated potential human health risks to construction workers and future retail workers associated with exposure to volatile organic compounds (VOC's) in subsurface soil and groundwater and priority pollutant metals found in Area C. The VOC contamination found in Area C appears to be originating from an off-site upgradient source located north of the referenced site.

We concur with the findings presented in the HRA that the proposed development of Area C as a retail shopping center under current site conditions will not pose a significant health risk to construction workers and future retail workers. The risk assessment was a very well prepared technical document which addressed all of the concerns of the County. Please be advised that a Site Health and Safety Plan should be prepared and submitted to this office prior to initiating construction in Area C. The Health and Safety Plan should address the following issues:

- potential hazards due to inhalation of VOCs from soil and groundwater
- potential hazards due to contact with contaminated soils
- mitigating measures to reduce worker exposure to chemicals of concern
- monitoring plan to measure worker exposure to pollutants

Peralta Street & San Pablo Avenue

One 1500 gallon heating fuel underground storage tank (located underneath the sidewalk near 3819 San Pablo Ave.) was removed in September 22, 1993 at the referenced area. Bottom soil samples collected at 10 feet bgs following removal of the tank found 120

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Former Bay Area Warehouse (BAW)

On November 1991, a 2000 gallon gasoline tank was removed from the former BAW site. Soil samples collected following the removal of the tank showed 3ppm TPH gasoline and non detect for benzene. Lead was detected at 146 ppm. A groundwater collected from the excavation found 8800 ppb TPH gasoline, 240 ppb benzene, 360 ppb toluene, 170 ppm ethylbenzene, 750 ppb xylene and nd Pb. One monitoring well (LF-32) was installed in the downgradient location of the former tank. Initial groundwater sample collected on May, 1993 showed nondetectable concentration of TPH gasoline, BTEX and organic lead. However, TPH diesel was found at 440 ppb. The recent sampling event (March 1994) showed 110 ppb TPH gasoline, 890 ppb TPH diesel, 850 ppb TPH motor oil, 2.5 ppb TCE, 0.8 ppb 1,2-DCE and nd BTEX.

The groundwater monitoring related to the former gasoline tank must be continued and incorporated in the long term monitoring program.

Beach Street Area

Two 12,000 gallon underground storage tanks (uncovered during excavation of petroleum hydrocarbon contaminated soil) were removed in August 31, 1993. Soil samples collected beneath the tank excavation detected levels of petroleum hydrocarbon up to 200 ppm TPH diesel, 2200 ppm oil and grease, 540 ppm TPH motor oil and 31 ppm TPH gasoline. Overexcavation of contaminated soil was conducted in September, 1993 and final verification samples collected at 5 feet and 10 feet bgs showed 750 ppm TPH diesel, 4100 ppm oil and grease, 1400 ppm TPH motor oil, 100 ppm TPH gasoline, 0.14 ppm toluene, 1.7 ppm ethylbenzene, 5.6 ppm xylene.

A soil and groundwater investigation to determine the vertical and lateral extent of contamination resulting from the former leaking tanks was required by this agency. A work plan dated March 31, 1994 to install one monitoring well and two soil borings was prepared and submitted by Levine Fricke. The workplan is acceptable provided the following modifications are addressed:

- during borehole advancement, one of the soil samples to be collected must be from the soil/water interface and the sample must be analyzed by a state certified laboratory for VOC's and metals (Pb, Zn, Ni, Cr, Cd) in addition to TPH gasoline, TPH diesel, TPH motor oil and BTEX.
- initial groundwater samples must be analyzed for VOC's and metals (Pb, Zn, Ni, Cr, Cd) in addition to TPH gasoline, TPH

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ppm oil & grease and non detect for TPH diesel, BTEX, TPH motor oil. Sidewall sample at 8 feet bgs showed 33 ppm oil & grease and non detect for TPH diesel, BTEX , TPH motor oil.

The residual soil contamination left in place are within the clean up goals for the site, however the impact to groundwater must be evaluated. The groundwater investigation related to the former heating fuel tank should be incorporated in the long term monitoring program.

Until clean up is complete, you will need to submit reports to this office **every three months** (or at a more frequent interval, if specified at any time by this office). In addition, the following items must be incorporated in your future reports or workplans :

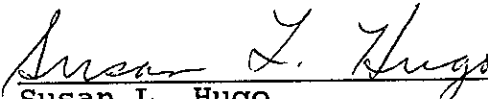
- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department of the responsible party or tank owner's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professional involved with the project.

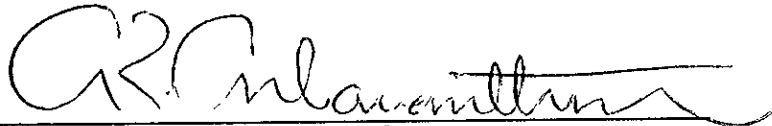
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If you have any questions concerning this letter, please contact
anyone of the undersigned at (510) 271-4530.

Sincerely,



Susan L. Hugo
Senior Hazardous Materials Specialist



Ravi Arulanantham, Ph.D.
Staff Toxicologist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health
Edgar B. Howell, Chief, Hazardous Materials Division / file
Steven I. Morse, Division Chief, RWQCB-II
Lester Feldman, RWQCB-II
Sumadhu Arigala, RWQCB-II
Jenifer Beatty / Ron Goloubow, Levine Fricke -
1900 Powell St., 12th Floor Emeryville, CA 94608

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The residual soil contamination left in place are within the clean up goals for the site, however the impact to groundwater must be evaluated. The groundwater investigation related to the former heating fuel tank should be incorporated in the long term monitoring program.

Until clean up is complete, you will need to submit reports to this office **every three months** (or at a more frequent interval, if specified at any time by this office). In addition, the following items must be incorporated in your future reports or workplans :

- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department of the responsible party or tank owner's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professional involved with the project.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

June 10, 1994
STID# 1667

Ms. Kimberly Brandt
Catellus Development Corp.
201 Mission Street, 30th Floor
San Francisco, California 94105

**RE: Investigation / Remediation at the
Yerba Buena Project Site, Emeryville, California 94608**

Dear Ms. Brandt:

The Alameda County, Department of Environmental Health, Hazardous Materials Division has completed review of the reports prepared and submitted to date by Levine Fricke for the referenced site. In addition, our staff toxicologist, Dr. Ravi Arulanantham, has reviewed the Baseline Health Risk Assessment for Area C prepared and submitted by Soma Environmental Engineering, Inc.

As you are aware, the Yerba Buena Project Site is divided into four designated areas; Area A, Area B, Area C and Area D. The cleanup goals proposed by Catellus for the site were as follows: 10 ppm TPH gasoline, 100 ppm TPH diesel, 1000 ppm oil and grease, and 1 ppm combined concentration of benzene, toluene, ethylbenzene, and xylene. In 1991, the Regional Water Quality Control Board and this agency concurred with the above mentioned site cleanup goals with the following conditions;

- 1) implementation of an acceptable containment plan for petroleum hydrocarbon affected soils which should include specific guidance language providing for the maintenance of the proposed encapsulations to protect water quality
- 2) implementation of an acceptable soil management plan such that any future activity at site which requires excavation of contaminated soil will be managed to mitigate any water quality problems which could arise
- 3) a notice to be placed on the recorded deed(s) whenever soils containing elevated levels of pollutants are contained on any affected parcel
- 4) a long term monitoring program to evaluate the remaining risks posed by the residual soil and groundwater contamination left in place

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This office has the following comments concerning the status of the investigation / remediation for the different subject areas:

AREA A:

Two underground storage tanks (1500 gallon and 2000 gallon containing heating fuel oil) were removed in October 1, 1993. The former tanks (located southeast of the intersection of Yerba Buena Avenue and Hollis Street) were uncovered during grading work at the site. Soil samples collected following the removal of the tanks showed 470 ppm TPH diesel, 3800 ppm TOG, 960 ppm TPH motor oil, 0.013 ppm benzene, 0.013 ppm ethyl benzene, 0.055 ppm xylene and non detect (nd) for toluene. Overexcavation of contaminated soil (approx. 2500 cubic yards) was conducted and verification soil samples collected found 110 ppm TPH diesel, 430 ppm TOG, 170 ppm TPH motor oil, 0.007 ppm xylene, nd benzene, nd ethyl benzene, and nd toluene. The residual soil contamination left in place is within the clean up goals developed for the site with the exception of soil sample BS-14, collected at 14 feet bgs showing TPH diesel 10 ppm over the clean up goal).

It appears that adequate source removal of contaminated soil related to the two former tanks has occurred at the site. However, the threat to human health and groundwater posed by the residual soil contamination left in place must be evaluated. This issue should be addressed in the soil containment and management plan. Groundwater investigation related to the release associated with the two former tanks must be incorporated in the long term monitoring program.

In addition, volatile organic compounds had been detected in this area. A workplan for the installation of a groundwater extraction and treatment system had been approved by this office to hydraulically contain and extract shallow groundwater affected by the volatile organic compounds. To prepare the site for development, monitoring wells were abandoned and replacement wells will be installed following completion of site development.

AREA B:

One underground storage tank (approximately 350 gallon capacity) was removed in October 27, 1993. The former tank (located southeast of 40th and Hollis streets centerline) was uncovered during installation of underground utilities at the site. Soil sample collected following the removal of the tanks showed the

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following analytical results for petroleum hydrocarbons: 77 ppm oil and grease (O&G); non detect for TPH gasoline, TPH diesel, TPH motor oil, benzene, toluene, ethyl benzene, and xylene. VOC's were non detect with the exception of chloroform (0.0016 ppm) and methylene chloride (0.37 ppm). Overexcavation of soil suspected of containing petroleum hydrocarbons (based on PID readings and olfactory observation) was conducted and verification soil samples collected found 67 ppm O&G and non detect for TPH gasoline, TPH diesel, TPH motor oil and BTEX.

It appears that adequate source removal of contaminated soil related to the former tank has occurred at the site. Therefore, no further work will be required with regards to the former 350 gallon tank.

Former Ransome Company

On January 1990, five underground storage tanks were removed at the former Ransome Company site (2 - 4000 gallon diesel, 1 - 250 gallon waste oil, 1 - 1000 gallon gasoline, 1 - 10,000 gallon gasoline). Soil samples collected following the removal of the tanks showed the following petroleum hydrocarbon results: 740 ppm TPH gasoline, 7500 ppm TPH diesel, 1100 ppm TOG, 1.3 ppm benzene, 0.25 ppm toluene, 11.4 ppm xylene and 4.7 ppm ethyl benzene. Pipeline soil samples were collected and found the following petroleum hydrocarbon concentrations: 7400 ppm TPH gasoline, 4900 ppm TPH diesel, 32 ppm benzene, 150 ppm toluene, 371 ppm of xylene, 92ppm ethyl benzene. Approximately 25,000 cubic yards of contaminated soils were excavated and will be contained on site in accordance to the Containment Plan prepared by Levine Fricke dated March 10, 1992. Final verification samples showed that the residual soil contamination left in placed is within the clean up goals developed for the site with the exception of three samples collected at ten feet depth : SW-38 (45 ppm TPH gasoline, 0.70 ppm benzene, 6.6 ppm ethylbenzene, 14 ppm xylene); SW-41 (90 ppm TPH gasoline, 0.63 ppm benzene, 4 ppm ethylbenzene, 10 ppm xylene); SW-42 (70 ppm TPH gasoline, 0.08 ppm benzene, 2.4 ppm ethylbenzene, 13 ppm xylene). Three monitoring wells (W-1, W-2, and W-3) were installed by Aqua Resources Inc. (ARI) in November 1990 and subsequently destroyed during soil remediation activities. A groundwater investigation was conducted by Levine Fricke in May 1992 and seven monitoring wells (LF-16, LF-24, LF-25, LF-26, LF-27, LF-28 and LF-29) were installed at the site. Groundwater samples detected 0.4 ppb benzene, nd TPH gasoline, 0.4 ppb toluene, nd ethylbenzene, 2 ppb xylene, 980 ppb TPH diesel and 5600 ppb TOG.

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Additionally, the groundwater investigation related to the releases associated with the five underground storage tanks must be incorporated in the long term monitoring program.

AREA C:

Former Bashland Property

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Two hydraulic lifts, an oil/water separator, and a concrete inspection pit were removed from the site in February 1993. Soil samples (SW2-7 & WS-6) collected at 6 feet to 7 feet bgs showed 3600 ppm TPH diesel and 2600 ppm O&G. Overexcavation was conducted and final verification soil samples collected at 10.5 feet to 13 feet bgs from the former hydraulic lift area detected 1600 ppm O&G and 1500 ppm TRPH.

It appears that adequate source removal of contaminated soil related to the former three tanks and two hydraulic lifts had occurred at the site. However, the threat to human health and groundwater posed by the residual soil contamination left in place must be evaluated and addressed in the soil containment and management plan.

Additionally, the groundwater investigation related to the releases associated with the former tanks and hydraulic lifts must be incorporated in the long term monitoring program.

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The groundwater monitoring related to the former gasoline tank must be continued and incorporated in the long term monitoring program.

Beach Street Area

Two 12,000 gallon underground storage tanks (uncovered during excavation of petroleum hydrocarbon contaminated soil) were removed in August 31, 1993. Soil samples collected beneath the tank excavation detected levels of petroleum hydrocarbon up to 200 ppm TPH diesel, 2200 ppm oil and grease, 540 ppm TPH motor oil and 31 ppm TPH gasoline. Overexcavation of contaminated soil was conducted in September, 1993 and final verification samples collected at 5 feet and 10 feet bgs showed 750 ppm TPH diesel, 4100 ppm oil and grease, 1400 ppm TPH motor oil, 100 ppm TPH gasoline, 0.14 ppm toluene, 1.7 ppm ethylbenzene, 5.6 ppm xylene.

A soil and groundwater investigation to determine the vertical and lateral extent of contamination resulting from the former leaking tanks was required by this agency. A work plan dated March 31, 1994 to install one monitoring well and two soil borings was prepared and submitted by Levine Fricke. The workplan is acceptable provided the following modifications are addressed:

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diesel, TPH motor oil and BTEX. Quarterly groundwater samples should be analyzed for TPH diesel, TPH gasoline, TPH motor oil and BTEX.

The threat to human health and groundwater posed by the residual soil contamination left in place must be addressed in the soil containment and management plan.

In addition, the groundwater investigation related to the two former leaking tanks must be incorporated in the long term monitoring program.

BASELINE HEALTH RISK ASSESSMENT FOR AREA C

This office has reviewed the May 16, 1994 Baseline Health Risk Assessment for AREA C prepared and submitted on May 17, 1994 by SOMA Environmental Engineering, Inc. The HRA evaluated potential human health risks to construction workers and future retail workers associated with exposure to volatile organic compounds (VOC's) in subsurface soil and groundwater and priority pollutant metals found in Area C. The VOC contamination found in Area C appears to be originating from an off-site upgradient source located north of the referenced site.

We concur with the findings presented in the HRA that the proposed development of Area C as a retail shopping center under current site conditions will not pose a significant health risk to construction workers and future retail workers. The risk assessment was a very well prepared technical document which addressed all of the concerns of the County. Please be advised that a Site Health and Safety Plan should be prepared and submitted to this office prior to initiating construction in Area C. The Health and Safety Plan should address the following issues:

- potential hazards due to inhalation of VOCs from soil and groundwater
- potential hazards due to contact with contaminated soils
- mitigating measures to reduce worker exposure to chemicals of concern
- monitoring plan to measure worker exposure to pollutants

Peralta Street & San Pablo Avenue

One 1500 gallon heating fuel underground storage tank (located underneath the sidewalk near 3819 San Pablo Ave.) was removed in September 22, 1993 at the referenced area. Bottom soil samples collected at 10 feet bgs following removal of the tank found 120

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 7 of 8

ppm oil & grease and non detect for TPH diesel, BTEX, TPH motor oil. Sidewall sample at 8 feet bgs showed 33 ppm oil & grease and non detect for TPH diesel, BTEX , TPH motor oil.

The residual soil contamination left in place are within the clean up goals for the site, however the impact to groundwater must be evaluated. The groundwater investigation related to the former heating fuel tank should be incorporated in the long term monitoring program.

Until clean up is complete, you will need to submit reports to this office **every three months** (or at a more frequent interval, if specified at any time by this office). In addition, the following items must be incorporated in your future reports or workplans :


- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department of the responsible party or tank owner's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professional involved with the project.

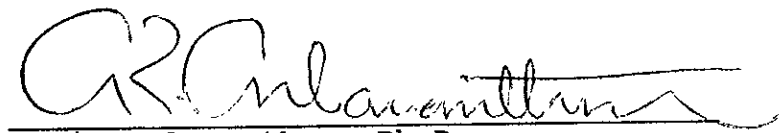
Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 8 of 8

If you have any questions concerning this letter, please contact anyone of the undersigned at (510) 271-4530.

Sincerely,



Susan L. Hugo
Senior Hazardous Materials Specialist



Ravi Arulanantham, Ph.D.
Staff Toxicologist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health
Edgar B. Howell, Chief, Hazardous Materials Division / file
Steven I. Morse, Division Chief, RWQCB-II
Lester Feldman, RWQCB-II
Sumadhu Arigala, RWQCB-II
Jenifer Beatty / Ron Goloubow, Levine Fricke -
1900 Powell St., 12th Floor Emeryville, CA 94608

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

June 10, 1994
STID# 1667

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

Ms. Kimberly Brandt
Catellus Development Corp.
201 Mission Street, 30th Floor
San Francisco, California 94105

RE: Investigation / Remediation at the
Yerba Buena Project Site, Emeryville, California 94608

Dear Ms. Brandt:

The Alameda County, Department of Environmental Health, Hazardous Materials Division has completed review of the reports prepared and submitted to date by Levine Fricke for the referenced site. In addition, our staff toxicologist, Dr. Ravi Arulanantham, has reviewed the Baseline Health Risk Assessment for Area C prepared and submitted by Soma Environmental Engineering, Inc.

As you are aware, the Yerba Buena Project Site is divided into four designated areas; Area A, Area B, Area C and Area D. The cleanup goals proposed by Catellus for the site were as follows: 10 ppm TPH gasoline, 100 ppm TPH diesel, 1000 ppm oil and grease, and 1 ppm combined concentration of benzene, toluene, ethylbenzene, and xylene. In 1991, the Regional Water Quality Control Board and this agency concurred with the above mentioned site cleanup goals with the following conditions;

- 1) implementation of an acceptable containment plan for petroleum hydrocarbon affected soils which should include specific guidance language providing for the maintenance of the proposed encapsulations to protect water quality
- 2) implementation of an acceptable soil management plan such that any future activity at site which requires excavation of contaminated soil will be managed to mitigate any water quality problems which could arise
- 3) a notice to be placed on the recorded deed(s) whenever soils containing elevated levels of pollutants are contained on any affected parcel
- 4) a long term monitoring program to evaluate the remaining risks posed by the residual soil and groundwater contamination left in place

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 2 of 8

This office has the following comments concerning the status of the investigation / remediation for the different subject areas:

AREA A:

Two underground storage tanks (1500 gallon and 2000 gallon containing heating fuel oil) were removed in October 1, 1993. The former tanks (located southeast of the intersection of Yerba Buena Avenue and Hollis Street) were uncovered during grading work at the site. Soil samples collected following the removal of the tanks showed 470 ppm TPH diesel, 3800 ppm TOG, 960 ppm TPH motor oil, 0.013 ppm benzene, 0.013 ppm ethyl benzene, 0.055 ppm xylene and non detect (nd) for toluene. Overexcavation of contaminated soil (approx. 2500 cubic yards) was conducted and verification soil samples collected found 110 ppm TPH diesel, 430 ppm TOG, 170 ppm TPH motor oil, 0.007 ppm xylene, nd benzene, nd ethyl benzene, and nd toluene. The residual soil contamination left in place is within the clean up goals developed for the site with the exception of soil sample BS-14, collected at 14 feet bgs showing TPH diesel 10 ppm over the clean up goal).

It appears that adequate source removal of contaminated soil related to the two former tanks has occurred at the site. However, the threat to human health and groundwater posed by the residual soil contamination left in place must be evaluated. This issue should be addressed in the soil containment and management plan. Groundwater investigation related to the release associated with the two former tanks must be incorporated in the long term monitoring program.

In addition, volatile organic compounds had been detected in this area. A workplan for the installation of a groundwater extraction and treatment system had been approved by this office to hydraulically contain and extract shallow groundwater affected by the volatile organic compounds. To prepare the site for development, monitoring wells were abandoned and replacement wells will be installed following completion of site development.

AREA B:

One underground storage tank (approximately 350 gallon capacity) was removed in October 27, 1993. The former tank (located southeast of 40th and Hollis streets centerline) was uncovered during installation of underground utilities at the site. Soil sample collected following the removal of the tanks showed the

Ms. Kimberly Brandt

RE: Yerba Buena Project Site, Emeryville, California 94608

June 10, 1994

Page 3 of 8

following analytical results for petroleum hydrocarbons: 77 ppm oil and grease (O&G); non detect for TPH gasoline, TPH diesel, TPH motor oil, benzene, toluene, ethyl benzene, and xylene. VOC's were non detect with the exception of chloroform (0.0016 ppm) and methylene chloride (0.37 ppm). Overexcavation of soil suspected of containing petroleum hydrocarbons (based on PID readings and olfactory observation) was conducted and verification soil samples collected found 67 ppm O&G and non detect for TPH gasoline, TPH diesel, TPH motor oil and BTEX.

It appears that adequate source removal of contaminated soil related to the former tank has occurred at the site. Therefore, no further work will be required with regards to the former 350 gallon tank.

Former Ransome Company

On January 1990, five underground storage tanks were removed at the former Ransome Company site (2 - 4000 gallon diesel, 1 - 250 gallon waste oil, 1 - 1000 gallon gasoline, 1 - 10,000 gallon gasoline). Soil samples collected following the removal of the tanks showed the following petroleum hydrocarbon results: 740 ppm TPH gasoline, 7500 ppm TPH diesel, 1100 ppm TOG, 1.3 ppm benzene, 0.25 ppm toluene, 11.4 ppm xylene and 4.7 ppm ethyl benzene. Pipeline soil samples were collected and found the following petroleum hydrocarbon concentrations: 7400 ppm TPH gasoline, 4900 ppm TPH diesel, 32 ppm benzene, 150 ppm toluene, 371 ppm of xylene, 92ppm ethyl benzene. Approximately 25,000 cubic yards of contaminated soils were excavated and will be contained on site in accordance to the Containment Plan prepared by Levine Fricke dated March 10, 1992. Final verification samples showed that the residual soil contamination left in placed is within the clean up goals developed for the site with the exception of three samples collected at ten feet depth : SW-38 (45 ppm TPH gasoline, 0.70 ppm benzene, 6.6 ppm ethylbenzene, 14 ppm xylene); SW-41 (90 ppm TPH gasoline, 0.63 ppm benzene, 4 ppm ethylbenzene, 10 ppm xylene); SW-42 (70 ppm TPH gasoline, 0.08 ppm benzene, 2.4 ppm ethylbenzene, 13 ppm xylene). Three monitoring wells (W-1, W-2, and W-3) were installed by Aqua Resources Inc. (ARI) in November 1990 and subsequently destroyed during soil remediation activities. A groundwater investigation was conducted by Levine Fricke in May 1992 and seven monitoring wells (LF-16, LF-24, LF-25, LF-26, LF-27, LF-28 and LF-29) were installed at the site. Groundwater samples detected 0.4 ppb benzene, nd TPH gasoline, 0.4 ppb toluene, nd ethylbenzene, 2 ppb xylene, 980 ppb TPH diesel and 5600 ppb TOG.

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 4 of 8

It appears that adequate source removal of contaminated soil related to the five former tanks has occurred at the site. However, the threat to human health and groundwater posed by the residual soil contamination left in place must be evaluated and addressed in the soil containment and management plan.

Additionally, the groundwater investigation related to the releases associated with the five underground storage tanks must be incorporated in the long term monitoring program.

AREA C:

Former Bashland Property

Three underground storage tanks (2 -12,000 gallon diesel tanks, 1 - 1200 gallon oil tank) were removed in April 1992. Total oil and grease as high as 1500 ppm was detected in the soil sample collected at 8 feet bgs following the removal of the former tanks. A groundwater sample from the excavation pit showed 1200 ppb TPH diesel, 22 ppb trichloroethene, and 8 ppb 1,2 dichloroethene. One monitoring well (LF-31) located downgradient of the former tanks was installed in February 1993. During the recent monitoring event (3/11/94), the groundwater sample from this well detected 110 ppb TPH diesel, 210 ppb TPH oil, 6 ppb TCE, 3.4 ppb 1,2-DCE.

Two hydraulic lifts, an oil/water separator, and a concrete inspection pit were removed from the site in February 1993. Soil samples (SW2-7 & WS-6) collected at 6 feet to 7 feet bgs showed 3600 ppm TPH diesel and 2600 ppm O&G. Overexcavation was conducted and final verification soil samples collected at 10.5 feet to 13 feet bgs from the former hydraulic lift area detected 1600 ppm O&G and 1500 ppm TRPH.

It appears that adequate source removal of contaminated soil related to the former three tanks and two hydraulic lifts had occurred at the site. However, the threat to human health and groundwater posed by the residual soil contamination left in place must be evaluated and addressed in the soil containment and management plan.

Additionally, the groundwater investigation related to the releases associated with the former tanks and hydraulic lifts must be incorporated in the long term monitoring program.

Ms. Kimberly Brandt

RE: Yerba Buena Project Site, Emeryville, California

June 10, 1994

Page 5 of 8

Former Bay Area Warehouse (BAW)

On November 1991, a 2000 gallon gasoline tank was removed from the former BAW site. Soil samples collected following the removal of the tank showed 3ppm TPH gasoline and non detect for benzene. Lead was detected at 146 ppm. A groundwater collected from the excavation found 8800 ppb TPH gasoline, 240 ppb benzene, 360 ppb toluene, 170 ppm ethylbenzene, 750 ppb xylene and nd Pb. One monitoring well (LF-32) was installed in the downgradient location of the former tank. Initial groundwater sample collected on May, 1993 showed nondetectable concentration of TPH gasoline, BTEX and organic lead. However, TPH diesel was found at 440 ppb. The recent sampling event (March 1994) showed 110 ppb TPH gasoline, 890 ppb TPH diesel, 850 ppb TPH motor oil, 2.5 ppb TCE, 0.8 ppb 1,2-DCE and nd BTEX.

The groundwater monitoring related to the former gasoline tank must be continued and incorporated in the long term monitoring program.

Beach Street Area

Two 12,000 gallon underground storage tanks (uncovered during excavation of petroleum hydrocarbon contaminated soil) were removed in August 31, 1993. Soil samples collected beneath the tank excavation detected levels of petroleum hydrocarbon up to 200 ppm TPH diesel, 2200 ppm oil and grease, 540 ppm TPH motor oil and 31 ppm TPH gasoline. Overexcavation of contaminated soil was conducted in September, 1993 and final verification samples collected at 5 feet and 10 feet bgs showed 750 ppm TPH diesel, 4100 ppm oil and grease, 1400 ppm TPH motor oil, 100 ppm TPH gasoline, 0.14 ppm toluene, 1.7 ppm ethylbenzene, 5.6 ppm xylene.

A soil and groundwater investigation to determine the vertical and lateral extent of contamination resulting from the former leaking tanks was required by this agency. A work plan dated March 31, 1994 to install one monitoring well and two soil borings was prepared and submitted by Levine Fricke. The workplan is acceptable provided the following modifications are addressed:

- during borehole advancement, one of the soil samples to be collected must be from the soil/water interface and the sample must be analyzed by a state certified laboratory for VOC's and metals (Pb, Zn, Ni, Cr, Cd) in addition to TPH gasoline, TPH diesel, TPH motor oil and BTEX.
- initial groundwater samples must be analyzed for VOC's and metals (Pb, Zn, Ni, Cr, Cd) in addition to TPH gasoline, TPH

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 6 of 8

diesel, TPH motor oil and BTEX. Quarterly groundwater samples should be analyzed for TPH diesel, TPH gasoline, TPH motor oil and BTEX.

The threat to human health and groundwater posed by the residual soil contamination left in place must be addressed in the soil containment and management plan.

In addition, the groundwater investigation related to the two former leaking tanks must be incorporated in the long term monitoring program.

BASELINE HEALTH RISK ASSESSMENT FOR AREA C

This office has reviewed the May 16, 1994 Baseline Health Risk Assessment for AREA C prepared and submitted on May 17, 1994 by SOMA Environmental Engineering, Inc. The HRA evaluated potential human health risks to construction workers and future retail workers associated with exposure to volatile organic compounds (VOC's) in subsurface soil and groundwater and priority pollutant metals found in Area C. The VOC contamination found in Area C appears to be originating from an off-site upgradient source located north of the referenced site.

We concur with the findings presented in the HRA that the proposed development of Area C as a retail shopping center under current site conditions will not pose a significant health risk to construction workers and future retail workers. The risk assessment was a very well prepared technical document which addressed all of the concerns of the County. Please be advised that a Site Health and Safety Plan should be prepared and submitted to this office prior to initiating construction in Area C. The Health and Safety Plan should address the following issues:

- potential hazards due to inhalation of VOCs from soil and groundwater
- potential hazards due to contact with contaminated soils
- mitigating measures to reduce worker exposure to chemicals of concern
- monitoring plan to measure worker exposure to pollutants

Peralta Street & San Pablo Avenue

One 1500 gallon heating fuel underground storage tank (located underneath the sidewalk near 3819 San Pablo Ave.) was removed in September 22, 1993 at the referenced area. Bottom soil samples collected at 10 feet bgs following removal of the tank found 120

Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 7 of 8

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The residual soil contamination left in place are within the clean up goals for the site, however the impact to groundwater must be evaluated. The groundwater investigation related to the former heating fuel tank should be incorporated in the long term monitoring program.

Until clean up is complete, you will need to submit reports to this office **every three months** (or at a more frequent interval, if specified at any time by this office). In addition, the following items must be incorporated in your future reports or workplans :


- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
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All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professional involved with the project.

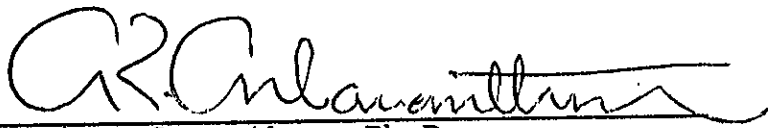
Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 8 of 8

If you have any questions concerning this letter, please contact anyone of the undersigned at (510) 271-4530.

Sincerely,



Susan L. Hugo
Senior Hazardous Materials Specialist




Ravi Arulanantham, Ph.D.
Staff Toxicologist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health
Edgar B. Howell, Chief, Hazardous Materials Division / file
Steven I. Morse, Division Chief, RWQCB-II
Lester Feldman, RWQCB-II
Sumadhu Arigala, RWQCB-II
Jenifer Beatty / Ron Goloubow, Levine Fricke -
1900 Powell St., 12th Floor Emeryville, CA 94608


Ms. Kimberly Brandt
RE: Yerba Buena Project Site, Emeryville, California
June 10, 1994
Page 8 of 8

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Susan L. Hugo
Senior Hazardous Materials Specialist



Ravi Arulanantham, Ph.D.
Staff Toxicologist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health
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Lester Feldman, RWQCB-II
Sumadhu Arigala, RWQCB-II
Jenifer Beatty / Ron Goloubow, Levine Fricke -
1900 Powell St., 12th Floor Emeryville, CA 94608

C A T E L L U S



5/20/94

Shoan,

Here's the brochure on
East Baytoridge Center
you asked for.

Enjoyed talking with
you.

Dennis Wong

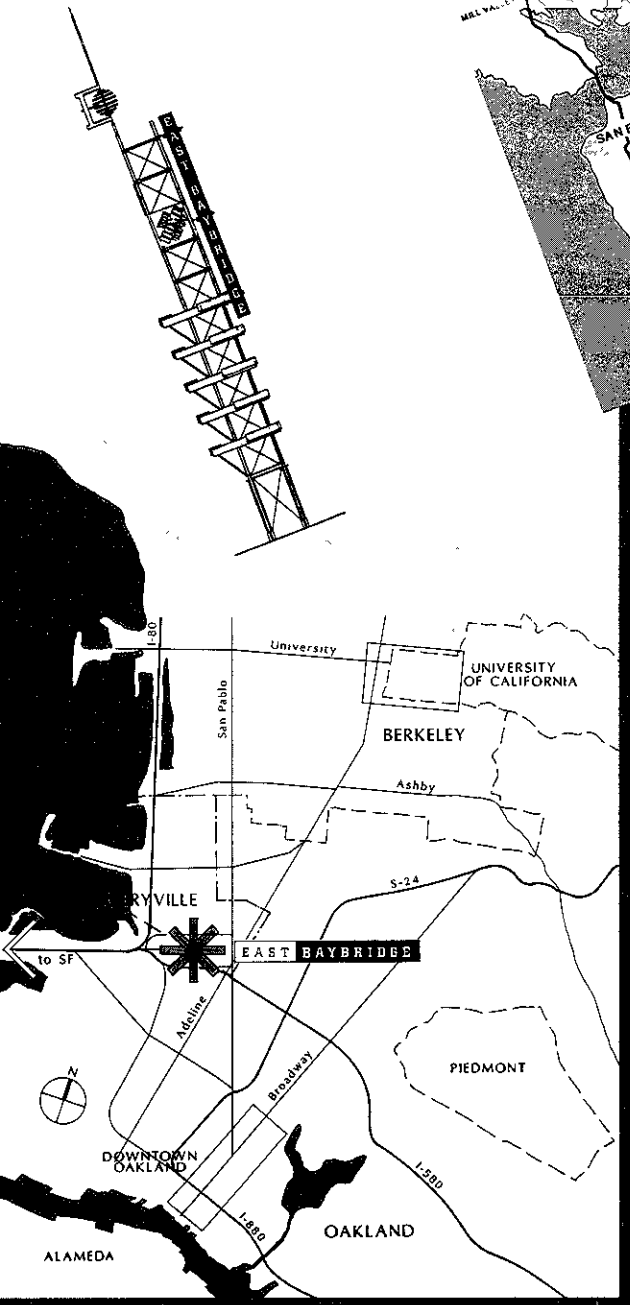
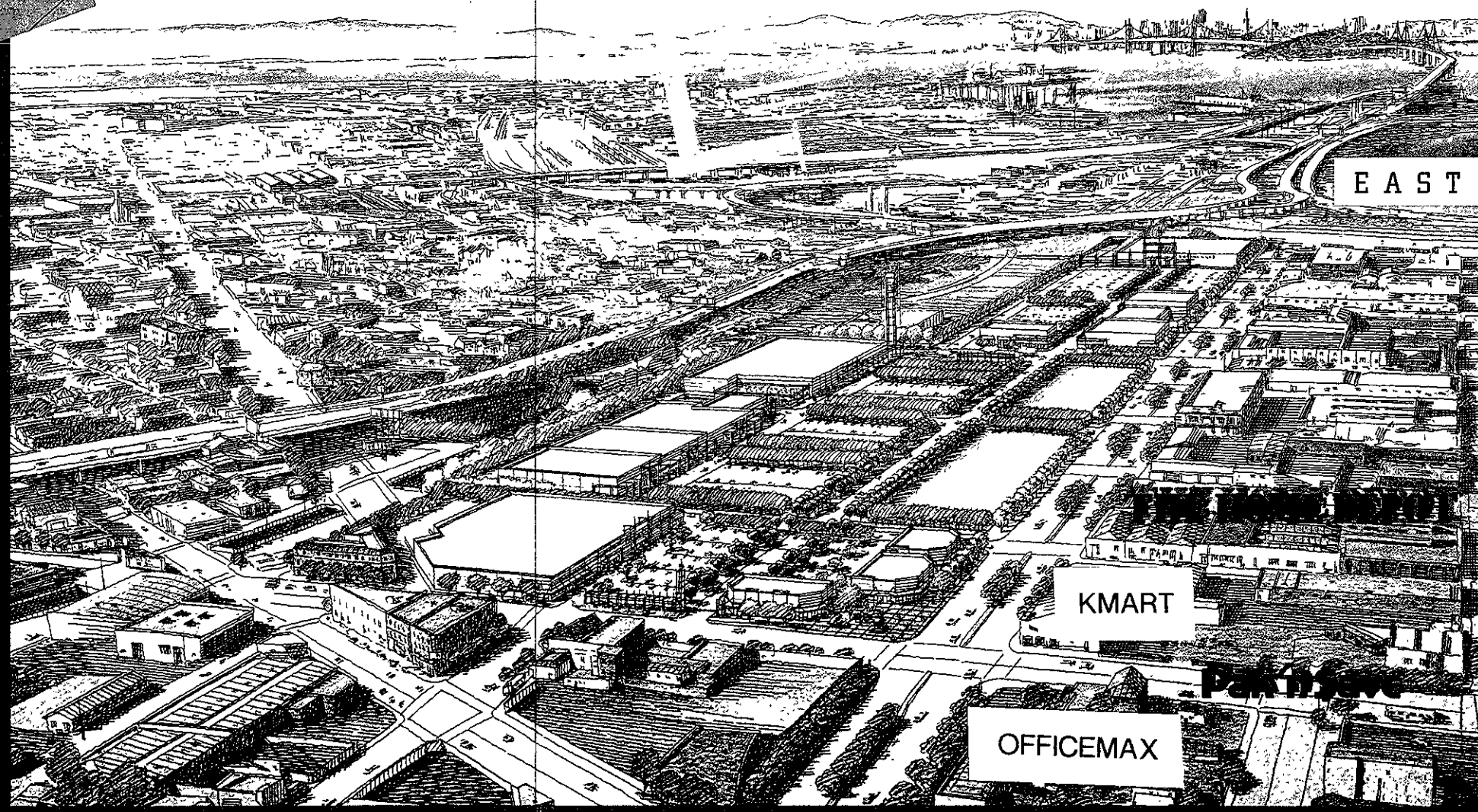
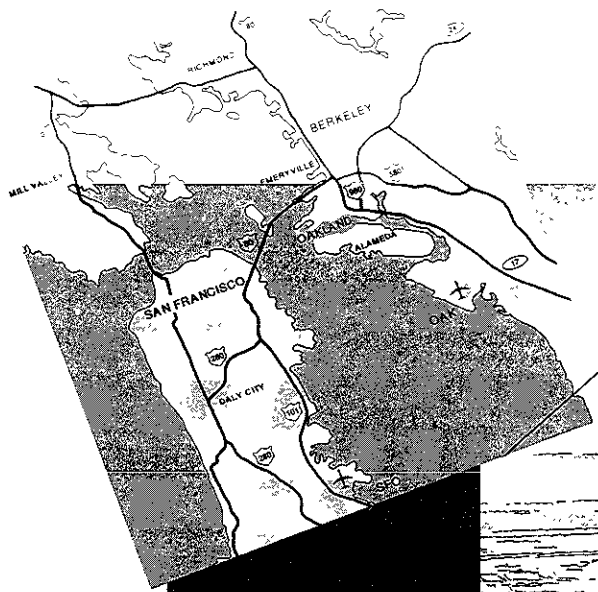
DENNIS Y. WONG
Manager, Construction Services

CATELLUS DEVELOPMENT CORPORATION
201 MISSION STREET, 28TH FLOOR
SAN FRANCISCO, CALIFORNIA 94105
TEL 415 974-4568 FAX 415 974-4651



ALCO
HAZMAT

94 MAY 27 PM 2: 18



EAST BAY BRIDGE

Kmart

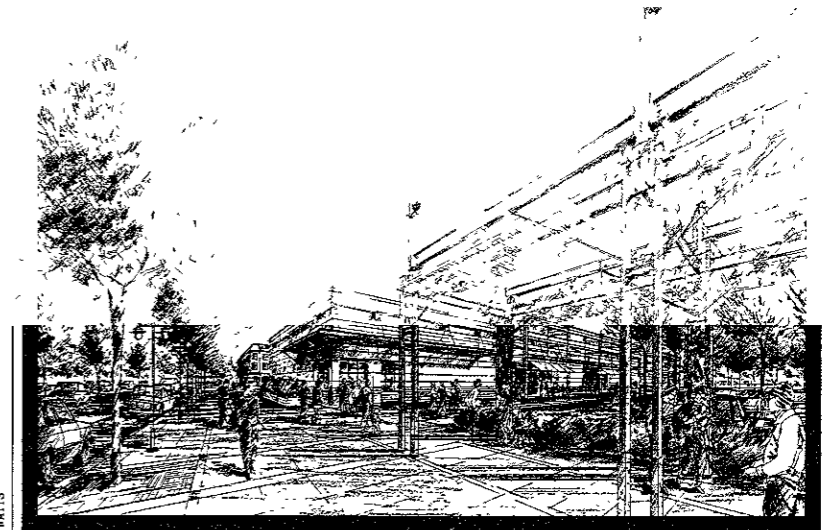
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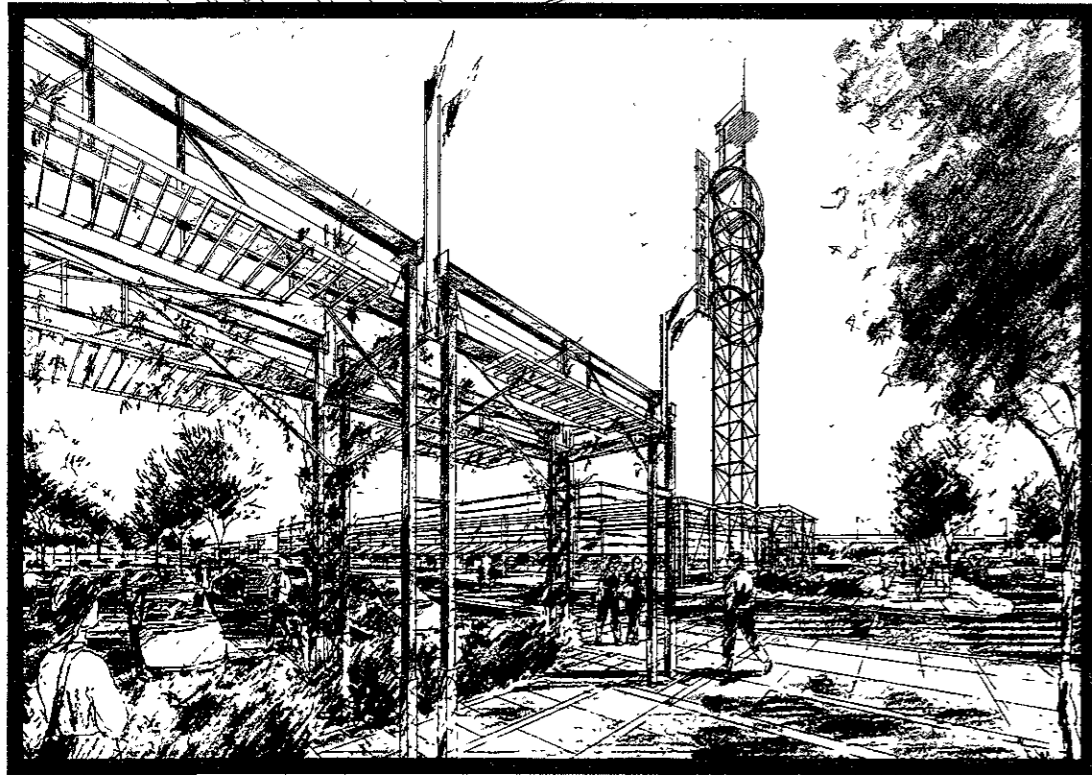
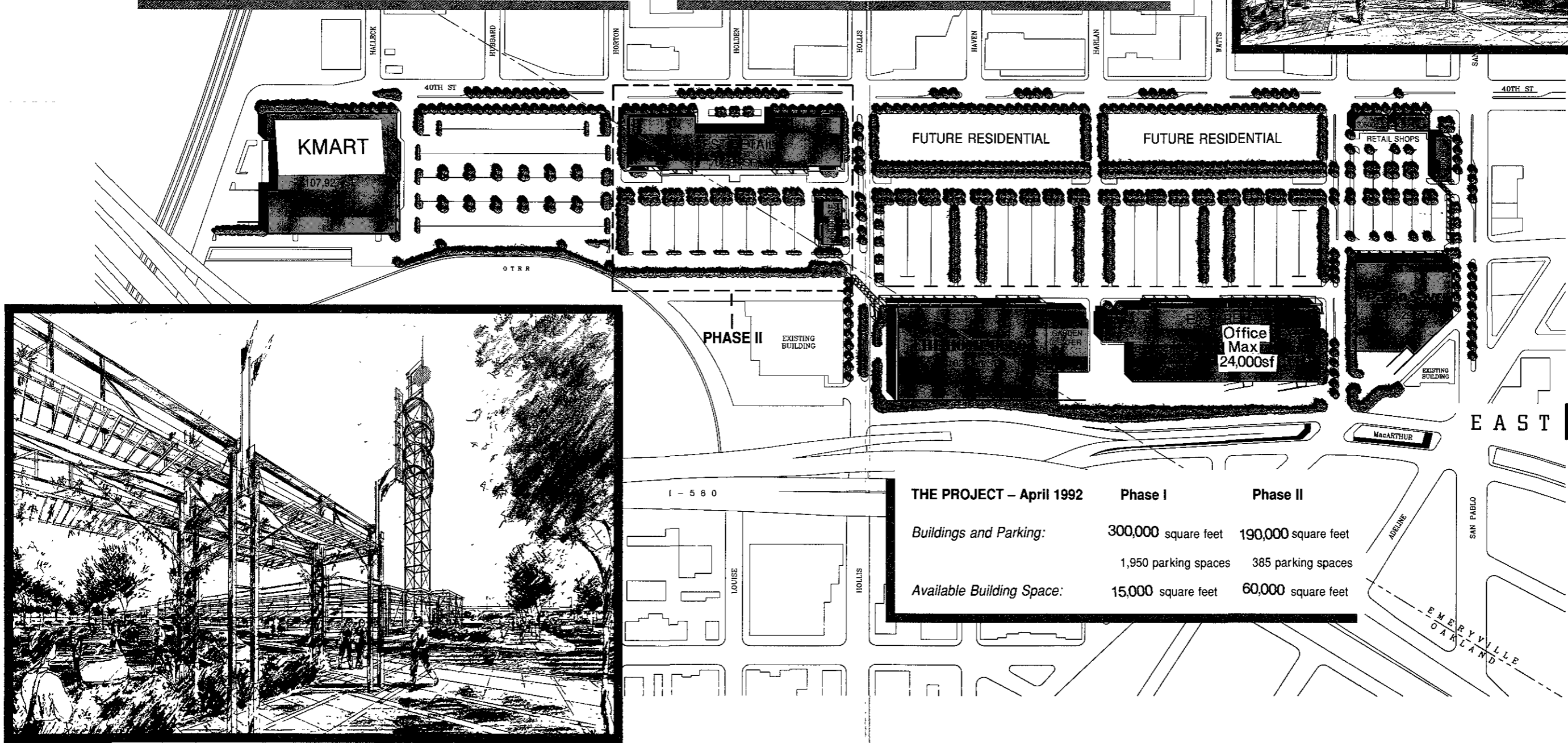
Parkway

TRAFFIC. This project is located at the merger of highways 580, 80, and 24, one of the country's five busiest intersections. More than 300,000 cars per day pass this site along Interstate 580. San Pablo Avenue, a state highway adjacent to the project, has a traffic count of nearly 50,000 cars per day.

TIMING. Catellus plans to begin construction of Phase I of East Baybridge Center during the Summer 1993, so that Phase I store openings can occur in the Summer 1994. The construction of Phase II is planned to start shortly after the completion of Phase I.



View of Pak 'n Save from San Pablo Avenue



View of Home Depot from Hollis Street

THE PROJECT - April 1992	Phase I	Phase II
Buildings and Parking:	300,000 square feet 1,950 parking spaces	190,000 square feet 385 parking spaces
Available Building Space:	15,000 square feet	60,000 square feet

EAST BAYBRIDGE

For leasing information please contact:
 Catellus Development
 Kathy Claussen
 Director of Leasing
 415/974-4629

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD **ALCO
HAZMAT**
 SAN FRANCISCO BAY REGION
 2101 WEBSTER STREET, SUITE 500
 OAKLAND, CA 94612
 (510) 286-1255



94 MAY 13 PM 2:35
 May 11, 1994
 File No. 2223.09(LF)

Alan Freeman
 Staff Attorney
 Toys "R" Us
 461 From Road
 Paramus, N.J. 07666

Martin Saalberg
 K-Mart Corporation
 West-Central Regional Office
 Real Estate Department
 700 South Orange
 West Covina, CA 91790-2651

Kimberly Brandt
 Environmental Specialist
 Catellus
 201 Mission Street, 30th Floor
 San Francisco, CA 94105

Subject: Yerba Buena Project, Area C, Alameda County

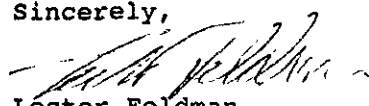
Dear Messrs. Freeman and Saalberg, and Ms. Brandt:

As you are aware, staff of this Regional Board and staff of Alameda County Department of Environmental Health have reviewed a report entitled "Summary of Environmental Investigation Results for Area C of the Yerba Buena Project Site", dated March 9, 1994, and other previous reports prepared for this Site. Based upon these reviews, no known source of volatile organic chemicals (VOCs) has been identified in Area C of the Site. It appears that the VOC contamination found in Area C of the Site appears to be originating from an off-site upgradient source, believed to be located north of the Site.

Please note that it has not been a practice of this Regional Board nor staff to hold affected parties financially liable for cleanup of pollution originating from adjacent (upgradient) properties. However, the affected party's cooperation in providing reasonable access to their property for investigation and possible cleanup purposes is expected.

Please contact Sumadhu Arigala at (510) 286-0434 or the undersigned at (510) 286-1332 if there are any questions.

Sincerely,


 Lester Feldman,
 Section Leader, Toxics

cc: Susan Hugo, Alameda County DEH

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION
2101 WEBSTER STREET, SUITE 500
OAKLAND, CA 94612
(510) 286-1255



94 MAY -2 PM 3:04

ALCO
HAZMAT

April 28, 1994
File No.: 2223.09

Ms. Kimberly Brandt
Environmental Specialist
Catellus
201 Mission Street, 30 th Floor
San Francisco, CA 94105

Subject: Yerba Buena Project Site, Emeryville and Oakland, Alameda, California.

Dear Ms. Brandt:

Regional Board Staff reviewed a report titled 'Summary of Environmental Investigation Results for Area C of the Yerba Buena Project Site', dated March 9, 1994. Based on the soil and groundwater information presented in the report, the VOC contamination in area C of the project site appears to be originating from an off-site upgradient source, located north of the subject site. Please note that it has not been a practice of this Regional Board Staff to hold affected parties financially liable for cleanup of pollution originating from adjacent properties. However, the affected party's cooperation in providing access to their property for investigation and cleanup purposes is expected.

Please contact Sumadhu Arigala at (510) -286-0434 or the undersigned at (510) -286- 1332, if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lester Feldman", is written over a horizontal line.

Lester Feldman,
Section Leader,
Toxics Cleanup Division.

CC: Susan Hugo, ACDEH
Jenifer Beatty & Ron Goloubow , Levine Fricke.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

February 22, 1994
STID# 1667

Ms. Kimberly Brandt
Catellus Development Corp.
201 Mission Street, 30th Floor
San Francisco, California 94105

**RE: Removal of Two Underground Storage Tanks at the
Beach Street Area - Yerba Buena / East Baybridge Project**

Dear Ms. Brandt:

The Alameda County, Department of Environmental Health, Hazardous Materials Division has recently reviewed the "Report on the Removal of Two Underground Fuel Storage Tanks and Soil Remediation Activities Beach Street Area Yerba Buena / East Baybridge Project" (October 20, 1993) prepared by Levine Fricke for the referenced site.

Two 12,000 gallon underground fuel storage tanks were removed in August 31, 1993. These tanks were uncovered during excavation of petroleum hydrocarbon contaminated soil at the site. Soil samples collected beneath the tank excavation detected concentration of petroleum hydrocarbon up to 200 ppm TPH diesel, 2200 ppm oil and grease, 540 ppm TPH motor oil and 31 ppm TPH gas. Overexcavation of petroleum hydrocarbon affected soil was conducted in September, 1993 and the following concentration of residual soil contamination remains on site : 750 ppm TPH diesel, 4100 ppm oil and grease, 1400 ppm TPH motor oil, 100 ppm TPH gas, 0.14 ppm toluene, 1.7 ppm ethyl benzene, 5.6 ppm xylene. In addition, monitoring well LF-12 was abandoned during the overexcavation activities.

Based on this review, a soil and/or groundwater investigation must be conducted to determine the vertical and lateral extent of contamination resulting from the former leaking tanks. A workplan must be submitted to delineate the extent of the contaminant plume. Soil and groundwater samples should be analyzed for the following target compounds: TPH gasoline, TPH diesel, oil and grease, benzene, toluene, ethyl benzene and xylene. The elements of the workplan must be consistent with the "Tri Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tanks Sites" (August 10, 1990). Your workplan must be submitted to this office **no later than April 22, 1994.**

Ms. Kimberly Brandt
RE: Beach St., Yerba Buena / East Baybridge Project, Emeryville
February 22, 1994
Page 2 of 2

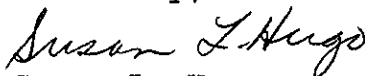
Until cleanup is complete, you will need to submit reports to this office **every three months** (or at a more frequent interval, if specified at any time by this office). In addition, the following items must be incorporated in your future reports or workplans :

- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department of the responsible party or tank owner's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professional involved with the project.

If you have any questions concerning this letter, please contact me at (510) 271-4530.

Sincerely,



Susan L. Hugo
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health
Edgar B. Howell, Chief, Hazardous Materials Division / file
Rich Hiett, RWQCB, San Francisco Bay Region
Jenifer Beatty, Levine Fricke - 1900 Powell St., 12th Floor
Emeryville, California 94608

LEVINE-FRICKE

FACSIMILE COVER SHEET

Date	1/27/93	
Time	3	
Deliver to	SUSAN HUGO	
Name of Firm	ACHCSA	
Fax Phone No.	569-4757	LoF Project No. 1649.15
From	Jennifer Beatty	

NUMBER OF PAGES: This cover page plus 2 1/2 page(s)

For voice contact call: (510) 652-4500

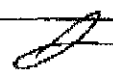
For return Facsimile message: (510) 652-2246

Telecopy Operator: _____

Any questions or inquiries about missing pages or unreadable copy, please call (510)652-4500

Remarks

Please call and leave me a message
concerning well location - Can't really move it any
closer or
Thanks! it will be
destroyed during
construction -



1900 POWELL STREET, 12TH FLOOR
EMERYVILLE, CA 94608
(510) 652-4500

Other offices in Irvine, CA; Sacramento/Roseville, CA; Tallahassee, FL; and Honolulu, HI

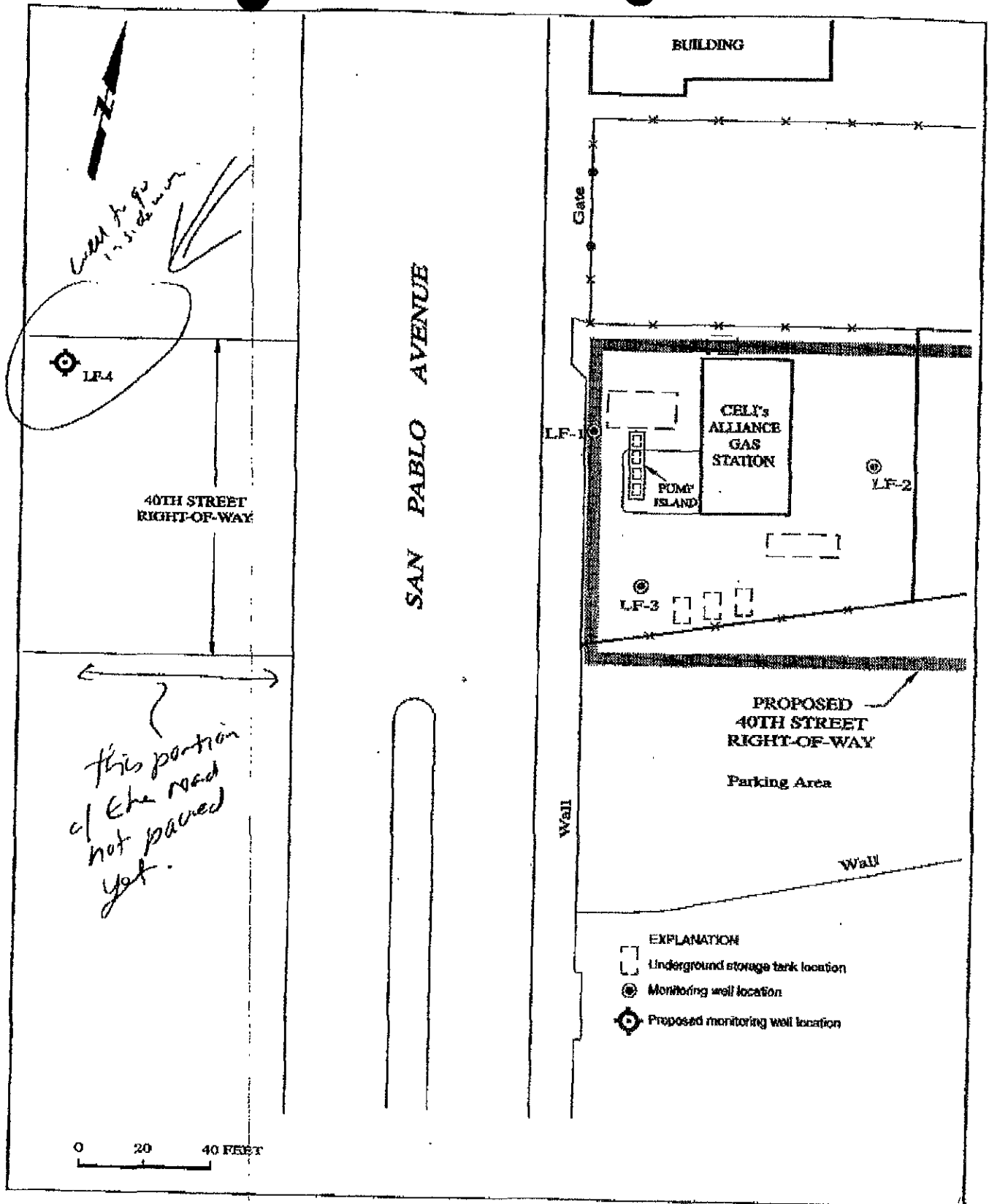


Figure 1 : EXISTING AND PROPOSED MONITORING WELL LOCATIONS

Project No. 1649

1649B030.WEM:EM 012794

LEVINE-FRICKE
ENGINEERS, HYDROGEOLOGISTS, & APPLIED SCIENTISTS

1649SD28.WEM:EM 012794

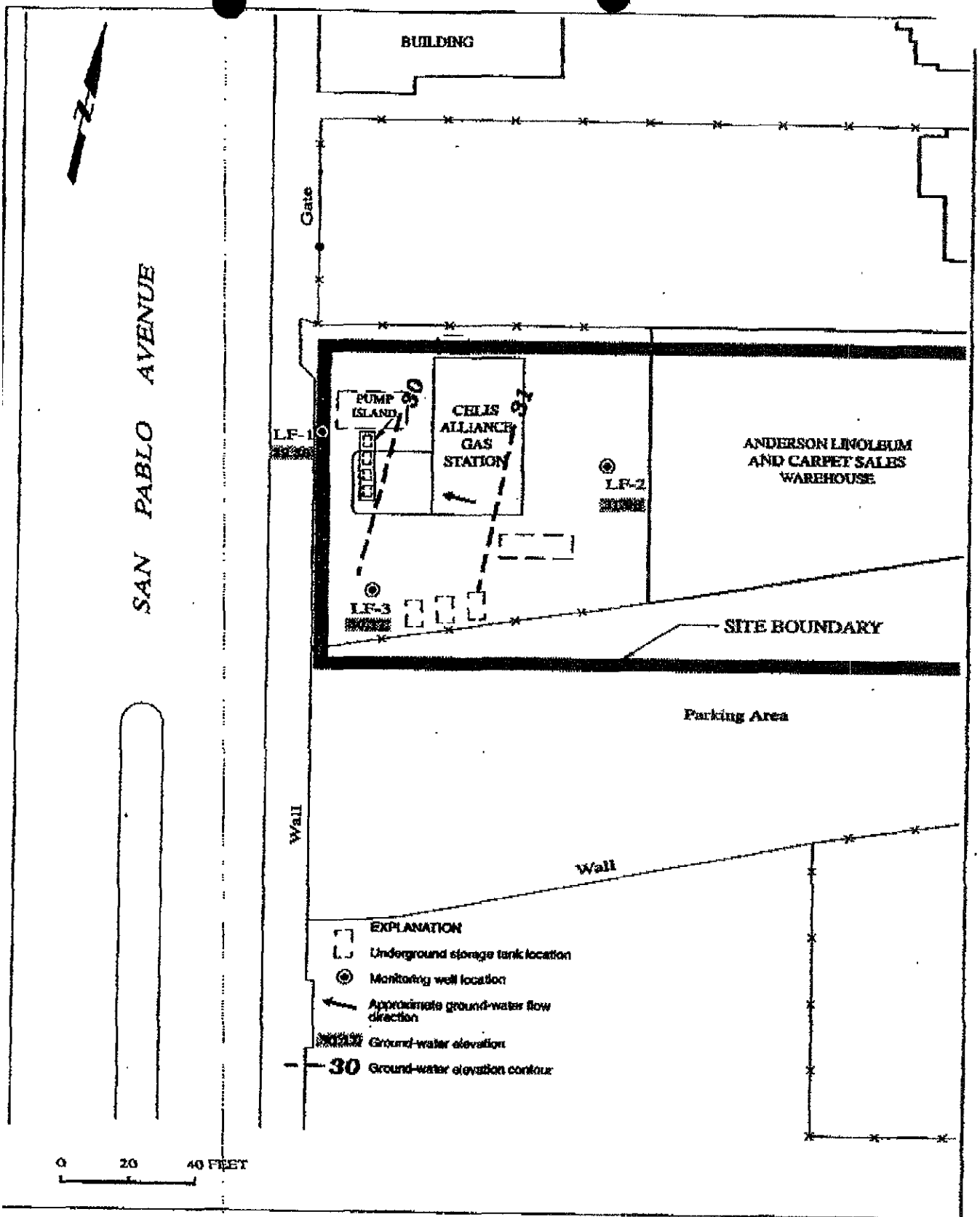
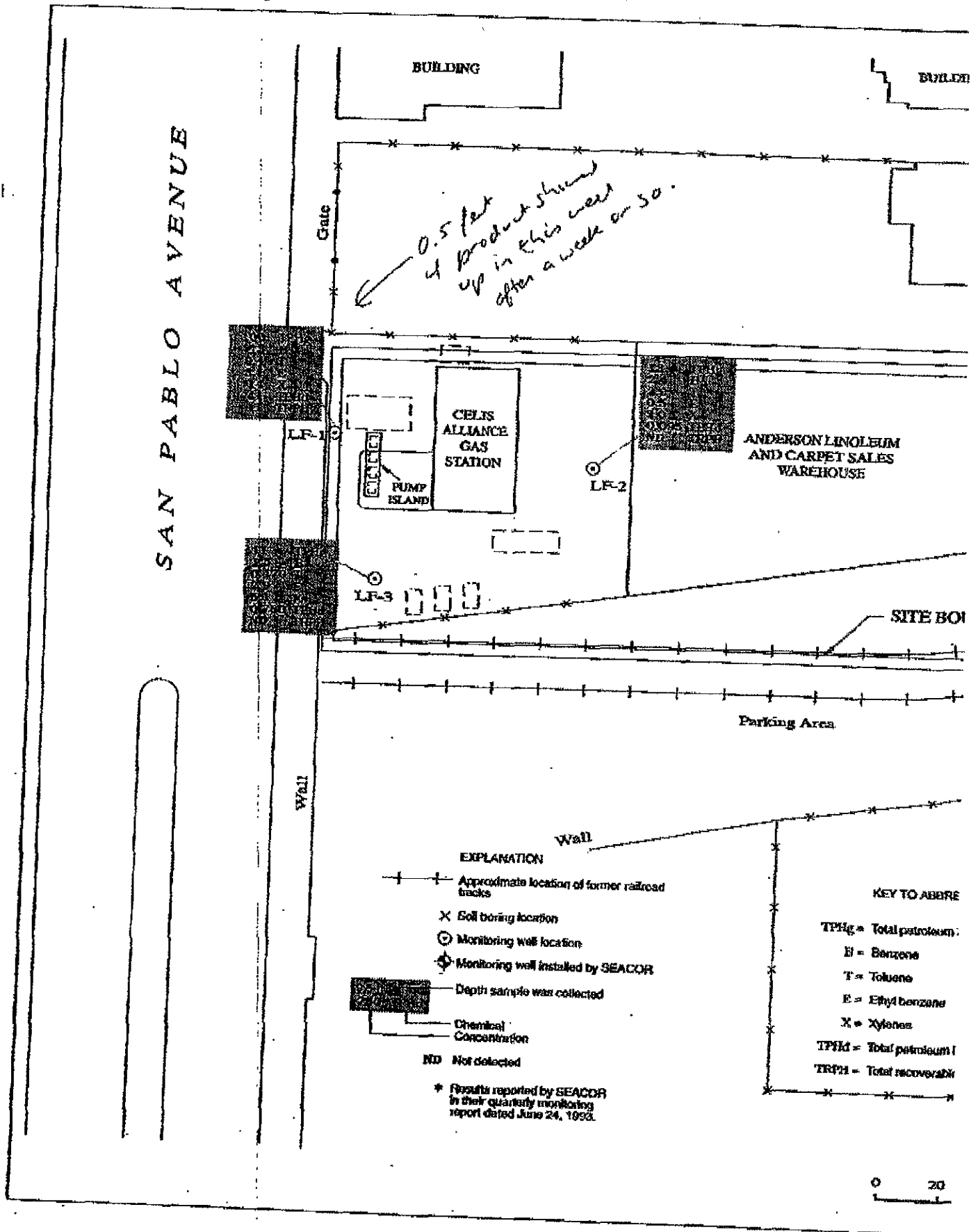


Figure 4 : GROUND-WATER ELEVATIONS AND FLOW DIRECTION, AUGUST 20, 1993, FUEL STATION

11th STREET RIGHT-OF-WAY, EMERYVILLE, CALIFORNIA
 Project No. 1649.15

LEVINE·FRICKE
 ENGINEERS, HYDROGEOLOGISTS, & APPLIED SCIENTISTS

1649G001.ARX.JSM 01/07/94



ans

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
MEMORANDUM

TO BRIAN OLIVA FROM SUSAN H. DATE 11/8/93
SUBJECT UGT at Industrial Safety Supplies
4041 Hollis Emeryville (658-0414)

An underground tank (probably heating fuel?)
found in the sidewalk. Product appears to be
coming out from this tank. Tank encountered
during construction work by Catellus in the
Yuba Bona Project.
Please investigate.

Thanks
Susan

SUSAN L. HUGO

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 510/271-4320

ACCEPTED

Underground Storage Tank Closure Permit Application

Alameda County Division of Hazardous Materials

80 Swan Way, Suite 200,

Oakland, CA 94621

Telephone: (510) 271-4320

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The information proposed herein is now required for issuance of any required building permits for construction/destruction.

One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any changes or alterations to the plans must be submitted to the Department and Building Inspections Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections: *

- Removal of Tank(s) and Piping
- Sampling
- Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependant on compliance with accepted plans and all applicable laws and regulations.

*THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS

Contact Specialist:

Susan L. Hugo

10/26/93

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name Catellus Development Corporation

Business Owner Same as above

2. Site Address 4030 Hollis St., SE of intersection between Hollis St. + 40th St.
City Emeryville Zip 94608 Phone N/A

3. Mailing Address 201 Mission St., 29th Floor
City San Francisco Zip 94105 Phone (415) 974-4500

4. Land Owner Catellus Development Corporation
Address 201 Mission St. City, State San Francisco, CA Zip 94105

5. Generator name under which tank will be manifested Catellus Development Corporation

EPA I.D. No. under which tank will be manifested CAD 983585746

* Catellus never owned or opened this tank, but has agreed to remove it.

6. Contractor Trapp Bros., Inc.
Address 1540 Industrial Ave.
City San Jose, CA Phone (408) 292-0820
License Type* A, B, C21, H ID# 646168, exp. 5/31/94

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant Levine-Fricke, Inc.
Address 1900 Powell St., 12th Floor
City Emeryville Phone (510) 652-4500

8. Contact Person for Investigation
Name Michael Stoll/Jennifer Beatty Title Project Engineer/Hydrogeologist
Phone (510) 652-4500

9. Number of tanks being closed under this plan 1
Length of piping being removed under this plan Estimated 10-20 ft. ?
Total number of tanks at facility 1 (other tanks previously removed)

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled **
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name Evergreen Environmental Services EPA I.D. No. CAD 980695161
Hauler License No. 0242 License Exp. Date 7/31/94
Address 6880 Smith Ave.
City Newark State CA Zip 94560

b) Product/Residual Sludge/Rinsate Disposal Site

Name Evergreen Environmental Services EPA I.D. No. CAD 980887418
Address 6880 Smith Ave.
City Newark State CA Zip 94560

c) Tank and Piping Transporter

Name Erickson Inc. EPA I.D. No. CAD 009466392
Hauler License No. 0019 License Exp. Date 5/31/94
Address 255 Parr Blvd.
city Richmond state CA zip 94801

d) Tank and Piping Disposal Site

Name Erickson Inc. EPA I.D. No. CAD 009466392
Address 255 Parr Blvd.
city Richmond state CA zip 94801

11. Experienced Sample Collector

Name Michael Stoll
Company Levine-Fricke, Inc.
Address 1900 Powell St., 12th Floor
city Emeryville state CA zip 94608 Phone (510) 652-4500

12. Laboratory

Name Anamatrix, Inc.
Address 1961 Concourse Drive, Suite E
city San Jose state CA zip 95131
State Certification No. 1234

13. Have tanks or pipes leaked in the past? Yes [] No [] unknown [X]

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

Residual liquids, if any, will be pumped out prior to excavation and dry ice will be added to purge possible aromatic hydrocarbons. A gas meter will be maintained on site throughout the excavation to ensure that

the tanks are inert.
 Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
? 500 gal. or smaller. (350 gal?)	Unknown. - Water sample collected from the tank contained TPHg, BTEx, TPHd	Soil ground-water (if encountered)	No deeper than 2 feet beneath the fill on pump end of the tank. One sample collected after gw has recharged.

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) <i>Less than 20.</i>	Sampling Plan <i>4 discrete samples from the stockpile will be composited by the laboratory into one sample for chemical analysis.</i>

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
<i>TPHg</i>	<i>GCFID 5030</i>	<i>EPA Method 8015</i>	<i>Asymmetric 100 ppm 10 ppm - Soil 50 ppm - Water</i>
<i>✓ TPHd</i>	<i>GCFID 3550</i>	<i>EPA Method 8015</i>	
<i>✓ BTEX</i>	<i>EPA</i>	<i>EPA Method 8020</i>	<i>0.005 ppm Soil 0.5 ppm water.</i>
<i>✓ VOCs</i>		<i>EPA Method 8010</i>	
<i>✓ Oil + Grease</i>		<i>SM 5520 EF</i>	<i>30 ppm - Soil 5 ppm water</i>
<i>Metals. Cd, Cr, Pb, Zn, Ni</i>	<i>AA or ICP.</i>		<i>6010/7000</i>

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer Fremont Indemnity Co.

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) RAY ROBESON

Signature [Handwritten Signature]

Date 10.26-93

Signature of Site Owner or Operator

Name (please type) Taylor Bennett for Catellus Development Corp.

Signature Taylor Bennett for Catellus

Date 10/20/93

ACORD CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)

6/30/93

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
 Rollins Hudig Hall
 1737 N. First St., Ste. 400
 San Jose, CA 95112
 Carlyn Eaton/Jeff Aber
 408-438-7180

INSURED
 Trumpp Brothers Inc.
 1540 Industrial Avenue
 San Jose

CA 95112

COMPANIES AFFORDING COVERAGE

COMPANY LETTER **A** Transcontinental

COMPANY LETTER **B** Transportation

COMPANY LETTER **C** Fremont Indemnity Co.

COMPANY LETTER **D**

COMPANY LETTER **E**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS

OR LT	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY	CO121630102	7/01/93	7/01/94	GENERAL AGGREGATE	\$ 2000000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OP AGG	\$ 1000000
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				PERSONAL & ADV INJURY	\$ 1000000
	<input checked="" type="checkbox"/> OWNER'S & CONTRACTOR'S PAOL				EACH OCCURRENCE	\$ 1000000
					FIRE DAMAGE (Any one fire)	\$ 50000
					MED EXPENSE (Any one person)	\$ 5000
B	AUTOMOBILE LIABILITY	121630133	7/01/93	7/01/94	COMBINED SINGLE LIMIT	\$ 1000000
	<input checked="" type="checkbox"/> ANY AUTO				BODILY INJURY (Per person)	\$
	<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE	\$
<input checked="" type="checkbox"/> MIXED AUTOS						
<input checked="" type="checkbox"/> NON-OWNED AUTOS						
<input type="checkbox"/> GARAGE LIABILITY						
C	EXCESS LIABILITY	WP9253353301	7/01/93	7/01/94	EACH OCCURRENCE	\$
	<input type="checkbox"/> UMBRELLA FORM				AGGREGATE	\$
	<input type="checkbox"/> OTHER THAN UMBRELLA FORM				STATUTORY LIMITS	\$
	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY				EACH ACCIDENT	\$ 1000000
					DISEASE-POLICY LIMIT	\$ 1000000
					DISEASE-EACH EMPLOYEE	\$ 1000000
	OTHER					

DESCRIPTION OF OPERATION(S)/LOCATION(S)/VEHICLE(S)/SPECIAL ITEMS

CERTIFICATE HOLDER

01 Alameda County Health Care
 Dept Environmental Health
 80 Swan Way, Rm. 200
 Oakland, CA 94621

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENT OR REPRESENTATIVES

AUTHORIZED REPRESENTATIVE

001037000

ACORD CORPORATION 1993

FORM 25-K (7/88)

END

PARK AVE.

Haven Street

Harlan Street

Watts Street

Emery Street

Scale: 1 inch = 150 ft.

RANSOME CONSTRUCTION

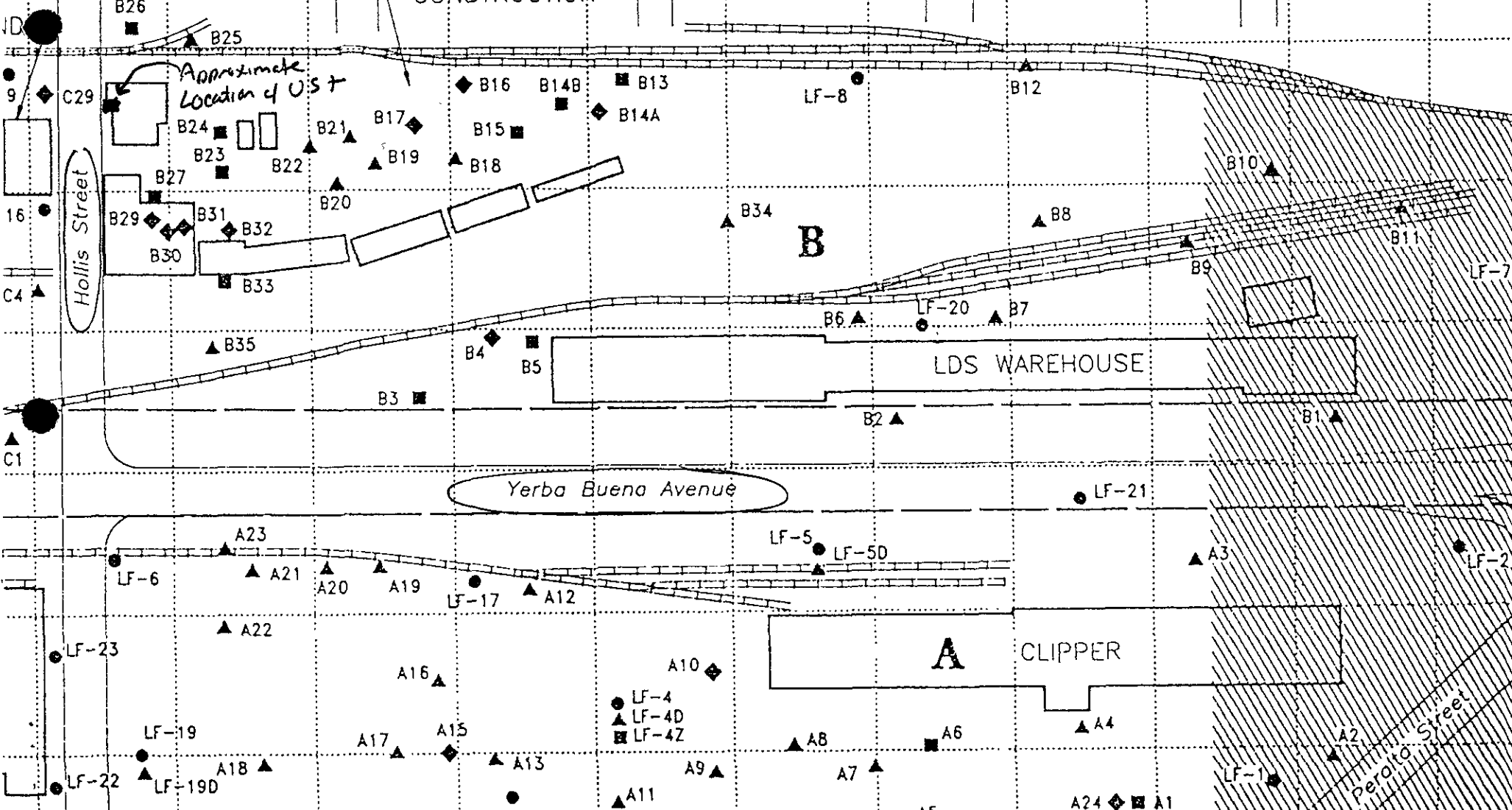
Approximate Location of US†

LDS WAREHOUSE

Yerba Buena Avenue

CLIPPER

Perata Street



Revised Forms for
PERALTA STREET
TANK

Tank Removal 9/22/93

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
GROUND STORAGE TANK PERMIT APPLICATION - FORM A



- Year # STID 1667 ?
ACUA
Date of Closure Plan: 8/23/93

COMPLETE THIS FORM FOR EACH FACILITY/SITE

<input type="checkbox"/> ONE ITEM	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
-----------------------------------	---	---	---	--	---	---

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME Tank used to service apartments/building		NAME OF OPERATOR unknown	
ADDRESS 3807 San Pablo Ave., tank located on Peralta St.		NEAREST CROSS STREET San Pablo Ave. + Peralta	PARCEL # (OPTIONAL)
CITY NAME Emeryville	STATE CA	ZIP CODE 94608	SITE PHONE # WITH AREA CODE N/A
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY			
TYPE OF BUSINESS <input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input checked="" type="checkbox"/> 5 OTHER		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE 1
E. P. A.		I. D. # (optional)	

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) Stoll, Michael	PHONE # WITH AREA CODE (510) 652-4500	DAYS: NAME (LAST, FIRST) Beatty, Jennifer	PHONE # WITH AREA CODE (510) 652-4500
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME Catellus Development Corporation	CARE OF ADDRESS INFORMATION Ms. Kimberly Brandt		
MAILING OR STREET ADDRESS 201 Mission St., 29th Floor	<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME San Francisco	STATE CA	ZIP CODE 94105	PHONE # WITH AREA CODE (415) 974-4500

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER Catellus Development Corporation	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS 201 Mission St., 29th Floor	<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME San Francisco, CA	STATE CA	ZIP CODE 94105	PHONE # WITH AREA CODE (415) 974-4500

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 44 - [] [] [] [] [] [] [] []

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 99 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING:	I. <input type="checkbox"/>	II. <input checked="" type="checkbox"/>	III. <input type="checkbox"/>
--	-----------------------------	---	-------------------------------

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) Taylor Bennett Taylor Bennett for Catellus	APPLICANT'S TITLE Senior Staff Hydrogeologist	DATE MONTH/DAY/YEAR 10/20/93
--	--	---------------------------------

LOCAL AGENCY USE ONLY

COUNTY # [] []	JURISDICTION # [] [] []	FACILITY # [] [] [] [] [] [] [] []
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

Tank Removal 9/22/93

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# <u>unknown</u>	B. MANUFACTURED BY: <u>unknown</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>unknown</u>	D. TANK CAPACITY IN GALLONS: <u>1,500</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input checked="" type="checkbox"/> 4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED	<input type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 6 AVIATION GAS
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 2 LEADED	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED <u>home heating</u>					C. A. S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input checked="" type="checkbox"/> 95 UNKNOWN
	<input type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 99 OTHER
B. TANK MATERIAL (Primary Tank)	<input type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input checked="" type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 99 OTHER
C. INTERIOR LINING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYD LINING	<input type="checkbox"/> 3 EPOXY LINING
	<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 4 PHENOLIC LINING
			<input type="checkbox"/> 99 OTHER
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
			<input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	<input checked="" type="checkbox"/> 95 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	<input checked="" type="checkbox"/> 95 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 INTERSTITIAL MONITORING	<input type="checkbox"/> 99 OTHER

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>unknown</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>50</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
---	---	---

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>Taylor Bennett Taylor Bennett for Catellus</u>	DATE <u>10/20/93</u>
---	-------------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

FORMS FOR TANKS
 Removed ON October 1,
 1993 - (South of Yerba
 Buena Ave.)

Removed 10/1/93

STATE OF CALIFORNIA
 STATE WATER RESOURCES CONTROL BOARD
 UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



Date of Closure Plan: 9/30/93

COMPLETE THIS FORM FOR EACH FACILITY/SITE

ONE ITEM	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input checked="" type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	<input type="checkbox"/> 7 PERMANENTLY CLOSED SITE
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I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME		NAME OF OPERATOR			
ADDRESS Southeast of intersection of Yerba Buena Ave. + Hollis St.		NEAREST CROSS STREET Yerba Buena + Hollis St.		PARCEL # (OPTIONAL)	
CITY NAME Emeryville		STATE CA	ZIP CODE 94608	SITE PHONE # WITH AREA CODE N/A	
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS <input checked="" type="checkbox"/> 5 OTHER		# OF TANKS AT SITE 2	
TYPE OF BUSINESS <input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR		E. P. A.		I. D. # (optional)	

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) Beatty, Jennifer	PHONE # WITH AREA CODE (510) 596-9528	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST) Trumpp, Gary	PHONE # WITH AREA CODE (408) 292-0820	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME Catellus Development Corp.		CARE OF ADDRESS INFORMATION			
MAILING OR STREET ADDRESS 201 Mission St., 29th Floor		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY			
CITY NAME San Francisco	STATE CA	ZIP CODE 94105	PHONE # WITH AREA CODE (415) 974-4500		

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER Catellus Development Corp.		CARE OF ADDRESS INFORMATION			
MAILING OR STREET ADDRESS 201 Mission St., 29th Floor		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY			
CITY NAME San Francisco	STATE CA	ZIP CODE 94105	PHONE # WITH AREA CODE (415) 974-4500		

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 44 - [] [] [] [] [] []

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 99 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. II. III.

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) Taylor Bennett Taylor Bennett for Catellus	APPLICANT'S TITLE Senior Staff Hydrogeologist	DATE MONTH/DAY/YEAR 10/20/93
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LOCAL AGENCY USE ONLY

COUNTY # [] []	JURISDICTION # [] [] []	FACILITY # [] [] [] [] [] []
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input checked="" type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: _____

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # _____	B. MANUFACTURED BY: <u>unknown</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>unknown</u>	D. TANK CAPACITY IN GALLONS: <u>2,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input checked="" type="checkbox"/> 4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED	<input type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 6 AVIATION GAS
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 2 LEADED	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C. A. S. #: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	1 DOUBLE WALL	3 SINGLE WALL WITH EXTERIOR LINER	95 UNKNOWN
	2 SINGLE WALL	4 SECONDARY CONTAINMENT (VAULTED TANK)	99 OTHER _____

B. TANK MATERIAL (Primary Tank)	1 BARE STEEL	2 STAINLESS STEEL	3 FIBERGLASS	4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	5 CONCRETE	6 POLYVINYL CHLORIDE	7 ALUMINUM	8 100% METHANOL COMPATIBLE W/FRP
	9 BRONZE	10 GALVANIZED STEEL	95 UNKNOWN	99 OTHER _____

C. INTERIOR LINING	1 RUBBER LINED	2 ALKYD LINING	3 EPOXY LINING	4 PHENOLIC LINING
	5 GLASS LINING	6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN	99 OTHER _____

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. CORROSION PROTECTION	1 POLYETHYLENE WRAP	2 COATING	3 VINYL WRAP	4 FIBERGLASS REINFORCED PLASTIC
	5 CATHODIC PROTECTION	91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	99 OTHER _____

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER _____
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER _____
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER _____

D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL MONITORING 99 OTHER _____

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>unknown</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input type="checkbox"/>
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THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>Taylor Bennett Taylor Bennett for Catellus</u>	DATE <u>10/20/93</u>
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LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input checked="" type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input checked="" type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input checked="" type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: _____

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # _____	B. MANUFACTURED BY: <u>Unknown</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>Unknown</u>	D. TANK CAPACITY IN GALLONS: <u>1,500 gal.</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input checked="" type="checkbox"/> 4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED	<input type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 6 AVIATION GAS
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 2 LEADED	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C. A. S. #: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	3 SINGLE WALL WITH EXTERIOR LINER	95 UNKNOWN
<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 99 OTHER
<input type="checkbox"/> 2 SINGLE WALL		
B. TANK MATERIAL (Primary Tank)	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS
<input checked="" type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM
<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 95 UNKNOWN
<input type="checkbox"/> 9 BRONZE		<input type="checkbox"/> 99 OTHER
C. INTERIOR LINING	<input type="checkbox"/> 2 ALKYD LINING	<input type="checkbox"/> 3 EPOXY LINING
<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN
<input type="checkbox"/> 5 GLASS LINING		<input type="checkbox"/> 4 PHENOLIC LINING
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP
<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN
<input type="checkbox"/> 5 CATHODIC PROTECTION		<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
		<input type="checkbox"/> 99 OTHER

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 INTERSTITIAL MONITORING	<input type="checkbox"/> 99 OTHER

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>Unknown</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input type="checkbox"/>
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THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>William Madison / Quinn Graham Agent for Catellus</u>	DATE <u>09/30/93</u>
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LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME		NAME OF OPERATOR		
ADDRESS <i>4030 Hollis St., SE of intersection between Hollis & York</i>		NEAREST CROSS STREET <i>Hollis St. and 40th</i>	PARCEL # (OPTIONAL)	
CITY NAME <i>EMERYVILLE</i>		STATE <i>CA</i>	ZIP CODE <i>94608</i>	SITE PHONE # WITH AREA CODE
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY				
TYPE OF BUSINESS		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
<input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input checked="" type="checkbox"/> 5 OTHER				

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) <i>Stoll, Michael</i>	PHONE # WITH AREA CODE <i>510-652-4506</i>	DAYS: NAME (LAST, FIRST) <i>Betty Jenifer</i>	<i>510-652-4506</i>
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME <i>CATELLUS Development Corp.</i>		CARE OF ADDRESS INFORMATION <i>Ms. Kimberly Brandt</i>		
MAILING OR STREET ADDRESS <i>201 Mission St, 29th Floor.</i>		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME <i>San Francisco, CA</i>		STATE <i>CA</i>	ZIP CODE <i>94105</i>	PHONE # WITH AREA CODE <i>415-974-4500</i>

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER <i>RANSOME COMPANY</i>		CARE OF ADDRESS INFORMATION <i>Mr. Kinear Smith.</i>		
MAILING OR STREET ADDRESS <i>740 Julie Ann Way</i>		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME <i>OAKLAND</i>		STATE <i>CA</i>	ZIP CODE <i>94621</i>	PHONE # WITH AREA CODE <i>(510)-430-1900</i>

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ -

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 99 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. II. III.

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <i>Jenifer Betty Jenifer Betty for Catellus</i>	APPLICANT'S TITLE <i>Project Hydrogeologist</i>	DATE MONTH/DAY/YEAR <i>10/20/93</i>
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LOCAL AGENCY USE ONLY

COUNTY # <input type="text" value=""/> <input type="text" value=""/>	JURISDICTION # <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	FACILITY # <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
FORM A (5-91)

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input checked="" type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: _____

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # <u>UNKNOWN</u>	B. MANUFACTURED BY: <u>UNKNOWN.</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>UNKNOWN</u>	D. TANK CAPACITY IN GALLONS: <u>500</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL <input checked="" type="checkbox"/> 2 PETROLEUM <input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 4 OIL <input type="checkbox"/> 80 EMPTY <input type="checkbox"/> 95 UNKNOWN	B. ? <input checked="" type="checkbox"/> 1 PRODUCT <input type="checkbox"/> 2 WASTE	C. <input type="checkbox"/> 1a REGULAR UNLEADED <input type="checkbox"/> 1b PREMIUM UNLEADED <input type="checkbox"/> 2 LEADED <input type="checkbox"/> 3 DIESEL <input type="checkbox"/> 4 GASAHOL <input type="checkbox"/> 5 JET FUEL <input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)
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D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C. A. S. #: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM <input type="checkbox"/> 1 DOUBLE WALL <input type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER <input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
B. TANK MATERIAL (Primary Tank) <input checked="" type="checkbox"/> 1 BARE STEEL <input type="checkbox"/> 5 CONCRETE <input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 2 STAINLESS STEEL <input type="checkbox"/> 6 POLYVINYL CHLORIDE <input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 3 FIBERGLASS <input type="checkbox"/> 7 ALUMINUM <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
C. INTERIOR LINING <input type="checkbox"/> 1 RUBBER LINED <input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 2 ALKYD LINING <input type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 3 EPOXY LINING <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 4 PHENOLIC LINING <input type="checkbox"/> 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. CORROSION PROTECTION <input type="checkbox"/> 1 POLYETHYLENE WRAP <input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 2 COATING <input type="checkbox"/> 91 NONE	<input type="checkbox"/> 3 VINYL WRAP <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC <input type="checkbox"/> 99 OTHER
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E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 <u>UNKNOWN</u> A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER

D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL MONITORING 99 OTHER

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>UNKNOWN</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>0</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
---	---	---

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>Janifer Beatty Janifer Beatty for Catellus.</u>	DATE <u>10/20/93</u>
--	-------------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

C A T E L L U S



October 8, 1993

Mr. Richard Heitt
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

RE: Amended Notice Regarding Containment of Hydrocarbon-Affected Soils
Yerba Buena Project, Emeryville

Dear Richard:

On August 30, 1993, I sent a letter presenting a proposed notice regarding the containment of the hydrocarbon-affected soils at the Yerba Buena Project in Emeryville, California. Since that letter I have revised the notice language to be placed on the deed. This notice language continues to be consistent with the request in a letter dated June 24, 1993 from Steven Richie of the Regional Water Quality Control Board to Amanda Spencer of Levine•Fricke, that a notice is to be placed on the recorded deed(s) (i.e., of record for this parcel) whenever soils containing elevated levels of pollutants are contained on any affected parcel. The letter also indicated that the Regional Board staff has no objection to the relocation of hydrocarbon-affected soils within the project area as proposed in the Containment Plan for Petroleum Hydrocarbon-affected Soils, Yerba Buena Project Site, Emeryville and Oakland dated March 10, 1992.

The revised language which Catellus Development Corporation proposes to use for the two parcels, Tract 6368 Parcel 2 and Tract 6368 Parcel 4 (commonly known as 3838 Hollis Street and 3839 Emery Street, respectively), within the Yerba Buena project in Emeryville where hydrocarbon-affected soils will be contained is as follows:

NOTICE - Portions of the soil located beneath the building pad and parking lot of Lots 2 and 4, Tract Map 6368, Official Records of Alameda County, contain oil and diesel at concentrations ranging from less than 50 parts per million (ppm) to 17,000 ppm and less than 10 ppm to 2,600 ppm, respectively. The placement of such soil has been reviewed and approved by the California Regional Water Quality Control Board, San Francisco Bay Region

environ\kim\ebbn011.ltr

CATELLUS DEVELOPMENT CORPORATION


201 MISSION STREET, 30TH FLOOR • SAN FRANCISCO, CALIFORNIA 94105 • TEL 415 974-4500 FAX 415 974-4613

Mr. Richard Heitt
California Regional Water Quality Control Board
San Francisco Bay Region
October 8, 1993, Page 2

(RWQCB) and the Alameda County Health Agency (ACHA) offices in letters dated June 24, 1992 and March 5, 1991, respectively. Further information is on file at the RWQCB and the ACHA offices. Upon recordation of written confirmation from such agencies or their successors that said oil and diesel-affected soils are at concentrations that no longer require this notice, this notice will be deemed to be removed and of no further force or effect.

Please review this revised notice language. If you have any questions or comments regarding this revised notice, contact me at (415) 974-3705.

Sincerely,



Kimberly A. Brandt
Environmental Specialist

cc: Susan Hugo - Alameda County Health Agency
Pat Cashman
Sean Tabor
Larry Vollentine

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 HAZARDOUS MATERIALS DIVISION
 80 SWAN WAY, ROOM 200
 OAKLAND, CA 94621
 PHONE NO. 510/271-4320

ST10 1667

SUSAN L. HUGO

ACCEPTED
 Underground Storage Tank Closure Permit Application
 Alameda County Division of Hazardous Materials
 80 Swan Way, Suite 200,
 Oakland, CA 94621
 Telephone: (510) 271-4320

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed to be submitted for issuance of any required building permits for construction/destruction. One copy of the approved plans must be on the job and available to all contractors and craftsmen related with the removal. Any change in plan or materials must be submitted to the Department for approval. Inspections Department will check if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections:
 _____ Removal of Tank(s) and Piping
 _____ Sampling
 _____ Final Inspection

***THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS**
 Contact Specialist:

Please note changes made on page 4 of ST10. Need to submit forms AEB

*Susan L. Hugo
 9/30/93*

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

- Business Name CATELLUS DEVELOPMENT CORPORATION
 Business Owner SAME AS ABOVE
 - Site Address SOUTH ^{EAST} OF THE INTERSECTION OF YERBA BUENA AVE AND HOLLIS STREET
 City EMERYVILLE Zip 94608 Phone N/A
 - Mailing Address 201 Mission Street, 29th Floor
 City SAN FRANCISCO Zip 94105 Phone 415-6974-4500
 - Land Owner CATELLUS DEVELOPMENT CORPORATION
 Address 201 Mission St. SF City, state CA Zip 94105
 - Generator name under which tank will be manifested Catellus Development Corporation
- EPA I.D. No. under which tank will be manifested CAD 983585016
9835850746

6. Contractor Trumpp Bros Inc.
Address 1540 Industrial Ave.
City SAN JOSE, CA Phone 408-292-0820
License Type* A, B, C21, H ID# 77-012199T 6/6/68 Hy 5/31/97

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant Levine-Fricke
Address 1900 Powell St., 12th Floor
City EMERYVILLE Phone 510-652-4500

8. Contact Person for Investigation
Name Michael Stull / Jennifer Beatty Title Project Engineer / Hydrogeologist
Phone 510-652-4500

9. Number of tanks being closed under this plan 2
Length of piping being removed under this plan Estimated 40 feet
Total number of tanks at facility 2

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled **
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter
Name Evergreen Environmental Services EPA I.D. No. CAD 980695761
Hauler License No. 0242 License Exp. Date 7/31/94
Address 6880 Smith Ave.
City Newark State CA Zip 94560

b) Product/Residual Sludge/Rinsate Disposal Site
Name Evergreen Environmental Services EPA I.D. No. CAD 980887418
Address 6880 Smith Ave.
City Newark State CA Zip 94560

c) Tank and Piping Transporter

Name Erickson Inc. EPA I.D. No. CAD 009466392 ✓
Hauler License No. 0019 License Exp. Date 5/31/94 ✓
Address 255 Parr Blvd.
city Richmond state CA zip 94801

d) Tank and Piping Disposal Site

Name Erickson Inc. EPA I.D. No. CAD 009466392 ✓
Address 255 Parr Blvd.
city Richmond state CA zip 94801

11. Experienced Sample Collector

Name Michael Stoll / William Madison
Company Levine-Fricha Inc.
Address 1900 Powell Street, 12th Flr.
city EMERYVILLE state CA zip 94608 Phone 510-652-4500

12. Laboratory

Name ANAMETRIX INC.
Address 1961 Concourse Drive, Suite E
city SAN JOSE state CA zip 95131
State Certification No. 1234

13. Have tanks or pipes leaked in the past? Yes [] No [] Unknown ✓

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

Residual liquids in tank will be pumped out prior to excavation
and dry ice will be added to ~~remove~~ purge aromatic hydrocarbons.

A gas meter will be maintained on site throughout the excavation to

ensure that the tanks are inert.
 Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
1,500 gall. (estimated)	TANK APPARENTLY used to store oil. It is unknown when the tank was last used.	Soil We are not planning to sample water if encountered, site already has hydraulic containment system in place.	no deeper than 2 feet beneath each end of the tank.
1,500 gall. (estimated)	same as above	same as above Sample ground-water, if present	same as above.

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) 40 cubic yards	Sampling Plan 4 discrete samples from the stockpile will be composited by the laboratory into one sample for analysis.

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
oil (TPH)(TPH _{no}) TPHg oil (BTX) (GWS)	3550	EPA Method 8015 (modified)	<u>Analytical</u> 10 ppm-soil 50 ppb-water
oil (oil+grease)		EPA Method 8020 EPA M. 8015	0.005 ppm soil 0.5 ppm water - 0.5 ppm soil 0.05 ppm water
Cl HC metals Cd, Cr, Pb, Zn, Ni		SM 5520 LF SM 5520 BF	30 ppm-soil 5 ppm-water
	8010 or 8240	AA or ICP	

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer Fremont Indemnity Co.

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) RAY ROBESON / TRUMP BROS INC

Signature [Handwritten Signature]

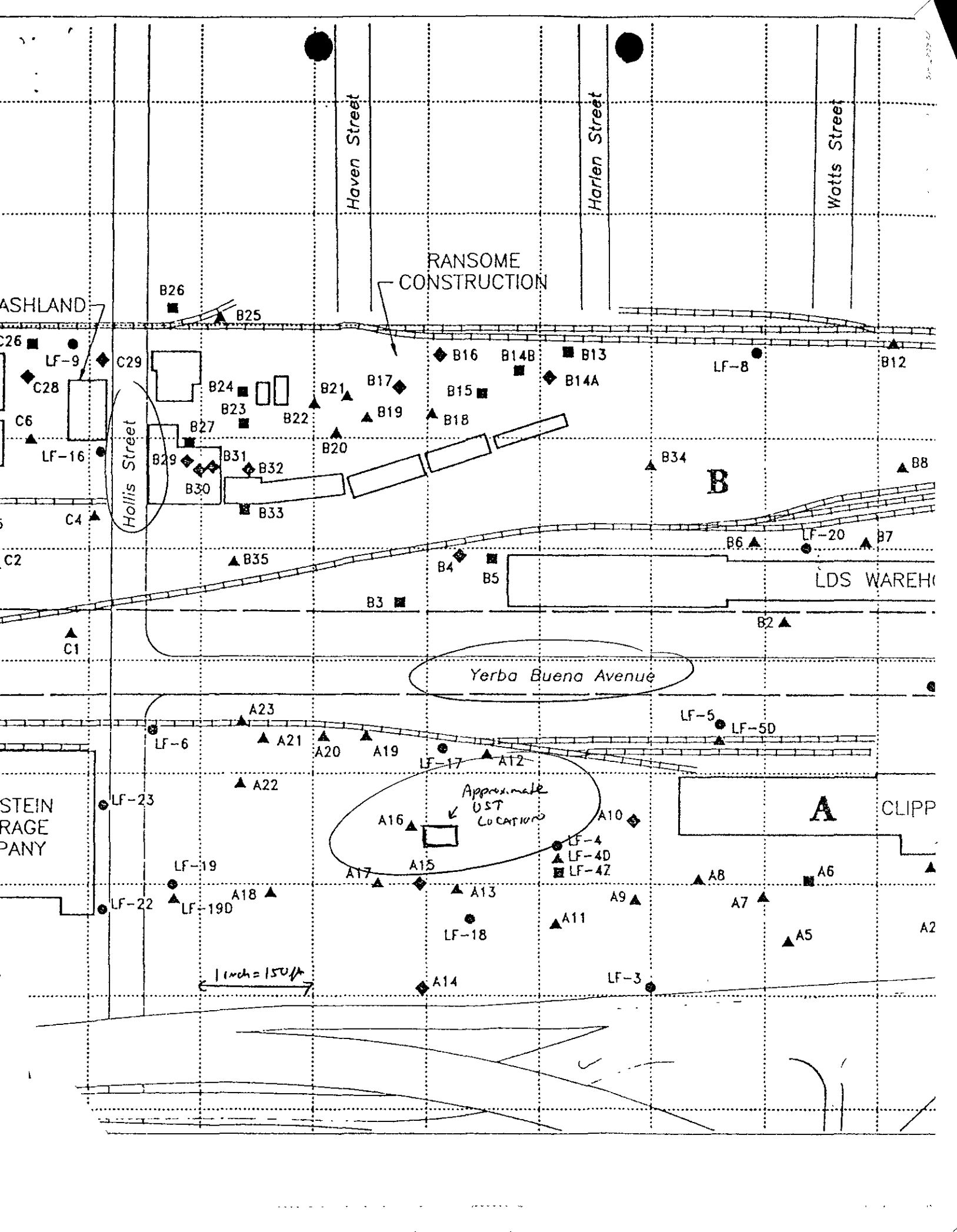
Date 9-28-93

Signature of Site Owner or Operator

Name (please type) Jenifer Beatty Agent for Catellus Development Corp.

Signature Jenifer Beatty / Agent for Catellus.

Date 9/28/93



Haven Street

Harlan Street

Watts Street

RANSOME CONSTRUCTION

ASHLAND

Hollis Street

B

LDS WAREHOUSE

Yerba Buena Avenue

CLIPP

Approximate UST Locations

1 inch = 150 feet

ACORD CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)

8/30/93

PRODUCER

Rollins Hudig Hall
 1737 N. First St., Ste. 400
 San Jose, CA 95112
 Carlyn Eaton/Jeff Aber
 408-438-7180

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY LETTER A	Transcontinental
COMPANY LETTER B	Transportation
COMPANY LETTER C	Fremont Indemnity Co.
COMPANY LETTER D	
COMPANY LETTER E	

INSURED

Trumpp Brothers Inc.
 1840 Industrial Avenue
 San Jose

CA 95112

COVERAGE

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS

CLASSIFICATION	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	<input checked="" type="checkbox"/> GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR. <input checked="" type="checkbox"/> OWNER'S & CONTRACTOR'S PROT.	CO121830102	7/01/93	7/01/94	GENERAL AGGREGATE	\$ 2000000
					PRODUCTS-COMP/OP AGG.	\$ 1000000
					PERSONAL & ADV INJURY	\$ 1000000
					EACH OCCURRENCE	\$ 1000000
					FIRE DAMAGE (Any one fire)	\$ 50000
					MED EXPENSE (Any one person)	\$ 5000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> GARAGE LIABILITY	121530133	7/01/93	7/01/94	COMBINED SINGLE LIMIT	\$ 1000000
					BODILY INJURY (Per person)	\$
					BODILY INJURY (Per accident)	\$
					PROPERTY DAMAGE	\$
	<input type="checkbox"/> EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM				EACH OCCURRENCE	\$
					AGGREGATE	\$
C	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY	WP9253353301	7/01/93	7/01/94	STATUTORY LIMITS	\$
					EACH ACCIDENT	\$ 1000000
					DISEASE-POLICY LIMIT	\$ 1000000
					DISEASE-EACH EMPLOYEE	\$ 1000000
	OTHER					

DESCRIPTION OF OPERATION(S), LOCATION(S), VEHICLE(S), SPECIAL ITEMS

CERTIFICATE HOLDER

01 Alameda County Health Care
 Dept Environmental Health
 80 Swan Way, Rm. 200
 Oakland, CA 94621

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENT OR REPRESENTATIVES

AUTHORIZED REPRESENTATIVE 001037000

ACORD 25 (7/88)

© ACORD CORPORATION 1988

END

PH file

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.		
REPORT DATE M M D D Y Y		CASE #		SIGNED: <i>[Signature]</i> DATE: 9/22/93		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Michael Stoll		PHONE (510) 652-4500		SIGNATURE <i>[Signature]</i>	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME Levine-Fricke Inc.			
	ADDRESS 1900 Powell St., 12 th Floor Emeryville CA 94608					
RESPONSIBLE PARTY	NAME <input checked="" type="checkbox"/> UNKNOWN		CONTACT PERSON		PHONE ()	
	ADDRESS					
SITE LOCATION	FACILITY NAME (IF APPLICABLE)		OPERATOR		PHONE ()	
	ADDRESS 1549 40 th Street		Oakland 94608 Alameda		()	
	CROSS STREET Halleck Street					
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda County Health Care Services		CONTACT PERSON Ms. Susan Hugo		PHONE (510) 271-4530	
	REGIONAL BOARD RWQCB - San Francisco Bay Region		CONTACT PERSON Mr. Rich Hiatt		PHONE (510) 296-1255	
SUBSTANCES INVOLVED	(1) NAME Crude Oil				QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN	
	(2)					
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 M 8 D 3 D 1 D 9 Y 3		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL		<input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS	
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 0 M 8 D 3 D 1 D 9 Y 3		<input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE			
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL			
	<input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		<input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER			
CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input checked="" type="checkbox"/> CLEANUP UNDERWAY					
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS)					
COMMENTS	Levine-Fricke Inc. oversaw the removal of the USTs on behalf of the Catellus Development Corporation, the current owner of the property. The Catellus Development Corporation has never operated USTs at the site.					

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
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REPORT DATE: M <u> </u> / M <u> </u> / D <u> </u> / D <u> </u> / Y <u> </u> / Y <u> </u>	CASE # _____
--	--------------

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <u>Michael Stoll</u>	PHONE <u>(510) 652-4500</u>	SIGNATURE 	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER _____	COMPANY OR AGENCY NAME <u>Levine-Fricke Inc.</u>		
	ADDRESS <u>1900 Powell St., 12th Floor</u> <u>Emeryville</u> <u>CA</u> <u>94608</u>			

RESPONSIBLE PARTY	NAME <input checked="" type="checkbox"/> UNKNOWN	CONTACT PERSON ()	PHONE ()
	ADDRESS STREET CITY STATE ZIP		

SITE LOCATION	FACILITY NAME (IF APPLICABLE)	OPERATOR	PHONE ()	
	ADDRESS <u>1549 40th Street</u> <u>Oakland</u> <u>Alameda</u>			
	CROSS STREET <u>Halleck Street</u>			

IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME <u>Alameda County Health Care Services</u>	CONTACT PERSON <u>Ms. Susan Hugo</u>	PHONE <u>(510) 271-4530</u>
	REGIONAL BOARD <u>RWQCB - San Francisco Bay Region</u>	CONTACT PERSON <u>Mr. Rich Hiatt</u>	PHONE <u>(510) 286-1255</u>

SUBSTANCES INVOLVED	(1) NAME <u>Crude Oil</u>	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2) _____ <input type="checkbox"/> UNKNOWN	

DISCOVERY/ABATEMENT	DATE DISCOVERED <u>0</u> M <u>8</u> D <u>3</u> D <u>1</u> D <u>9</u> Y <u>3</u> Y	HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER <u>soil sample results of sample beneath tank</u>
	DATE DISCHARGE BEGAN _____ <input checked="" type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER _____
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE <u>6</u> M <u>8</u> D <u>3</u> D <u>1</u> D <u>9</u> Y <u>3</u> Y	

SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER _____	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____
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CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
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CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input checked="" type="checkbox"/> CLEANUP UNDERWAY
----------------	--

REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS)
-----------------	--

COMMENTS
Levine-Fricke Inc. oversaw the removal of the USTs on behalf of the Catellus Development Corporation, the current owner of the property. The Catellus Development Corporation has never operated USTs at the site.

TANK removed 9/22/93

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD



UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME TANK USED TO SERVICE APARTMENTS/BUILDING		NAME OF OPERATOR —		
ADDRESS 3807 SAN PABLO AVE (TANK ON PERALTA)		NEAREST CROSS STREET SAN PABLO AVE	PARCEL # (OPTIONAL)	
CITY NAME EMERYVILLE		STATE CA	ZIP CODE	SITE PHONE # WITH AREA CODE N/A
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY				
TYPE OF BUSINESS		IF INDIAN RESERVATION OR TRUST LANDS		# OF TANKS AT SITE
<input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input checked="" type="checkbox"/> 5 OTHER				1
E. P. A. I. D # (optional)				

EMERGENCY CONTACT PERSON (PRIMARY) *Residential* EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME CATELLUS DEVELOPMENT CORPORATION	CARE OF ADDRESS INFORMATION Ms. Kimberly Bravit		
MAILING OR STREET ADDRESS 201 MISSION STREET, 29th FLOOR	<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME SAN FRANCISCO	STATE CA	ZIP CODE 94105*	PHONE # WITH AREA CODE (415) 974-4500

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER CATELLUS DEVELOPMENT CORPORATION	CARE OF ADDRESS INFORMATION Ms. Kimberly Bravit		
MAILING OR STREET ADDRESS 201 MISSION STREET, 29th FLOOR	<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME SAN FRANCISCO	STATE CA	ZIP CODE 94105	PHONE # WITH AREA CODE (415) 974-4500

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY(TK) HQ -

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 99 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. II. III.

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE	MONTH/DAY/YEAR
--	-------------------	------	----------------

LOCAL AGENCY USE ONLY

COUNTY # <input type="text" value=""/> <input type="text" value=""/>	JURISDICTION # <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	FACILITY # <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input checked="" type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: _____

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # <u>UNKNOWN</u>	B. MANUFACTURED BY <u>UNKNOWN</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>UNKNOWN</u>	D. TANK CAPACITY IN GALLONS <u>1,500</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input checked="" type="checkbox"/> 4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 2 LEADED
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____			<input type="checkbox"/> 3 DIESEL
			<input type="checkbox"/> 4 GASAHOL
			<input type="checkbox"/> 5 JET FUEL
			<input type="checkbox"/> 6 AVIATION GAS
			<input type="checkbox"/> 7 METHANOL
			<input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D BELOW)
			C. A. S. #: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	3 SINGLE WALL WITH EXTERIOR LINER	95 UNKNOWN
<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 99 OTHER
<input type="checkbox"/> 2 SINGLE WALL		
B. TANK MATERIAL (Primary Tank)	2 STAINLESS STEEL	3 FIBERGLASS
<input type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM
<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	
C. INTERIOR LINING	2 ALKYD LINING	3 EPOXY LINING
<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 95 UNKNOWN
<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 99 OTHER	
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION	2 COATING	3 VINYL WRAP
<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN
<input type="checkbox"/> 5 CATHODIC PROTECTION		<input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____	OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	2 PRESSURE	3 GRAVITY	99 OTHER
<input type="checkbox"/> 1 SUCTION	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER	
B. CONSTRUCTION	2 DOUBLE WALL	3 LINED TRENCH	95 UNKNOWN
<input type="checkbox"/> 1 SINGLE WALL	<input type="checkbox"/> 99 OTHER		
C. MATERIAL AND CORROSION PROTECTION	2 STAINLESS STEEL	3 POLYVINYL CHLORIDE (PVC)	4 FIBERGLASS PIPE
<input type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 6 CONCRETE	<input type="checkbox"/> 7 STEEL W/ COATING	<input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP
<input type="checkbox"/> 5 ALUMINUM	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER	
<input type="checkbox"/> 9 GALVANIZED STEEL	<input type="checkbox"/> 10 CATHODIC PROTECTION		
D. LEAK DETECTION	2 LINE TIGHTNESS TESTING	3 INTERSTITIAL MONITORING	99 OTHER
<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 99 OTHER		

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) _____	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input type="checkbox"/>
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) _____	DATE _____
--	------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	



LEVINE•FRICKE
ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

93 SEP 17 1993 SEP 17 PM 3:05 PM 3:02

September 15, 1993

STID 1667

LF-1649.16

Mr. Richard Hiett
Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, California 94612

Subject: Management Plan for Reuse of Ground Water Generated
During Soil Remediation Activities, Beach Street
Area, Yerba Buena Project Site, Emeryville,
California

Dear Mr. Hiett:

As we discussed in our telephone conversation on Wednesday, September 8, 1993, approximately 22,000 gallons of ground water are being stored temporarily in a holding tank at the Yerba Buena Project Site, southwest of the intersection of Beach Street and Halleck Street ("the Site"). This ground water consists of water generated during dewatering activities conducted in conjunction with soil remediation activities in the Beach Street area, and water found in and pumped from underground storage tanks uncovered at the Site.

Ground-water samples collected from the holding tank were submitted to Anametrix, Inc., of San Jose, California, for analysis of total petroleum hydrocarbons as gasoline (TPHg), TPH as diesel (TPHd), TPH as motor oil (TPHo), oil and grease (O&G), and benzene, toluene, ethylbenzene, and total xylenes (BTEX).

Analytical results indicate TPHd and TPHo at concentrations of 970 parts per billion (ppb) and 890 ppb, respectively. No BTEX, TPHg, or O&G were reported above the method detection limits of 5 ppb, 50 ppb and 500 ppb, respectively.

Based on these results, it is proposed that the purged ground water be used during soil remediation activities, rather than transporting the water off site for disposal or recycling, thereby reducing the amount of additional water supply needed during soil remediation activities.

1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500
Fax (510) 652-2246

LEVINE·FRICKE

The rationale for this proposed water reuse is as follows:

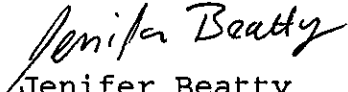
- Ground water containing TPH in excess of 50 ppb cannot be discharged to storm drains under a temporary discharge permit issued by the Regional Water Quality Control Board, and therefore, this purged water requires other disposal, recycling, or reuse.
- Water will be needed during remediation activities to moisture-condition soil for compaction and for dust control within the area being remediated.
- No surface runoff will be generated during remediation activities because the water will only be used where additional moisture is necessary (i.e., when soil is too dry).
- The TPHd and TPHo in the purged water that possibly could sorb to soil would not add significant concentrations to soil being remediated at the Site (i.e., cleanup goals for the Site are 100 parts per million [ppm] for diesel and 1,000 ppm for oil)
- Little, if any, purged water would reach ground water through infiltration because water will not be used in quantities that would allow infiltration (i.e., the heavy equipment would not be able to operate effectively in "mud").
- The cost to transport and recycle water is approximately \$0.50/gallon, or \$11,000 for 22,000 gallons.

On the basis of our September 8, 1993 telephone conversation, it is my understanding that the Regional Water Quality Control Board will not take enforcement action concerning reuse of this slightly contaminated purged ground water during soil remediation and compaction activities being conducted at the Site. Therefore, based on this understanding, we will be reusing the water as described above beginning on September 15, 1993.

As you are aware, I notified Ms. Susan Hugo of the Alameda County Health Care Services Agency on September 7, 1993, concerning this issue. Ms. Hugo referred me to you.

If you have any questions, or to provide comments, please call me at (510) 652-4500.

Sincerely,



Jenifer Beatty
Project Hydrogeologist

cc: Susan Hugo, Alameda County Health Care Services Agency
Kimberly Brandt, Catellus
Pat Cashman, Catellus

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Inspection Form

II, III

Site ID # 1067 Site Name Yerba Buena Project Today's Date 9/2/93

Site Address Beach Street
 City Oakland Zip 94608 Phone _____

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 2703
- ___ 2. Bus. Plan Stds. 25503(b)
- ___ 3. RR Cars > 30 days 25503.7
- ___ 4. Inventory Information 25504(a)
- ___ 5. Inventory Complete 2730
- ___ 6. Emergency Response 25504(b)
- ___ 7. Training 25504(c)
- ___ 8. Deficiency 25505(a)
- ___ 9. Modification 25505(b)

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- ___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ___ II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

In situ 1-3 PM (25 miles)

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.B ACUTELY HAZ. MATLS

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMPP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N)
- ___ 14. OffSite Conseq. Assess. 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(f)
- ___ 18. Exemption Request? (Y/N) 25536(b)
- ___ 19. Trade Secret Requested? 25538

Comments:

2 - 12000 gals NST removed
Overexcavation at site
Met William Madison (LF)
Overexcavation of the 2-12000 gal NST
pit.
The stockpiles are screened &
segregated into 2 protection piles.
no groundwater observed at depth of
8 ft.

III. UNDERGROUND TANKS (Title 23)

- | | |
|-------------------------------|---|
| General | ___ 1. Permit Application 25284 (H&S) |
| | ___ 2. Pipeline Leak Detection 25292 (H&S) |
| | ___ 3. Records Maintenance 2712 |
| | ___ 4. Release Report 2651 |
| | ___ 5. Closure Plans 2670 |
| Monitoring for Existing Tanks | ___ 6. Method |
| | 1) Monthly Test |
| | 2) Daily Vadose
Semi-annual groundwater
One time soils |
| | 3) Daily Vadose
One time soils
Annual tank test |
| | 4) Monthly Gndwater
One time soils |
| | 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon. |
| | 6) Daily Inventory
Annual tank testing
Cont pipe leak det |
| | 7) Weekly Tank Gauge
Annual tank testing |
| | 8) Annual Tank Testing
Daily Inventory |
| | 9) Other _____ |
| New Tanks | ___ 7. Precis Tank Test 2643
Date: _____ |
| | ___ 8. Inventory Rec. 2644 |
| | ___ 9. Soil Testing . 2646 |
| | ___ 10. Ground Water. 2647 |
| | ___ 11. Monitor Plan 2632 |
| | ___ 12. Access. Secure 2634 |
| | ___ 13. Plans Submit 2711
Date: _____ |
| | ___ 14. As Built 2635
Date: _____ |

Rev 8/88

II, III

Contact: _____

Title: _____

Signature: _____

Inspector: _____

Signature: Susan F. Kuep

C A T E L L U S



93 AUG 31 PM 3:05

August 30, 1993

Mr. Richard Heitt
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

RE: Notice Regarding Containment of Hydrocarbon-Affected Soils
Yerba Buena Project, Emeryville

Dear Richard:

A letter dated June 24, 1993 from Steven Richie of the Regional Water Quality Control Board to Amanda Spencer of Levine•Fricke, indicated that the Regional Board staff has no objection to the relocation of hydrocarbon-affected soils within the project area as proposed in the Containment Plan for Petroleum Hydrocarbon-affected Soils, Yerba Buena Project Site, Emeryville and Oakland dated March 10, 1992. The letter also indicated that a notice is to be placed on the recorded deed(s) (i.e., of record for this parcel) whenever soils containing elevated levels of pollutants are contained on any affected parcel.

The purpose of this letter is to submit for review and approval the notice language which Catellus Development Corporation proposes to use for the two parcels within the Yerba Buena project in Emeryville where hydrocarbon-affected soils will be contained. The proposed notice language which will affect two parcels, Tract 6368 Parcel 2 and Tract 6368 Parcel 4 (commonly known as 3838 Hollis Street and 3839 Emery Street, respectively), is as follows:

NOTICE - Portions of the soil located beneath the building pad and parking lot of Lots 2 and 4, Tract Map 6368, Official Records of Alameda County, contain oil and diesel fuel at concentrations ranging from less than 50 parts per million (ppm) to 17,000 ppm and less than 10 ppm to 2,600 ppm, respectively. Further information is on file at the Regional Water Quality Control Board, San Francisco Bay Region offices and the Alameda County Health Agency offices. Upon recordation of written confirmation from such agencies or their successors that said hydrocarbon-affected soils have been appropriately remediated or removed, this notice will be deemed to be removed and of no further force or effect.

environ\kim\ebbnotic.ltr

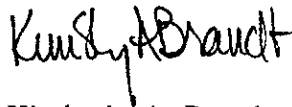
CATELLUS DEVELOPMENT CORPORATION

201 MISSION STREET, 30TH FLOOR • SAN FRANCISCO, CALIFORNIA 94105 • TEL 415 974-4500 FAX 415 974-4613

Mr. Richard Heitt
California Regional Water Quality Control Board
San Francisco Bay Region
August 30, 1993, Page 2

Please contact me at (415) 974-3705 if you have any questions or concerns regarding this notice.

Sincerely,

Handwritten signature of Kimberly A. Brandt in black ink.

Kimberly A. Brandt
Environmental Specialist

cc: Susan Hugo - Alameda County Health Agency

TANKS REMOVED 8/31/93
 STATE OF CALIFORNIA
 STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME Former M+N Warehouse (SITE IS CURRENTLY VACANT)		NAME OF OPERATOR NONE	
ADDRESS 1549 40th Street		NEAREST CROSS STREET Beach Street	PARCEL # (OPTIONAL)
CITY NAME Oakland		STATE CA	ZIP CODE ---
		SITE PHONE # WITH AREA CODE N/A	
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY SITE IS VACANT			
TYPE OF BUSINESS <input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input checked="" type="checkbox"/> 5 OTHER		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE 2
		E. P. A. I. D. # (optional) ---	

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) MADISON, WILLIAM		PHONE # WITH AREA CODE 510-652-4500	
NIGHTS: NAME (LAST, FIRST) N/A		PHONE # WITH AREA CODE	
DAYS: NAME (LAST, FIRST) STOLL, MICHAEL		PHONE # WITH AREA CODE 510-652-4500	
NIGHTS: NAME (LAST, FIRST) N/A		PHONE # WITH AREA CODE	

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME CATELLUS DEVELOPMENT CORPORATION		CARE OF ADDRESS INFORMATION Ms. KIMBERLY BRANDT	
MAILING OR STREET ADDRESS 201 Mission Street, 29th Floor		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY	
CITY NAME San Francisco		STATE CA	ZIP CODE 94105
		PHONE # WITH AREA CODE 415-974-4500	

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER CATELLUS DEVELOPMENT CORPORATION		CARE OF ADDRESS INFORMATION Ms. KIMBERLY BRANDT	
MAILING OR STREET ADDRESS 201 Mission Street, 29th Floor		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY	
CITY NAME SAN FRANCISCO		STATE CA	ZIP CODE 94105
		PHONE # WITH AREA CODE 415-974-4500	

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ **44** - [] [] [] [] [] [] [] []

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input checked="" type="checkbox"/> 99 OTHER UST being removed	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. II. III.

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) Jennifer Beatty / Jennifer Beatty / Agent	APPLICANT'S TITLE Project Hydrogeologist	DATE 8/30/93	MONTH/DAY/YEAR
LOCAL AGENCY USE ONLY for Catellus			

COUNTY # [] []	JURISDICTION # [] [] []	FACILITY # [] [] [] [] [] []
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE
			<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
			<input checked="" type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# <u>UNKNOWN</u>	B. MANUFACTURED BY: <u>UNKNOWN</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>unknown</u>	D. TANK CAPACITY IN GALLONS: <u>12,000 gallons</u>

II. TANK CONTENTS IFA-1 IS MARKED, COMPLETE ITEM C.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input checked="" type="checkbox"/> 4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN	
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED		C. A. S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	1 DOUBLE WALL	3 SINGLE WALL WITH EXTERIOR LINER	95 UNKNOWN
	<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 99 OTHER
B. TANK MATERIAL (Primary Tank)	<input checked="" type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 95 UNKNOWN
C. INTERIOR LINING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYD LINING	<input type="checkbox"/> 3 EPOXY LINING
	<input type="checkbox"/> 5 GLASS LINING	<input checked="" type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 95 UNKNOWN
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) <u>UNKNOWN</u>		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) <u>UNKNOWN</u>

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A <input checked="" type="radio"/> 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A <input checked="" type="radio"/> 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	<input checked="" type="radio"/> 95 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 INTERSTITIAL MONITORING	<input checked="" type="checkbox"/> 99 OTHER <u>unknown</u>

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>UNKNOWN</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>0</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> <u>N/A</u>
---	---	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>Jenifer Beatty Jenifer Beatty Agent/Catella</u>	DATE <u>8/30/93</u>
--	------------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
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DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # <u>UNKNOWN</u>	B. MANUFACTURED BY: <u>UNKNOWN</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>unknown</u>	D. TANK CAPACITY IN GALLONS: <u>12,000 gallons</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL <input type="checkbox"/> 2 PETROLEUM <input type="checkbox"/> 3 CHEMICAL PRODUCT	<input checked="" type="checkbox"/> 4 OIL <input type="checkbox"/> 80 EMPTY <input type="checkbox"/> 95 UNKNOWN	B. <input checked="" type="checkbox"/> 1 PRODUCT <input type="checkbox"/> 2 WASTE
C. <input type="checkbox"/> 1a REGULAR UNLEADED <input type="checkbox"/> 1b PREMIUM UNLEADED <input type="checkbox"/> 2 LEADED		
<input type="checkbox"/> 3 DIESEL <input type="checkbox"/> 4 GASAHOL <input type="checkbox"/> 5 JET FUEL <input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)		
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED		
C. A. S. #:		

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM <input type="checkbox"/> 1 DOUBLE WALL <input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER <input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
B. TANK MATERIAL (Primary Tank) <input checked="" type="checkbox"/> 1 BARE STEEL <input type="checkbox"/> 5 CONCRETE <input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 2 STAINLESS STEEL <input type="checkbox"/> 6 POLYVINYL CHLORIDE <input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 3 FIBERGLASS <input type="checkbox"/> 7 ALUMINUM <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
C. INTERIOR LINING <input type="checkbox"/> 1 RUBBER LINED <input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 2 ALKYD LINING <input checked="" type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 3 EPOXY LINING <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION <input type="checkbox"/> 1 POLYETHYLENE WRAP <input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 2 COATING <input type="checkbox"/> 91 NONE	<input type="checkbox"/> 3 VINYL WRAP <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) <u>unknown</u> OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) <u>unknown</u>		

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	<input checked="" type="radio"/> 1 SUCTION	<input type="radio"/> 2 PRESSURE	<input type="radio"/> 3 GRAVITY	<input type="radio"/> 99 OTHER
B. CONSTRUCTION	<input checked="" type="radio"/> 1 SINGLE WALL	<input type="radio"/> 2 DOUBLE WALL	<input type="radio"/> 3 LINED TRENCH	<input type="radio"/> 95 UNKNOWN <input type="radio"/> 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	<input type="radio"/> 1 BARE STEEL <input type="radio"/> 5 ALUMINUM	<input type="radio"/> 2 STAINLESS STEEL <input type="radio"/> 6 CONCRETE	<input type="radio"/> 3 POLYVINYL CHLORIDE (PVC) <input type="radio"/> 7 STEEL W/ COATING	<input type="radio"/> 4 FIBERGLASS PIPE <input type="radio"/> 8 100% METHANOL COMPATIBLE W/FRP <input type="radio"/> 99 OTHER
D. LEAK DETECTION	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 INTERSTITIAL MONITORING	<input checked="" type="checkbox"/> 99 OTHER <u>unknown</u>

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<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>unknown</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>0</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input type="checkbox"/> <u>N/A</u>
---	---	---

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>Jennifer Beatty Jennifer Beatty / agent for Cat Hous.</u>	DATE <u>8/30/93</u>
--	------------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

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LEVINE-FRICKE

FACSIMILE COVER SHEET

STD 1667

Date	8/24/93	
Time	1215	
Deliver to	SUSAN HUGO	
Name of Firm	Alameda County HEALTH AGENCY	
Fax Phone No.	569-4757	L-F Project No. 1649.16
From	Jennifer Beatty	

NUMBER OF PAGES: This cover page plus 1 page(s)

For voice contact call: (510) 652-4500
 For return Facsimile message: (510) 652-2246

Teletype Operator: _____

Any questions or inquiries about missing pages or unreadable copy,
 please call (510)652-4500

Remarks _____

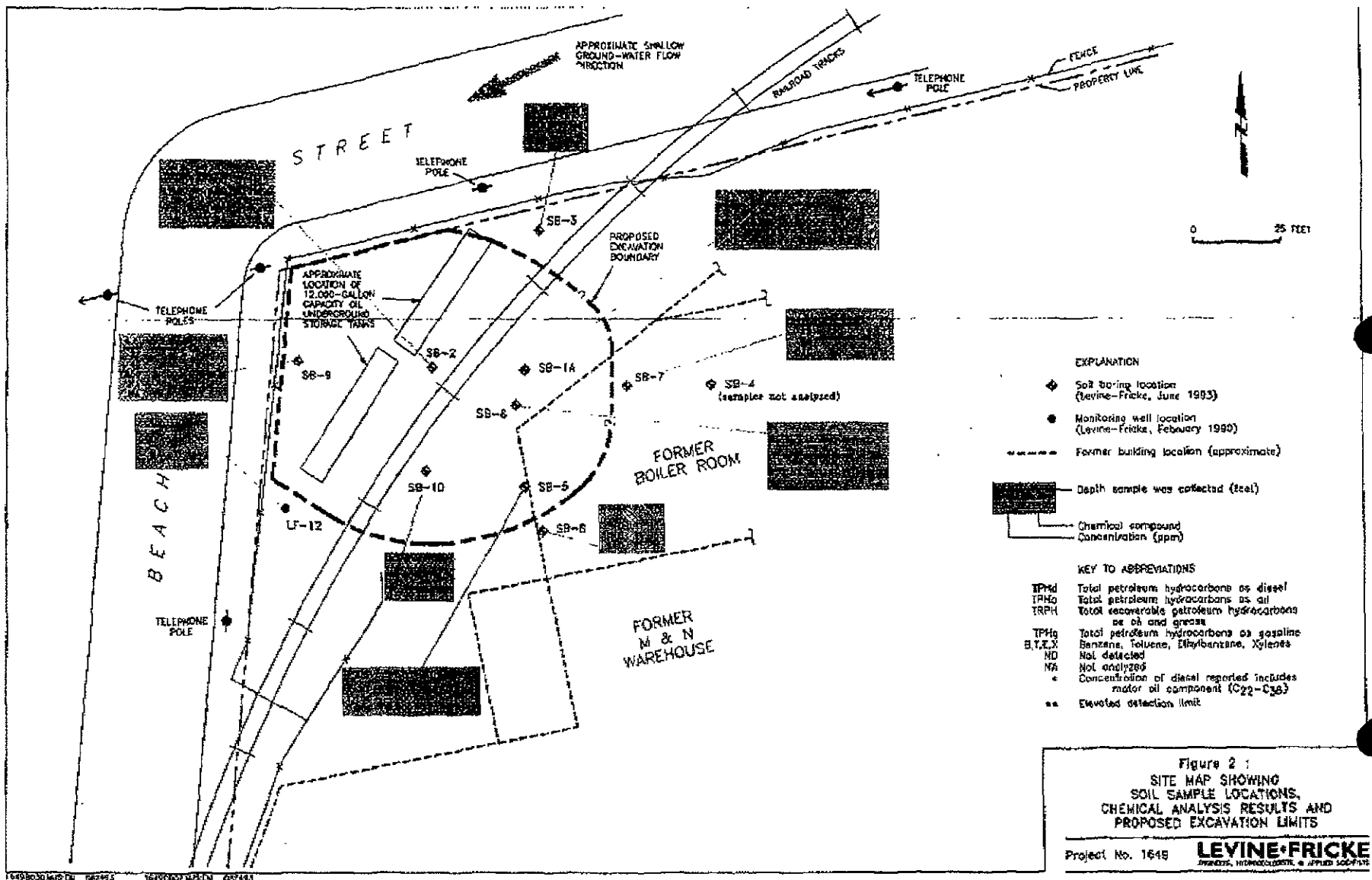
Here is a figure indicating the approximate locations
 of the two USTs out at Beach Street. We will
 drop off the 3 copies of the existing HSP for
 the site when we pick up the permit.

Thanks. ~

Call with questions ~
Jennifer Beatty

1900 POWELL STREET, 12TH FLOOR
 EMERYVILLE, CA 94608
 (510) 652-4500

Other offices in Irvine, CA; Sacramento/Roseville, CA; Tallahassee, FL; and Honolulu, HI



ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 HAZARDOUS MATERIALS DIVISION
 80 SWAN WAY, ROOM 200
 OAKLAND, CA 94621
 PHONE NO. 510/271-4320

STID 1667
 locations of 2 UGHS.

SUSAN L. HUGO

ACCEPTED
 Underground Storage Tank Closure Permit Application
 Alameda County Division of Hazardous Materials
 80 Swan Way, Suite 200,
 Oakland, CA 94621
 Telephone: (510) 271-4320

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. If the project proposed herein is now released for issuance of any required building permits for construction/destruction. One copy of the accepted plans must be on the job and available to all contractor and craftsmen involved with the removal. Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections: *
 Removal of Tank(s) and Piping
 Sampling
 Final Inspection
 Issuance of a) permit to operate, b) permanent site closure, is dependant on compliance with accepted plans and all applicable laws and regulations.

*THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS

Contact Specialist:

Please note change made on page 5. need to submit the HPI. I completed some of the Health & Safety Plan. 3) site map, identifying locations of 2 UGHS. Susan L. Hugo 8/23/93

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name Catellus Development Corporation ✓
 Business Owner Same as Above
2. Site Address 1549 40th Street ✓
 City Emeryville Zip 94608 Phone N/A
3. Mailing Address 201 Mission Street, 30th Floor
 City San Francisco Zip 94105 Phone (415) 974-4500
4. Land Owner Catellus Development Corporation ✓
 Address 201 Mission St, 30th Floor City, State San Francisco, CA Zip 94105 ✓
5. Generator name under which tank will be manifested _____
Catellus Development Corporation ✓
 EPA I.D. No. under which tank will be manifested CAD 983585746 ✓

6. Contractor Trumpf Bros. Inc.
Address 1540 Industrial Ave
City San Jose, CA Phone (408) 292-0820
License Type* A, B, C21, H ID# ~~77-0121947~~ ✓ 676168
70P. 5/21/94

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant Levine-Fricke Inc.
Address 1900 Powell St, 12th Floor
City Emeryville Phone (510) 652-4500

8. Contact Person for Investigation
Name Michael Stoll Title Project Engineer
Phone (510) 652-4500

9. Number of tanks being closed under this plan 12 ✓
Length of piping being removed under this plan unknown
Total number of tanks at facility 12

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled **
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name Evergreen Environmental Services EPA I.D. No. CAD 980695761
Hauler License No. 0242 License Exp. Date 7/31/94
Address 6880 Smith Ave.
City Newark state CA zip 94560

b) Product/Residual Sludge/Rinsate Disposal Site

Name Evergreen Environmental Services EPA I.D. No. CAD 980887418
Address 6880 Smith Ave.
City Newark state CA zip 94560

c) Tank and Piping Transporter

Name Erickson, Inc. ✓ EPA I.D. No. CAD 009466392
Hauler License No. 0019 License Exp. Date 5/31/94
Address 255 Parr Blvd.
city Richmond state CA zip 94801

d) Tank and Piping Disposal Site

Name Erickson, Inc. ✓ EPA I.D. No. CAD 009466292
Address 255 Parr Blvd.
city Richmond state CA zip 94801

11. Experienced Sample Collector

Name Michael Stoll
Company Levine-Fricke Inc.
Address 1900 Powell Street, 12th Floor
city Emeryville state CA zip 94608 Phone (510) 652-4500

12. Laboratory

Name Anamatrix Inc.
Address 1961 Concourse Drive, Suite E
city San Jose state CA zip 95131
State Certification No. 1234

13. Have tanks or pipes leaked in the past? Yes [] No [] Unknown [X]

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

Residual liquids in the tank will be pumped out prior to excavation
and dry ice will be added to purge aromatic hydrocarbons.
A gas meter will be maintained on site throughout the excavation to
insure that the tank is inert.

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
✓ 12,000 gallons each (estimated)	Unknown - it is suspected to have stored oil. Tank was noted on a 1911 Sanborn Fire Insurance Map - no other information regarding historical usage is known.	Soil Water (if encountered)	No deeper than 2' beneath both ends of the tank and middle (3 samples) 1 sample from the tank excavation

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) N/A	Sampling Plan Tank is located within an area already being excavated on the Site. Soils excavated during tank removal activities will be characterized along with other excavated soils at rates consistent with our Work Plan or 1 ^{composite} Sample per 100-150 cubic yards

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
Oil + Grease		SM 5520 EF SM 5520 BF	Anometry Inc. 30 ppm - Soil 50 ppm - Water
TPH diesel	3550	GC FID, Mod EPA 8015	10 ppm - Soil 50 ppb - Water
TPH gasoline	5030	GC FID, Mod EPA 8015	0.5 ppm - Soil 50 ppb - Water
BTEX CL HC	5030	GC FID, EPA 8020 8010 or 8240	0.005 ppm - soil 0.5 ppb - water
Metals - Cd, Cr, Pb Zn Ni		AA or SCAP	

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer Fremont Indemnity Co.

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions) - N/A

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) GARY TRUMPP

Signature [Handwritten Signature]

Date 8-23-93

Signature of Site Owner or Operator

Name (please type) KIMBERLY BRANDT AGENT FOR CATELLUS

Signature [Handwritten Signature]

Date 8/23/93

ACORD CERTIFICATE OF INSURANCE		ISSUE DATE (MM/DD/YY)			
PRODUCER Rolling Hudig Hall 1737 N. First St., Ste. 400 San Jose, CA 95112 Carlyn Eaton/Jeff Aber 408-438-7180		8/30/93 THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.			
COMPANIES AFFORDING COVERAGE					
COMPANY LETTER	A	Transcontinental			
COMPANY LETTER	B	Transportation			
COMPANY LETTER	C	Fremont Indemnity Co.			
COMPANY LETTER	D				
COMPANY LETTER	E				
INSURED Trumpp Brothers Inc. 1840 Industrial Avenue San Jose CA 95112					
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES, LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS					
CLASSIFICATION	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	<input checked="" type="checkbox"/> GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS MADE <input checked="" type="checkbox"/> OCCUR. <input checked="" type="checkbox"/> OWNER'S & CONTRACTOR'S PROT.	CO121630102	7/01/93	7/01/94	GENERAL AGGREGATE \$ 2000000
					PRODUCTS-COMP/OP AGG. \$ 1000000
					PERSONAL & ADV INJURY \$ 1000000
					EACH OCCURRENCE \$ 1000000
					FIRE DAMAGE (Any one fire) \$ 50000
					MED EXPENSE (Any one person) \$ 5000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> GARAGE LIABILITY	121630133	7/01/93	7/01/94	COMBINED SINGLE LIMIT \$ 1000000
					BODILY INJURY (Per person) \$
					BODILY INJURY (Per accident) \$
					PROPERTY DAMAGE \$
					EACH OCCURRENCE \$
					AGGREGATE \$
C	<input type="checkbox"/> EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM	WP9253353301	7/01/93	7/01/94	STATUTORY LIMITS
	<input checked="" type="checkbox"/> WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY				EACH ACCIDENT \$ 1000000
					DISEASE-POLICY LIMIT \$ 1000000
					DISEASE-EACH EMPLOYEE \$ 1000000
	OTHER				
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS					
01 Alameda County Health Care Dept Environmental Health 80 Swan Way, Rm. 200 Oakland, CA 94621			CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.		
			AUTHORIZED REPRESENTATIVE 001037000		
ACORD 25 (7/88) © ACORD CORPORATION 1988					

ALAMEDA COUNTY, DEPARTMENT OF
ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

II, III

white -env.health
yellow -facility
pink -files

Site ID # 1667 Site Name YERBA Buena Project Today's Date 8/31/93

Site Address 1549 Ash St formerly M&N Co
City Oakland Zip 94608 Phone _____

- II.A BUSINESS PLANS (Title 19)**
- ___ 1. Immediate Reporting 2703
 - ___ 2. Bus. Plan Stds. 25503(b)
 - ___ 3. RR Cars > 30 days 25503.7
 - ___ 4. Inventory Information 25504(a)
 - ___ 5. Inventory Complete 2730
 - ___ 6. Emergency Response 25504(b)
 - ___ 7. Training 25504(c)
 - ___ 8. Deficiency 25505(a)
 - ___ 9. Modification 25505(b)

- II.B ACUTELY HAZ MATLS**
- ___ 10. Registration Form Filed 25533(a)
 - ___ 11. Form Complete 25533(b)
 - ___ 12. RMPP Contents 25534(c)
 - ___ 13. Implement Sch. Req'd? (Y/N) _____
 - ___ 14. OffSite Conseq. Assess. 25524(c)
 - ___ 15. Probable Risk Assessment 25534(d)
 - ___ 16. Persons Responsible 25534(g)
 - ___ 17. Certification 25534(f)
 - ___ 18. Exemption Request? (Y/N) 25534(b)
 - ___ 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- General**
- ___ 1. Permit Application 25284 (H&S)
 - ___ 2. Pipeline Leak Detection 25292 (H&S)
 - ___ 3. Records Maintenance 2712
 - ___ 4. Release Report 2651
 - ___ 5. Closure Plans 2670

- Monitoring for Existing Tanks**
- ___ 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
 - Semi-annual groundwater
 - One time soils
 - 3) Daily Vadose
 - One time soils
 - Annual tank test
 - 4) Monthly Groundwater
 - One time soils
 - 5) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/groundwater man.
 - 6) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank testing
 - 8) Annual Tank Testing
 - Daily Inventory
 - 9) Other _____

- ___ 7. Precip Tank Test 2643
 - Date: _____
- ___ 8. Inventory Rec. 2644
- ___ 9. Soil Testing 2646
- ___ 10. Ground Water. 2647

- New Tanks**
- ___ 11. Monitor Plan 2632
 - ___ 12. Access. Secure 2634
 - ___ 13. Plans Submit 2711
 - Date: _____
 - ___ 14. As Built 2635
 - Date: _____

Rev 6/88

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- ___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 - ___ II. Business Plans, Acute Hazardous Materials
 - III. Underground Tanks
- 2 UGTS 10,000 gallons removed unknown history

Calif. Administration Code (CAC) of the Health & Safety Code (HS&C)

Comments:

Fire Inspector - Gary Collins on site
Jennifer Beatty, Mike Hole, William [unclear]
Unit #1 LEL = 1%, O2 = 17%. Had 4 Big holes at [unclear]
Unit #2 LEL = 0%, O2 = 19.6%

Both tanks are steel; corrosion visible
Ericksen - disposal site
Manifest # 92289021 #1 Tank
Manifest # 92302280 #2 Tank

2 Baker Tanks on site

3 Soil samples collected one from each end & one from the middle.

II, III

Contact: Michael Stoll
Title: Project Engineer
Signature: Michael Stoll

Inspector: _____
Signature: Susan L. Hugo

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Inspection Form

II, III

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 2703
- ___ 2. Bus. Plan Stds. 25503(b)
- ___ 3. RR Cars > 30 days 25503.7
- ___ 4. Inventory Information 25504(a)
- ___ 5. Inventory Complete 2730
- ___ 6. Emergency Response 25504(b)
- ___ 7. Training 25504(c)
- ___ 8. Deficiency 25505(a)
- ___ 9. Modification 25505(b)

II.B ACUTELY HAZ. MATLS

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMPP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N)
- ___ 14. OHSite Conseq. Assess. 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(f)
- ___ 18. Exemption Request? (Y/N) 25536(b)
- ___ 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- | | |
|--------------------------------------|---|
| General | ___ 1. Permit Application 25284 (H&S) |
| | ___ 2. Pipeline Leak Detection 25292 (H&S) |
| | ___ 3. Records Maintenance 2712 |
| | ___ 4. Release Report 2651 |
| | ___ 5. Closure Plans 2670 |
| Monitoring for Existing Tanks | ___ 6. Method |
| | 1) Monthly Test |
| | 2) Daily Vadose
Semi-annual gndwater
One time soils |
| | 3) Daily Vadose
One time soils
Annual tank test |
| | 4) Monthly Gndwater
One time soils |
| | 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon. |
| | 6) Daily Inventory
Annual tank testing
Cont pipe leak det |
| | 7) Weekly Tank Gauge
Annual tank testing |
| | 8) Annual Tank Testing
Daily Inventory |
| | 9) Other _____ |
| New Tanks | ___ 7. Precls Tank Test
Date: _____ 2643 |
| | ___ 8. Inventory Rec. 2644 |
| | ___ 9. Soil Testing 2646 |
| | ___ 10. Ground Water. 2647 |
| | ___ 11. Monitor Plan 2632 |
| | ___ 12. Access. Secure 2634 |
| | ___ 13. Plans Submlt
Date: _____ 2711 |
| ___ 14. As Built
Date: _____ 2635 | |

Site ID # 1667 Name Yerba Buena / Catalina Today's date 10/1/93
 Site Address Southeast intersection of Yerba Buena & Hellis
 City Emeryville Zip 94608 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?
8:00 - 12:00 2000 G
 Inspection Categories:
 I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 II. Business Plans, Acute Hazardous Materials
 III. Underground Tanks
LEL 1% & 0% O2 = 1500 G

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:
2000 G & 1500 G
UGT Removal - 2 heating fuel tanks
Emeryville Fire Dept. (Paul Anthony)
Levine Truck - (G. Beatty William Matheson
Mike Stahl)
Erickson Hauler, April 94 exp.
Tank Manifest # = 93201537 for 2000 G for
Tank Manifest # = 92202496 for 1500 G for
no groundwater will be collected - monitoring
well will be installed near the tank & cavity
Soil samples collected after overexcavate
One from each sidewall & one from bottom
Analyze for heating oil constituents
TPH, TOG & BTEX. Tanks had coils
inside
The tanks appear to be in good shape. Strong
oil staining around the tank surface.
One bottom sample was collected at 146 g/s
appeared to be contaminated, strong soil
discoloration, OVM reading)
one soil sample (east wall) at 8 ft g/s
These two soil samples send also to Lab III

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Contact: _____
 Title: _____
 Signature: _____
 Inspector: _____
 Signature: Susan L. Hugo

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

August 4, 1993
STID# 1667

Ms. Jenifer Beatty
Levine Fricke
1900 Powell Street, 12th Floor
Emeryville, California 94608

RE: Catellus - Yerba Buena Project , Emeryville

Dear Ms. Beatty:

As per your request, this letter documents the verbal approval for abandoning and replacing of monitoring wells as discussed during our June 2, 1993 meeting.

This office concurs with the scope of work included in the " Work Plan for Site Characterization and Remediation Activities to be Conducted in Conjunction with the Proposed Site Development, Yerba Buena/East Baybridge Project Site" dated April 28, 1993 and prepared by Levine Fricke.

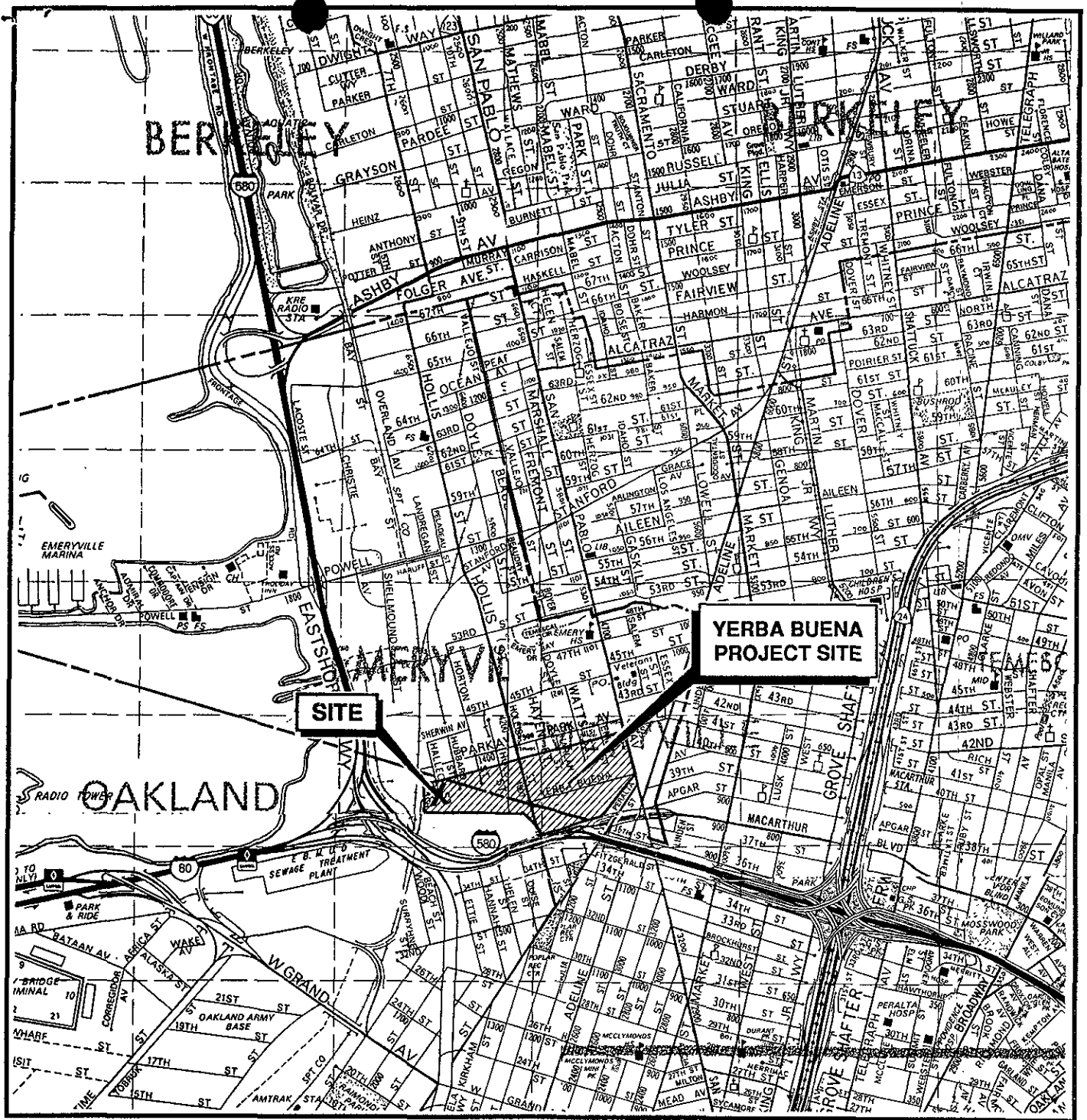
Also discussed during our meeting was the requirement of a Notice to be placed on the recorded deed(s) of affected parcel where soils with elevated levels of pollutants are contained. It is my understanding that Catellus is working on this issue.

Should you have any questions regarding this letter, please contact me at (510) 271-4530.

Sincerely,

Susan L. Hugo
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health
Rich Hiett, San Francisco Bay RWQCB
Edgar B. Howell, Chief, Hazardous Materials Division / file
Kimberly Brandt, Catellus Development Corporation
201 Mission Street, Suite 202
San Francisco, California 94105



MAP SOURCE:
 Thomas Bros. Map
 Alameda and Contra Costa Counties
 1992 EDITION

Figure 1: SITE LOCATION MAP

LEVINE-FRICKE, INC.

HSP APPROVAL REQUEST FORM

PROJECT AND SECTION NUMBER 1649.14

OFFICE NAME Emeryville, California

PACKAGE PREPARER NAME AND TITLE Michael Stoll, Project Geotechnical Engineer

CLIENT NAME Catellus Development Corporation

CLIENT ADDRESS 201 Mission Street, San Francisco, CA

CLIENT CONTACT Ms. Kimberly Brandt

START DATE OF PROJECT 9/94 DURATION OF PROJECT 1 to 2 weeks

NAME AND TITLE OF PROJECT MANAGER Jenifer Beatty, Project Hydrogeologist or Ron Kolobow

COMMENTS This HSP is designed to address the following tasks scheduled at the site: UST removal, soil sampling, ground-water sampling, and excavation/backfilling observation.

APPROVED BY (PRINT NAME AND TITLE) SHARI A. SAMUELS

APPROVAL SIGNATURE [Signature] HEALTH: SAFETY DATE 7/14/93

OTHER APPROVALS IF NEEDED

SIGNATURE TITLE DATE

SIGNATURE TITLE DATE

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FIGURE 1: HOSPITAL ROUTE MAP TO THE SUMMIT MEDICAL CENTER

9/24

LF 1649.14

**REMOVAL OF ONE UNDERGROUND STORAGE
TANK AND ASSOCIATED PIPING FROM THE *Construction site @*
40 m / 131 ft in EMERYVILLE, CALIFORNIA
HEALTH AND SAFETY PLAN**

1.0 PURPOSE

This document defines the Health and Safety considerations for the possible management of hazardous substances by Levine-Fricke personnel and subcontractors. This document is required by Levine-Fricke policies and procedures and may be required by OSHA 29 CFR 1910.120. The basic requirements for the health and safety of the project workers are delineated in the Levine-Fricke Health and Safety Procedures. All personnel on site will be informed about the pertinent sections of the HSP.

2.0 PROJECT STAFFING

PROJECT MANAGER	Jenifer Beatty or Ron Goloubow
SITE SAFETY OFFICER	Michael Stoll
EMERGENCY COORDINATOR	Michael Stoll

3.0 SCOPE OF WORK

CHECK OFF APPROPRIATE CATEGORIES (MORE THAN ONE MAY APPLY)

- | | | | |
|---|--------------------------------------|---|-----------------|
| X | TANK EXCAVATION | X | SOIL SAMPLING |
| X | SOIL EXCAVATION | o | ASBESTOS |
| o | POND CLEANUP | o | ON-SITE STORAGE |
| o | BUILDING DECONTAMINATION | o | CONSTRUCTION |
| o | MONITORING WELL INSTALLATION | o | DEMOLITION |
| o | ON-SITE TREATMENT SOIL | o | VAPOR SAMPLING |
| X | GROUND-WATER SAMPLING | o | OTHER _____ |
| o | ON-SITE TREATMENT OF
GROUND WATER | | |

Field activities at the Site relate to the removal of one underground storage tank. Levine-Fricke will observe the excavation of the tank. The tank will be removed by a subcontractor to Levine-Fricke using a backhoe. Levine-Fricke personnel will collect soil samples from the excavation limits. In addition, if ground-water is present in the excavation, a grab sample will be collected. Upon completion of sample collection activities, the excavation will be backfilled to grade.

4.0 HAZARD EVALUATION

A. **PHYSICAL HAZARDS (TRENCHES, UTILITIES, TERRAIN, ETC.)**
 The use of heavy equipment at the Site poses potential physical hazards. Excavations pose a hazard for personnel around and entering the excavation.

B. **CHEMICAL CONTAMINANTS AND HIGHEST CONCENTRATIONS DETECTED IN SOIL OR GROUND-WATER AT THE SITE**

NAME OF MATERIAL	CONC. in ppm	TLV/PEL	ACTION LEVEL	MSDS AVAILABLE	HAZARD TO PERSONNEL
Oil and Grease					

CARCINOGENS?
 YES NO

IF YES, LIST --

4.1 Task Specific Hazards

TASK Soil Sampling, UST and Soil Excavation Observation

1. Noise and other hazards associated with the operation of heavy equipment.
2. Workers will not enter unsupported/non-sloped excavations deeper than 4 feet. All requirements pursuant to 29 CFR 1926.651 and 652, Excavations, Trenching and Shoring, shall be observed.

TASK Ground-Water Sampling

1. Workers will not enter unsupported/non-sloped excavations deeper than 4 feet. All requirements pursuant to 29 CFR 1926.651 and 652, Excavations, Trenching and Shoring, shall be observed.

5.0 PROJECT MANAGEMENT

CREW SIZE

PROJECT MANAGER
CHEMIST
SITE SAFETY OFFICER

Jenifer Beatty
Doug Lipton
Michael Stoll and/or
Shellie Fletcher

5.1 Subcontractors

Excavation contractors (. Trumpf) General Contractors of San Jose, California) with 40 hour OSHA training will complete the scheduled tasks.

6.0 MATERIAL HANDLING EQUIPMENT

(PROVIDE DETAILS, E.G., QUANTITIES AND TYPES)

_____	<input type="radio"/>	DRUM DOLLY	_____
_____	<input type="radio"/>	PUMPS	_____
_____	<input type="radio"/>	FORK TRUCK	_____
_____	<input type="radio"/>	MAN LIFT	_____
<u> 2 </u>	<input checked="" type="radio"/>	HEAVY EQUIP.	backhoe/excavator to remove UST/soil and soil, compactor to compact the backfill soils
_____	<input type="radio"/>	CRANE	_____
<u> 1 </u>	<input checked="" type="radio"/>	VACUUM TANKER	Licensed hauler for UST contents
_____	<input type="radio"/>	AIR COMPRESSOR	_____

7.0 REPORTING AND RECORDKEEPING

7.1 General

Recordkeeping shall be consistent with OSHA regulations in all respects. The following records will be maintained in the Corporate Health and Safety Director's Office, the local Levine-Fricke Office and/or at the site:

- The Health and Safety Log--The log documents the Site Safety officer's daily activities pertaining to site health and safety compliance.
- OSHA 200 Log and Summary of Occupational Injuries and Illnesses--Current within 72 hours. Will be maintained in the appropriate local office and Health and Safety Director's office.
- Respirator Fit Test Records
- Training and Medical Certificates
- Tailgate Safety Meeting Records

8.0 ENVIRONMENTAL SAMPLING

SAMPLING REQUIRED X YES o NO

SOIL SAMPLING

EQUIPMENT USED A mallet will be used to drive brass tubes into the soil.

WATER/LIQUID SAMPLING

EQUIPMENT USED A disposable sampling bailer will be used to collect the ground-water sample (if required) from the excavation.

9.0 TRAINING

LEVINE-FRICKE CREW RECEIVED INITIAL 40-HOUR TRAINING

X YES o NO

IF NO, WHY? _____

SUBCONTRACTOR RECEIVED REQUIRED TRAINING

X YES o NO contractors have received the required training

IF NO, WHY? _____

SAFETY BRIEFINGS ARE HELD EACH SHIFT

WHO CONDUCTS MEETING? The Levine-Fricke SSO

WHERE ARE RECORDS STORED? Levine-Fricke project files

10.0 MEDICAL REQUIREMENTS

ENTIRE CREW RECEIVED BASELINE PHYSICAL EXAMINATIONS

X YES NO

IF NO, WHY? _____

SPECIAL TESTS REQUIRED None

11.0 CONTAMINATION CONTROL

- The job site is partitioned into three distinct zones: clean zone, contamination reduction zone, and exclusion zone.
- Workers may only enter and exit from the exclusion zone via the contamination reduction zone.
- Only authorized personnel are allowed to enter the exclusion or the contamination reduction zone.
- Section 16 includes a site map defining the zones.
- Section 17 describes the personnel and equipment decontamination procedures.

12.0 WORKER PROTECTION

12.1 Personal Protective Equipment

1. WORK TASK DESCRIPTION soil and ground-water sampling, UST and soil excavation observation
2. LEVEL A B C D
3. RESPIRATORY PROTECTION No
4. PROTECTIVE CLOTHING

X HARD HAT

EYE PROTECTION

- X SAFETY GLASSES WITH SIDE SHIELDS
- CHEMICAL RESISTANT GOGGLES
- FACE SHIELD
- OTHER _____

BODY PROTECTION Not Applicable

GLOVES -when sampling

- LATEX
- SURGICAL RUBBER
- VITON
- X PVC
- NEOPRENE
- NEOPRENE (MILLED)
- SILVERSHIELD
- LEATHER
- COTTON
- OTHER _____

BOOTS

- X LEATHER - STEEL TOED
- PVC - STEEL TOED
- NEOPRENE - STEEL TOED
- PVC BOOTIES
- TYVEK BOOTIES
- OTHER _____

HEARING PROTECTION

- EAR MUFFS
- X EAR PLUGS
- OTHER _____

12.2 General Safety Equipment

- SAFETY SHOWER
 - EYEWASH
 - X BARRIERS
 - WARNING SIGNS
 - X BARRIER TAPE
 - WATER/GATORADE
 - DECON BARRELS
 - LIGHTING
 - LIFELINE/HARNESS
 - EXTRACTION DEVICE
 - AIR HORNS
-

X FIRE EXTINGUISHERS --to be supplied by the contractor and Levine•Fricke.

COMMUNICATION SYSTEMS-- Mobile cellular telephone on site for emergency use and pagers for Levine•Fricke personnel

SANITARY FACILITIES --Potable water will be brought to the site by Levine•Fricke personnel. Toilets are available at nearby Levine•Fricke sites or at the Levine•Fricke maintenance facility.

13.0 PERSONNEL MONITORING PLAN

AIR MONITORING REQUIRED . Yes NO

EXPLAIN STRATEGY Air monitoring is not required, however a Photoionization detector will be used to monitor volatile organic chemical concentrations in the breathing zone. If ambient air concentrations of VOCs in the breathing zone reach 25 parts per million (ppm) or greater, personnel shall upgrade to Level C using half-face air-purifying respirators equipped with NIOSH-approved high efficiency particulate/organic vapor combination cartridges.

SAMPLING EQUIPMENT

- COMBUSTIBLE GAS/OXYGEN METER
- DRAEGER TUBES
- PHOTOIONIZATION DETECTOR
- FLAME IONIZATION DETECTOR
- INFRARED DETECTOR
- AEROSOL MONITOR
- SAMPLING PUMPS
- AND MEDIA _____

OTHER _____

HEAT STRESS MONITORING YES NO

NAMES OF MONITORING TECHNICIANS

Michael Stoll and/or Shellie Fletcher

LOCATION OF MONITORING RECORDS Levine-Fricke project files

14.0 SITE SAFETY OFFICER RESPONSIBILITIES

The Site Safety Officer (SSO) or Designee will enter before any work begins and will verify that the established zones are identified and escape routes are clear.

The daily site entry procedure will include the following:

- Determine the wind direction and stay appraised of it throughout the stay. Identify the direction during the tailgate safety meeting or informally with each affected employee.
- Confirm the proper placement of emergency information and operational status of equipment and the decontamination facility.
- Monitor the air as necessary for conditions that may cause injury or exposure and record all data.
- Visually observe for signs of actual or potential life- or health-threatening hazards.
- Note physical conditions of the site. Determine potential exposure pathways.
- Use survey tape or markers to identify new boundaries of the zones.
- Document site activities in a daily log. Record observations related to field conditions and the site.

15.0 GENERAL SAFE WORK PRACTICES

- All accidents and incidents must be reported to the supervisor immediately.
- All defects/malfunctions which appear during the course of the work shift must be reported to the supervisor.
- No eating, drinking, smoking, chewing tobacco or gum is allowed in the exclusion or contamination reduction zones.
- Employees shall inform their supervisors of any prescription medications they are using while at work that can affect their abilities.
- Employees shall not show up for work under the influence or in possession of alcohol or illicit drugs.
- Only Levine-Fricke-approved personal protective equipment shall be used by Levine-Fricke employees.
- Employees shall not remove or disturb any covering, guards, or safety devices placed on vehicles, gears, or other moving equipment or machinery, except to perform maintenance or repairs. Work on the equipment shall not commence until the equipment has been deactivated, sources of energy are removed, and controls are locked and tagged out.
- Before starting any vehicle or machinery, or turning on electricity, gas, steam, or air, employees will check the entire area to ensure that it is safe to proceed with the work. Out of service or locked out equipment is not to be started by anyone unless authorized by a supervisor.
- Employees shall maintain good housekeeping of the facilities and remove or dispose of all unnecessary materials.
- Special operations, including confined space entry, hot work, and decommissioning of equipment for repairs, require permits to be signed by authorized personnel. A description of the procedures will be included as an appendix.

- Trenching or excavations must be shored or sloped or appropriately prepared as required by OSHA standards. A description of the techniques to be used is included as an appendix, if appropriate.

16.0 WORK ZONE MAP

(Can be completed on site during the first working day.)

17.0 DECONTAMINATION PROCEDURES

PERSONNEL DECONTAMINATION PROCEDURES-- Disposable gloves, sampling equipment and other disposable clothing or equipment worn by Levine-Fricke personnel will be placed in a suitable disposal container on site at the end of each work day. Protective clothing will be replaced if its protective function is compromised through holes or tears.

EQUIPMENT DECONTAMINATION PROCEDURES-- Equipment that comes in contact with on-site soils or ground-water that apparently contain chemicals identified at the site will be brushed off before removal from the site area.

LAUNDERING PROCEDURE FOR WORK CLOTHES-- Wash separately.

18.0 LEVINE-FRICKE INTERNAL CALL LIST

IN THE EVENT OF INJURY, FIRE, EXPLOSION, SPILL, RELEASE, OR OTHER NONROUTINE EVENTS, IMMEDIATELY CONTACT ONE OF THE FOLLOWING PEOPLE, IN THIS ORDER:

1. *Jane Dockerty* (510) 652-4500
2. " " (510) 652-4500
3. Michael Stoll (510) 652-4500
4. Jenifer Beatty (510) 652-4500

19.0 HAZARDOUS WASTE OPERATIONS CONTINGENCY PLAN

GENERATOR'S NAME: Catellus Development Corporation

OWNER'S NAME: SAME

WORK LOCATION: Construction site 40th @ Hollis in Emeryville CA

CONTACT: Ms. Kimberly Brandt PHONE #(415) 974-4500
(Catellus)

LEVINE-FRICKE PROJECT MANAGER: Jenifer Beatty or ^{or} Ron Golubow

19.1 General Injury

- Step 1: Use first-aid kit on site, if appropriate.
- Step 2: Use off-site medical help and/or assistance if appropriate.
- Step 3: Notify SSO, On-Site Project Manager, and Health and Safety Director.

19.2 Specific Treatments

- Eye Exposure: Flush eye with eye wash, contact ambulance.
- Skin Exposure: Wash immediately with soap and water; contact ambulance, if appropriate.
- Fire (localized): Use fire extinguisher and activate alarm system, if appropriate.
- Fire (uncontrolled): Call Fire Department.
- Chemical Spill: Contact Fire Department and National Response Center for Toxic Chemical and Oil Spills.
- Explosion: Contact Fire Department if potential for additional explosions or fire danger exists.
- Inhalation: Move person to clean air and cover source of chemicals, if possible.
- Swallowing: Contact ambulance service.

EMERGENCY PHONE NUMBERS:

- POLICE 911
- FIRE 911

Hazardous Materials Release Response/Reporting

- National Response Center 1-800-424-8802
- California Office of Emergency Services 1-800-852-7550

Toxics Information

- CHEMTREK 1-800-424-6699
- Poison Control Center 1-415-476-6600
- AMBULANCE 911
- HOSPITAL
Emergency Room 1-510-204-1303
Alta Bates Hospital
2450 Ashby Avenue
Berkeley, California

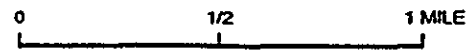
See attached map for route to hospital.

20.0 CONTRACTOR AND SUBCONTRACTOR AGREEMENTS

Contractor and Subcontractor Agreements:

1. Contractor certifies that the following personnel to be employed on the Site adjacent to 3819 San Pablo Avenue, Emeryville have met the Hazards and Protection requirements of the OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) and other applicable standards.
2. Contractor certifies that, in addition to meeting the OSHA requirements, she/he has received a copy of this HSP and will insure that the employees and subcontractors of the Contractor are informed, and will comply with both OSHA requirements and the guidelines in this HSP.
3. Contractor further certifies that she/he has read, understands, and will comply with all provisions of this HSP and will not hold Levine-Fricke responsible or liable for any injury or health problems that may occur.

Contractor Personnel	Training/ Certification/ Medical Examination	Signature	Date
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



MAP SOURCE:
 Thomas Bros. Map
 Alameda and Contra Costa Counties
 1992 EDITION

Figure 1: SITE LOCATION MAP

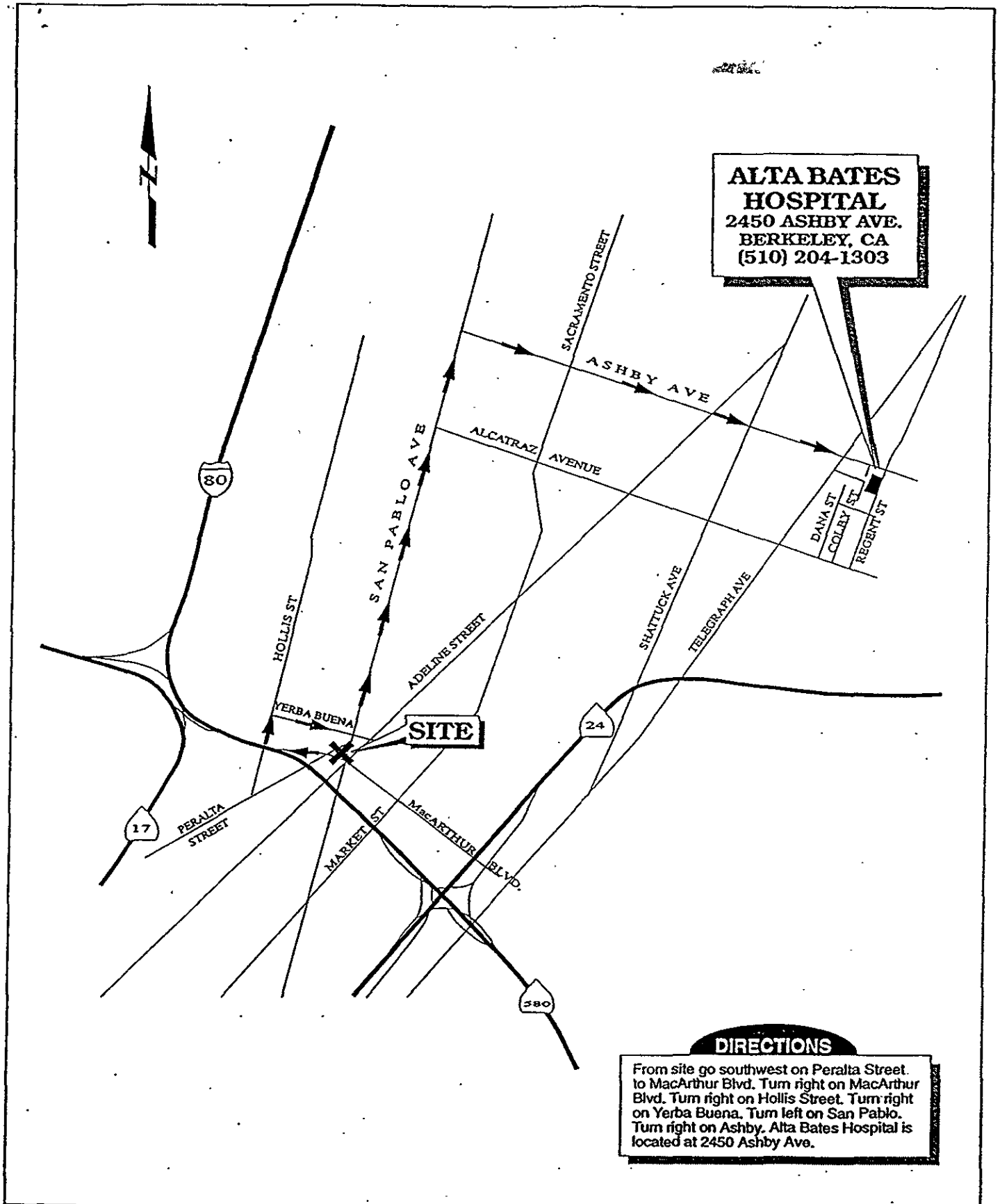


Figure 2 : HOSPITAL ROUTE MAP

LAW OFFICES

BELL, ROSENBERG & HUGHES

1300 CLAY STREET, SUITE 1000

P.O. BOX 70220 STATION "D"

OAKLAND, CALIFORNIA 94612-0220

HOWARD H. BELL
ROBERT ROSENBERG
ROGER M. HUGHES
JAMES C. NELSON
CATHERINE M. FISHER
JOHN H. BANISTER
ROLAND NIKLES
TERESA JENKINS MAIN
HOWARD G. CURTIS

JAMES DUNLAVEY
RETIRED

TELEPHONE
(510) 832-8585

TELECOPIER
(510) 839-6925

May 13, 1993

9-6 PM

Susan Hugo
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

Re: Yerba Buena Site
Levine-Fricke Reports

Dear Ms. Hugo:

This is to confirm that we are scheduled to come in and copy documents on May 20, 1993, at 9:00 am. I have arranged for Night Rider, who will be doing the copying, to arrive at that time. I will be there as well, briefly, to review what you have, and make sure the Night Rider people know what they are doing.

As you requested, here is a list of the documents we would like to copy:

- ✓ 10/26/90 Phase I & Phase II Environmental Investigations (Revised)
- ✓ 2/6/91 Phase III Environmental Investigation
- ✓ 2/11/91 Site Remedial Plan
- ✓ 5/6/91 Results of Fish Bioassay--TPH Affected Soils
- ✓ 5/8/91 Health & Safety Plan for Soil Remediation Activities
- ✓ 9/6/91 Additional Groundwater Investigations
- ✓ 11/19/91 Report on Soil Remediation Activities
- ✓ 12/6/91 Sampling & Analysis Plan for Quarterly Groundwater Monitoring
- ✓ 3/10/92 Containment Plan for Total Petroleum Hydrocarbon Affected Soils
- ✓ 4/15/92 Work Plan for Groundwater Investigations
- ✓ 4/30/92 Quarterly Monitoring Report January - March, 1992
- ✓ 7/31/92 Quarterly Monitoring Report April - June, 1992
- ✓ 8/4/92 Groundwater Investigations
- ✓ 9/15/92 Work Plan to Install One Monitoring Well & Conduct Quarterly Monitoring
- ✓ 12/21/92 Soil Remediation Activities Report

Ms. Hugo
May 13, 1993
Page 2

✓ 1/29/93 Quarterly Monitoring Report October - December,
1992
✓ 4/12/93 Quarterly Monitoring Report January - March, 1993
✓ 4/28/93 Work Plan for Site Characterization and Remediation
✓ 1992-93 Correspondence Files

Thank you for your assistance in this. If you have any additional questions, please feel free to call me.

Very truly yours,

BELL, ROSENBERG & HUGHES



Tom Hilton-Gray
Legal Assistant

THG:thg

Alameda County Department of Environmental Health
Hazardous Materials Division
 80 Swan Way, Rm. 200, Oakland, CA 94621
 Ph: 510-271-4320

BILLING FOR SERVICES

STID# 1667

A. Site Name RANSOME CO. Phone _____
 Site Address 4030 Hollis Street. Emeryville 94608
(If no address, description of area) Number Street City Zip
 Prior Business Name _____ Prior Owner's Name _____

B. Service Requestor William Waddell Long & Levit (415) 397-2222
Contact Person Company Name Phone
 Billing Address 101 California St. Suite 2300, San Francisco 94111
Number Street City Zip

<u>Category of Service</u>		#Hours	x \$	/Hr	\$
<input checked="" type="checkbox"/> Site Search		6		75	\$ 450. ⁰⁰
<input type="checkbox"/> File Search					
<input type="checkbox"/> Other					
		#Copies	x \$	/Copy	\$
		452		1.00	\$ 452.00
					TOTAL CHARGE: \$ <u>902.00</u>

REMARKS: _____

WILLIAM E. WADDELL
ATTORNEY AT LAW

LONG & LEVIT
 TELEPHONE: (415) 397-2222
 101 CALIFORNIA STREET, SUITE 2300
 SAN FRANCISCO, CALIFORNIA 94111
 FAX: (415) 397-6392
 TELEX: 184150 HM OFC SFO

You will receive an invoice in accordance with Article 11 of Chapter 6, Title 3 of the Ordinance Code of Alameda County

Service Requestor William Waddell W. Waddell Date 1-22-93
printed name signature
 HazMat Specialist SUSAN L. HUGO Susan L. Hugo Date 1/22/93
printed name signature

JOHN B HOOK
RONALD P MALLEN*
HOWARD M GARFIELD
JOSEPH P McMONIGLE
DONALD W CARLSON
DAVID W EVANS
MARSHA L MORROW
BARRY D BROWN
MICHAEL L BOLI
JOHN E PEER
LAWRENCE A CALLAGHAN
RUSSELL S ROECA
GUY D CALLADINE
ROBERT M PETERSON
WENDY M LAZERSON
EDWARD F DONOHUE, III
DEBRA L MELLINKOFF
MARK SIMON KANNETT
MICHAEL F HARDIMAN

*A PROFESSIONAL
CORPORATION

IRENE K GREENBERG
DON A LESSER
GLEN R OLSON
ROBERT C CHILES
ESTHER Z HIRSH
KEVIN P KAMRACZEWSKI
CHRISTOPHER T BORGESON
LINDA LANDRY MILLER
RANDALL A MILLER

EDWARD D HAAS
OF COUNSEL
DEBRA A BAKER
SPECIAL COUNSEL

BERT W LEVIT (1903-1980)
PERCY V LONG (1870-1933)

LONG & LEVIT

A PARTNERSHIP INCLUDING A PROFESSIONAL CORPORATION

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355 SOUTH GRAND AVENUE, SUITE 3288
LOS ANGELES, CALIFORNIA 90071
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ELIZABETH COLPOYS
JEFFREY D LIVINGSTON
LINDA S VOTAW
DAVID IAN DALBY
JULIET A LEFTWICH
MICHAEL A VASQUEZ
BARRY K TAGAWA
MARK L NISSENBAUM
ANNE E KUNZIG
GLENN W ANGERS
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JOYCE C WANG
BARBARA W ENGLER
CLAIRE L CORTNER
JEANETTE TRAVERSO
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NAOMI K YAMADA
RYAN T RUSSELL
BRIAN W WALSH
REILLY ATKINSON
JUDITH A TURBY
MERLE J PANICK
MICHAEL J ESTRADA

MARTIN T LEE
VINCENT T MARCI, JR
NANCY L MARTIN
KIRK C CHAMBERLIN
STEPHEN J KAUFMAN
ROBERT J ROMERO
ELIZABETH M LINK
ROBERT A O'BRIEN
GERALD K CARROLL
CORY M MARTIN
LISA MARIE FRAAS
SCOTT W BATHS
PAUL S COHEN
GLORIA S HA
SCOTT J HYMAN
DAVID P OSAKO
WAYNE K SNODGRASS
ANN L STRAYER
STERRETT J BRANDT
KATHLEEN M EWINS
ALFESIA JONES-MARTIN
LAUREN O'BRIEN
WILLIAM E WADDELL
JOSEPH ZUBER

January 12, 1993

S1160.944
Ransome Co.

Ms. Susan Hugo
Alameda County Health Care
Services Agency
Department of Environmental Health
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

**Re: Public Records Act Request
Site: 4030 Hollis Street
Emeryville, California**

Dear Ms. Hugo:

Pursuant to our telephone conversation on January 11, 1993, under California Government Code Section 6250, et seq., I intend to personally visit your offices on Friday, January 22, 1993, at 9:30 a.m. to inspect all documents, correspondence, memoranda, and reports in your files relevant to the above-referenced site. We understand that we will be charged \$75.00 an hour to inspect the subject documents and \$1.00 per copy for any documents copied.

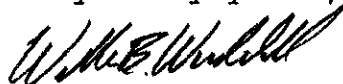
Lastly, please obtain the files kept by Mr. Brian Oliva relevant to the above-referenced site so that they may also be inspected during the same visit. For your records, we have enclosed a copy of the written request previously sent to Mr. Oliva.

This firm represents the insurance co. (Continental Casualty) that Ransome Co. is claiming to be insured by them since 1960's. However, there is no policy but Ransome claimed they have been paying the premiums

Ms. Susan Hugo
January 12, 1993
Page 2.

Should you have any questions or concerns, or if you cannot obtain Mr. Oliva's files for inspection, please do not hesitate to contact the undersigned.

Very truly yours,



William E. Waddell

cc: Martin T. Lee, Esq.

WEW/jb
Enclosure

S1160.944\LT002386.723

JOHN B. HOOK
RONALD E. MALLEN*
HOWARD M. GARFIELD
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KATHLEEN M. EWINS
ALEXIA JONES-MARTIN
LAUREN O'BRIEN
WILLIAM E. WADDELL
JOSEPH ZUBER

December 11, 1992

S1160.944

Mr. Brian Oliva
Alameda County Health Care Services Agency,
Department of Environmental Health,
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, California 94621

Re: Public Records Act Request
Site: 4030 Hollis Street, Emeryville, California

Dear Mr. Oliva:

Pursuant to California Government Code § 6250 et seq., we formerly request copies of your files relating to the above-referenced site. We believe your records date back at least to 1989 and perhaps before. It may assist you in your search to know that your file may be open under the names of Ransome Company, Inc., Emeryville Asphalt, Inc., D. Atchison, Topeka and Santa Fe Railway Company, and/or the Catellus Development Corporation.

We request copies of all documents, correspondence, memorandum and reports in your files, and will reimburse you for the reasonable costs involved in locating, copying and sending this information to us.

We would appreciate your response as soon as possible. If any part of our request is denied, please provide the specific exemptions upon which your denial is based. If you have any

Date: 17 August 1992
To: Susan Hugo
From: Dennis Byrne
Subject: LOP Site # 1667 *RANSOME Co.*

This is one of the more elaborate projects I've worked on. The project initially began as tank removals by individual tenants. These actions were taken due to conditions of their leases that required all environmental requirements be met prior to surrendering the leasehold back to the lessor (Catellus Development). However, as things developed over time the individual actions were consolidated into a single project. This consolidation facilitated oversight on my part and made sense to the Board and everyone else involved.

From the perspective of the LOP records, the former Ransome site is the sole listing. Ransome is centrally located in reference to the other portions of the project area and was by far the most extensively contaminated parcel. All data I possess has been consolidated into one box under the Ransome heading.

Levine-Fricke has been the primary consultant involved. Levine-Fricke, represented by Amanda Spencer, works for Catellus and oversaw the proposals submitted by other consultants involved in the project. This greatly simplified things for me in the early going since Amanda took great pleasure in pointing out the inadequacy of submitted work. Eventually, the lessees' consultants were squeezed out of the project with Catellus suing most of the former tenants for not satisfying their lease agreements. So for the last year I have only had to interact with one consultant and one RP, reinforcing the validity of my initial decision to consolidate the projects.

The project has been subdivided into three areas; A, B and C. Each has been extensively assessed with the majority of the contamination problems having been addressed.

Area A

Occupies the ~~south side of Verba Buena~~, between Hollis and San Pablo. One Diesel UGT was pulled. The tank pull was clean, but an assessment showed pockets of HC-contaminated soil. The most significant problem discovered was a ~~plume of chlorinated hydrocarbon contaminated water~~ that seems to be restricted to an ~~underground stream bed meandering~~ across the site from San Pablo to Hollis.

Catellus plans to construct a large shopping center on this site and was eager to reduce the amount of soil excavation required. This interest was reinforced when engineers determined that the underlying soil texture was ideal for the type of construction

proposed. The HC soil contamination did not exceed 1,000 ppm, but there were isolated pockets of heavy metals. With the Board's concurrence I waived a requirement for soil excavation on the condition that: a) the heavy metal contaminated pockets would be excavated and b) appropriate deed restriction language will be recorded and included into any subsequent lease or sales agreements. →

The heavy metal excavations have been completed. The deed restriction language is to be submitted to me and Lester Feldman for approval. →

Lester approved Catellus' proposal for installing a French Drain along Hollis Street to intercept the chlorinated HC contaminated water. This drain is to be pumped out periodically for disposal. This action, coupled with an on-going ground water monitoring program should suffice for addressing this problem. Catellus is aware that the ground water monitoring program will have to continue as long as the chlorinated stuff keeps turning up in the French Drain. The source of this contamination has never been identified. ~~There~~ is no historical use of the property that would account for it.

Ground water monitoring wells installed to the west of the French Drain (presumably the down gradient direction, though the gradient in this area is of nominal significance) detected other undesirable chemicals including Prop 65 substances. The concentration gradient of these chemicals indicates that a site across Hollis Street from Area A may be the source of these materials. None of these chemicals were discovered on Catellus property so Catellus does not appear to be the source. Catellus will take no action to address this matter other than to notify the owner of that property of what they have found and inform them of their intention to sue them if the Catellus property is ever impacted.

Among the things I was someday going to do was write a letter to this RP inquiring as to when I could anticipate receiving his proposal. It appears that somebody else will have to right this letter. If you don't want to deal with it, you can slough it off on Brian, but you will have to give him a lot of support regarding the data that has been derived.

Area B Yerba Buena

The real jewel of this project, located on the north side of Yerba Buena, between Hollis and San Pablo. The property is bordered on the north by railroad tracks (since removed).. Ransome Company occupied this site for decades and never much gave a damn about environmental stuff. I oversaw the removal of six tanks from this site in 1989 or 1990. The tank pull itself was one of the most memorable I have seen (a smoking 10,000 gallon tank strapped onto

a truck started driving away from the site while the driver was wandering around looking for somebody to sign his manifest). All the tanks leaked and there was considerable soil contamination. Excavation and on-site aeration proceeded for years. Vast areas of the site were excavated involving an assortment of large earth moving machines. The activity at the site was sufficiently impressive that an artist living in a building bordering the project created a large menagerie of photographs following the development of the project which covers an entire wall of her apartment.

Ground water investigation was prevented while this soil excavation was in progress. The excavation was so extensive and so much ground water surface was exposed to the air ^{by} such a long period of time that a representative ground water sample was unobtainable. The soil has now been addressed and Catellus is ready to proceed with the ground water aspect of the project. Monitoring well locations have been proposed, and approved and sampling should have started by the time you read this.

A small pocket of PCB-contaminated soil was discovered near the railroad tracks. Catellus wanted to leave this in place as it would underlie an asphalt paved street, but the Board insisted on its excavation. This excavation has been completed and verified.

Area C

This area extends between Hollis Street and the EBMUD facility, north of Yerba Buena. Area C is bordered on the north by railroad tracks.

I believe you are somewhat familiar with this part of the project. I know you were involved in at least one tank pull at the site.

There were a few pockets of heavy metals detected but, for the most part, this is the cleanest portion of the project. The heavy metals have been excavated so the only remaining problems would be the ground water monitoring and whatever problems were discovered during the tank removal.

The northern border of this parcel is the outer edge of the Electro-Coatings Chrome plume. Catellus is aware of this and their a bit nervous about it. But at this time there's not much anybody can do about Electro-Coatings. This office and the DA's office have requested that the state add Electro-Coatings to the state's priority list. For some reason the state isn't too excited over this idea. So what the long-term impact of the Electro-Coatings mess on Emeryville will be is anybody's guess. Catellus won't do anything about it and I never suggested that they do anything but keep an eye on it.

Amanda Spencer is no longer the Levine-Fricke contact. She has also quit and we are considering the possibility of running away together. We just can't agree on how much baggage to carry with us. Your new Levine-Fricke contact is Jennifer Beatty.

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§

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
2101 WEBSTER STREET, SUITE 500
OAKLAND, CA 94612

Phone: (510) 464-1255

FAX: (510) 464-1380



June 24, 1992

File No. 2223.09(LF)

Amanda Spencer
Senior Hydrogeologist
Levine Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

SUBJECT: Catellus - Yerba Buena Project, Emeryville

Dear Ms. Spencer:

This letter is written in follow-up to your meeting of June 22 with Lester Feldman of my staff concerning the subject proposed development project. I understand that Dennis Byrne of Alameda County Health Care Services Agency has been acting as lead in resolving soil and groundwater pollution issues for the sites involved. I also understand that the overall project involves identification and remediation of volatile organics in the groundwater at one location, verification of hydrocarbon cleanup in the groundwater at several locations, the closure of several underground fuel tanks, remediation of hydrocarbon contaminated soils related to former underground tanks, and the relocation of some hydrocarbon contaminated soils within the project boundaries.

As indicated by Mr. Feldman, this Regional Board staff has no objection to the relocation of hydrocarbon contaminated soils within the project area as proposed in the Draft Plan dated March 10, 1992. This Draft Plan should be re-named the Soils Management Plan and be amended to include specific guidance language providing for the maintenance of the proposed encapsulations to protect water quality. As indicated by Mr. Feldman and Mr. Byrne any future activity on the site which necessitates excavation of the soils of concern should be managed in such a way as to mitigate any water quality problem which could arise (e.g., polluted surface runoff).

Additional concerns which should be addressed for the subject site prior to any leased business occupancy or sale include the following:

1. A Notice is to be placed on the recorded deed(s) whenever soils containing elevated levels of pollutants are contained on any affected parcel.

2. An Self-Monitoring Program shall be in place at all times acceptable to the Alameda County Health Agency or the Regional Board staff. This program shall provide for monitoring of all groundwater under active remediation, and shall provide for verification of all completed cleanups. An Annual Report shall be filed with both agencies.

48C

3. Completion of any groundwater cleanup will be considered by the Board based upon a recommendation for Closure by the Alameda County Health Agency per Board guidelines.

Please direct any questions to Lester Feldman of my staff at (510) 464-1332.

Sincerely,



Steven R. Ritchie,
Executive Officer

cc: Dennis Byrne, Alameda County Health Agency
Don Marini, Catellus
Ric Notini, Catellus
Jim Levine, Levine Fricke

C A T E L L U S

92 JUN 17 11:22

June 12, 1992

Alameda County Health Agency
80 Swan Way, #200
Oakland, CA 94621
ATTN: Ms. Susan Hugo

RE: Bay Area Warehouse Company Site

Dear Ms. Hugo:

This is in regard to an underground tank removal currently in progress in Oakland, California. The owner of the tank, Bay Area Warehouse Company, has completed the removal of the tank but has not completed closure of the site. As a result, a hole remains open on the site. Catellus Development Corporation is the owner of the site and has requested Bay Area Warehouse Company to complete the site closure. Catellus has Levine-Fricke, as a consultant, representing our interest in this matter and I understand Ms. Cindy Barclay of Levine-Fricke has been in contact with you previously. In my conversation with Ms. Barclay, she indicated the County is aware of the situation at the site. The situation is troublesome for Catellus since there is an open hole that presents a potential hazard and we would like the hole closed. We understand that if additional testing of the groundwater in the hole proves satisfactory to you, the hole can be closed without further action. Catellus has been in contact with Bay Area Warehouse Company on several occasions in order to have this testing done.

Because of the potential liability associated with keeping the excavation open in order to perform this testing, we respectfully request the County make official notification to Bay Area Warehouse to complete this testing so the final remediation can be accomplished and the hole closed. Your assistance in this matter is greatly appreciated.

Sincerely,

CATELLUS DEVELOPMENT CORPORATION



Don Marini
Senior Project Manager

DM/jmr

cc: Ric Notini/CDC
Peter Turner/LRD
Cindy Barclay/LF

CATELLUS DEVELOPMENT CORPORATION

remingi/don/ltr&mimo/ltrs.612



LEVINE-FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

91 NOV 13 PM 1:04

November 11, 1991

LF 1649.07

Mr. Dennis Byrne
Alameda County Health Agency
80 Swan Way, Suite 200
Oakland, California 94621

**Subject: Confirmation of Agreement to Backfill Excavations at
the Former Ransome Property, Yerba Buena Project
Site, Emeryville, California**

Dear Dennis:

This letter is written to confirm our discussions at the meeting you attended with Ms. Amanda Spencer and me on Tuesday, November 5, 1991 at the Alameda County Health Agency (ACHA) offices. As we discussed, Levine-Fricke is currently working on the former Ransome property ("the Property") to complete the excavations of petroleum-affected soil, and close the excavations as soon as possible. We have successfully backfilled several of the excavations using imported clean fill, and are in the process of backfilling the remaining excavations that have been completed. There is one area in the northern part of the Property that requires additional excavation.

As we discussed, we anticipate using some of the soil excavated from the Property (currently stockpiled on the Property) as backfill in the remaining excavations, if the concentrations in the soil meet the backfill criteria you established earlier for the Property. We understand the backfill criteria are:

<500 parts per million (ppm)	oil and grease
<10 ppm	diesel
<10 ppm	gasoline
not detectable	benzene, toluene, ethylbenzene, xylenes (BTEX)

As agreed upon in our meeting of November 5, 1991, Levine-Fricke will use the guidelines outlined in Chapter 9 of the Environmental Protection Agency Office of Solid Waste Management Document SW846 - Test Methods for Evaluating Solid Waste ("EPA SW846") to characterize the stockpiled soil on the Property for potential use as backfill. We have collected one sample for every 50 cubic yards of stockpiled soil in order to initially characterize the soil. We will use EPA SW846 to assess how many additional soil samples (if any) need to be collected from the stockpiles to fully characterize the soil for potential use as backfill.

1900 Powell Street, 12th Floor
Emeryville, California 94608
(415) 652-4500
FAX (415) 652-2246

Other offices in Irvine, CA; Sacramento/Roseville, CA; Tallahassee, FL

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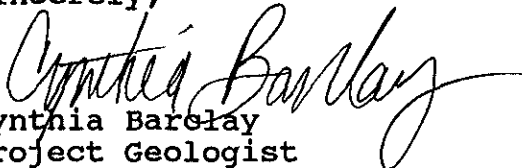
collected from the stockpiles to fully characterize the soil for potential use as backfill.

The stockpiled soil that meets the backfill criteria following characterization by EPA SW846 will be used as backfill in the remaining excavations (and in the future excavation in the northern portion of the Property). Soil that does not meet the backfill criteria will be transported off-site for treatment and/or disposal.

As you requested, we will keep you verbally informed of the progress we make in completing and closing the excavations. We will also keep you informed on the characterization of the stockpiled soils using EPA SW846. As we agreed, after the soil remediation work is completed at the Property, we will prepare a soil remediation completion report for the Property detailing the work performed.

If you have any questions regarding this summary of our discussions during Tuesday's meeting, please give me or Amanda Spencer a call.

Sincerely,


Cynthia Barclay
Project Geologist

cc: Ric Notini, Catellus
Pat Cashman, Catellus
Don Marini, Catellus



LEVINE·FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

September 18, 1991

LF 1649.03

91 SEP 20 PM 12:11

Mr. Dennis Byrne
Alameda Health Care Agency
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

Subject: Yerba Buena Project Site
Emeryville and Oakland, California

Dear Mr. Byrne:

Thank you for the time spent in our telephone conversation on Friday, September 13, 1991 in which we discussed strategies for earthwork to be conducted in Area A of the Yerba Buena Project Site during proposed site development activities. This letter is written to confirm what we discussed during our September 13, 1991 telephone conversation.

As you know, soils beneath portions of Area A contain elevated concentrations of petroleum hydrocarbons (characterized as oil), but are not hazardous according to guidelines presented in Title 22, California Code of Regulations, Article 11. These soils will be capped under buildings or low permeability asphalt cover in accordance with Levine·Fricke's Site Remedial Plan dated February 11, 1991.

However, as we discussed on September 13, 1991, in order to achieve a level grade for the building pads at the Site, some of the petroleum-affected soil may need to be moved from one part of Area A to another. Soil moved during construction activities will be placed in areas to be overlain by building pads, and will be isolated at equal or greater distances from the underlying water table than the soils original undisturbed position to mitigate against possible future impact to ground water. Appropriate health and safety precautions will be taken throughout the site development activities. Considering these circumstances, you indicated that it did not appear that moving the TPH-affected soil within Area A would present a problem.

45C

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LEVINE·FRICKE

If you have any questions, please do not hesitate to call.
Once again, thanks for your time in discussing this project.

Sincerely,


Amanda Spencer
Senior Hydrogeologist

cc: Pat Cashman, Catellus
Ric Notini, Catellus
Don Marini, Catellus

01



aqua resources inc.

2030 Addison Street, Suite 500 • Berkeley, California 94704 • 415 540-6954

9/5
RANSOME COMPANY
4030 HOLLIS ST
EMERYVILLE

August 30, 1991

Mr. Cecil Felix
Engineering Geologist
San Francisco Bay Regional Water Quality Control Board
1800 Harrison Street, Suite 700
Oakland, CA 94612

talk to Mark over telephone on 9/5
we will not accept the waiver of WDR
• the 250 mg benzene in the soil - a potential carcinogen
• no info about the baseline soil info at new site
• the soil stockpile is not properly characterized (discrete samples required)
• no info about if the transfer of the hazardous waste is acceptable to the local agencies and the health Dept.

90239.3
Only way to do is either
• take it to an appropriate landfill site
for disposal or
• apply for WDR proper.

Dear Mr Felix:

This letter represents a request by Aqua Resources Inc.(ARI) on behalf of Ransome Company for a waiver of the Waste Discharge Permit requirement in order to relocate non-hazardous soil contaminated with Petroleum Hydrocarbons. Ransome Co. would like to relocate approximately 2,000 cy of soil which is contaminated primarily with diesel and oil and grease. Detailed results of lab analyses representing three composites of four samples each taken from a stockpile of these soils are attached. In summary the soil contains average hydrocarbon concentrations of 11,5 ppm_w gasoline, 77 ppm_w diesel and 917 ppm_w oil and grease.

This soil was excavated as part of ARI's environmental cleanup operation at Ransome's former construction yard at 4030 Hollis St. in Emeryville, CA. The cleanup is being performed as part of a contractual agreement between Ransome, who occupied the site for over 40 years, and Catellus Company who owns the property and plans to redevelop it. About one year ago Ransome relocated its operations to 740 Julie Ann Way, Oakland. Catellus has set a deadline of October 1, 1991 for completion of the cleanup and remediation project. The site must be left vacant by that date. In order to meet this deadline Ransome Co. wants to relocate the soil to their present location until such time as it can be remediated or a permanent disposal site can be found.

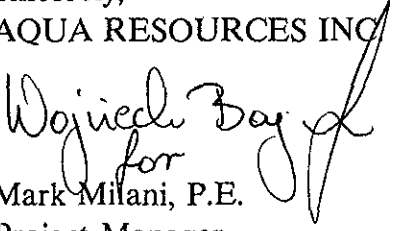
Relocation of the soil will involve loading the soil onto trucks and transporting it approximately 5 miles to their property in Oakland. At the new site the contaminated soil

would be placed over and covered by a plastic liner to prevent any possible infiltration and subsequent runoff of rainwater.

If you have any questions please do not hesitate to contact me at (415) 540-6954.

Sincerely,

AQUA RESOURCES INC


for
Mark Milani, P.E.
Project Manager

MM/as

Enclosures

90239.3/WDP/waivr.let



91 SEP -3 PM 12:00

2030 Addison Street, Suite 500 • Berkeley, California 94704 • 415 540-6954

August 30, 1991

Levine-Fricke
1900 Powell Street. 12th Floor.
Emeryville CA 94608

Attention: Cynthia Barclay

Subject: Aeration Bed and Stockpile Sampling Techniques at the Former Ransome site.

Dear Cynthia:

This letter is written in response to your letter of August 22, 1991 regarding our aerated soil sampling procedures on the former Ransome site. In that letter, you stated that ARI did not collect enough samples to satisfy EPA SW 846 guidelines. This is not correct. In fact, we have usually collected more than the recommended number of samples. For example, our initial characterization of soils at the former Ransome site (including areas A, B, C, D, D2, F, and J) was based upon 18 initial composite samples compiled from 93 discrete samples in a situation where EPA SW 846 suggests that limited analytical studies will suffice. Following SW 846 (equation 8), 23 random composite samples are recommended to make a final characterization of these soils and we intend to collect more than 23 random samples. The two random composite samples presented to you in our last letter suggest that oil and grease concentrations in one stockpile (B and C) are below 500 ppm at the 90 percent confidence level. (The variance and confidence interval in that example should be calculated using two rather than eight samples). Additional random composite samples have been taken and more will be taken from the stockpiles at the former Ransome site before a final soil characterization is reached.

You noted in your letter that composite samples minimize variation between samples, which (in fact) is to be desired. Fewer composite samples are needed to characterize mean contaminant values than discrete samples because the variation between composite samples is generally smaller than the variation between discrete samples (see equation 8). Composite samples are described in EPA SW 846 (p 21). They are particularly appropriate for characterizing soils to be blended and mixed, as they have been at the former Ransome site. That is because collecting samples from different locations and analyzing composite information mimics the impact of blending and back-filling of

44c

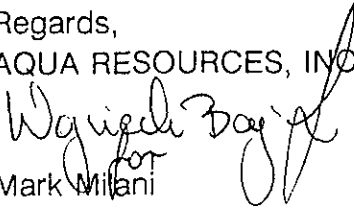
remediated soils. It is relevant to note that we are primarily concerned with mean contaminant levels rather than hot spots, as described in EPA SW 846.

You refer to sampling procedures described in a RWQCB memo. Apart from the fact that this memo is a draft proposal intended for internal RWQCB discussion, it should be obvious that the proposed 1 sample per 20 cy is only appropriate for relatively small sites. At the former Ransome site, with some 10,000 cy of well sampled and characterized soils, EPA procedures will take precedence (as suggested even in that memo).

You were also concerned that ARI's systematic random sampling approach may not comply with EPA guidelines. Our approach is to select random samples at various depths from an imaginary grid of uniformly sized areas. The first sample point is chosen randomly and subsequent locations are determined using the imaginary grid. We feel this procedure is very compatible with SW 846 recommended procedures.

If you would like to discuss it further please do not hesitate to call the undersigned.

Regards,
AQUA RESOURCES, INC.


for

Mark Milani
Project Manager

cc Dennis Byrne, Alameda County Health Agency



LEVINE-FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

August 22, 1991

LF 1649.05

Mr. Mark Milani
Aqua Resources, Inc.
2030 Addison Street
Suite 500
Berkeley, California 94704

Subject: Aeration Bed Sampling Techniques Performed by Aqua Resources, Inc. at the Former Ransome Company Property, Yerba Buena Project Site, Emeryville, California

Dear Mark:

Levine-Fricke has reviewed Aqua Resources, Inc.'s (ARI) sampling methodology and statistical analysis used for characterizing the aerated soils at the former Ransome Company site as described in ARI's August 13, 1991 letter. We have some concerns about the adequacy of this sampling and analysis which are described below. We have recommended to Catellus Development Corporation that these concerns be addressed now to avoid the possibility that the Regional Water Quality Control Board (RWQCB), the Alameda County Health Agency (ACHA), or some other regulatory agency will request that aerated soils used as backfill be removed from the excavations at a later date.

The August 13, 1991 letter indicates that ARI is following guidelines outlined in Chapter 9 of the Environmental Protection Agency Office of Solid Waste Management Document SW846 - Test Methods for Evaluating Solid Waste (hereafter, "EPA SW846"). We believe that EPA SW846, if used in conjunction with RWQCB guidelines, is an appropriate method for sampling and analyzing aerated soils at the site. However, based on an evaluation of EPA SW846 and our understanding of ARI's aeration bed sampling methodology, it does not appear that ARI is using appropriate protocol to properly implement EPA SW846.

The statistical approach presented in EPA SW846 suggests a random sampling process. The application of the simple random sampling process described in EPA SW846 for aeration beds of petroleum-affected soils consists of the following protocol:

1. Divide the lateral and vertical extent of the stockpile into an imaginary three dimensional block of uniformly-sized cells.
2. Assign a series of consecutive numbers to the cells.
3. Compute the mean and variance of the available representative laboratory analytical results of soil samples

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of the excavated petroleum-affected soils using equations listed in Table 9-1 of EPA SW846.

4. Compute the appropriate number of samples to be collected using equation 8 of Table 9-1 in EPA SW846.
5. Select the cells to be sampled through the use of a random-number generator/table.

Our primary concern regarding ARI's methodology is that the number of samples collected from the aeration beds may not provide the representative sampling results specified in Step 3 of the EPA SW846 guidelines. ARI collects up to four samples from each aeration bed row, (a volume of approximately 120 cubic yards, according to our previous conversations with ARI), and composites up to four samples into one sample for analysis. According to previous discussions on composite sampling with BC Analytical Laboratories, the actual concentrations of the discrete samples that make up a composite sample, in general, can be up to four times the reported composite sample concentration, because of the possible dilution of concentrations due to the mixing. In our opinion, the use of composite sample results to determine the total number of samples to be collected from the aeration beds will indicate an inappropriately low number of samples because of the potential dilution.

In addition, since the RWQCB will eventually review the acceptability of the clean-up program at the Ransome site, it would be more appropriate for ARI to follow RWQCB guidelines in conjunction with EPA SW846. The RWQCB guidelines suggest collecting one sample per every 20 cubic yards of excavated soil (memorandum and draft proposal by Dyan Whyte, RWQCB, dated February 20, 1990). ARI has stated during previous discussions with Levine·Fricke that they were not following RWQCB sampling guidelines because they were using EPA SW846. Based on our review of the EPA SW846 guidelines, it is our understanding that the EPA SW846 protocol is not intended to substitute for the representative sampling suggested by the RWQCB, but, instead, it is intended to be used in conjunction with representative sampling.

A secondary concern is that ARI's "systematic random" sampling approach does not conform with EPA SW846. Specifically, they do not describe selecting the random sample locations using a block of uniformly-sized cells as described in Step 1 of EPA SW846. A random selection of sampling location is important to the EPA SW846 methodology to insure a representative sampling set for statistical analysis.

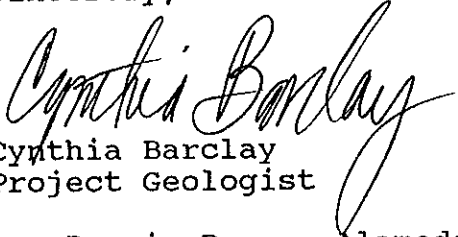
In summary, based on our review of ARI's sampling methodology and statistical analysis, we are concerned that ARI is not using an appropriate method for sample collection and selection for analysis of the aeration bed soils at the Ransome site. We are also concerned that if the aerated soils are placed back in the

LEVINE-FRICKE

excavations based on ARI's current sampling protocol, the RWQCB or the ACHA may raise concerns about these soils sometime in the future, possibly requesting removal of the soils and/or additional characterization.

If you have any questions or require additional information, please contact me, Amanda Spencer, or Peng Leong.

Sincerely,



Cynthia Barclay
Project Geologist

cc: Dennis Byrne, Alameda County Health Agency



LEVINE·FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

August 19, 1991

LF 1649.05

Mr. Dennis Byrne
Hazardous Materials Specialist
Alameda County Health Agency
80 Swan Way, Suite 200
Oakland, California 94621

Subject: Updated Map of Former Ransome Property for Use in
Discussions with the Regional Water Quality Control
Board

Dear Dennis:

In order to facilitate your discussions with the Regional Water Quality Control Board (RWQCB) concerning the soil and ground-water investigation at the former Ransome property, we are sending the enclosed figure to you. This figure shows the locations of the existing monitoring wells in relation to the excavations Aqua Resources, Inc. is completing at the Ransome property, along with historical ground-water quality data for the existing wells.

If you have any questions, please call me at 415-652-4500.

Sincerely,

Cynthia Barclay
Project Geologist

enclosure

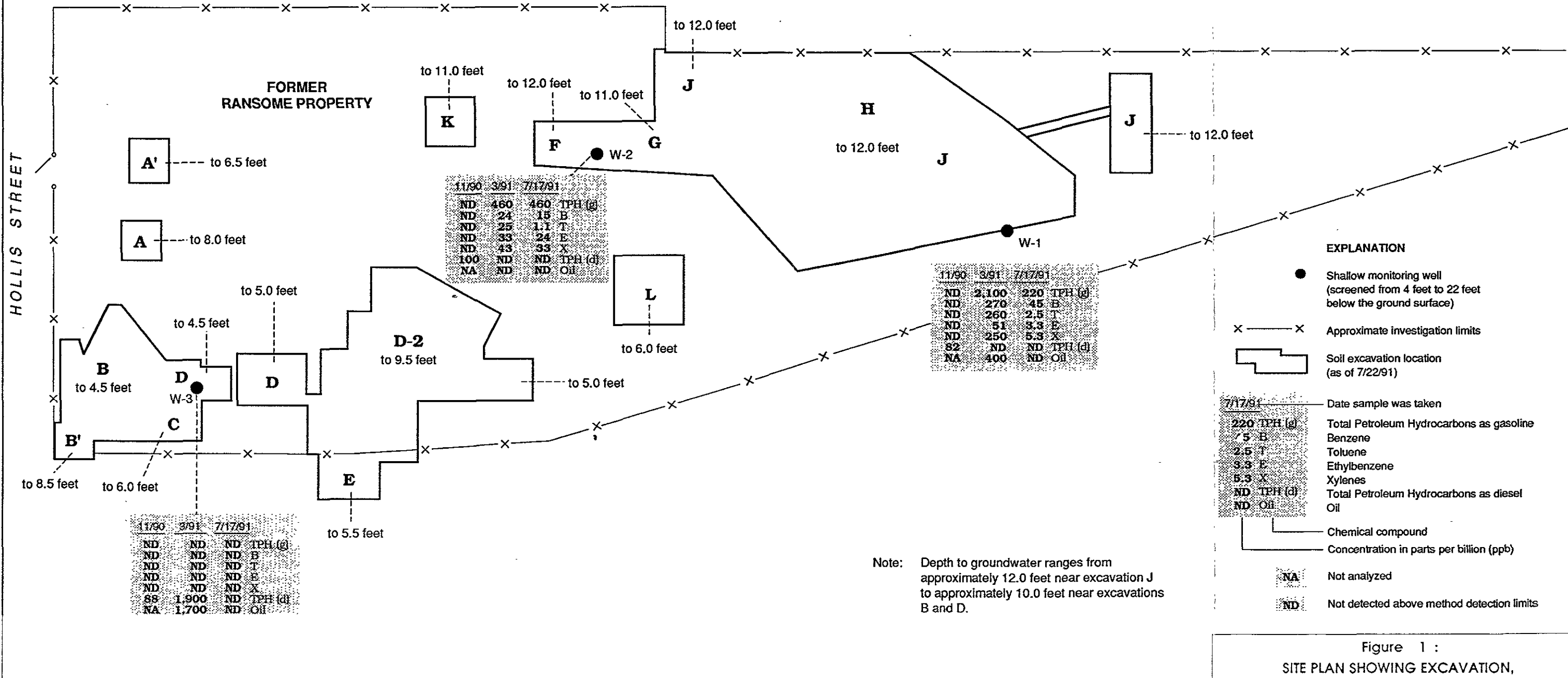
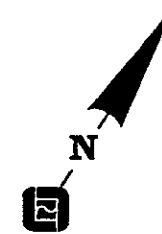
91 AUG 21 AM 11:22

42c

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Emeryville, California 94608
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FAX (415) 652-2246

UNITED STAMPING

BESLER BUILDING



	11/90	3/91	7/17/91	
ND	460	460	TPH (g)	
ND	24	15	B	
ND	25	1.1	T	
ND	33	24	E	
ND	43	33	X	
100	ND	ND	TPH (d)	
NA	ND	ND	Oil	

	11/90	3/91	7/17/91	
ND	2,100	220	TPH (g)	
ND	270	45	B	
ND	260	2.5	T	
ND	51	3.3	E	
ND	250	5.3	X	
82	ND	ND	TPH (d)	
NA	400	ND	Oil	

	11/90	3/91	7/17/91	
ND	ND	ND	TPH (g)	
ND	ND	ND	B	
ND	ND	ND	T	
ND	ND	ND	E	
ND	ND	ND	X	
88	1,900	ND	TPH (d)	
NA	1,700	ND	Oil	

- EXPLANATION**
- Shallow monitoring well (screened from 4 feet to 22 feet below the ground surface)
 - × — × Approximate investigation limits
 - ▭ Soil excavation location (as of 7/22/91)
- 7/17/91
- 220 TPH (g) Total Petroleum Hydrocarbons as gasoline
 - 7.5 B Benzene
 - 2.5 T Toluene
 - 3.3 E Ethylbenzene
 - 5.3 X Xylenes
 - ND TPH (d) Total Petroleum Hydrocarbons as diesel
 - ND Oil Oil
- Chemical compound
- Concentration in parts per billion (ppb)
- NA Not analyzed
 - ND Not detected above method detection limits

Note: Depth to groundwater ranges from approximately 12.0 feet near excavation J to approximately 10.0 feet near excavations B and D.

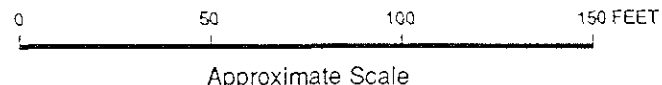


Figure 1 :
SITE PLAN SHOWING EXCAVATION,
MONITORING WELL LOCATIONS AND
HISTORICAL WATER QUALITY DATA (ppb)
FORMER RANSOME COMPANY SITE

Source: Aqua Resources, Inc., Berkeley, California



2030 Addison Street, Suite 500 • Berkeley, California 94704 • 415 540-6954

August 13, 1991

Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

690239.3
file: correspondence

Attention: Ms. Cynthia Barclay

Subject: Aeration Bed Sampling and Statistical Analysis Procedure
4030 Hollis Street Site

Dear Cindy:

As agreed at the July 26, 1991 meeting at the Alameda County Health Agency, Aqua Resources Inc. (ARI) has prepared a brief outline of the soil sampling and statistical analysis approach which ARI will utilize to characterize excavated soils that are treated by aeration at the Ransome site. The purpose of remediating the excavated soil is to reuse the excavated soil as backfill in the excavation. The soil can be reused as backfill when the following objectives have been met:

- gasoline concentration is less than 10 ppm
- diesel concentration is less than 10 ppm
- BTEX concentrations are non detect (based on the method detection limit)
- oil and grease concentration is less than 500 ppm

The above objectives were mutually agreed upon at the above referenced meeting.

Sampling Methodology - Soil samples from the aeration beds are taken when the soil appears to be free of volatile organic compounds. This is determined by hand excavating a shallow test pit in the aeration bed and measuring the soil vapor organic content with an organic vapor meter (OVM). Individual soil samples are then taken from two to four locations distributed along each aeration bed row. The samples are collected in brass liners that are capped with aluminum foil or teflon tape and new plastic end caps, and are then placed in an ice chest. These samples are transported to the laboratory under chain of custody for analysis. At the laboratory, the soil samples are then composited, in groups of no more than four, and the composite is analyzed for gasoline (TVHG), diesel (TPHD), BTEX, and oil and grease. Based on the analytical results, the decision is made as to when the soil can be removed from the aeration bed.

41c

If the oil and grease concentration and/or diesel concentration in an individual aeration bed exceeds the target limits but concentrations of other constituents are below their respective target limits, that bed is combined with other aeration beds. After mixing, another suite of samples is taken. The sample locations are selected in a systematic random fashion such that the samples are distributed over the combined bed and taken at various depths. These samples are again composited (maximum of four samples for each composite) and analyzed.

The analyses specified depends upon the results from the individual beds of which the combined bed is comprised. If the individual bed analyses show with 80 percent confidence that a particular petroleum hydrocarbon compound was not found in levels exceeding backfill limits, then that compound is not specified for analysis in the combined bed samples.

Statistical Analysis - The soil is determined suitable for backfill only when the individual bed or combined bed results demonstrate with 80 percent confidence level that the backfill concentration limits are not exceeded. In order to calculate the confidence interval for a set of samples, the following equations given by EPA SW846 (Chapter 9) are applied:

Mean

$$\bar{x} = \frac{\sum_{i=1}^{n-1} x_i}{n}$$

Variance

$$S^2 = \frac{\sum_{i=1}^n x_i^2 - \frac{(\sum_{i=1}^n x_i)^2}{n}}{n-1}$$

Standard Deviation

$$s = \sqrt{S}$$

Standard Error

$$S\bar{x} = \frac{s}{\sqrt{n}}$$

Confidence Interval (CI)

$$\bar{x} \pm t_{.20} S_{\bar{x}}$$

Here $t_{.20}$ is the student "t" distribution coefficient for a two tailed confidence interval and a probability of 0.20 (80 percent confidence).

When the confidence interval is calculated for multiple sets of composite analyses, each sample which went into the composite is assigned the value of the composite result. For example, two composites of eight total samples were taken on the stockpile of aerated soils from areas B and C. The results for oil and grease were as follows:

CB - 1 through 4 = 340 ppm
CB - 5 through 8 = 410 ppm

Average

$$\frac{4 \times 340 + 4 \times 410}{8} = 375 \text{ ppm}$$

Variance

$$\frac{(4 \times 340^2 + 4 \times 410^2) - (4 \times 340 + 4 \times 410)^2 / 8}{7} = 1400$$

Standard Deviation

$$\sqrt{1400} = 37.4$$

Standard Error

$$37.4 / \sqrt{8} = 13.2$$

$$t_{.20} \text{ (for 8 samples)} = 1.415$$

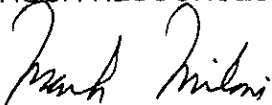
$$80 \text{ Percent Confidence Interval} = 375 \pm 1.415(13.2)$$

$$= 375 \pm 19 \text{ ppm (Limit is 500)}$$

Since the TVHG, BTEX and TPHD composites over all of the beds which went into this stockpile also passed the 80 percent confidence interval test, ARI has determined that these soils meet the backfill objectives.

Should you have any questions, please feel free to contact me.

Sincerely yours,
AQUA RESOURCES INC.

A handwritten signature in black ink, appearing to read "Mark Milani". The signature is written in a cursive style with a large initial "M".

Mark Milani, P.E.
Project Manager

MM/blr

cc: Dennis Byrne, Alameda County Health Agency
Don Marini, Catellus Development
Ric Notini, Catellus Development
Ed Webster, Ransome Company

aertn-bd.smp



91 JUL 25 11 08:29

LEVINE·FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

July 24, 1991

LF 1649.05

Mr. Dennis Byrne
Alameda County Health Agency
80 Swan Way, Suite 200
Oakland, California 94621

Subject: Topics to be Discussed at the Upcoming July 26, 1991
Meeting Concerning the Former Ransome Property, Yerba
Buena Project Site, Emeryville, California

Dear Dennis:

In order to facilitate discussions at the upcoming meeting between you, Catellus Development Corporation (Catellus), Levine·Fricke, Inc. (Levine·Fricke), and Aqua Resources, Inc. (ARI) on Friday, July 26, 1991, Ric Notini of Catellus suggested I forward the enclosed information to you. As I mentioned at the time I called to request a meeting, we believe that a meeting attended by all involved parties would be useful to discuss the following issues:

- Ransome's ground-water quality data, and the timing and scope of further investigation and possible remediation strategies for ground-water beneath the Ransome site, and
- the on-going soil excavation and treatment at the site.

As you are aware, results from the first quarterly round of ground-water samples collected by ARI on March 19-20, 1991 from the Ransome site indicated substantially higher concentrations of total petroleum hydrocarbons (TPH) as gasoline and diesel, benzene, toluene, ethylbenzene, and xylenes (BTEX), and oil than had been detected during the baseline sampling conducted by ARI in November, 1990. The concentrations detected during these two sampling events are shown on Figure 1. A second quarterly round of sampling was performed by ARI on July 17, 1991. During a phone conversation on July 17, 1991, Mr. Voytek Bajsarowicz of ARI informed me that he expects to have the results from this latest round of sampling available for the upcoming meeting on Friday.

400

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LEVINE·FRICKE

Due to the elevated concentrations (some well above State Maximum Contaminant Levels) of compounds detected in the ground water at the Ransome site, we would like to discuss the timing and scope of further investigation and possible remediation that may be required to address ground-water quality at the Ransome site. Based on data obtained during the soil excavation activities and the concentrations detected in ground water during the March round of ground-water sampling, we would recommend the installation and sampling of a minimum of four additional monitoring wells on the Ransome site in the locations indicated on Figure 2. These additional wells would provide the minimum coverage necessary to characterize the general extent of affected ground water beneath the site and provide needed additional data for addressing possible remediation alternatives for the site. The rationale for the location of these monitoring wells is described in Table 1.

In addition to discussing the ground-water problem at the Ransome site, we would also like to discuss briefly the current status of the ongoing soil clean-up. Since the excavation portion of the soil clean-up at the Ransome site appears to be near completion, we would like to clarify the treatment and backfill concentration goals prior to ARI proceeding with backfilling. As you are aware, ARI is currently treating gasoline- and BTEX-affected soils by aeration on the site, and plans to return "successfully-treated" aerated soils to the excavations as backfill. We would like, therefore, to clarify the clean-up goals that have been established by the regulatory agencies for allowing the material to be returned to the ground without the need for any deed restrictions or other possible encumbrances on development and use of the Ransome site.

As you know, Catellus is planning on redeveloping the Ransome site for commercial or residential uses. In order for such redevelopment to occur, the City of Emeryville, as well as future tenants and lenders will request written assurances from your agency, acting as lead agency, that soil and ground water contamination have been investigated and remediated to your agency's satisfaction in accordance with applicable laws, regulations, and policies. Therefore, Catellus believes it is in the best interest of all parties to keep this objective in mind in developing and implementing an appropriate soil and groundwater investigation and remedial program.

LEVINE·FRICKE

If you have any questions, please call me at 415-652-4500 or Ric Notini of Catellus at 415-974-4617.

Sincerely,

A handwritten signature in black ink, appearing to read "Cynthia Barclay". The signature is fluid and cursive, with a long, sweeping tail on the final letter.

Cynthia Barclay
Project Geologist

cc: Ric Notini, Catellus
Mark Milani, Aqua Resources

TABLE 1

RATIONALE FOR PROPOSED
MONITORING WELL LOCATIONS

<u>LOCATION</u>	<u>RATIONALE</u>
PW-1	Located downgradient of excavations D and E where concentrations of TPHg (up to 370 ppm) and TPHd (up to 340 ppm), and oil and grease (up to 4,200 ppm) were detected at depths of approximately 8.5 feet below grade (ground water is at approximately 10 feet below grade).
PW-2	Located in excavation H where 10 ppb of benzene was detected in a grab ground-water sample collected at B-14 prior to excavation; strong petroleum odors were noted in the area during excavation at a depth of approximately 10 to 11 feet (at or near the ground-water table)
PW-3	Located downgradient of the H-J excavation; strong petroleum odors were noted during excavation from approximately 6 to 12 feet below grade, and petroleum sheen was observed on standing water in the excavation.
PW-4	Located downgradient of existing well W-1 and the former tank locations; 2,100 ppb TPHg and 270 ppb benzene was detected in W-1 during the March sampling round.

NOTES:

TPHg = total petroleum hydrocarbons as gasoline
TPHd = total petroleum hydrocarbons as diesel
ppm = parts per million
ppb = parts per billion



91 JUL 18 PM 12: 15

2030 Addison Street, Suite 500 • Berkeley, California 94704 • 415 540-6954

July 12, 1991

Alameda County Health Care Services Agency
Department of Environmental Health
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, California 94621

690239.3
File: correspondence

Attention: Mr. Dennis Byrne, Hazardous Material Specialist

Subject: Reuse of Contaminated Soil as Backfill
Site Closure of Former Corporation Yard Site
4030 Hollis Street, Emeryville

Dear Mr. Byrne:

This letter confirms our July 3, 1991 telephone conversation regarding reuse of excavated soils generated as part of site remediation operations at the subject site. As we discussed, excavated soils contaminated with petroleum hydrocarbons can be reused as backfill provided the following conditions are met:

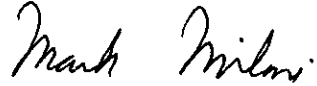
- excavated soils that have been remediated by aeration to remove volatile petroleum hydrocarbons are characterized by stockpile sampling procedures performed in conformance with California Regional Water Quality Control Board guidance and
- the results of the stockpile sampling meet the following concentration requirements:
 - TPH as gasoline: less than 10 ppm (each sample)
 - TPH as diesel: less than 10 ppm (each sample)
 - Total Oil and Grease: less than 500 ppm (running average of all samples)

You indicated that no deed restriction or limitation on the use of the property is anticipated, if the above conditions are met.

39c

If you have any questions regarding the above, please contact the undersigned,

Very truly yours,
AQUA RESOURCES INC.

A handwritten signature in cursive script that reads "Mark Milani".

Mark Milani, P.E.
Project Manager

690239.3/disk 1/soilruse.ltr

Copies: Mr. Ed Webster, Ransome Company
 Ms. Amanda Spencer, Levine-Fricke
 Mr. Ric Notini, Catellus Development Corporation



MEMORANDUM

TO: Gaye Quinn
Harry Hecht
Lisa Newman
Robin Paige Donoghue
Pat Cashman

Amanda Spencer
Cynthia Barclay
Dennis Byrne
Kofi Bonner
Ric Notini

FROM: Dan Wormhoudt

SUBJECT: June 18, 1991 Emeryville Project Meeting

DATE: July 8, 1991

Enclosed please find a copy of a draft memorandum from Max Rodel of ESA that summarizes the discussions held June 18 in the offices of the City of Emeryville concerning hazardous materials site remediation and related issues for the East Baybridge Project EIR. We would appreciate your review of the memorandum and any comments or revisions that you think are in order.

If the memorandum is consistent with your recollection of the points covered and the agreements reached, we would appreciate your indicating that on a mark-up copy of the memorandum, if you have comments, or in a note or phone call. We will then proceed with preparation of the DEIR hazardous materials section on the basis of the memorandum's contents.

cc: Michael Rice
Kelly Moran
Max Rodel

38C

91 JUL -9 PM 2:03

M E M O R A N D U M

To: KDM, MR, DTW, 90276A file
From: MGR
Subject: Notes from YB Emeryville Project Meeting, 6/18/91
Date: 3 July 1991

Representatives of the applicant, concerned agencies, and their contractors met in Emeryville on 18 June 1991 to review the status of site remediation planning for the project and discuss how remediation and related issues should be handled in the hazardous materials section of the DEIR. The meeting was held at the Emeryville Planning Department offices. Present were:

Lisa Newman, City of Emeryville Planning Department
Robin Paige Donoghue, Attorney, Cassidy & Verges
Michael Rice, AIC, ESA
Dan Wormhoudt, Project Manager, ESA
Kelly Moran, ESA
Max Rodel, ESA
Ric Notini, Hazardous Material Specialist, Catellus
Amanda Spencer, Project Manager, Levine-Fricke
Cynthia Barclay, Levine-Fricke
Dennis Byrne, Senior Hazardous Materials Specialist, Alameda County Health Agency
Harry Hecht, City of Emeryville Department of Public Works

As a first priority, the roles of various agencies in the site remediation process were clarified. We learned that the Alameda County Health Agency is actively involved with project review and has assumed responsibility for review and approval of remediation plans. Dennis Byrne, the Agency's technical specialist, updated us on the status of remediation planning at the site. We also learned that Dennis acts for the Regional Water Quality Control Board in the review process, and that his approval will be the final word until the RWQCB reviews project documents at some future date. Dennis anticipates no cross-jurisdictional problems because he remains in close contact with the RWQCB, and consults with the agency on potentially controversial issues.

Similarly, the County has a Memorandum of Understanding with the California Department of Health Services, and acts for the State agency to enforce provisions of Title 22. ESA noted that DHS had provided a letter of response to the NOP, and that the letter had indicated DHS's interest in the site. Ric Notini stated that the DHS letter probably reflected DHS interest in the nearby Myers Drum site rather than the Catellus project site. Dennis

indicated that state involvement (via the Preliminary Environmental Assessment process) would occur only if hazardous wastes were to remain on the project after remediation was completed or if the County or project proponent requested assistance to resolve conflicts. Neither condition is expected to occur or apply at this site. On the basis of Dennis's information, the group concluded that direct involvement at the site by DHS or RWQCB would be unlikely.

Michael Rice summarized ESA's letter of 16 May to Gaye Quinn, Planning Director for the City of Emeryville, in which ESA had voiced concerns over the draft remediation plans for the project site. Dennis Byrne, Amanda Spencer, and Ric Notini provided information that resolved or allayed all our principal technical concerns, including the plan to encapsulate petroleum hydrocarbons on site, establishment of cleanup goals where appropriate, and the inadequacy of the remediation plan prepared by Aqua Resources, Inc. for the Ransome site. Specific responses were provided for each concern in ESA's letter (page numbers are included for reference):

In regard to ESA's concern over the absence of proposed metal extractability tests (p.6, bottom), Dennis responded that the County was not concerned over the possibility of extractable lead in soils because monitoring data has showed no lead in groundwater at the site. (The same situation presumably applies to the other Title 22 metals.)

Concerning cleanup goals for the perched groundwater and soil contaminated with petroleum (p.7, bottom), Amanda informed us that the remediation goal for soils in the area of perched groundwater was 500 mg/kg of hydrocarbons, and that the zone of contamination was apparently fully confined and well delineated.

Regarding our concern that encapsulating petroleum-contaminated soil on site might be disallowed by the County (p.8, top), Amanda and Dennis emphasized that Levine-Fricke's remediation plans are expected to be approved in full (i.e., the contaminated zone of perched groundwater and all Title 22 hazardous wastes will be excavated and removed, and petroleum-tainted soils will be encapsulated on site). Amanda reported that bioassay tests on petroleum-contaminated soils had yielded favorable results, with which Dennis concurred. She will provide us with the bioassay test results.

Concerning groundwater remediation (p.8, middle) Dennis noted that the groundwater monitoring program would go ahead as planned (and is anticipated to continue indefinitely).

In regards to ESA's concerns over inadequacies in the Aqua

Resources remediation plan for the Ransome property (pp.9-10), it was agreed all around that Aqua Resources's plan had been judged unacceptable. Dennis reported the Ransome site remediation plan is in the process of being revised to omit bioremediation and include excavation and removal of hazardous wastes, including the benzidine-contaminated area. Groundwater remediation at Ransome also will be addressed once groundwater characterization is complete. Characterization studies will not begin until contaminated surface material is removed. It was our understanding that remediation at Ransome was underway already and that hazardous hot spots were currently being excavated.

Ric Notini went on to indicate that Catellus is actively pressing the responsible party for full cleanup of the Ransome property. Ric gave Catellus's commitment to ensure the Ransome property will be remediated to the satisfaction of the County. That commitment might result in Catellus performing remedial activities at its own expense. Levine-Fricke is monitoring the situation closely for Catellus. Dennis added that if the site was not voluntarily cleaned up, the county would enforce cleanup requirements. County approval of the final remedial plan will be required. The revised remediation plan will not be ready for submittal until additional groundwater studies have been completed. Dennis believes the project site would be adequately remediated by the present plan, except for the Ransome property.

Kelly Moran pointed out that the legal adequacy of the EIR could be challenged if the remediation plan were found to be inadequate. We felt that to facilitate preparation of a defensible EIR, ESA would have to be apprised of changes in remediation plans and the progress of remediation. Both Amanda and Dennis agreed to copy ESA on pertinent correspondence and reports. Amanda will also provide us a copy of Levine-Fricke's Health and Safety plan for the project, which has been submitted to the County for approval. Dennis emphasized that the entire project area will contain no hazardous wastes after remediation has been completed. On that basis, he does not anticipate placing any deed restrictions. He stated that the cleanup would make the site appropriate for any kind of use, including residential.

We discussed possible approaches to handling hazardous wastes impacts and mitigation in the DEIR in the absence of complete and final remediation plans. Kelly suggested that the DEIR cover a range of impacts and mitigations, including a reasonable "worst case" scenario, such as groundwater extraction and treatment lasting several years. Amanda offered to prepare a written summary outlining a range of remediation scenarios. Ric indicated that Catellus should be able to document that the Health and Safety Plan would be applied to all instances where encapsulated materials might be disturbed after project

development, such as by excavation for utilities. Harry Hecht felt that such information would help protect Public Works personnel from potential hazards that might be unforeseen at present, and provide practical guidance on issues such as, for example, whether excavated soil from utility trenches could be used as backfill.

Ric offered some preliminary comments on ESA's hazardous materials section in the administrative DEIR. He suggested, and Robin Donoghue concurred, that the descriptions of hazards from individual contaminants be toned down or handled in a different manner. Ric and Robin both felt that the presentation as it stands might be unduly alarming to the public, and that it gave disproportionate emphasis to conditions prior to remediation instead of conditions after the site is cleaned up. We agreed to review our approach carefully and make sure the revised section reflected site conditions in an evenhanded manner. It was also decided that our description of agency responsibilities should be revised to reflect current conditions. Lisa Newman noted that all review comments on the draft would be provided later this week.

At the conclusion of the meeting, ESA expected to receive:

- updates whenever conditions at the site change through actions by Catellus or Ransome contractors (and these changes should be noted in the EIR),
- a copy of the bioassay test results from Levine-Fricke,
- a copy of Levine-Fricke's project Health and Safety Plan,
- a letter from Levine-Fricke, based on discussions with Dennis Byrne, giving a possible range of cleanup options at Ransome (for use in the EIR),
- copies of revised site assessments and remediation plans, when issued,
- any other relevant agency and contractor communications.

After the meeting, I showed our draft EIR figures to Amanda Spencer and Cynthia Barclay. The figures were intended to depict visually areas of the site that were contaminated. Amanda and Cynthia felt that we could use the area designations drawn for particular contaminants by Levin-fricke, but that we probably should not attempt to do this for other contaminants, most notably petroleum hydrocarbons. The contaminated areas are quite variable in degree of contamination, and uncontaminated zones are found in the midst of contaminated areas. Also, there is often no clear boundary between contaminated and uncontaminated areas, which is why Levin-Fricke did not provide boundary delineations for petroleum hydrocarbons in their reports, and why on-site encapsulation was proposed in the remediation plan instead of excavation of contaminated areas. Providing questionable figures in the DEIR would be an oversimplification that might mislead the public, unless we explained and justified our methods carefully.



91 JUL -1 AM 11:13

LEVINE·FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

June 28, 1991

LF 1649.05

Mr. Dennis Byrne
Alameda County Health Agency
80 Swan Way, Suite 200
Oakland, California 94621

~~Subject: Potential Remedial Options for Ground Water~~
at the Former Ransome Property on the
Yerba Buena Project Site
Emeryville, California

Dear Dennis:

This letter confirms our telephone conversation of Wednesday, June 26, 1991, concerning potential remedial options for chemical-affected ground water at the former Ransome property on the Yerba Buena Project Site in Emeryville, California. As we discussed, further characterization of ground water is necessary at the Ransome site before actual remediation strategies can be addressed. However, as we also discussed, "best-case/worst-case" cleanup scenarios could be developed for Ransome ground-water remediation at this time.

The best-case scenario for the Ransome site would be quarterly monitoring for one to two years. Monitoring would track chemical concentrations in the ground water to assess whether the concentrations decreased, increased, or remained the same over time. Remediation strategies might have to be adjusted if the concentrations of petroleum hydrocarbons and associated compounds increase with time. Monitoring would be appropriate if chemical concentrations detected in the ground water were below regulatory cleanup levels.

As we discussed, implementation of a ground-water extraction and treatment system is representative of the worst-case scenario for addressing potential remediation of ground water at the Ransome site. Under this scenario, ground water would be extracted using extraction wells or a trench system (french drain). The extracted ground water would be treated using the method deemed most appropriate for the chemicals and concentrations detected (e.g., carbon absorption, bioremediation). During and for about a year following the ground-water extraction and treatment, a quarterly monitoring program would likely be required by the agencies to assess the effectiveness of the treatment program.

37

1900 Powell Street, 12th Floor
Emeryville, California 94608
(415) 652-4500
FAX (415) 652-2246

LEVINE·FRICKE

As we discussed, because the quality of ground water beneath the Ransome site has not been fully characterized to date, it is too early to discuss a specific remediation program at this time for ground water at Ransome.

If you have any questions regarding this summary of our telephone conversation, please call me.

Sincerely,

Cynthia Barclay
Project Geologist

cc: Mike Rice, Environmental Science Associates
Ric Notini, Catellus
Pat Cashman, Catellus
Don Marini, Catellus
Lisa Newman



91 JUN 21 PM 3: 27
File 90276A

TRANSMITTAL

Date June 19, 1991

- Attached
- Under Separate cover
- In the mail
- Via messenger
- Via Federal Express
- Fax to () -

To **Dennis Byrne**
Senior Hazardous Materials Specialist
Division of Hazardous Materials
Department of Environmental Health
800 Swan Way, Room 200
Oakland, California 94621

Items **DHS letter of May 9, 1990 responding to EIR Notice of Preparation.**

**Environmental
 Science
 Associates, Inc.**

301 Brannan Street
 Suite 200
 San Francisco
 California
 94107-1811
 (415) 896-5900
 FAX 896-0332

Los Angeles
 Sacramento

Remarks **Thanks for your input at the meeting Tuesday.**

(I expect we'll be speaking with you again.)

Sent by **Kelly D. Moran**

Kelly

If items are not as noted,
 please inform us immediately

Copies to **90276A Trans
 Chrono**

36 C



2030 Addison Street, Suite 500 • Berkeley, California 94704 • 415 540-6954

May 31, 1991

Catellus Development Corporation
210 Mission Street, Suite 250
San Francisco, California 94105

90239.3
file: correspondence

Attention: Mr. Don Marini

Subject: Notification of Start of Remediation
4030 Hollis Street, Emeryville

Dear Don:

In conformance with the terms of the Site Entry Permit, this letter is written as formal notification that remediation activities will begin at the above referenced site beginning June 5, 1991. Ransome's remediation contractor will begin mobilizing equipment to the site and performing site preparation work commencing May 31, 1991. Actual excavation of soil is anticipated to begin on June 5, 1991. If you have any questions, please contact the undersigned.

Very truly,
AQUA RESOURCES INC.

Mark Milani, P.E.
Project Manager

90239.3/disk1/remnotc.ltr

Copies: Mr. Ed Webster, Ransome Company
Mr. Jim Arnold, Severson & Werson
Ms. Cindy Barclay, Levine-Fricke
Mr. Dennis Byrne, Alameda County Health Agency

330

BAY AREA WAREHOUSE CO.

8707 SAN LEANDRO STREET
OAKLAND, CA 94621-1292

April 9, 1991

U.S. CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Prem P. Chaudhri
Asset Manager
Catellus
201 Mission Street, Suite 250
San Francisco, Ca. 94105

RE: Payment of Underground Storage Tank Fees for
4001 Hollis Street, Emeryville, California

Dear Mr. Chaudhri:

Regarding your letter of April 2, 1991 requesting Bay Area Warehouse to pay for the permit covering the underground storage tank.

When Bay Area Warehouse assumed the lease for the property at 4001 Hollis Street, Emeryville, California in 1973 the underground storage tank was part of the facility. As part of the lease agreement with the Santa Fe Railway, Bay Area Warehouse was to maintain the building and grounds. When the laws changed, Bay Area Warehouse advised the state and county that there was an underground tank on the property. Due to the size of the storage tank a recovery system was not required but the county wanted a permit issued for the tank.

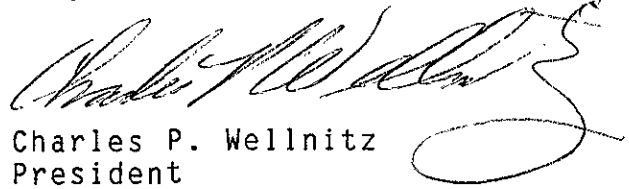
At that time Bay Area Warehouse had not been advised that the property was being sold to Catellus and that Bay Are Warehouse would be forced to move their operation to a new location. So when the county requested a permit for the tank, Bay Area Warehouse used their company name as they knew that they would be responsible for the cost of the permit under the lease as long as they occupied this property. It was not our intent to show ownership of the tank but current user.

Bay Are Warehouse was issued a temporary permit at that time subject to an inspection of the tank but before this inspection was done Bay Area Warehouse was requested to vacate the property which was completed on October 30, 1990 and before leaving Bay Area Warehouse drained the tank.

With the close of the Bay Area Warehouse operation and the termination of the lease as of October 30, 1990 at the 4001 Hollis Street address, Bay Area Warehouse has no further obligations regarding this building, which has been destroyed, or the property involved.

320

Very truly yours,

A handwritten signature in cursive script, appearing to read "Charles P. Wellnitz". The signature is fluid and extends to the right, ending in a large, sweeping loop.

Charles P. Wellnitz
President

Enclosures

cc: Alameda County Health
Care Services Agency
P.O. BOX 28924
Oakland, Ca. 94604

CPW/bw

C A T E L L U S



April 2, 1991

U.S. CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Charles P. Wellnitz
President
Bay Area Warehouse Company
8707 San Leandro Street
Oakland, CA 94621-1292

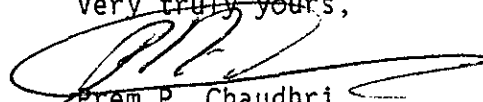
RE: Payment of Underground Storage Tank Fees for
4001 Hollis Street, Emeryville, California

Dear Mr. Wellnitz:

Enclosed please find a copy of an invoice we recently received from the County of Alameda assessing a \$144.00 annual fee against your underground fuel storage tank at the property located at 4001 Hollis Street, Emeryville, California.

As the owner of the tank, it is incumbent upon you to pay to the County the assessed fees. For your reference, we have also enclosed a copy of your permit application to operate the tank that identifies Bay Area Warehouse as the tank's owner.

Very truly yours,


Prem P. Chaudhri
Asset Manager

Enclosures

cc: Alameda County Health
Care Services Agency
P.O. Box 28924
Oakland, CA 94604

WPPCXF104

CATELLUS DEVELOPMENT CORPORATION

201 MISSION STREET, SUITE 250 • SAN FRANCISCO, CALIFORNIA 94105 • TEL 415 974-4585 FAX 415 974-4651

1148101

XXXXXX

**COUNTY OF ALAMEDA
HEALTH CARE SERVICES AGENCY**
ENVIRONMENTAL HEALTH BILLING
P.O. BOX 28884 OAKLAND, CA 94604
PHONE: (415) 871-4874
FAX: (415) 871-4888

MAILING
ADDR.

CATELLUS DEVELOPMENT CORP
201 MISSION ST. 30TH FLOOR
SAN FRANCISCO CA 94105

PREMIER
ADDR.

BAY AREA WAREHOUSE
4001 HOLLIS ST
EMERYVILLE CA 94608

ACCOUNT NO.	BLD	PURCHASE OR	SHIP TO	BLD DATE	TERR	DTY. DATE
T31067	21		1991 Charges	03/01/90	NET 30	03/01/91

QTY FEE	QTY FEE	COMPUTER CODE	DESCRIPTION	PRICE/EA	EXT. PRICE
1	1	021	TANK CONTAINER - ONE	144.00	144
<p>THESE ARE YOUR ANNUAL UNDERGROUND STORAGE TANK FEES - PLEASE INCLUDE YOUR ACCOUNT # ON YOUR CHECK - ALL FEES WERE INCREASED 1/1/91.</p>					

2% PENALTY - 30 DAYS FROM INVOICE DATE
FOR EXPLANATION OF FEE SEE BACK OF INVOICE

FEE AMOUNT	144.0
	0.0
DEPOSIT	
FEE TOTAL	144.0

Permit Application



<input type="checkbox"/> a1 New Permit	<input checked="" type="checkbox"/> a2 Installed before July 1, 1984	<input type="checkbox"/> a3 Renewed Permit	<input type="checkbox"/> a4 Amended Permit
<input type="checkbox"/> a5 Provisional Permit	<input type="checkbox"/> a6 Installed after July 1, 1984		

I Owner

Name (Corporation, Individual or Public Agency) WELSON, INC. dba BAY AREA WAREHOUSE CO.			
Street Address 4001 HOLLIS ST.	City EMERYVILLE,	State CA	ZIP 94608

II Facility

Facility Name BAY AREA WAREHOUSE CO.		Department/Supervisor	
Street Address 4001 HOLLIS ST.		Nearest Cross Street YURBA BUENA	
City EMERYVILLE, CA.		County ALAMEDA	ZIP 94608
Mailing Address PO BOX 8434		City EMERYVILLE,	State ZIP CA 94608
Phone Number 415 653-1166		Type of Business <input type="checkbox"/> a1 Gasoline Station <input checked="" type="checkbox"/> b Other: PUBLIC WAREHOUSE	
NUMBER OF CONTAINERS AT THIS FACILITY 1	Rural Area Only	Township EMERYVILLE	Range

III 24 Hour Emergency Contact Person

Daytime Name (last name first) and Phone w/ area code G.R. NELSON/C.P. WELLNITZ 415-653-1166		Nighttime Name (last name first) and Phone w/ area code G.R. NELSON 415 837-7090 C.P. WELLNITZ 415 462-1668	
--	--	---	--

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. <input checked="" type="checkbox"/> a1 Tank <input type="checkbox"/> a2 Other: _____		Container Number (if more than one, number each one) 01
B. Manufacturer (if appropriate): _____ Year of Mfg.: 1965		C. Year Installed: 1965 <input type="checkbox"/> Unknown
D. Container Capacity: 2000 gallons <input type="checkbox"/> Unknown	E. Does the Container Store (Check One): <input type="checkbox"/> a1 Waste <input checked="" type="checkbox"/> a2 Product	
F. Does the Container Store Motor Vehicle Fuel or Waste Oil? <input checked="" type="checkbox"/> b1 Yes <input type="checkbox"/> b2 No If Yes, Check appropriate box(es): <input checked="" type="checkbox"/> c1 Unleaded <input type="checkbox"/> c2 Regular <input type="checkbox"/> c3 Premium <input type="checkbox"/> c4 Diesel <input type="checkbox"/> c5 Waste Oil <input type="checkbox"/> c6 Other (List): _____ If you answered yes; do not complete Part VIII.		

V Container Construction

A. Thickness of Primary Containment _____ <input type="checkbox"/> Gauge <input type="checkbox"/> Inches <input checked="" type="checkbox"/> cm <input type="checkbox"/> Unknown	
B. <input type="checkbox"/> a1 Vaulted (Located in an underground Vault.) <input type="checkbox"/> a2 Non-vaulted <input checked="" type="checkbox"/> a3 Unknown CONCRETE SLAB ON TOP	
C. <input type="checkbox"/> b1 Double Walled <input type="checkbox"/> b2 Single Walled <input type="checkbox"/> b3 Lined	
D. <input type="checkbox"/> c1 Carbon Steel <input type="checkbox"/> c2 Stainless Steel <input type="checkbox"/> c3 Fiberglass <input type="checkbox"/> c4 Polyvinyl Chloride <input type="checkbox"/> c5 Concrete <input type="checkbox"/> c6 Aluminum	
<input type="checkbox"/> c7 Steel Clad <input type="checkbox"/> c8 Bronze <input type="checkbox"/> c9 Composite <input type="checkbox"/> c10 Non-metallic <input type="checkbox"/> c11 Earthen Walls	
<input checked="" type="checkbox"/> c12 Unknown <input type="checkbox"/> c13 Other: _____	

Container Construction

E. Rubber Lined Alkyd Lining Epoxy Lining Phenolic Lining Glass Lining Clay Lining

Unlined Unknown Other: _____

F. Polyethylene Wrap Vinyl Wrapping Cathodic Protection

Unknown None Tar or Asphalt Other

VI Piping

A. Aboveground Piping: Double-walled pipe Concrete-lined trench Gravity Pressure Suction
 [(Check) appropriate boxed] Unknown None

B. Underground Piping: Double-walled pipe Concrete-lined trench Gravity Pressure Suction
 [(Check) appropriate boxed] Unknown None

VII Leak Detection

Visual Stock Inventory Tie Drain Vapor Sniff Wells Sensor Instrument

Ground Water Monitoring Wells Pressure Test Internal Inspection None

Other: TANK WAS TESTED OK OCT, 1986

VIII Chemical Composition of Materials Currently or Previously Stored in Underground Containers
 If you checked yes to IV-F you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Checked Do Not Use Chemical Name (Use chemical page to help fill)																
<input type="checkbox"/>	<input type="checkbox"/>																		
<input type="checkbox"/>	<input type="checkbox"/>																		
<input type="checkbox"/>	<input type="checkbox"/>																		

Is Container located on an Agricultural Farm? Yes No

Person Filing (Signature) G. R. NELSON V.P. *[Signature]* 10/5/87 Phone # (area code) 415 653-1166

For Local Agency Use Only

PERMIT NO.	CITY	COUNTY
PERMIT PERSON	PHONE #/AREA CODE	
INSPECTION DATE (1ST INSPECTION)	PERMIT APPROVAL DATE	PERMIT ID. NUMBER

FOR STATE USE ONLY

STATE ID. NUMBER	Accounting Number	County Number
Date Received	<input type="checkbox"/>	<input type="checkbox"/>

C A T E L L U S



April 2, 1991

U.S. CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Charles P. Wellnitz
President
Bay Area Warehouse Company
8707 San Leandro Street
Oakland, CA 94621-1292

RE: Payment of Underground Storage Tank Fees for
4001 Hollis Street, Emeryville, California

Dear Mr. Wellnitz:

Enclosed please find a copy of an invoice we recently received from the County of Alameda assessing a \$144.00 annual fee against your underground fuel storage tank at the property located at 4001 Hollis Street, Emeryville, California.

As the owner of the tank, it is incumbent upon you to pay to the County the assessed fees. For your reference, we have also enclosed a copy of your permit application to operate the tank that identifies Bay Area Warehouse as the tank's owner.

Very truly yours,

Prem P. Chaudhri
Asset Manager

Enclosures

cc: Alameda County Health
Care Services Agency
P.O. Box 28924
Oakland, CA 94604

WPPCXF104

31C

DP 08 1991

LXXXXX

**COUNTY OF ALAMEDA
HEALTH CARE SERVICES AGENCY
ENVIRONMENTAL HEALTH BILLING
P.O. BOX 20004 OAKLAND, CA 94604
PHONE: (415) 871-4870
FAX: (415) 871-4888**

MAILING
ADDRESS

CATELLUS DEVELOPMENT CORP
201 MISSION ST. 30TH FLOOR
SAN FRANCISCO CA 94105

ADDRESS
ADDRESS

BAY AREA WAREHOUSE
4001 HOLLIS ST
EMERYVILLE CA 94608

ACCOUNT NO.	BLD	PURCHASE OR	DEPT NO	DUPLICATE	TERMS	DUPLICATE
T31067	21		1991 Charges		NET 30	

QTY	UNIT	COMPUTER CODE	DESCRIPTION	PRICE/EA	EXT. PRICE
1		021	TANK CONTAINER - ONE	144.00	144
<p>THESE ARE YOUR ANNUAL UNDERGROUND STORAGE TANK FEES - PLEASE INCLUDE YOUR ACCOUNT # ON YOUR CHECK - ALL FEES WERE INCREASED 1/1/91.</p>					

8% PENALTY - 30 DAYS FROM INVOICE DATE
FOR EXPLANATION OF FEE SEE BACK OF INVOICE

FEE AMOUNT	144.00
	0.00
DEPOSIT	
FEE TOTAL	144.00

Permit Application



<input type="checkbox"/> 01 New Permit	<input checked="" type="checkbox"/> 02 Installed before July 1, 1984	<input type="checkbox"/> 03 Renewed Permit	<input type="checkbox"/> 04 Amended Permit
<input type="checkbox"/> 02 Provisional Permit	<input type="checkbox"/> 04 Installed after July 1, 1984		

I Owner

Name (Corporation, Individual or Public Agency) WELLSON, INC. dba BAY AREA WAREHOUSE CO.			
Street Address 4001 HOLLIS ST.	City EMERYVILLE,	State CA	ZIP 94608

II Facility

Facility Name BAY AREA WAREHOUSE CO.		Operator/Foreman/Supervisor	
Street Address 4001 HOLLIS ST.		Nearest Cross Street YURBA BUENA	
City EMERYVILLE, CA.		County ALAMEDA	ZIP 94608
Mailing Address PO BOX 8434		City EMERYVILLE,	State ZIP CA 94608
Phone w/area code 415 653-1166		Type of Business <input type="checkbox"/> 01 Gasoline Station <input checked="" type="checkbox"/> 02 Other PUBLIC WAREHOUSE	
NUMBER OF CONTAINERS AT THIS FACILITY 1	Rural Areas Only	Township EMERYVILLE	Range

III 24 Hour Emergency Contact Person

Name (last name first) and Phone w/area code G.R. NELSON/C.P. WELLNITZ 415-653-1166	Name (last name first) and Phone w/area code G.R. NELSON 415 837-7090 C.P. WELLNITZ 415 462-1668
---	--

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. <input checked="" type="checkbox"/> 01 Tank <input type="checkbox"/> 02 Other _____		Container Number (if there is no number, assign one) 01
B. Manufacturer (if appropriate): _____	Year of Mfg.: 1965	C. Year Installed: 1965 <input type="checkbox"/> Unknown
D. Container Capacity: 2000 gallons <input type="checkbox"/> Unknown	E. Does the Container Store (Check One): <input type="checkbox"/> 01 Waste <input checked="" type="checkbox"/> 02 Product	
F. Does the Container Store Motor Vehicle Fuel or Waste Oil? <input checked="" type="checkbox"/> 01 Yes <input type="checkbox"/> 02 No If Yes, Check appropriate box(es): <input checked="" type="checkbox"/> 01 Unleaded <input type="checkbox"/> 02 Regular <input type="checkbox"/> 03 Premium <input type="checkbox"/> 04 Diesel <input type="checkbox"/> 05 Waste Oil <input type="checkbox"/> 06 Other (List): _____ If you answered yes; do not complete Part VIII.		

V Container Construction

A. Thickness of Primary Containment. _____ <input type="checkbox"/> Gauge <input type="checkbox"/> Inches <input type="checkbox"/> cm <input checked="" type="checkbox"/> Unknown	
B. <input type="checkbox"/> 01 Vaulted (Located in an underground Vault.) <input type="checkbox"/> 02 Non-vaulted <input checked="" type="checkbox"/> 03 Unknown CONCRETE SLAB ON TOP	
C. <input type="checkbox"/> 01 Double Walled <input type="checkbox"/> 02 Single Walled <input type="checkbox"/> 03 Lined	
D. <input type="checkbox"/> 01 Carbon Steel <input type="checkbox"/> 02 Stainless Steel <input type="checkbox"/> 03 Fiberglass <input type="checkbox"/> 04 Polyvinyl Chloride <input type="checkbox"/> 05 Concrete <input type="checkbox"/> 06 Aluminum	
E. <input type="checkbox"/> 07 Steel Cist <input type="checkbox"/> 08 Bronze <input type="checkbox"/> 09 Composite <input type="checkbox"/> 10 Non-metallic <input type="checkbox"/> 11 Earthen Walls	
F. <input checked="" type="checkbox"/> 12 Unknown <input type="checkbox"/> 13 Other: _____	

Container Construction

E. Rubber Lining Alkyd Lining Epoxy Lining Phenolic Lining Glass Lining Clay Lining
 Unlined Unknown Other: _____

F. Polyethylene Wrap Vinyl Wrapping Cathodic Protection
 Unknown None Tar or Asphalt Other

VI Piping

A. Aboveground Piping: Double-walled pipe Concrete-lined trench Gravity Pressure Suction
 [(Check) appropriate boxes] Unknown None

B. Underground Piping: Double-walled pipe Concrete-lined trench Gravity Pressure Suction
 [(Check) appropriate boxes] Unknown None

VII Leak Detection

Visual Stock Inventory Tie Drain Vapor Sniff Wells Sensor Instrument
 Ground Water Monitoring Wells Pressure Test Internal Inspection None
 Other: TANK WAS TESTED OK OCT. 1986

VIII Chemical Composition of Materials Currently or Previously Stored in Underground Containers
 If you checked yes to IV-F you are not required to complete this section

currently stored	previously stored	CAS # (if known)	Chemical Name (Use common name if appropriate)
<input type="checkbox"/> Yes	<input type="checkbox"/> No		
<input type="checkbox"/> Yes	<input type="checkbox"/> No		
<input type="checkbox"/> Yes	<input type="checkbox"/> No		

Is Container located on an Agricultural Farm? Yes No

Person Filing (Signature) G. R. NELSON V.P. 11/5/87 Phone # (Area Code) 415.653.1166

For Local Agency Use Only

AGENCY NAME	CITY	COUNTY
CONTACT PERSON	PHONE #/AREA CODE	
INSPECTION DATE (BY INSPECTION?)	PERMIT APPROVAL DATE	PERMIT ID. NUMBER

FOR STATE USE ONLY

STATE ID. NUMBER	Accounting Number	County Number
Date Received	<input type="checkbox"/> 11	<input type="checkbox"/> 00

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

8 March 1991

Amanda Spencer
Levine-Fricke
1900 Powell Street
12th Floor
Emeryville, CA 94608

Subject: Underground Storage Tank Closure at 3871 San Pablo Avenue,
Emeryville.

Dear Ms. Spencer:

As per your request a copy of all pertinent documentation regarding the removal of a 10,000 gallon diesel underground storage tank from the former Clipper Exxpress facility at the address listed above is being sent. Documentation submitted with this letter include:

- * The analytical data from soil samples collected during the tank removal.
- * The hazardous waste manifest documenting the proper disposal of the tank.
- * A cover letter from the contractor, Scott Company, requesting closure of the project.
- * A letter from this office to Clipper Exxpress certifying that the underground tank closure had been conducted in conformance with the requirements of Title 23.

If you have any questions concerning this matter, please contact me at (415)271-4320.

Sincerely,


Dennis J. Byrne
Senior Hazardous Materials Specialist

38C

cc: Rafat Shahid, Assistant Director, Alameda County Department of
Environmental Health.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

5 March 1991

Rick Notini
Catellus Development Corporation
201 Mission Street
Suite 250
San Francisco, CA 94105

Subject: Remedial Plan for the Yerba Buena Project in Oakland.

Dear Mr. Notini:

Thank you for the remedial plan, dated 11 February 1991, prepared by Levine-Fricke and submitted to this office. A review of this plan has been completed and approval is granted for implementation of the following components:

- * The physical excavation of lead and zinc contaminated soils for disposal as hazardous waste.
- * The physical excavation of PCB contaminated soil to a residue of no greater than one part per million.
- * The installation of a French Drain along the west side of Hollis Street for the collection of ground water.
- * The installation of additional ground water monitoring wells.

Approval of the proposed encapsulation of hydrocarbon contaminated soil as described in the remedial plan will be granted upon the completion of the fish bioassay study and submittal of this data for review.

29C

Rick Notini
Catellus Development Corp.
201 Mission Street
Suite 250
San Francisco, CA 94105
Re. Yerba Buena Remedial Plan
5 March 1991
Page 2 of 2

The contents of this letter have been discussed with Amanda Spencer of Levine-Fricke. If you have any questions concerning this matter, please contact me at (415)271-4320.

Sincerely,


Dennis J. Byrne
Senior Hazardous Materials Specialist

cc: Lester Feldman, SFBRWQCB
Tom Gandesbery, SFBRWQCB
Howard Hatayama, DOHS
Rafat Shahid, Assistant Director, Alameda County Department
of Environmental Health.
Don Marini, Catellus Development Corp.
Amanda Spencer, Levine-Fricke

FILE
1649

MED-TOX

ASSOCIATES, INC

PAGE 1 OF 1

ENVIRONMENTAL & OCCUPATIONAL

SA

23C

SA

Address Invoice To:

Reporting Information:

1. Client: LF

Address: _____

Contact: Peng Leong

Alt. Contact: _____

Address Report To:

2 _____

3 _____

Send Report To: Dr 212

Client Project/P.O.#: _____

Sample Team Member: _____

Lab Number	Specimen ID
Q1A	BB-3
Q2A	BB-3
Q3A	BB-33
Q4A	BB-33
Q5A	BB-33
Q6A	BB-40
Q7A	BB-42
Q8A	BB-42
Q9A	BB-43
Q10A	BB-43
Q11A	BB-44-2
Q12A	BB-44-4
Q13A	BB-45-2
Q14A	BB-46-4

Requisitioned by: _____

Requisitioned by: _____

Requisitioned by: _____

Method of Shipment: _____

Sample type (Specify): _____

MEMORANDUM



91 FEB 13 AM 9:52

LEVINE-FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

February 11, 1991

LF 1649

Mr. Dennis Byrne
Alameda County Health Agency
80 Swan Way, Suite 200
Oakland, California 94621

Subject: Draft Site Remedial Plan, Yerba Buena Project Site
Emeryville and Oakland, California

Dear Dennis:

Enclosed please find a draft copy of the subject report. The proposed Remedial Plan for the Yerba Buena Project Site is essentially the same as discussed in our December 1990 meeting with you, Lester Feldman and Tom Gandesbury of the Regional Water Quality Control Board (RWQCB), and Pat Cashman and Don Marini of Catellus Development Corporation (Catellus). The plan includes excavation and off-site disposal of soils impacted by PCBs (near location B26 in the north-central portion of the Site), and lead and/or zinc (near location C17 in the western portion of the Site and A5 in the eastern portion of the Site); excavation and off-site disposal of soil and perched water affected by petroleum hydrocarbons; containment of TPH-affected soil (in the eastern and western areas of the Site) with monitoring of ground water for TPH and containment of VOC-affected ground-water in the southeastern portion of the Site using a ground-water collection trench and treatment of extracted ground water.

Per your verbal approval in the December 1990 meeting, we have initiated the permitting/landfill acceptance process for disposal of the PCB- and lead/zinc-affected soils so that excavation activities can begin as soon as possible. A health and safety plan covering the excavation work is currently being prepared and will be submitted to you for your review prior to the initiation of excavation.

28C

1900 Powell Street, 12th Floor
Emeryville, California 94608
(415) 652-4500
FAX (415) 652-2246

LEVINE·FRICKE

As Catellus hopes to initiate site development plans within the next six months, comments on and/or approval of the enclosed Remedial Plan within the next two weeks would be greatly appreciated. If you have any questions, please do not hesitate to call me or Jim Levine.

Sincerely,

A handwritten signature in black ink that reads "Amanda Spencer". The signature is written in a cursive, flowing style.

Amanda Spencer
Senior Project Hydrogeologist

cc: Tom Gandesbury, RWQCB
Ric Notini, Catellus
Pat Cashman, Catellus
Don Marini, Catellus

LEVINE•FRICKE

FACSIMILE COVER SHEET

Date	2-5-91	
Time	4:00 pm	
Deliver to	Dennis Byrne	
Name of Firm	Alameda County Health Care	
Fax Phone No.	568-3706	LEF Project No. 1649
TO/COM	Cindy Barclay	

Number of pages: 4 (including cover page) page(s)

For more information call: (415) 652-4500

For more information call: (415) 652-4243

Facsimile Operator:

Any questions or inquiries about missing pages or unreadable copy, please call (415) 652-4500

Remarks:

Dennis,

Here are the comments we sent to Mark
Marian. Also, I checked with Amanda and
Mark and it sounds like 1:00 pm on Thursday
the 7th will be the best time for everyone.

Cindy Barclay

27C

1900 POWELL ST., 12th FLOOR
EMERYVILLE, CA 94608
(415) 652-4500

Other offices in Irvine, CA; Sacramento/Roseville, CA; and Tallahassee, FL.



LEVINE-FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

February 5, 1991

LF 1649

Mr. Mark Milani
 Aqua Resources, Inc.
 2030 Addison Street, Suite 500
 Berkeley, California 94704

Subject: Levine-Fricke Comments on Aqua Resources, Inc.
 Ground-Water Investigation and Monitoring Program for
 the Former Ransome Company Property on the Yerba
 Buena Project Site, Emeryville, California

Dear Mark:

This letter presents our general comments on the additional ground-water investigation and monitoring program for the former Ransome Company property that was proposed in the Aqua Resources, Inc. (ARI) "Remedial Investigation and Closure Plan for Former Corporation Yard Site, 4030 Rollis Street, Emeryville, California," dated December 20, 1990, and prepared by ARI for the Ransome Company, Inc. The former Ransome Corporation Yard site is part of a larger parcel (the Yerba Buena Project Site) owned by Castellus Development Company (Castellus). Levine-Fricke's review of the December 20, 1990 ARI report was performed on behalf of Castellus.

The following comments describe some of the ground-water issues we hope to discuss with you and Dennis Byrne of the Alameda County Health Care Services Agency at the meeting tentatively scheduled for 10:00 am Tuesday, February 7, 1991. The purpose of the meeting will be to develop a ground-water investigation and monitoring program that will best address ground-water conditions of the Ransome site.

COMMENTS

Sections 3.3.2, 3.4.2, pages 8, 13 - 14; Figures 3.1 and 3.2

Topic: Location of monitoring well W-8 and its proximity to sampling location B-14.

Issues: It is stated in the December 20, 1990 report (page 8) that the new monitoring wells were located downgradient of probable sources of contamination established by previous soil and "grab" ground-water sampling. It is also stated (page 18)

LF 1649/1649RNSM.RVV

1900 Powell Street, 12th Floor
 Emeryville, California 94608
 (415) 652 4600
 FAX (415) 652-2240

Other offices in Irvine, CA, Sacramento, Roseville, CA, and San Francisco

LEVINE-FRICKE

that monitoring well W-2 is located 70 feet downgradient of "grab" ground-water sampling location B-14, which had the highest ground-water concentrations observed during ARI's "grab" ground-water sampling event at this site. It is concluded that ground-water has not been significantly impacted in the vicinity of B-14 (the former debris pile area) because of the low concentrations detected in well W-2. However, the results from a well located 70 feet downgradient of location B-14 do not necessarily mean there is no affected ground-water or floating fuel product closer to location B-14.

Soil samples collected in the vicinity of sampling location B-14 had elevated concentrations of total petroleum hydrocarbons (TPH) as gasoline (309 parts per million [ppm]) and 2.4 ppm benzene, 2.8 ppm toluene, 55 ppm xylenes, and 2.9 ppm ethylbenzene (ETX) at a depth of 5 feet. Results from Levine-Fricke's sampling at the site indicated similar concentrations at a depth of 9 feet. These elevated concentrations in soil near the ground-water table (ground-water was reported at 8 to 11 feet below grade) often correspond to the presence of floating fuel product on the ground-water surface. Well W-2 is not located close enough to B-14 to assess the possible presence of floating product at that location.

Ground-Water Quality Downgradient of Fuel Pump Island

Topic: Assessment of ground-water quality in the vicinity of the fuel pump island where significant concentrations of TPH and ETX in soil were detected to depths of 10.5 feet.

Impact: The possible presence of floating fuel product or the impact to shallow ground water in the vicinity of the former fuel pump island does not appear to have been investigated. Although it is noted in section 8.2 (page 31) that there was a potential for floating fuel product or shallow ground-water impact, a well was not installed downgradient of the former fuel pump island area. Soil sampling results from work conducted by both Levine-Fricke and ARI indicated that soil in fuel pump island area contained elevated concentrations of ETX (3.3 ppm or greater of benzene; 9.0 ppm or greater of toluene; 56.0 ppm or greater of xylenes; and 10.0 ppm or greater of ethylbenzene) and TPH as gasoline (510 ppm or greater) at depths between 7.5 and 10.5 feet (ground water was reported at 8 to 11 feet below grade).

It is not advisable to conclude (as stated in the December 20, 1990 report), based on the data obtained to date, that ground water at the site has not been significantly impacted by TPH

LF 1649/1649RNSM.RVV

LEVINE-FRICKE

or BTXE without fully investigating the area of the former fuel pump island.

Section 3.3.1 and 3.4.2, pages 7 - 8, 14

Topic: "Grab" ground-water sample collection depths.

Issues: The report generally states that the "grab" ground-water samples were collected at depths ranging from approximately 8 to 14 feet below grade. However, the collection depths for the specific boring locations are not provided either in the text or on the table on page 14.

Knowing the depth at which the "grab" ground-water samples were collected would assist in evaluating the usefulness of the data in assessing ground-water quality beneath the site, especially in areas where monitoring well data has not been obtained. Because TPH and BTXE compounds are lighter than water and will tend to float at the top of the water column, collecting samples at depths of 20 feet may indicate significantly lower concentrations than is representative of the ground-water quality. Grab ground-water samples collected by ARJ were taken at the site during our Phase I investigation of the York Plaza project. Six were collected at depths of 10 to 14 feet and indicated significantly higher concentrations of TPH and BTXE in shallow ground water at the site (Levine-Fricke, Aug. 15, 1990).

Section 3.3.2, pages 8 - 9

Topic: Sampling procedure for collection of ground-water samples from the new and existing monitoring wells.

Issues: The description of well development and sampling provided in the report does not adequately describe the procedures used by ARJ.

The description of well development and sampling procedures employed by ARJ does not indicate whether or not the monitoring wells were purged prior to well sampling. The information provided could be interpreted as indicating the wells were developed and purged up to two days prior to the actual sampling.

In sampling several wells at the site, Levine-Fricke staff observed that ARJ allowed at least one day to elapse between the time that they purged the monitoring wells and the time they collected the water samples for chemical analysis. These samples were then analyzed for volatile organic compounds.

LF 1649/1649RNSM.RVV

LEVINE FRICKE

If sampling occurred one to two days following well purging, the results of the ground-water sample analyses may not be representative of ground-water quality at the site. A significant portion of the volatile organic compounds originally present in the groundwater may have volatilized when exposed to the atmosphere for the length of time indicated. It would not be advisable to conclude that ground-water at the site has not been significantly affected by petroleum compounds, given the sampling protocol.

If you have any questions, or wish to discuss these comments further with me, please do not hesitate to call either of the undersigned. We look forward to talking with you at the meeting.

Sincerely,

William H. Fricke
 William H. Fricke
 Senior Hydrogeologist

Cynthia Barclay
 Cynthia Barclay
 Project Geologist

cc: [redacted]

cc: Robert, Environmental Development Company,
 10001 Byron, Alaska County Health Care Services Agency



LEVINE-FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

February 5, 1991

LF 1649

Mr. Mark Milani
Aqua Resources, Inc.
2030 Addison Street, Suite 500
Berkeley, California 94704

Subject: Levine-Fricke Comments on Aqua Resources, Inc.
Ground-Water Investigation and Monitoring Program for
the Former Ransome Company Property on the Yerba
Buena Project Site, Emeryville, California

Dear Mark:

This letter presents our general comments on the additional ground-water investigation and monitoring program for the former Ransome Company property that was proposed in the Aqua Resources, Inc. (ARI) "Remedial Investigation and Closure Plan for Former Corporation Yard Site, 4030 Hollis Street, Emeryville, California," dated December 20, 1990, and prepared by ARI for the Ransome Company, Inc. The former Ransome Corporation Yard site is part of a larger parcel (the Yerba Buena Project Site) owned by Catellus Development Company (Catellus). Levine-Fricke's review of the December 20, 1991 ARI report was performed on behalf of Catellus.

The following comments describe some of the ground-water issues we hope to discuss with you and Dennis Byrne of the Alameda County Health Care Services Agency at the meeting tentatively scheduled for 10:00 am Thursday, February 7, 1991. The purpose of the meeting will be to develop a ground-water investigation and monitoring program that will best address ground-water conditions at the Ransome site.

COMMENTS

Sections 3.3.2, 3.4.2, pages 8, 13 - 18; Figures 3.1 and 3.2

Topic: Location of monitoring well W-2 and its proximity to sampling location B-14.

Issues: It is stated in the December 20, 1990 report (page 8) that the new monitoring wells were located downgradient of probable sources of contamination established by previous soil and "grab" ground-water sampling. It is also stated (page 18)

26C

LF 1649/1649RNSM.RVV

1900 Powell Street, 12th Floor
Emeryville, California 94608
(415) 652-4500
FAX (415) 652-2246

that monitoring well W-2 is located 70 feet downgradient of "grab" ground-water sampling location B-14, which had the highest ground-water concentrations observed during ARI's "grab" ground-water sampling event at this site. It is concluded that ground-water has not been significantly impacted in the vicinity of B-14 (the former debris pile area) because of the low concentrations detected in well W-2. However, the results from a well located 70 feet downgradient of location B-14 do not necessarily mean there is no affected ground-water or floating fuel product closer to location B-14.

Soil samples collected in the vicinity of sampling location B-14 had elevated concentrations of total petroleum hydrocarbons (TPH) as gasoline (300 parts per million [ppm]) and 2.4 ppm benzene, 2.9 ppm toluene, 55 ppm xylenes, and 2.9 ppm ethylbenzene (BTXE) at a depth of 6 feet. Results from Levine·Fricke's sampling at the site indicated similar concentrations at a depth of 9 feet. These elevated concentrations in soil near the ground-water table (ground-water was reported at 8 to 11 feet below grade) often correspond to the presence of floating fuel product on the ground-water surface. Well W-2 is not located close enough to B-14 to assess the possible presence of floating product at that location.

Ground-Water Quality Downgradient of Fuel Pump Island

Topic: Assessment of ground-water quality in the vicinity of the fuel pump island where significant concentrations of TPH and BTXE in soil were detected to depths of 10.5 feet.

Issues: The possible presence of floating fuel product or the impact to shallow ground water in the vicinity of the former fuel pump island does not appear to have been investigated. Although it is noted in Section 8.2 (page 35) that there was a potential for floating fuel product or shallow ground-water impact, a well was not installed downgradient of the former fuel pump island area. Soil sampling results from work conducted by both Levine·Fricke and ARI indicated that soil in fuel pump island area contained elevated concentrations of BTXE (1.3 ppm or greater of benzene; 9.0 ppm or greater of toluene; 56.0 ppm or greater of xylenes; and 10.0 ppm or greater of ethylbenzene) and TPH as gasoline (510 ppm or greater) at depths between 7.5 and 10.5 feet (ground water was reported at 8 to 11 feet below grade).

It is not advisable to conclude (as stated in the December 20, 1990 report), based on the data obtained to date, that ground water at the site has not been significantly impacted by TPH

LEVINE·FRICKE

or BTXE without fully investigating the area of the former fuel pump island.

Section 3.3.1 and 3.4.2, pages 7 - 8, 14

Topic: "Grab" ground-water sample collection depths.

Issues: The report generally states that the "grab" ground-water samples were collected at depths ranging from approximately 8 to 24 feet below grade. However, the collection depths for the specific boring locations are not provided either in the text or on the table on page 14.

Knowing the depth at which the "grab" ground-water samples were collected would assist in evaluating the usefulness of the data in assessing ground-water quality beneath the site, especially in areas where monitoring well data has not been obtained. Because TPH and BTXE compounds are lighter than water and will tend to float at the top of the water column, collecting samples at depths of 24 feet may indicate significantly lower concentrations than is representative of the ground water quality. Grab ground-water samples collected by Levine·Fricke at the site during our Phase I investigation of the Yerba Buena Project Site were collected at depths of 10 to 15 feet and indicated significantly higher concentrations of TPH and BTXE in shallow ground water at the site (Levine·Fricke, Aug. 15, 1990).

Section 3.3.2, pages 8 - 9

Topic: Sampling protocol for collection of ground-water samples from the new and existing monitoring wells.

Issues: The description of well development and sampling provided in the report does not adequately describe the procedures used by ARI.

The description of well development and sampling procedures employed by ARI does not indicate whether or not the monitoring wells were purged prior to well sampling. The information provided could be interpreted as indicating the wells were developed and purged up to two days prior to the actual sampling.

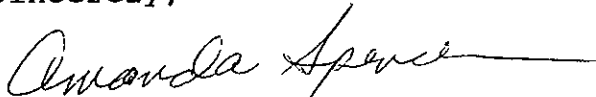
In sampling several wells at the site, Levine·Fricke staff observed that ARI allowed at least one day to elapse between the time that they purged the monitoring wells and the time they collected the water samples for chemical analysis. These samples were then analyzed for volatile organic compounds.

LEVINE-FRICKE

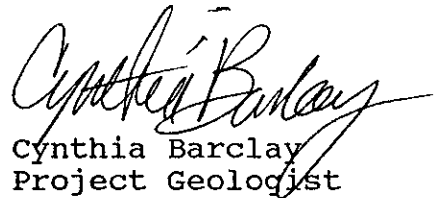
If sampling occurred one to two days following well purging, the results of the ground-water sample analyses may not be representative of ground-water quality at the site. A significant portion of the volatile organic compounds originally present in the ground-water may have volatilized when exposed to the atmosphere for the length of time indicated. It would not be advisable to conclude that ground-water at the site has not been significantly affected by petroleum compounds, given the sampling protocol.

If you have any questions, or wish to discuss these comments prior to the meeting, please do not hesitate to call either of the undersigned. We look forward to talking with you at the meeting.

Sincerely,



Amanda L. Spencer
Senior Project Hydrogeologist



Cynthia Barclay
Project Geologist

Enclosure

cc: Ric Notini, Catellus Development Company,
Dennis Byrne, Alameda County Health Care Services Agency

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

4 February 1991

S. Kinear Smith
Ransome Company
P.O. Box 8506
4030 Hollis Street
Emeryville, CA 94662

Subject: Soil and Groundwater Investigation being conducted at the former Ransome Company site, 4030 Hollis Street, Emeryville.

Dear Mr. Smith:

Thank you for the report prepared by Aqua Resources Incorporated, dated 16 January, 1991, and submitted to this office for review. This agency is satisfied in the quality of the soil investigation conducted at this site and approval is granted for the excavation of contaminated regions of the property as proposed in the Aqua Resources report. Please ensure that verification samples are collected in each excavation zone to ensure that no hydrocarbon contamination in excess of 1,000 parts per million remains. The absence of this verification sampling will hinder a final closure of the project in accordance with guidelines established by the Regional Board.

In the Aqua Resources report various options for the treatment of contaminated soil are proposed. The options specified include:

The on-site aeration of gasoline contaminated soil.

The on-site bioremediation of diesel and oil contaminated soil.

The transport of diesel and oil contaminated soil to an off-site location for bioremediation treatment.

The off-site transport of contaminated soil for landfill disposal.

This agency has no objection to the pursuit of these four options, however, please be aware that the involvement of other regulatory agencies may be involved and that prior to this office granting approval for the implementation of a specific treatment process assurance will be required that all appropriate requirements of other agencies are being met.

25c

S. Kinnear Smith
Ransome Company
P.O. Box 8506
4030 Hollis Street
Emeryville, CA 94662
Re. 4030 Hollis, Emeryville
4 February 1991
Page 2 of 3

The on-site aeration of gasoline contaminated soil may require the issuance of a permit from the Bay Area Air Quality Management District. Following the issuance of this permit or the granting of a waiver for the need for such a permit, approval for the implementation of this process will ensue.

The off-site transportation of contaminated soil for treatment at another location or landfill disposal will first require that this soil be characterized in accordance with § 66700 and § 66702 of Title 22 of the California Code of Regulations. Should this soil constitute hazardous waste, transport off-site will require adherence to the uniform hazardous waste manifest provisions of Title 13 of the CCR. An off-site location treating hazardous wastes must be licensed by the state as a hazardous waste treatment, storage and disposal facility.

If testing results determine that this soil constitutes hazardous waste, on-site treatment may proceed provided that a permit for the treatment is obtained from the Department of Health Services or that the Permit by Rule provisions of § 66392 of Title 22 of the CCR are strictly followed. If the soil constitutes non-hazardous waste than no such permit will be required for treatment. The specific classification of this soil must be completed prior to this agency granting approval for the implementation of a specific treatment proposal outlined in the Aqua Resources report.

Approval is granted for the installation of an additional groundwater monitoring well in the vicinity of the former fuel pump island. It is our understanding that this installation will take place following the completion of further soil excavation in this region.

As recommended in the Aqua Resources report, further groundwater monitoring is required at this site. Please be aware that further investigative actions may be required if a groundwater problem necessitating greater clarification is detected during this monitoring program. You can anticipate a minimum of one year of quarterly monitoring as being the minimum necessary to fulfill the requirements of the San Francisco Bay Regional Water Quality Control Board. The frequency of or need for further monitoring will be based upon the data derived during this first year.

S. Kinnear Smith
Ransome Company
P.O. Box 8506
4030 Hollis Street
Emeryville, CA 94662
Re. 4030 Hollis Emeryville
4 February 1991
Page 3 of 3

If you have any questions concerning this matter or the steps which must now be taken, please contact me at (415)271-4320. The contents of this letter have been discussed with Mark Milani of Aqua Resources Incorporated.

Sincerely,



Dennis J. Byrne
Senior Hazardous Materials Specialist

cc: Lester Feldman, SFBRWQCB
Howard Hatayama, DOHS
Rafat Shahid, Assistant Director, Alameda County Department of
Environmental Health.
Ric Notini, Catellus Development Corporation
Mark Milani, Aqua Resources Inc.
Amanda Spencer, Levine-Fricke

BILLING ADJUSTMENT FORM

Date: 1/25/91

H 91158

Pgm Affected Billing Acct.#	
<input checked="" type="checkbox"/> Generator . . . H	<u>32033</u>
<input checked="" type="checkbox"/> AB2185 . . . L	<u>2158</u>
<input type="checkbox"/> UGT T	

HazMat StID* : _____

Caller: _____ Phone: _____

Company Name : Ransome Company

Site Address : 4030 Hollis St Emeryville 94608
city zip

Requested Changes : _____

_____ Initials: _____

Inspectors' Conclusion

Rescind Bill for following reasons:

- No Hazardous Waste
- Qty's under 2185 Min.
- UGTanks removed
- Other _____
- Moved out of County
- Closed / Out of Business

at this address.

Continue Billing With Following Changes:

_____ Change number of EMPLOYEES	From: _____	To: _____
_____ Change number of TANKS	_____	_____
_____ AB2185: Changes attached		
_____ Reopen Site Address / New Owner		
Co. Name _____		
Owner _____	Phone _____	
_____ New Address		
Site Address _____	city _____	zip _____
Mail Address _____	city _____	zip _____

Inspector: Susan L. Hugo

Date: 1/25/91

HM Chg: <u>1/25/91</u>
<input type="checkbox"/> Sent to Billing on <u>1/28/91</u>
Rev 11/89 Mac-BillAdj

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name Kansome Today's Date 1/25/91
 Site Address 4030 Hollis St EPA ID# _____
 City Emeryville Zip 94608 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
 Hazardous Waste generated per month?

Inspection Categories:
 I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 II. Business Plans, Acute Hazardous Materials
 III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

- I.A GENERATOR (Title 22)**
- ___ 1. Waste ID * 66471
 - ___ 2. EPA ID 66472
 - ___ 3. > 90 days 66508
 - ___ 4. Label dates 66508
 - ___ 5. Biennial 66493
-
- Manifest**
- ___ 6. Records 66492
 - ___ 7. Correct 66484
 - ___ 8. Copy sent 66492
 - ___ 9. Exception 66484
 - ___ 10. Copies Rec'd 66492
-
- Misc.**
- ___ 11. Treatment 66371
 - ___ 12. On-site Disp. (H.S.&C.) 26189.5
 - ___ 13. Ex Haz. Waste 66570
-
- Prevention**
- ___ 14. Communications 67121
 - ___ 15. Aisle Space 67124
 - ___ 16. Local Authority 67126
 - ___ 17. Maintenance 67120
 - ___ 18. Training 67105
-
- Cont'n. gency**
- ___ 19. Prepared 67140
 - ___ 20. Name List 67141
 - ___ 21. Copies 67141
 - ___ 22. Emg. Coord. Trng. 67144
-
- Containers, Tanks**
- ___ 23. Condition 67241
 - ___ 24. Compatibility 67242
 - ___ 25. Maintenance 67243
 - ___ 26. Inspection 67244
 - ___ 27. Buffer Zone 67246
 - ___ 28. Tank Inspection 67259
 - ___ 29. Containment 67245
 - ___ 30. Safe Storage 67261
 - ___ 31. Freeboard 67257
-
- I.B TRANSPORTER (Title 22)**
- ___ 32. Applic./Insurance 66428
 - ___ 33. Comp. Cert./CHP Insp. 66448
 - ___ 34. Containers 66465
-
- Manifest**
- ___ 35. Vehicles 66465
 - ___ 36. EPA ID #s 66531
 - ___ 37. Correct 66541
 - ___ 38. HW Delivery 66543
 - ___ 39. Records 66544
-
- Cont'n**
- ___ 40. Name/ Covers 66545
 - ___ 41. Recyclables 66800

Comments:

*Business closed - would not
 at this address.
 According to business owner (Robert Skelton)
 he relocated to another place,
 1748 Julie Ann Way Oakland 94621*

Contact: _____
 Title: _____
 Signature: _____

Inspector: _____
 Signature: Susan L. Hugel

C A T E L L U S



November 19, 1990

90 DEC -4 AM 11:57

Mr. Dennis Burn
Alameda County Health Department
80 Swan Way
Suite 200
Oakland, CA 94621

Dear Dennis,

Thank you for taking the time to meet with us on November 8th regarding the Yerba Buena Project in Emeryville.

At your request, I am enclosing a check for \$1,000. payable to the County of Alameda for future review work in connection with the Yerba Buena Project.

(in. of Hill 13 + Yerba Buena)
Oakland

Sincerely,

Don Marini
Don Marini
Sr. Project Manager

cc: Pat Cashman
Amanda Spencer
Levine Fricke

WPPCMC56

220

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

14 September 1990

S. Kinnear Smith
Ransome Company
P.O. Box 8506
4030 Hollis Street
Emeryville, CA 94662

Subject: 4030 Hollis Street, Emeryville.

Dear Mr. Smith:

Thank you for the amended work plan prepared by Aqua Resources Incorporated for the environmental investigation of the former Ransome Company site listed above. This proposal has been reviewed and approval is granted for it's implementation.

If you have any questions concerning this matter, please contact me at (415) 271-4320.

Sincerely,

Dennis G. Byrne
Hazardous Materials Specialist

20C

cc: Lester Feldman, SFBRWQCB
Rafat Shahid, Assistant Director, Alameda County Department of
Environmental Health.
Ric Notini, Catellus Development Corporation
Mark Milani, Aqua Resources Inc.
Amanda Spencer, Levine-Fricke

FILES



2030 Addison Street, Suite 500 • Berkeley, California 94704 • 415 540-6954

August 23, 1990

Mr. Dennis Byrne, Hazardous Material Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, California 94621

90239.1/1
File: correspondence

Subject: Addendum No. 1
Draft Workplan for Initial Subsurface Investigation and Site Closure
Former Ransome Company Corporation Yard Site
4030 Hollis Street, Emeryville

Dear Mr. Byrne:

This letter confirms the revisions to the subject Workplan mutually agreed to at the meeting on Friday, August 17, 1990 held at your office. In attendance at this meeting were the following: Mr. Mark Milani with Aqua Resources Inc. (ARI), Ms. Amanda Spencer with Levine-Fricke and Mr. Ric Notini with Catellus Development Corporation. The former Ransome Company corporation yard site is located at 4030 Hollis Street in Emeryville, California.

The modifications to the original Workplan as previously submitted by ARI and approved on August 10, 1990 by Alameda County are as follows:

- Former Fuel Tank Area - The subsurface investigation described in the submitted Workplan includes soil borings at the former pump island and transfer piping where data from the Kennedy/Jenks/Chilton report indicates that releases of fuel products have occurred. All the sample locations could not be shown on the Soil Boring and Monitoring Well Location Plan due to the limited scale of the drawing.
- Excess Material Stockpile Area - ARI's Workplan does not show specific boring locations. ARI will sample at two locations in this area. Soil samples will be obtained at these two locations at a depth of about 2½ feet using a hand auger. Both soil samples will be chemically analyzed for Total Extractable Hydrocarbons (EPA method 8015 modified) and one sample for Total Oil and Grease (SMWW 503).

21e

- SS-1 Tank Area - The SS-1 tank area was excluded in the Workplan, as submitted, because such materials are not considered to be hazardous. However, during the removal of this tank, it was determined that heating oil may have been circulated in the internal coils to heat the emulsion. The dark staining may be from surface spills of heating oil. ARI will sample at two locations on the north side of the former SS-1 Tank location. Soil samples will be obtained at these two locations at a depth of about 2½ feet using a hand auger. Both soil samples will be chemically analyzed for Total Extractable Hydrocarbons (EPA method 8015 modified) and one sample for Total Oil and Grease (SMWW 503).
- Monitoring Well Locations - It was mutually agreed that the monitoring well located on the north-east end of the site would be moved in the vicinity of L-F's previous boring B-17 where a grab groundwater sample indicated possible groundwater contamination with petroleum hydrocarbons. The location of the two monitoring wells in the area of the former underground diesel and gasoline storage tanks will be based on the results of the soil borings performed by ARI. ARI will be allowed to get split groundwater samples from L-F's (upgradient) monitoring wells LF-7, LF-8 and LF-20, and will obtain both past and future chemical analyses data for these wells from L-F.

In addition, if the results of ARI's investigation show that groundwater contamination has occurred at former waste oil tank location, we will install a groundwater monitoring well(s) as part of the groundwater investigation for this site.

- Former Spray Painting Canopy, Garage and Shop Areas - proposed soil borings to investigate the former waste oil tank area and the oil stain behind the former blacksmith shop will be adjusted (total number of soil samples will not change, only the sample locations) to investigate if paint and other solvents possibly used in the former spray painting canopy area migrated through the asphalt pavement to the subgrade soils, and if petroleum products spilled onto the concrete floor of the garage area (and possibly discharged to a former drain located in the south corner of the shop area) had migrated to the subgrade soils.

Soil samples will be obtained at these two locations at a depth of about 2½ feet using a hand auger. Soil sample(s) from the Spray Painting Canopy Area will be chemically analyzed using EPA Methods 8010 and 8020 while soil samples from the Garage and Shop Areas will be analyzed for Total Extractable Hydrocarbons (EPA method 8015 modified) and selected samples for Total Oil and Grease (SMWW 503).

- Workplan Schedule - No time schedule was included in the ARI workplan. It was explained by ARI that at the time of original Workplan preparation, the demolition of existing buildings on site had not yet begun. Because of this it was impossible to estimate a timeline for completion of the workplan, until a schedule for completion of the demolition was available. Now that demolition of the buildings is complete, a timeline schedule will be prepared and provided prior to conducting any subsurface investigation at the former Ransome site.

The workplan would be conducted in two phases. First, the soil sample collection and chemical analyses will be performed. These data will be reviewed, and utilized in optimizing the location of the monitoring wells. Once the final locations of the monitoring wells have been established, they will be installed.

- Sampling and Analysis Plan - In areas where surface spills have occurred, soil samples will be obtained at all sample locations at a depth of about 2½ feet. These samples will be submitted for chemical analyses. These near surface soil samples will be obtained using hand auger drilling equipment in conjunction with a backhoe where necessary to expose the previous subgrade soils that have been covered by local fills generated during demolition of the buildings. L-F personnel will be on-site during subsurface investigation, and ARI will provide split samples when requested by L-F field personnel.

If you have any questions regarding the above, please contact the undersigned,

Very truly yours,

AQUA RESOURCES INCORPORATED



Mark Milani, P.E.

Project Manager

Copies: Mr. S. Kinnear Smith, Ransome Company
Mr. James Arnold, Esq., Pettit & Martin
Ms. Amanda Spencer, Levine-Fricke
Mr. Ric Notini, Catellus Development Corporation



August 21, 1990

LEVINE-FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

LF 1649

Mr. Dennis Byrne
Alameda County Health Care Services Agency
80 Swan Way, Suite 200
Oakland, California 94621

Subject: Permission to view underground tank file
for Bay Area Warehouse located at 4001 Hollis St.
Emeryville, California


Dear Dennis:

First, thank you for meeting with Ric Notini, Mark Milani and me to discuss the Ransome Company site in Emeryville. Your time and input on the proposed site investigation was greatly appreciated.

I am writing this letter to request permission to view underground tank permit files concerning another site near the former Ransome Company site. This site is the Bay Area Warehouse, located at 4001 Hollis Street in Emeryville (part of the Yerba Buena Project Site). An underground fuel storage tank currently exists on this property. As a part of the investigation at the Yerba Buena Project Site, I would like to review any documents you may have on file regarding this tank.

I would like to review these files as soon as possible, although I understand approximately 30 days is needed to process this request.

Sincerely,


Amanda Spencer
Project Hydrogeologist

1900 Powell Street, 12th Floor
Emeryville, California 94608
(415) 652-4500
FAX (415) 652-2246



LEVINE·FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

August 15, 1990

LF-1649

Dennis Byrne
Alameda County Health Care Agency
80 Swan Way, Room 200
Oakland, California 94621

Subject: Phase I and Phase II Environmental Investigation
Yerba Buena Project Site
Oakland and Emeryville, California

Dear Mr. Byrne:

Enclosed is a copy of the subject report which consists of four volumes. This report has been prepared and is being submitted by Levine·Fricke, Inc., on behalf of Catellus Development Corporation.

Levine·Fricke conducted an environmental investigation of the Yerba Buena Project Site between September 1989 and June 1990 on behalf of Catellus Development Corporation. This investigation included an initial site inspection, a review of previous investigations conducted at the site and pertinent background documents on this site, and soil, ground-water and soil-gas sampling at the site. The investigation was conducted in two phases, so that environmental concerns identified during the soil and ground-water sampling of Phase I of the investigation could be better characterized during Phase II of the investigation. The results of the Phase I and Phase II environmental investigation are presented in the enclosed reports.

If you have any questions regarding this report, please call me or Ms. Beth Gurney.

Sincerely,

Amanda Spencer
Project Hydrogeologist

Enclosures

cc: Ric Notini, Catellus

1900 Powell Street, 12th Floor
Emeryville, California 94608
(415) 652-4500
FAX (415) 652-2246

19C

C A T E L L U S



August 14, 1990 FORMERLY SANTA FE PACIFIC REALTY CORPORATION

Mr. Dennis Byrne
Alameda County Health Care Services Agency
Department of Environmental Health
Division of Hazardous Materials
80 Swan Way, Suite 200
Oakland, CA 94621

RE: Ransome Company Site, Emeryville, CA

Dear Mr. Byrne:

Thank you for taking the time to discuss this matter with me on Friday, August 10, 1990. I look forward to meeting you on Friday, August 17, 1990 at 11:00 AM to further discuss the workplan for additional characterization of known or suspected releases at this site.

For your information, Catellus Development Corporation (formerly Santa Fe Pacific Realty) acquired an approximate 51-acre property in Emeryville and Oakland, which we refer to as the Yerba Buena Park property, and which includes the Ransome Company Site. It is our desire to redevelop this property for commercial, office, and residential use.

We have hired Levine-Fricke, an environmental consulting firm, to characterize the nature and extent of contamination of the Yerba Buena Park property. The initial phases of this characterization effort are near completion and we expect to have a report submitted to you for review in the next week or so.

With respect to the Ransome Company Site, it is our desire that, at a minimum, this property be characterized and remediated to the satisfaction of your agency. Since Ransome is obligated to return the property to its original condition under the terms of their lease, we have asked them to conduct the necessary characterization and remedial work with our oversight. It is not our intent or desire to require them to do any unnecessary work.

Last year, Ransome retained Kennedy/Jenks/Chilton, an environmental consulting firm, to perform an environmental assessment of the property, and to oversee the removal of 4 underground tanks. In a report released in November, 1989, Kennedy/Jenks/Chilton identified several areas where releases were observed and recommended that these areas be further investigated through actual field testing.

18C

CATELLUS DEVELOPMENT CORPORATION

Mr. Dennis Byrne
August 14, 1990
Page 2

In an effort to assist Ransome, we had our consultant, Levine-Fricke, prepare a detailed workplan to further characterize these areas. Ransome has hired their own consultant, Aqua Resources, to develop their own workplan. A review and comparison of Aqua Resource's workplan with Levine-Fricke's workplan indicates that there are some very definite differences. Aqua Resources' workplan does not include testing of two areas identified in the Kennedy/Jenks/Chilton report. These two areas are:

1. Stained soil east and north of the former asphalt mining tank (SS-1).
2. Potentially impacted soil in the former spray paint area.

These areas are highlighted in yellow on the attached figure.

In addition, Aqua Resources' workplan does not address four areas where soil and groundwater is, or may be, impacted. These four areas are:

3. Levine-Fricke boring B-17 where a grab groundwater sample had elevated levels of petroleum hydrocarbons and benzene, toluene, xylene, and ethylbenzene (BTXE).
4. Levine-Fricke boring B-15, located 5 feet west of the former pump island, where soil samples collected down to groundwater had elevated levels of petroleum hydrocarbons and BTXE.
5. A floor drain in the corner of a shop which was recently demolished now allowing access to this area.
6. A garage which was used for storage of lube oils and other materials and which had a heavily stained cracked floor (this structure was also recently demolished now allowing for access).

These areas are highlighted in pink on the attached figure.

Catellus would appreciate knowing what the County's position is on the significance of these six areas and whether any testing is necessary.

Mr. Dennis Byrne
August 14, 1990
Page 3

I hope this information is useful and will help focus our discussions on Friday.

If you have any questions in the meantime, please contact me at (415) 974-4617.

Sincerely,

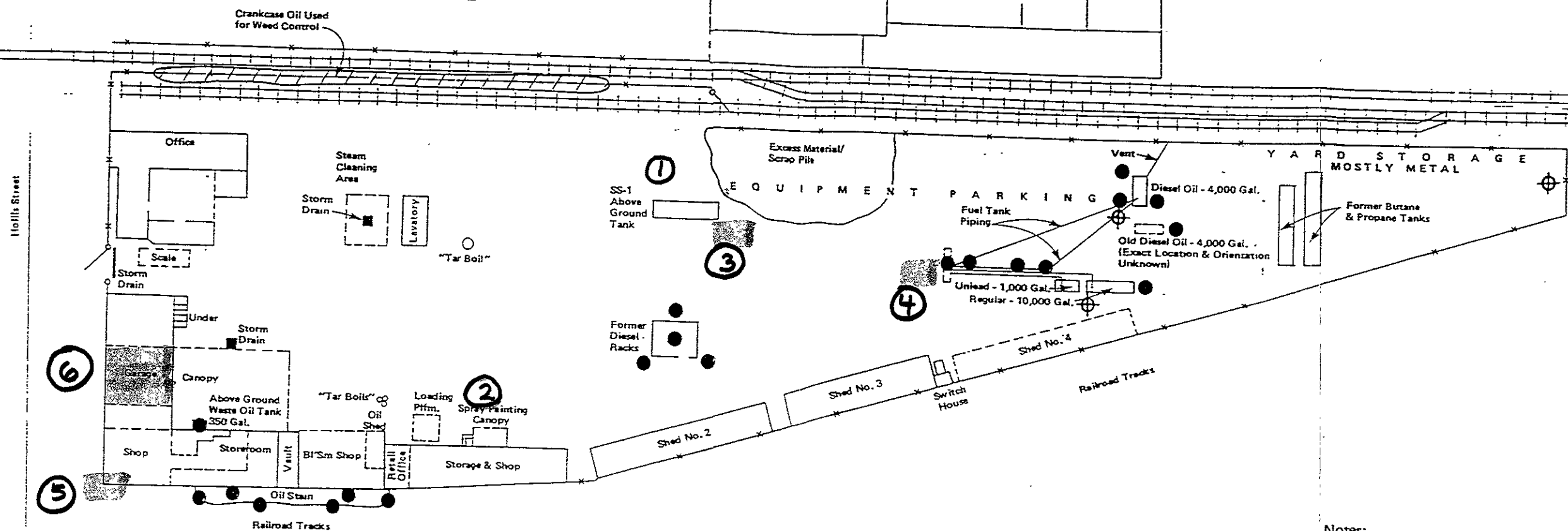
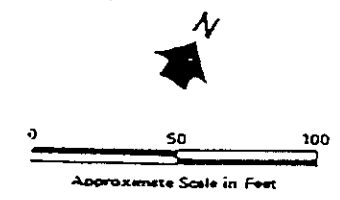
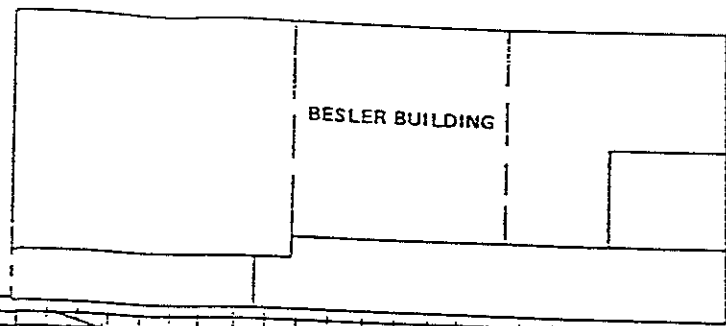
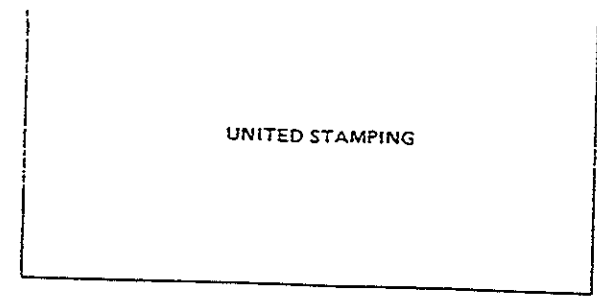


Ric Notini
Director of Environmental Services

Attachment

RLN/enm

cc: Mark Milani, P.E.
Aqua Resources Inc.
2030 Addison Street, Suite 500
Berkeley, CA 94704



LEGEND

- ⊕ Proposed monitoring well location
- Proposed boring location

Notes:

1. All locations are approximate.
2. Estimated depth to groundwater -10 to 20 feet.



AQUA RESOURCES, INC
BERKELEY, CALIFORNIA

Ransome Property

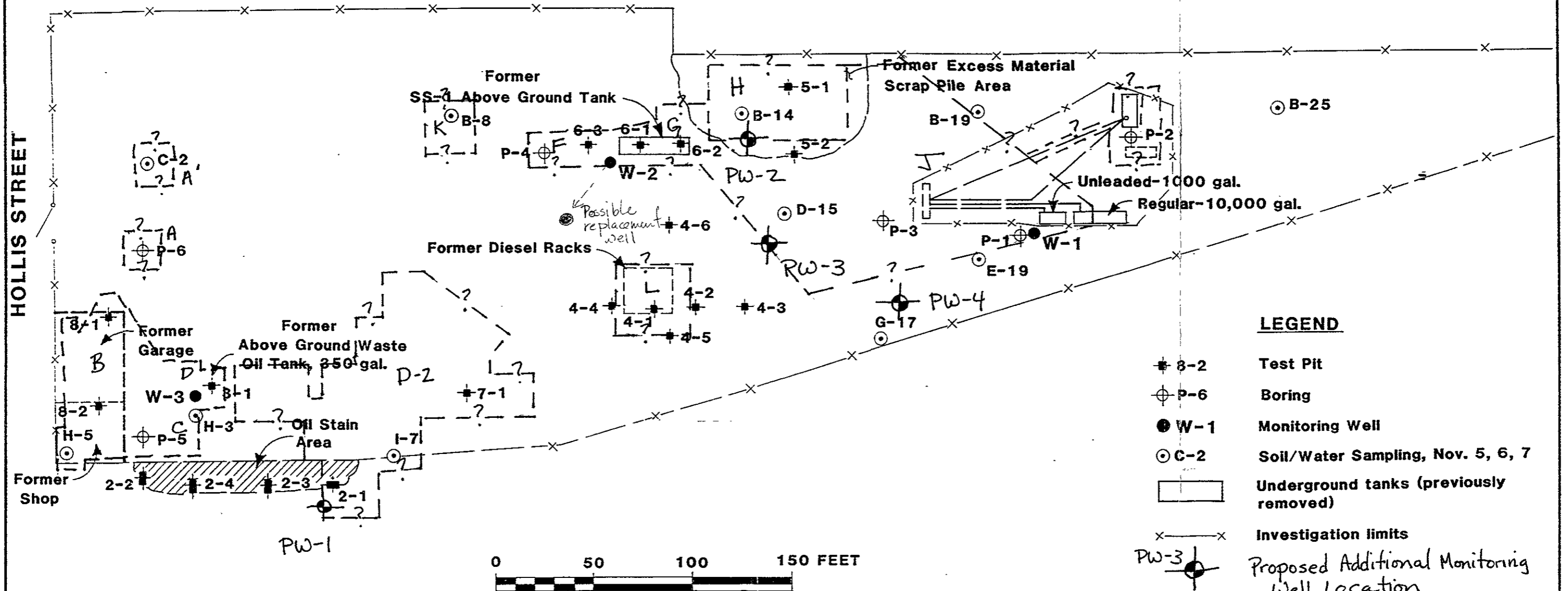
Soil Boring & Monitoring Well
Location Plan - Proposed

Job # 90239.1 | June 29, 1990

UNITED STAMPING

BESLER BUILDING

DRAFT



LEGEND

- 8-2 Test Pit
- ⊕ P-6 Boring
- W-1 Monitoring Well
- ⊙ C-2 Soil/Water Sampling, Nov. 5, 6, 7
- Underground tanks (previously removed)
- x-x-x Investigation limits
- PW-3 Proposed Additional Monitoring Well Location
- - ? - - Approximate boundary of Excavation

Source:  AQUA RESOURCES, INC. BERKELEY, CALIFORNIA

Figure 2.
Proposed Monitoring Well Locations

SITE PLAN

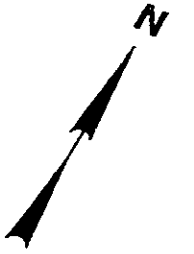
FORMER CORPORATION YARD
FIGURE 2.1

JOB #90239.1 DEC. 1990

UNITED STAMPING

BESLER BUILDING

DRAFT



Compound	11/90	3/91
TPH g	ND	460 ppb
B	ND	24 ppb
T	ND	2.5 ppb
E	ND	33 ppb
X	ND	43 ppb
TPH d	100 ppb	ND
Oil	NA	ND

Compound	11/90	3/91
TPH g	ND	ND
B	ND	ND
T	ND	ND
E	ND	ND
X	ND	ND
TPH d	88 ppb	1,900 ppb
Oil	NA	1,400 ppb

Compound	11/90	3/91
TPH g	ND	2,100 ppb
B	ND	270 ppb
T	ND	260 ppb
E	ND	51 ppb
X	ND	250 ppb
TPH d	82 ppb	ND
Oil	NA	400 ppb

LEGEND

- ⊕ 8-2 Test Pit
- ⊕ P-6 Boring
- W-1 Monitoring Well
- ⊙ C-2 Soil/Water Sampling, Nov. 5, 6, 7
- ▭ Underground tanks (previously removed)
- x—x Investigation limits
- ppb Parts per billion
- ND Not detected above method detection limits
- NA Not analyzed

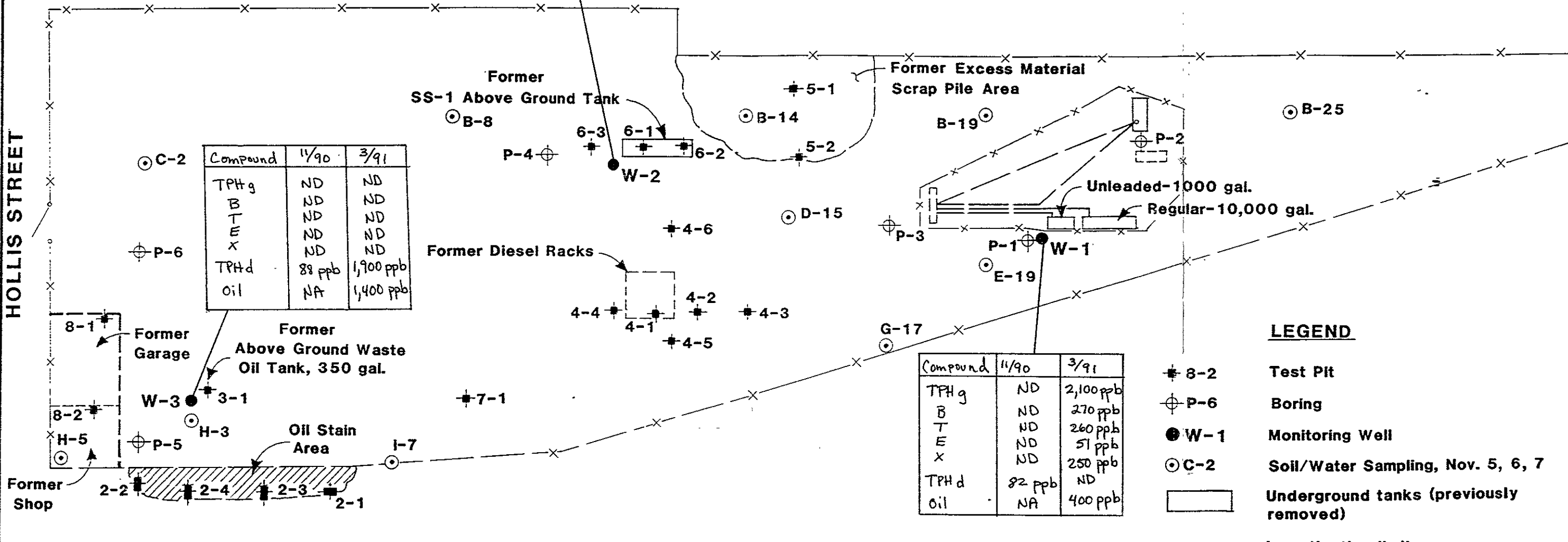
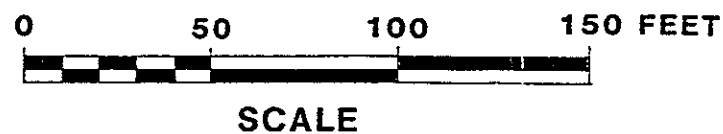


Figure 1.
Ground-Water Analysis Results from
Sampling Conducted in November, 1990,
and March, 1991, by Aqua Resources, Inc



SITE PLAN

Source: **AQUA RESOURCES, INC.**
BERKELEY, CALIFORNIA

FORMER CORPORATION YARD
FIGURE 2.1

JOB #90239.1 DEC. 1990



2030 Addison Street, Suite 500 • Berkeley, California 94704 • 415 540-6954

August 13, 1990

Mr. Dennis Byrne, Hazardous Material Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, California 94621

90239.1/1
File: correspondence

Subject: Confirmation of Regulatory Agency Approval
Draft Workplan for Initial Subsurface Investigation and Site Closure
Former Ransome Company Corporation Yard Site
4030 Hollis Street, Emeryville

Dear Mr. Byrne:

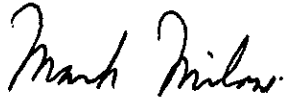
This letter confirms our telephone conversation on Friday, August 10, 1990 regarding Aqua Resources Incorporated's (ARI) proposed Workplan for performing an initial subsurface and groundwater investigation and remediation of the former Ransome Company corporation yard (Ransome) site. The site is located at 4030 Hollis Street in Emeryville, California. During our telephone conversation, you indicated that the Workplan for this site, as submitted by ARI, was given regulatory agency approval.

You requested that a monitoring well be installed at the former location of the partially buried waste oil tank if results of the soil boring(s) indicate that groundwater has been impacted. If the results of ARI's investigation show that groundwater contamination has occurred at this location, we will install a groundwater monitoring well(s) as part of the groundwater investigation for this site.

ARI also informed you that Ransome Company and Catellus Corporation (owner of this site and other surrounding parcels) have met to discuss ARI's proposed workplan. Based on the results of this meeting and another to be held on Tuesday, August 14, 1990, an addendum to the above reference workplan may be prepared and submitted.

If you have any questions regarding the above, please contact the undersigned,

Very truly yours,
AQUA RESOURCES INCORPORATED

A handwritten signature in cursive script that reads "Mark Milani".

Mark Milani, P.E.
Project Manager

Copies: Mr. S. Kinnear Smith, Ransome Company
 Mr. James Arnold, Esq., Pettit & Martin



SANTA FE PACIFIC REALTY

May 23, 1990

90 MAY 24 PM 1:46

Dennis J. Byrne
Hazardous Materials Specialist
Department of Environmental Health
Hazardous Materials Program
Alameda County Health Care Services Agency
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Byrne:

This letter is in response to your April 18, 1990 letter to Santa Fe Pacific Realty Corporation ("SFPRC") regarding the underground storage tank removal project being conducted by the Ransome Company at 4030 Hollis Street, Emeryville, California ("the Property").

As you may know, the Ransome Company has leased the Property from SFPRC or its predecessor since 1938. The Ransome Company lease will terminate this month and Ransome will relocate its corporation to a new location. SFPRC has requested that Ransome, as the owner and operator of the subject underground tanks, conduct a full investigation and remediation of releases from the underground tank as well as an assessment of all other releases of chemicals occurring on the Property during Ransome's occupancy. SFPRC has requested that such investigation be conducted in accordance with all applicable guidelines and requirements of the Alameda County Health Care Services Agency and the Regional Water Quality Control Board. It is SFPRC's understanding that Ransome will conduct such an investigation and cleanup.

Enclosed for your review is a May 22, 1990 "Phase II Environmental Investigation Plan" prepared by Levine-Fricke and forwarded to Ransome for its implementation. If Ransome fails to conduct the required investigations and remediation in a timely manner, SFPRC, as will the Property owner, contact you to discuss how we should proceed.

17c

Mr. Dennis J. Byrne
May 23, 1990
Page 2

Since the Ransome Company is responsible for the removal and remediation of the underground tanks, we request that all future correspondence regarding this matter be sent directly to them, with a copy to SFPRC. The contact at Ransome is Mr. S. Kinnear Smith, President. His mailing address is:

Ransome Company
P.O. Box 8506
4030 Hollis Street
Emeryville, CA 94662

Please call if you have any questions or comments.

Sincerely,



Ric Notini
Director of Environmental Services

Enclosure

cc: Lester Feldman, RWQCB, w/o encl.
Charlene Williams, w/o encl.

DEPARTMENT OF HEALTH SERVICES
TOXIC SUBSTANCES CONTROL DIVISION
2151 BERKELEY WAY, ANNEX 7
BERKELEY, CA 94704
(415) 540-3848



RECEIVED

MAY 10 1 1990

May 9, 1990

PLANNING DEPARTMENT

JUN 21 11 3: 27

Mr. Gary Lane
Planning Director
City of Emeryville
2200 Powell Street, 12th Floor
Emeryville, CA 94608

Dear Mr. Lane:

DEPARTMENT COMMENTS ON THE NOTICE OF PREPARATION (NOP) OF A DRAFT ENVIRONMENTAL IMPACT REPORT (EIR) ON THE YERBA BUENA PARK PROJECT (SCH #90030258)

The California Department of Health Services, Toxic Substances Control Program (Department) has completed the review of the "Notice of Preparation (NOP) of a Draft Environmental Impact Report (EIR) on the Yerba Buena Park Project" prepared by the City of Emeryville Planning Department.

The Department has the jurisdiction to address all proposed projects including all impacts and mitigation measures which directly or indirectly affect the cleanup of hazardous waste sites located within or adjacent to the Yerba Buena Park Project. The Department is involved in overseeing the remediation of contamination at the Myers Drum facility located on Shellmound. That portion of Shellmound is slated for construction in the Notice of Preparation.

The Department would be happy to meet with you to discuss our comments. Please call Gene Boyer at (415) 540-3848.

Sincerely,

Howard K. Hatayama
Regional Administrator
Region 2
Toxic Substances Control Program

Enclosure

cc: Gene Boyer
Paul Giardina
Barbara Cook
Toxic Substances Control Program
Region 2
700 Heinz Street, Bldg "F"
Berkeley, CA 94710

RECEIVED

MAY 10 1990

PLANNING DEPARTMENT

DEPARTMENT COMMENTS ON THE NOTICE OF PREPARATION (NOP) OF A
DRAFT ENVIRONMENTAL IMPACT REPORT (EIR) ON THE
YERBA BUENA PARK PROJECT

A. General Comments:

- o What was the past usage of the property? Past usage may tell us if a release of hazardous materials has taken place.
- o What was the length of time for each past usage?
- o Holding/cleaning yard for railroad cars?
- o Have soil and/or groundwater samples been taken on and surrounding the property to determine if a release has occurred? Will this be done? Since the development plan calls for mixed usage (commercial/residential), the Department believes that sampling should be done to determine possible impacts.

B. Extension of Shellmound:

- o Near the end of Shellmound (as it currently exists), in the opposite direction from Powell Street, is the Myers Drum (Emeryville) Site. There has been a known release of hazardous wastes and hazardous substances at the site. There is a threat that these materials have migrated off-site and may be on or under Shellmound.
- o The Department has regulatory authority for any construction done at or about hazardous waste sites. Since the proposed extension of Shellmound may contact the site, the Department will need to know the impact to the site from construction of road-beds, culverts, utilities, and/or any other construction done adjacent to the site.
- o The Department will need to review and approve the following:
 1. Health & Safety Plan.
 2. Sampling Plan (soil and groundwater).
 3. QA/QC (Quality Assurance/Quality Control) Plan.
 4. Public Participation Plan.
 5. Any other plans as required by State and/or Federal law.

MAY 10 1990

PLANNING DEPARTMENT

- o The Department is mandated to reduce the risk the public faces in exposure to hazardous substances. Since there are known hazardous substances at the Myers Drum site, street and/or pedestrian traffic maybe "at risk" to exposure to hazardous substances. How will current street and/or pedestrian traffic be protected during this phase (Shellmound extension) of the project?
 - o Who will pay for any extra work, including Departmental oversight/participation?
- C. Environmental Checklist and Discussion of Environmental Evaluation:
- o (1.b.) The evaluation discusses possible excavation and off-site disposal. How will the RCRA land-ban effect this project?
 - o (1.f.) How will any run-off of surface water during the project be stopped? Especially if contaminants are found?
 - o (2.c.) The evaluation talks about high ground-level wind conditions (funneling, etc.) due to the project configuration. What would be the impact of these wind conditions if contaminants are found on the site? Would redesigning the configuration reduce/eliminate this impact?
 - o (3.f.) Groundwater samples will have to be taken and tested for contamination. Any groundwater that comes to the surface will have to be held before disposal to determine if the groundwater is free of contaminants.
 - o (4.a. and 9.b.) The Department noticed in our review that these items were listed in the checklist one way, but addressed in the evaluation differently.
 - o (10.a.) How will the "containment" be accomplished?
 - o (13) If contaminants are found on-site, then increased traffic may cause some migration of contaminated materials. How will this impact be handled? Will the current road-ways be up-graded to accommodate increased traffic before/during construction phase? Will construction phase reduce the current on-street parking?

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PLANNING DEPARTMENT

- o (14) How many people are anticipated to work/live at the site after completion of the project? Will additional open-space be necessary to accommodate all the new workers/visitors/residents? Perhaps adjacent to the site, or elsewhere in Emeryville/Oakland (but within walking distance)?
- o (19) See #14 above.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



CALIFORNIA REGIONAL WATER

APR 19 1990

LF

QUALITY CONTROL BOARD

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

MISS.

18 April 1990

Prem P. Chaudri
Asset Manager
Santa Fe Pacific Realty Corp.
Suite 202
201 Mission Street
San Francisco, CA 94105

61

Ransone Corp

Subject: Underground Storage Tank Removal Project being conducted at 4030 Hollis Street, Emeryville.

Dear Mr. Chaudri:

This office has received and reviewed an analytical report and hazardous waste manifests submitted in regards to the underground storage tank removal project being conducted at the address listed above. The reported data indicate that further action is required to address the soil contamination identified.

The California Department of Health Services has designated 1,000 parts per million of petroleum hydrocarbon contamination in soil as constituting hazardous waste. Soil contaminated to such an extent must be physically removed for proper disposal

Guidelines established by the San Francisco Bay Regional Water Quality Control Board specify certain follow-up actions which must be initiated to address soil contamination associated with underground tank sites. Soil contaminated with petroleum hydrocarbons in excess of 10 parts per million cannot be placed back in the excavation pit unless first treated by a means sufficient to reduce the level of contamination to this value. Analytical documentation attesting to the success of the treatment process would have to be submitted for review prior to the approval for such a burial.

In addition, the measurement of soil petroleum hydrocarbon contamination exceeding 100 parts per million necessitates that a ground water investigation be initiated. The purpose of such a program would be to determine the gradient of ground water flow and to gauge if ground water quality has been impacted by the release of material from the underground tank. The guidelines specify that data from a minimum of three wells be used to define the gradient of ground water flow and that all boring logs and analytical data be submitted for review. Should ground water contamination be encountered it is then necessary to define the lateral extent of any contaminant plume by installing additional borings until the zero point can be identified. A minimum of two years of quarterly monitoring is required before a sign-off of the project can be anticipated.

Pram P. Chaudri
Santa Fe Pacific Realty Corp.
Suite 202
201 Mission Street
San Francisco, CA 94105
Re. 4030 Hollis Street, Emeryville
18 April 1990
Page 2 of 2

In regards to the project at 4030 Hollis Street in Emeryville, soil contamination exceeding 1,000 parts per million was measured in both the waste oil and diesel tank pits. Hydrocarbon contamination exceeding 1,000 parts per million was also measured in some of the samples collected from piping trenches. These areas will require further excavation and the collection of verification samples to demonstrate that no hazardous waste remains on the site. Upon the completion of this task the ground water investigation described earlier will have to be initiated.

It has been communicated to this office that an in depth environmental assessment of this property is currently underway. It is possible that much of the information needed to gauge the extent of contamination associated with these underground storage tanks may already be available. If such an assessment is being developed than please notify this office as to a tentative date upon which this information will be available for review. Or submit a proposal specifying the actions which you intend to follow to fulfill the requirements of the Regional Board's Guidelines and a timetable for their implementation.

If you have any questions or require further clarification concerning actions which need to be taken to address this matter, please contact me at (415) 271-4320.

Sincerely,


Dennis J. Byrne
Hazardous Materials Specialist

cc: Lester Feldman, SFBRWQCB
Doug Krause, DOHS
Rafat Shahid, Assistant Director, Alameda County Department of
Environmental Health.
S. Kinnear Smith, The Ransome Company
Bob Schenker, Kennedy/Jenks/Chilton, Inc.

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE. <i>Dennis J Byrne</i> 4/11/90 SIGNED: _____ DATE: _____	
REPORT DATE 04/04/90		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <i>Dennis J Byrne</i>		PHONE <i>(415) 271-4320</i>		SIGNATURE
	REPRESENTING <input type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input checked="" type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME <i>Alameda County Dept Environ Health Haz Mat Div</i>		
	ADDRESS <i>80 Swan Way Room 200 Oakland CA 94621</i>				
RESPONSIBLE PARTY	NAME <i>Ransome Company</i> <input type="checkbox"/> UNKNOWN		CONTACT PERSON <i>S. Kinnear Smith</i>		PHONE <i>(415) 652-3600</i>
	ADDRESS <i>4030 Hollis Street Emeryville CA 94608</i>				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) <i>Ransome Company</i>		OPERATOR <i>S. Kinnear Smith</i>		PHONE <i>(415) 652-3600</i>
	ADDRESS <i>4030 Hollis Street Emeryville Alameda 94608</i>				
	CROSS STREET <i>Yerba Buena Ave</i>				
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME <i>Alameda County Dept. Environ Health Haz Mat Div</i>		CONTACT PERSON <i>Dennis Byrne</i>		PHONE <i>(415) 271-4320</i>
	REGIONAL BOARD <i>San Francisco Bay</i>		CONTACT PERSON <i>Lester Feldman</i>		PHONE <i>(415) 469-1332</i>
SUBSTANCES INVOLVED	(1) NAME <i>Diesel</i>		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN		
	(2) NAME <i>Gasoline</i>		<input checked="" type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED 04/01/89		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS		
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 04/08/90				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	CASE TYPE CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY				
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input checked="" type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT)				
COMMENTS	<i>soil samples indicate TPH contamination exceeding 1,000 ppm</i>				
	<i>15C</i>				

89493221

89493221

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-552-7536

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIAID19181232166630101014		Manifest Document No. 0101014		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address RANSOME COMPANY 4030 Hollis Street Berryville, CA 94608						A. State Manifest Document Number 89493221					
4. Generator's Phone (415) 652-3600						B. State Generator's ID					
5. Transporter 1 Company Name H & H Ship Service Company			6. US EPA ID Number CIAID101047711168			C. State Transporter's ID 002752		D. Transporter's Phone (415) 543-4835			
7. Transporter 2 Company Name						E. State Transporter's ID					
8. US EPA ID Number						F. Transporter's Phone					
9. Designated Facility Name and Site Address H & H Ship Service Company 220 Chion Basin Street San Francisco, CA 94107						10. US EPA ID Number CIAID101047711168		G. State Facility's ID			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
a. HAZARDOUS WASTE LIQUID, N.O.S. ORM-E NA 9189						01011 TIT		1900	G	State 241	
b.										State	
c.										EPA/Other	
d.										State	
J. Additional Descriptions for Materials Listed Above FUEL OIL AND WATER						K. Handling Codes for Wastes Listed Above		a. 01	b.	c.	d.
15. Special Handling Instructions and Additional Information APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name DAN HANEY				Signature <i>Dan Haney</i>				Month Day Year 10 17 10 18 19 10			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name WENDELL C. BOUE				Signature <i>Wendell C Boue</i>			
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature			
19. Discrepancy Indication Space				Printed/Typed Name PETER YIMBO				Signature <i>Peter O. Yimbo</i>			
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Printed/Typed Name PETER YIMBO				Signature <i>Peter O. Yimbo</i>			
				Month Day Year 10 11 10 09 19 10							

89493220

89493220

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8602; WITHIN CALIFORNIA, CALL 1-800-952-7535

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAID1918121312161616130101015			Manifest Document No. 0101015		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
		3. Generator's Name and Mailing Address RANSOME COMPANY 4030 Hollis Street Emeryville, CA 94608			6. US EPA ID Number CAID10101417171111618		A. State Manifest Document Number 89493220		B. State Generator's ID		
4. Generator's Phone (415) 652-3600			5. Transporter 1 Company Name H & H Ship Service Company		6. US EPA ID Number CAID10101417171111618		C. State Transporter's ID 003749		D. Transporter's Phone (415) 543-4835		
7. Transporter 2 Company Name			8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone		G. State Facility's ID CAID10101417171111618		
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107			10. US EPA ID Number CAID10101417171111618		H. Facility's Phone (415) 543-4835		I. State Facility's ID		J. Facility's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RESIDUE GASOLINE TANK (CALIFORNIA ONLY REGULATED WASTE)					12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		Waste No.
					0 10 11 TIE		1 10 10 10 10		P		State 512
b.									State		EPA/Other
c.									State		EPA/Other
d.									State		EPA/Other
J. Additional Descriptions for Materials Listed Above PUMPED OUT 10,000 gallon tank last containing gasoline. Tank inerted with dry ice for transport.					K. Handling Codes for Wastes Listed Above a. 01		b.		c.		d.
15. Special Handling Instructions and Additional Information APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name SYDNEY K. SMITH				Signature <i>Sydney K. Smith</i>				Month Day Year 10 17 10 18 19 10			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name WENDELL C. BOUIE				Signature <i>Wendell C Bouie</i>				Month Day Year 10 17 10 18 19 10			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name Cleveland Valney				Signature <i>Cleveland Valney</i>				Month Day Year 10 17 10 18 19 10			

89493122
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-892-7550
 GENERATOR
 TRANSPORTER
 FACILITY

- UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C I A D I 9 8 2 3 2 6 6 6 3 0 0 0 0 2	Manifest Document No. 0 0 0 0 2	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
3. Generator's Name and Mailing Address RANSOME COMPANY 4030 Hollis Street Emeryville, CA 94608			A. State Manifest Document Number 89493122		
4. Generator's Phone (415) 652 3600			B. State Generator's ID		
5. Transporter 1 Company Name H & H SHIP SERVICE COMPANY		6. US EPA ID Number C I A D I 0 0 4 7 7 1 1 6 8		C. State Transporter's ID 003758	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (415) 543 4835	
9. Designated Facility Name and Site Address H & H SHIP SERVICE COMPANY INC 220 China Basin Street San Francisco, CA 94107		10. US EPA ID Number C I A D I 0 0 4 7 7 1 1 6 8		E. State Facility's ID 003758	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity	
a. RESIDUE GASOLINE TANK (CALIFORNIA ONLY REGULATED WASTE)		0 0 1 T P 0 0 0 0 0 0		14. Unit Wt/Vol P	
b. RESIDUE DIESEL TANK (CALIFORNIA ONLY REGULATED WASTE)		0 0 1 T P 0 4 0 0 0 0		Waste No. State: 512 EPA/Other:	
c.				State: 512 EPA/Other:	
d.				State: EPA/Other:	
J. Additional Descriptions for Materials Listed Above PUMPED OUT 10,000 GALLON AND 4,000 GALLON TANKS LAST CONTAINING CASOLINE AND DIESEL. TANKS INERTED WITH DRY ICE FOR TRANSPORT.			K. Handling Codes for Wastes Listed Above a. 01 b. c. d.		
15. Special Handling Instructions and Additional Information APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name SYDNEY K. SMITH		Signature <i>Sydney K. Smith</i>		Month Day Year 0 1 10 14 19 10	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name WENDELL C. BOUIE		Signature <i>Wendell Bouie</i>		Month Day Year 10 11 10 14 19 10	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name Cleveland Valley		Signature <i>Cleveland Valley</i>		Month Day Year 01 05 10	

89493123

89493123

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-882-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA 19 18 12 13 12 16 16 16 13		Manifest Document No. 0 1 0 1 0 1 3		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.				
		3. Generator's Name and Mailing Address RANSOME COMPANY 4030 Hollis Street Emeryville, CA 94608						A. State Manifest Document Number 89493123				
4. Generator's Phone (415) 652 3600						B. State Generator's ID						
5. Transporter 1 Company Name H & H SHIP SERVICE COMPANY			6. US EPA ID Number CA 19 18 12 13 12 16 16 16 13			C. State Transporter's ID 003738		D. Transporter's Phone (415) 543 4835				
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone				
9. Designated Facility Name and Site Address H & H SHIP SERVICE COMPANY, INC 220 China Basin Street San Francisco, CA 94107						10. US EPA ID Number CA 19 18 12 13 12 16 16 16 13						
G. State Facility's ID						H. Facility's Phone (415) 543 4835						
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity		14. Unit Wt/Vol		Waste No.	
					No. Type		Quantity		Wt/Vol		State EPA/Other	
a. RESIDUE DIESEL TANK (CALIFORNIA ONLY REGULATED WASTE)					01 01 1 T 1 P		0 1 4 1 0 1 0 1 0		P		State 512 EPA/Other	
b. RESIDUE GASOLINE TANK (CALIFORNIA ONLY REGULATED WASTE)					0 1 0 1 1 T 1 P		0 1 1 0 1 0 1 0 1 0		P		State 512 EPA/Other	
c.											State EPA/Other	
d.											State EPA/Other	
J. Additional Descriptions for Materials Listed Above PUMPED OUT 4,000 GALLON AND 1,000 GALLON TANKS LAST CONTAINING DIESEL AND GASOLINE. TANKS INERTED WITH DRY ICE FOR TRANSPORT						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.						
15. Special Handling Instructions and Additional Information APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR												
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.												
Printed/Typed Name <i>EJ Webster</i>				Signature <i>EJ Webster</i>				Month Day Year 10 11 10 14 19 10				
17. Transporter 1 Acknowledgement of Receipt of Materials												
Printed/Typed Name WENDELL C. BOUIE				Signature <i>Wendell C Bouie</i>				Month Day Year 10 11 10 14 19 10				
18. Transporter 2 Acknowledgement of Receipt of Materials												
Printed/Typed Name				Signature				Month Day Year				
19. Discrepancy Indication Space												
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.												
Printed/Typed Name <i>Cleveland Valpey</i>				Signature <i>Cleveland Valpey</i>				Month Day Year 10 10 19 10				

Do Not Write Below This Line

89493214 Job # 2881

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C I A D 1 9 1 8 1 2 1 3 1 2 1 6 1 6 1 6 1 3		Manifest Document No. 0 1 0 1 0 1 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address RANSOME COMPANY 4030 Hollis Street Emeryville, CA 94608						A. State Manifest Document Number 89493214											
4. Generator's Phone (415) 652-3600						B. State Generator's ID											
5. Transporter 1 Company Name H & H Ship Service Company			6. US EPA ID Number C I A D 0 1 0 4 7 7 1 1 6 8			C. State Transporter's ID 003756		D. Transporter's Phone (415) 543-4835									
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone									
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China basin Street San Francisco, CA 94107						10. US EPA ID Number C I A D 0 1 0 4 7 7 1 1 6 8											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		Waste No.					
a. HAZARDOUS WASTE LIQUID, N.O.S. ORM-E NA 9189						01011 TIT		1500		G		State 241 EPA/Other					
b.												State EPA/Other					
c.												State EPA/Other					
d.												State EPA/Other					
J. Additional Descriptions for Materials Listed Above. FUEL OIL AND WATER						K. Handling Codes for Wastes Listed Above		a. 01		b.		c.		d.			
15. Special Handling Instructions and Additional Information APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.																	
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Printed/Typed Name SYDNEY R. SMITH						Signature <i>Sydney R. Smith</i>				Month Day Year 10 11 10 12 19 10							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name STEVE MESQUITE				Signature <i>Steve Mesquite</i>				Month Day Year 10 11 10 12 19 10			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space																	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																	
Printed/Typed Name PETER YIMBO						Signature <i>Peter O. Yimbo</i>				Month Day Year 01 02 20 10							

10C

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Ransome Company Today's Date 8/8/90

Site Address 4030 Hollis St

City Emeryville Zip 94608 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

Observed Removal of UGT

D) 10,000 gallon gasoline tank
 no obvious holes observed in the tank upon removal but the tank was dented while being loaded onto the truck and ruptured along the end seam.

One water sample collected.
 Two soil samples collected from either end of excavation from a depth of 8'

E) 250 gallon waste oil, no obvious holes in tank, a slight amount of water was within excavation,

1 soil sample was collected from a depth of 6'

1300-1600

NC III

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Sids. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

II.B ACUTELY HAZ. MAT'L S

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N) _____
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- General
- 1. Permit Application 25284 (H&S)
 - 2. Pipeline Leak Detection 25292 (H&S)
 - 3. Records Maintenance 2712
 - 4. Release Report 2651
 - 5. Closure Plans 2670

Monitoring for Existing Tanks

- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose Semi-annual groundwater One time soils
 - 3) Daily Vadose One time soils Annual tank test
 - 4) Monthly Gndwater One time soils
 - 5) Daily Inventory Annual tank testing Cont pipe leak det Vadose/gndwater mon.
 - 6) Daily Inventory Annual tank testing Cont pipe leak det
 - 7) Weekly Tank Gauge Annual tank testing
 - 8) Annual Tank Testing Daily Inventory
 - 9) Other _____

- 7. Precs Tank Test Date: 2643
- 8. Inventory Rec. 2644
- 9. Soil Testing . 2646
- 10. Ground Water. 2647

- New Tanks
- 11. Monitor Plan 2632
 - 12. Access. Secure 2634
 - 13. Plans Submit Date: 2711
 - 14. As Built Date: 2635

Rev 8/88

1450 64th

Contact: _____

Title: _____

Signature: _____

Inspector: _____

Signature: [Signature]

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Ransome ^{company} OK Today's Date 1/5/90

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 2703
- ___ 2. Bus. Plan Sids. 25503(b)
- ___ 3. RR Cars > 30 days 25503.7
- ___ 4. Inventory Information 25504(a)
- ___ 5. Inventory Complete 2730
- ___ 6. Emergency Response 25504(b)
- ___ 7. Training 25504(c)
- ___ 8. Deficiency 25505(a)
- ___ 9. Modification 25505(b)

Site Address 4030 Hollis St

City Emeryville Zip 94608 Phone _____

___ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- ___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ___ II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

II.B ACUTELY HAZ. MATLS

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMPP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N)
- ___ 14. OffSite Conseq. Assess. 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(i)
- ___ 18. Exemption Request? (Y/N) 25536(b)
- ___ 19. Trade Secret Requested? 25538

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

Observed Removal of UGT's

c) 4,000 gal diesel, no water in excavation, tanks ruptured during removal

2 soil samples collected from either end of tank at a depth of approx- 9-10'

1030 - 1200

III. UNDERGROUND TANKS (Title 23)

- General
- ___ 1. Permit Application 25284 (H&S)
 - ___ 2. Pipeline Leak Detection 25292 (H&S)
 - ___ 3. Records Maintenance 2712
 - ___ 4. Release Report 2651
 - ___ 5. Closure Plans 2670

- Monitoring for Existing Tanks
- ___ 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
 - Semi-annual groundwater
 - One time sols
 - 3) Daily Vadose
 - One time sols
 - Annual tank test
 - 4) Monthly Gndwater
 - One time sols
 - 5) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/gndwater mon.
 - 6) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank tsg
 - 8) Annual Tank Testing
 - Daily inventory
 - 9) Other _____

- ___ 7. Precs Tank Test 2643
- Date: _____
- ___ 8. Inventory Rec. 2644
- ___ 9. Soil Testing . 2646
- ___ 10. Ground Water. 2647

- New Tanks
- ___ 11. Monitor Plan 2632
 - ___ 12. Access. Secure 2634
 - ___ 13. Plans Submit 2711
 - Date: _____
 - ___ 14. As Built 2635
 - Date: _____

Rev 8/88

13C
 II, III

Contact: _____

Title: _____

Signature: _____

Inspector: _____

Signature: S. Spencer

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Ransome Company Today's Date 1/4/90

Site Address 4030 Hollis St.

City Emeryville Zip 94608 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

observed removal of UGT's

A) 1,000 gal gas (O₂ 5%, LEL 9%)
 no obvious holes, 2 soil samples collected at 7'

B) 4,000 gal diesel (O₂ 2%, LEL 6%)
 water in excavation no obvious holes in tank
 1 water + 2 soil samples collected at 9'

1130-1600

120
 II, III

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stds. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(a)
- 13. Implement Sch. Req'd? (Y/N) _____
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- General
- 1. Permit Application 25284 (H&S)
 - 2. Pipeline Leak Detection 25292 (H&S)
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- Monitoring for Existing Tanks
- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose Semi-annual groundwater One time sols
 - 3) Daily Vadose One time sols Annual tank test
 - 4) Monthly Gndwater One time sols
 - 5) Daily Inventory Annual tank testing Cont pipe leak det Vadose/gndwater mon.
 - 6) Daily Inventory Annual tank testing Cont pipe leak det
 - 7) Weekly Tank Gauge Annual tank tsg
 - 8) Annual Tank Testing Daily Inventory
 - 9) Other _____

- 7. Precis Tank Test 2643
Date: _____
- 8. Inventory Rec. 2644
- 9. Soil Testing . 2646
- 10. Ground Water. 2647

- New Tanks
- 11. Monitor Plan 2632
 - 12. Access. Secure 2634
 - 13. Plans Submit 2711
Date: _____
 - 14. As Built 2635
Date: _____

Contact: _____

Title: _____

Signature: _____

Inspector: _____

Signature: [Signature]

Kennedy/Jenks/Chilton

Consulting Engineers

Marathon Plaza, Tenth Floor North
303 Second Street
San Francisco, California 94107
415-362-6065

December 28, 1989

Mr. Frank Alhino
Emeryville Fire Department
Fire Prevention Bureau
6303 Hollis Street
Emeryville, California 94608

Mr. Dennis Byrne
Alameda County Health Agency
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, California 94621

Mr. Rich Hyatt
California Regional Water Quality Control Board
San Francisco Bay Region
1800 Harrison Street, Suite 700
Oakland, California 94612

Ms. Vicky Dvorak
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, California 94109

Subject: Notification of Underground Storage Tank
Removal, Ransome Company, 4030 Hollis Street,
Emeryville, California
(K/J/C 890066.00-G-90)

Dear Messrs. Alhino, Byrne and Hyatt and Ms. Dvorak:

I am hereby providing written notification of the removal of one 10,000 gallon regular gasoline, two 4,000 gallon diesel fuel and one 1,000 gallon unleaded gasoline underground fuel storage tanks at the Ransome Company facility at 4030 Hollis Street, Emeryville, California. In addition, a partially buried 350 gallon waste oil tank will be removed from the ground and placed at grade. Excavation is scheduled to begin on Tuesday, 2 January 1990. Tank removal activities are scheduled to begin on Thursday, 4 January 1990, at approximately 8:00 a.m. Backfill of the tank excavations will be scheduled at a later date, subject to soil sample analytical results. I will notify you by phone if there are any changes in this schedule. The Bay Area Air Quality Management District Notification Form is attached.

The tanks will be removed in accordance with the closure plan approved by the Alameda County Health Agency. A tank removal permit from the Emeryville Fire Department is pending.

9C

Messrs. Alhino, Byrne, Hyatt
and Ms. Dvorak
28 December 1989
Page 2

Please call Bob Schenker of Kennedy/Jenks/Chilton, Inc., at (415) 243-2515 if you have any questions or require additional information.

Very truly yours,

KENNEDY/JENKS/CHILTON, INC.



Robert W. Schenker, P.E., R.E.A.
Project Manager

Attachment

cc: Ed Webster (Ransome Company)



BAY AREA AIR QUALITY MANAGEMENT DISTRICT

133 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
415-771-6000

REGULATION 8, RULE 40
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

SITE INFORMATION

SITE ADDRESS 4030 Hollis Street
 CITY, STATE, ZIP Emeryville, CA 94662
 OWNER NAME Santa Fe Pacific Realty Corporation (owner) Ransome Company (Leasee)
 SPECIFIC LOCATION OF PROJECT East end of property

<p>TANK REMOVAL</p> <p>SCHEDULED STARTUP DATE <u>01/02/90</u></p> <p>VAPORS REMOVED BY: (tank removal 1/04/90)</p> <p><input checked="" type="checkbox"/> WATER WASH</p> <p><input checked="" type="checkbox"/> VAPOR FREEING (CO²)</p> <p><input type="checkbox"/> VENTILATION</p>	<p>CONTAMINATED SOIL EXCAVATION</p> <p>SCHEDULED STARTUP DATE <u>N/A</u></p> <p>STOCKPILES WILL BE COVERED? YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):</p> <p>_____</p> <p>(MAY REQUIRE PERMIT)</p>
---	--

CONTRACTOR INFORMATION

NAME Peregren Environmental Group Inc. CONTACT Allen Mason
 ADDRESS 270 Oyster Point Blvd. PHONE (415) 872-0663
 CITY, STATE, ZIP South San Francisco, CA 94080

CONSULTANT INFORMATION (IF APPLICABLE)

NAME Kennedy/Jenks/Chilton, Inc. CONTACT Robert W. Schenker
 ADDRESS 303 2nd. St. 10th Flr. North PHONE (415) 243-2515
 CITY, STATE, ZIP San Francisco, CA 94107

FOR OFFICE USE ONLY

DATE RECEIVED _____ BY _____ (INIT.)
 CC: INSPECTOR NO. _____ DATE _____ BY _____ (INIT.)
 TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____
 BAAQMD N # _____

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 HAZARDOUS MATERIALS DIVISION
 80 SWAN WAY, ROOM 200
 OAKLAND, CA 94621
 PHONE NO. 415/271-4320

ACCEPTED *12/7/84*

DEPARTMENT OF ENVIRONMENTAL HEALTH
 470 - 27th Street, Third Floor
 Oakland, CA 94612
 Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated in this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction.

One copy of these accepted plans must be on file and available to all contractors and craftsmen involved with the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- _____ Removal of Tank and Piping
 - _____ Sampling
 - _____ Final Inspection
- Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.
- THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

UNDERGROUND TANK CLOSURE/ MODIFICATION PLANS

1. Business Name Ransome Company
 Business Owner Ransome Company
2. Site Address 4030 Hollis Street
 City Emeryville Zip 94662 Phone (415) 652-3600
3. Mailing Address 4030 Hollis Street
 City Emeryville Zip 94662 Phone (415) 652-3600
4. Land Owner Santa Fe Pacific Realty Corporation
 Address Suite 202
201 Mission Street City, State San Francisco Zip 94105
5. EPA I.D. No. CAD 982326662
6. Contractor Peregrin Environmental Group, Inc.
 Address 270 Oyster Point Boulevard
 City South San Francisco, CA 94080 Phone (415) 872-0663
 License Type B, A, HAZ ID# 493437
7. Consultant Kennedy/Jenks/Chilton, Inc.
 Address 303 Second Street, 10th Floor North/Marathon Plaza
 City San Francisco, CA 94017 Phone (415) 362-6065

8C

8. Contact Person for Investigation

Name Robert W. Schenker Title Senior Environmental Engineer
Phone (415) 243-2515

9. Total No. of Tanks at facility 5

10. Have permit applications for all tanks been submitted to this office?
Yes [] No [X]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name H & H Ship Service Co. EPA I.D. No. CAD004771168
Address 220 China Basin
City San Francisco State CA Zip 94107

b) Rinsate Transporter

Name N/A EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

c) Tank Transporter

Name H & H Ship Service Co. EPA I.D. No. CAD004771168
Address 220 China Basin
City San Francisco State CA Zip 94107

d) Tank Disposal Site

Name H & H Ship Service Co. EPA I.D. No. CAD004771168
Address 220 China Basin
City San Francisco State CA Zip 94107

e) Contaminated Soil Transporter

Name N/A EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

12. Sample Collector

Name Christopher Proud or Timothy Kneafsey
 Company Kennedy/Jenks/Chilton, Inc.
 Address 303 Second Street, 10th Floor North/Marathon Plaza
 City San Francisco state CA zip 94107 Phone (415) 243-2533
 or
(415) 243-2506

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
10,000 gallon	Regular Gasoline	Soil	2 feet of native soil below each end of tank
4,000 gallon	Diesel Fuel	Soil	2 feet of native soil below each end of tank
1,000 gallon	Unleaded Gasoline	Soil	2 feet of native soil below each end of tank
4,000 gallon	Regular Gasoline	Soil	2 feet of native soil below each end of tank
350 gallon	Waste Oil	Soil	2 feet of native soil below fill end of tank

14. Have tanks or pipes leaked in the past? Yes [] No []

If yes, describe. 1/29/88: Diesel tank piping leaking 12" below grade, regular gasoline tank piping leaking at top. 7/14/88: Diesel tank tested OK. 8/8/88: Regular gasoline tank tested OK.

15. NFPA methods used for rendering tank inert? Yes [] No []

If yes, describe. 15 pounds of CO₂ (dry ice) per 1,000 gallons of tank capacity will be placed at bottom of tanks to flush out organic vapors.

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Kennedy/Jenks/Chilton, Inc./Laboratory Division
 Address 303 Second Street, Tenth Floor North/Marathon Plaza
 City San Francisco state CA zip 94107
 State Certification No. 113

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
<i>Gasoline waste oil</i> Total Petroleum Hydrocarbons as Gasoline	Purge and Trap	GC EID (5030)
<i>Diesel waste oil</i> Total Petroleum Hydrocarbons as Diesel	Extraction	GC FID (5030)
<i>Gasoline diesel waste oil</i> Benzine, Tuolene, Xylene and Ethyl Benzine	Purge and Trap	GC PI (8020) or 8240
<i>waste oil</i> Oil and Grease	Extraction	Gravimetric (503.D & E)
<i>" "</i> chlorinated HCl's		8010 or 8240
<i>" "</i> PCB, PCP, PNA, creosote		8270
<i>" "</i> Cd, Cr ⁶ , Pb, Zn		Atomic Absorption

18. Submit Site Safety Plan

19. Workman's Compensation: Yes [X] No []

Copy of Certificate enclosed? Yes [X] No []

Name of Insurer National Surety Corp. (Consultant)
Home Insurance Company (Contractor)

20. Plot Plan submitted? Yes [X] No []

21. Deposit enclosed? Yes [X] No []

22. Please forward to this office the following information within 60 days after receipt of sample results.

a) Chain of Custody Sheets

b) Original Signed Laboratory Reports

c) TSD to Generator copies of wastes shipped and received

d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) Allen Mason
Signature Allen Mason
Date 11/20/89

Signature of Site Owner or Operator

Name (please type) Mr. S. Kinnear Smith
Signature Don Staney ^{Chairman} for S.K. SMITH.
Date 11/30/89

CONTRACTOR'S STATE LICENSE BOARD

ANY CHANGE OF BUSINESS ADDRESS MUST BE REPORTED TO THE REGISTRAR WITHIN 90 DAYS.

LICENSE NO.

93437

PEREGREW ENVIRONMENTAL GROUP INC
270 OYSTER POINT BLVD
30 SAN FRANCISCO, CA 94080

EXPIRES ON		
MO.	DAY	YR.
06	30	90

CLASSIFICATIONS		
B	A	HAZ
ASBESTOS CERTIFIED		

Binwhee Spencer
SIGNATURE

18L-22 (REV. 8-85)

FOLD → | ← FOLD

RECEIPT NO. 063125

TREASURER'S OFFICE, CITY OF EMERYVILLE

EMERYVILLE CALIF.

11/09

1989

Nº 14563

RECEIVED FROM

Karegen for Group

THE SUM OF

Eight Dollars DOLLARS

MARINA RENTAL

BUSINESS LICENSES

TAXES

\$

\$50.00 - 4th Qtr 1989

\$

\$

TOTAL

\$ 50.00

CITY TREASURER

DEPUTY TREASURER

Frank J. Watson



PEREGREN

RANSOME COMPANY
SITE SAFETY AND HEALTH PLAN
SEPTEMBER 1989
ADOPTED BY
PEREGREN ENVIRONMENTAL GROUP

Peregren
Environmental Group, Inc.
270 Oyster Point Blvd.
South San Francisco
California
94080
415-872-0663
1-800-544-1666
Fax 415-873-6538
License # 493437

PEREGREN ENVIRONMENTAL GROUP, INC.
SITE SAFETY AND HEALTH PLAN SUMMARY

SITE NAME: Ransome Company
ADDRESS: 4030 Hollis Street
Emeryville, California 94608
SITE TELEPHONE: (415) 652-3600
REMEDIATION DATE: November/December 1989
PEREGREN JOB#
SSO: Craig Douglas
PROJECT MANAGER: Dalton DeOrnellas

TYPE OF INVESTIGATION

Site Walk-Through
 Sampling Investigation
 Site Remediation
 Other

POTENTIAL HAZARDS

<input checked="" type="checkbox"/>	Organics	<input type="checkbox"/>	Solvents	<input type="checkbox"/>	Bases
<input type="checkbox"/>	Inorganics	<input type="checkbox"/>	Pesticides	<input checked="" type="checkbox"/>	Fire/Explosion
<input checked="" type="checkbox"/>	Metals	<input type="checkbox"/>	Acids	<input type="checkbox"/>	Other

PERSONAL PROTECTIVE EQUIPMENT

Level C
 Level D

1.0 INTRODUCTION

This Site Safety and Health Plan, developed by Kennedy/Jenks/Chilton (K/J/C) in accordance with OSHA standards for hazardous waste operations (29 CFR 1910.120), establishes general health and safety protocols for Peregrin Environmental Group (P/E/G) personnel at the Ransome Company, 4030 Hollis Street, Emeryville, California, 94608. Addenda containing activity-specific health and safety protocols will be prepared and attached to this Site Safety and Health Plan prior to the initiation of each field activity. The Site Safety and Health Plan and activity specific Addenda, as a minimum, will contain the following information:

- (A) Names of key personnel and alternates responsible for site safety and health and appointment of Site Safety Officer.
- (B) A safety and health risk evaluation for each site task and operation.
- (C) Personal protective equipment to be used by employees for each site task and operations being conducted.
- (D) Medical surveillance requirements.
- (E) Frequency and types of air monitoring, personal monitoring and environmental sampling techniques and instrumentation to be used. Methods of maintenance and calibration of monitoring and sampling equipment to be used.
- (F) Site control measures
- (G) Decontamination procedures
- (H) Site's standard operation procedures
- (I) An Emergency Response Plan which addresses effective site response to emergencies. As a minimum, the elements of the Emergency Response Plan will include the following:
 - (1) Pre-emergency planning
 - (2) Personnel roles, lines of authority training
 - (3) Emergency recognition and prevention
 - (4) Safe distances and places of refuge
 - (5) Site security and control
 - (6) Evacuation routes and procedures
 - (7) Decontamination
 - (8) Emergency medical treatment and first aid
 - (9) Emergency alerting and response procedures

- (10) Personal protective equipment and emergency equipment
- (11) Procedure for reporting incidents
- (12) Site map

For informational purposes only, this plan may be provided to subcontractors of Peregrin involved in activities at the site, interested regulatory agencies, or others. However, entities and personnel other than Peregrin shall be solely responsible for their own health and safety and shall independently assess onsite conditions and develop their own health and safety protocols. Entities or personnel that anticipate using health and safety measures which are less stringent than Peregrin measures should immediately contact the Peregrin Site Safety Officer (SSO).

Peregrin Environmental Group (PEG) has developed a corporate health and safety program. The corporate program complies with current health and safety regulations, including OSHA 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response. Many of the protocols of the corporate program are conducted on a routine basis (general training, respirator fit testing, general medical recordkeeping, etc.) and are not repeated herein. The corporate program is available to employees. Questions regarding the corporate program are referred to the Regional Safety Manager.

A copy of the Site Safety and Health Plan along with any addenda containing activity specific health and safety information will be kept in a conspicuous location at all times while work is being conducted.

2.0 KEY HEALTH AND SAFETY PERSONNEL

The Peregrin Environmental Group (PEG) SSO is Craig Douglas. In the absence of the SSO during field activities, a member of the field investigation team will be designated as the Field Site Safety Officer (FSSO). The SSO or FSSO is responsible for the following.

- o Observing field activities for compliance with this Site Health and Safety Plan, applicable addenda, and (PEG) Corporate Health and Safety Program
- o Maintaining the onsite medical surveillance, if required, and emergency medical treatment programs, and assisting in onsite emergencies
- o Modifying health and safety protocols or terminating field work when unsafe work conditions exist
- o Familiarizing personnel with health and safety protocols
- o Observing that field personnel wear appropriate personal protective equipment
- o Recording data from direct reading instruments and evaluating potential hazards

- o Monitoring decontamination procedures
- o Recording the occurrence of any site injury or illness

If unsafe conditions are encountered, if illness or injury occurs, or if the level of protection needs to be changed, the FSSO will consult in a timely manner with the Project Manager, D. Deornellas or the Operations Manager, M. Johnson.

3.0 SITE DESCRIPTION AND HISTORY

The Ransome Company are general contractors primarily involved with asphalt paving and grading. They have been located at 4030 Hollis Street in Emeryville, California, for approximately fifty years. This phase of work includes excavation and removal of:

- (1) 10,000-gallon underground regular gasoline storage tank. Leak detected 24 inches below grade and subsequently repaired.
- (2) 4,000-gallon underground diesel fuel storage tank. Leak detected in piping 12 inches below grade and subsequently repaired.
- (3) 1,000-gallon underground unleaded gasoline storage tank.
- (4) 350 gallon aboveground waste oil tank.

Samples of the soil beneath the tanks will be collected from the backhoe bucket.

4.0 SAFETY AND HEALTH RISK EVALUATION

4.1 Potential Physical Hazards

The risk of fire or explosion presents the most serious hazard to field personnel. Before beginning excavation, tanks will be drained of liquid as completely as possible. Vapors will be evacuated from tanks with 15 pounds of dry ice per 1,000-gallon of tank capacity. A combustible gas meter will be used to monitor the lower explosion limit (LEL) and oxygen levels in the tanks.

Field personnel should be cognizant of potential physical hazards associated with use of heavy equipment and electrical equipment during field operations. Appropriate precautions include the following:

- o ANSI approved hardhats, safety glasses or goggles, and steel-toe boots will be worn
- o Loose clothing that may catch in moving parts will not be worn
- o Hearing protection will be worn if a preliminary noise survey or past experience indicates that maximum noise levels will exceed 85 decibels at any time during site operations

Additionally, field personnel should not enter any excavations exceeding 5 feet in depth unless the excavations are properly shored, braced or sloped and a safety ladder is provided for ready access or egress.

Peregrin Environmental Group, (PEG) personnel will not enter any confined space, defined by OSHA as the concurrent existence of the following conditions, without advanced specific preparation, planning, training, and supervision by the SSO and Operations Manager.

1. Existing ventilation is insufficient to remove hazardous air contaminants and/or oxygen deficiency exists.
2. Ready access of egress for the removal of suddenly disabled employee is difficult due to location and/or size of the opening.
3. An atmosphere presenting a threat of causing death, injury, acute illness or disablement exists.

Adverse climate conditions, primarily heat, are important considerations in planning and conducting and conducting site operations. Maximum daytime temperature may exceed 80 degrees F at the site and heat stress is an associated concern. Preventative measures should included the following:

- 0 Frequent rest periods in the shade. The following work/rest schedule can be used as a guideline:

<u>Adjusted Temperature (F)</u>	<u>Active Work Time (min/hr) Using Level C PPE</u>
75 or less	50
80	40
85	30
90	20
95	10
100	0

Calculate the adjusted temperature:

$$T \text{ (adjusted)} = T \text{ (actual)} + (13 \times \text{fraction sunshine})$$

Measure the air temperature with standard thermometer, shielded from direct sunlight. Estimate fraction of sunshine by judging what percent the sun is out: 100% sunshine = no cloud cover 1.0; 50% cloud cover = 0.5; 0% sunshine = full cloud cover = 0.0.

- o Water and/or commercial electrolyte solutions will be available and drinking of these fluids will be encouraged
- o Suitable acclimation periods will be provided for workers to gradually establish their resistance to heat stress

Personnel exhibiting symptoms of heat stress (nausea, cramps, dizziness, clammy skin) will be removed from the work area, cooled, fluids will be administered, and the personnel will be observed. Personnel exhibiting symptoms of heat stroke (hot dry skin, mental confusion, unconsciousness) will be immediately cooled and taken to the hospital.

4.2 Potential Chemical Hazards

Field personnel could potentially be exposed to VOCs and other chemicals at the site by direct contact with soil or groundwater, through inhalation of dusts containing organic or inorganic chemicals, or through inhalation of organic chemical vapors. Field personnel will minimize potential chemical hazards by (1) avoiding direct contact with groundwater and soil, (2) performing air monitoring to determine necessary level of personal protective equipment and (3) avoiding generation of dust. Ingestion of particulate matter containing chemicals is another general exposure route. Appropriate respirators will be worn if air monitoring indicates that TLVs or the PELs of chemicals of concern are being exceeded. Safe work practices, including restriction of eating, drinking, or smoking to certain times and places will be enforced at the worksite.

5.0 COMMUNITY HAZARD ANALYSIS

An effort will be made to minimize particulates and vapor emissions during excavation. There is no known contamination at the site, and onsite worker exposure to chemicals at concentrations of concern is not expected. Potential exposures to the surrounding community will likely be much less than potential on site worker exposure, and is therefore also not expected to be of concern.

6.0 PROTECTIVE ACTIONS

6.1 Personnel Protective Equipment

Field personnel will wear equipment to protect against the potential physical and chemical hazards which have been identified herein and those that become apparent in the field. Level D protection will be required at a minimum for field activities at the site. Level D personal protective equipment to be used will include:

- o ANSI approved hard hat
- o Chemical resistant gloves - disposable PVC
- o Boots, steel toe and shank
- o Work clothes or Tyvek
- o ANSI approved safety glasses (for drilling activities)
- o Safety goggles or a face shield should be used when a foreseeable splash hazard exists

Additional equipment will be readily available to upgrade to modified Level C protection, if necessary. This equipment includes:

- o Full-face or half-face air purifying respirator with high efficiency particulate/organic vapor cartridges
- o Chemical resistant gloves; inner glove - disposable PVC and outer glove - NBR/Nitrile
- o Boot covers
- o Boots, chemical resistant, steel toe and shank
- o Safety goggles or a face shield should be used when a foreseeable splash hazard exists

The level of protection employed may be upgraded, as deemed necessary by the SSO or FSSO.

If non-routine field activities are initiated, the level of protection will be specified in the activity-specific health and safety addenda

6.2 Work Zones

Work zones including designation of an exclusive zone, a contamination reduction zone, and a support zone will be established for any field activity which requires level C protection or greater. Work zones will be clearly marked in the field. Work zones may vary depending on the proposed field activity and will be established in the activity-specific health and safety addenda.

6.3 Monitoring

Kennedy/Jenks/Chilton (K/J/C) field personnel will perform air monitoring twice daily with a direct reading organic vapor analyzer (OVA, OVM or HNU) in the breathing zone at each work location. All readings shall be recorded in field logs. All direct reading instruments shall be calibrated according to the manufacturer's specifications.

If OVA readings for a particular work area consistently exceed 5 parts per million (ppm) above background, then work will cease and personnel will withdraw from the work area. If concentrations persist above 5 ppm, then Level C protection will be required if work is to continue. If OVA readings exceed 10 ppm in the breathing zone while workers are in Level C protection, then work will cease and the source of the emission will be controlled before work continues.

Air in the tanks will be monitored at least once per hour during removal from the ground and while they are on site. A combustible gas meter will be used to measure the lower explosion limit (LEL) and oxygen level in each tank. If readings exceed 15% of the LEL or if the oxygen level is greater than 10% of the total air volume, work will cease and personnel withdrawn from the area. Dry ice will be placed in the tanks to evacuate the explosive vapors before work continues.

Field personnel will initially monitor noise levels associated with equipment and machines with a direct reading portable noise level monitor unless based on experience, it is known that hearing protection is not necessary. Readings will be taken within the normal worker hearing zone. If maximum noise levels exceed 85 decibels at any time during site operations, hearing protection will be worn.

6.4 Site Control

The site is fenced around its perimeter. Personnel and vehicle entry and exit will be restricted. There will be only one entry and one main exit. Alternate exits will be used only in the event of an emergency. These exits will be clearly marked.

Work zones will not be established for Level D activities; therefore, unauthorized individuals will be requested to stay at least 50 feet away from Level D activities.

6.5 Decontamination

For activities requiring Level D protection and modified Level C protection without established work zones, it is unlikely that major decontamination will be necessary. At the conclusion of each day, disposable gloves and coveralls will be removed and disposed of in on site containers.

If full Level C protection is required, minimum decontamination procedures associated with Level C protection will be followed within the decontamination reduction zone established by the Site Safety Officer. These procedures are presented in Table 1 and on Figure 1.

6.6 Training

Peregren Environmental Group (PEG), personnel participating in field activities will have completed the Hazardous Waste Operations and Emergency Response 40-hour health and safety training course (29 CFR 1910.120) or have equivalent training. Prior to each day of work, a meeting will be held at the site to familiarize personnel with health and safety issues, protective equipment, emergency information and supplies, and to discuss special topics.

6.7 Medical Monitoring

P/E/G personnel participating in field activities will be included in a medical surveillance program. The program includes a baseline physical examination, pulmonary function test, and blood and urine test. Annual follow-up examinations are included. Details of the medical program are included in PEG's Corporate Health and Safety Program.

6.8 Sanitation

The site has drinking water, washing water, and restroom facilities available. No eating, smoking, or gum chewing is allowed in restricted areas.

Hazard recognition is an essential part of the Emergency Response Plan. Initiation of the contingency plan relies on the employees's ability to recognize an emergency or potential for an emergency. The following is a list of events which will immediately initiate emergency procedures:

- o Explosion
- o Fire
- o Release of organic vapors of particulate above the action levels
- o Personal injury
- o Natural occurrences, i.e., lightning, tornado, high winds, etc.

Emergency communications will consist of four methods:

Verbal Communication

Verbal communication will be the primary method of emergency communication between onsite personnel, distance permitting.

Hand Signals

- o Hands clasped on wrists will indicate personnel to stop work and exit exclusion zone
- o Hands on throat indicates ability to breathe
- o Thumbs up indicates O.K.
- o Thumbs down indicates not O.K.

Air Horn/Vehicle Horn

Air horns will be carried by personnel entering any established exclusion zone and stationed in the support zone. If air horns fail or are lost, vehicle horns may be used as a substitute. Air horns will be the primary alarm system and used in the following manner:

- | | |
|---------------------|--|
| One long blast: | Evacuate exclusion zone by nearest exit.
Proceed to assembly area. |
| Two short blasts: | Localized problem. Avoid area, move to decontamination reduction zone for further instruction. |
| Three short blasts: | All clear, resume work. |

Telephones

Telephones are used for routine communication and to notify off-site agencies of incidents and request assistance. Emergency telephone numbers are give in Table 2.

When an event recognized as an emergency occurs, the alarm system will be used to notify personnel. As soon as the alarm system is activated, the SSO or FSSO will be notified.

The SSO or FSSO will take into account the following information:

- o Nature of emergency
- o Wind direction
- o Location of personnel
- o Monitoring results
- o Emergency equipment available
- o Offsite population

Based on this information, the SSO or FSSO will direct appropriate emergency action and agency notification. After the emergency has been controlled and the site is considered safe to re-enter, the SSO or FSSO will direct remedial action to restore the site to full operating condition.

The SSO or FSSO will investigate the nature and cause of the incident so that work procedures can be modified to minimize the likelihood of the incident's recurrence. All incidents must be reported in a timely, appropriate manner. An incident is any unplanned event resulting in injury, damage, loss of assets, adverse publicity, or which requires notification of a regulatory agency, regardless of severity. All PEG personnel should report an incident to the SSO or FSSO. The SSO and FSSO will report to the project manager. Each incident will be investigated and a written report should be received by the project manager and the regional safety supervisor within five days of the incident.

If work zones are established, the exclusion zone will have several emergency exits which will allow safe egress in multiple directions from any point on site. The exit selection will be based on the emergency location, type of emergency, and wind direction. Upon hearing the evacuation signal or otherwise being notified of an evacuation, employees will immediately travel to the assembly area located at the decontamination station.

Employees will follow a route that avoids locations downwind from the emergency. If emergency exits are used, employees will proceed to the assembly area by the quickest route possible, staying close to the perimeter of the Exclusion Zone. When the assembly area is reached, employees will immediately check in with the SSO or FSSO. The site will remain evacuated until the all clear signal has been given.

Onsite emergency equipment will include equipment used during operations (heavy equipment) and reserved items stored at the decontamination/assembly area and at strategic areas on site. The following is a list of emergency equipment available:

- o Portable emergency eye wash
- o Two twenty-pound ABC fire extinguishers
- o First-aid supplies

All personnel will have a thorough understanding of the contingency plan before starting work. It will be rehearsed regularly and reviewed periodically to keep it current with new or changing site conditions or information.

In the event of personal injury, first-aid personnel must decide if the victim's injuries are potentially the type that would be aggravated by movement. If there is any doubt, or the victim is unconscious and cannot respond, no attempt should be made to move the victim to the decontamination area. Only offsite paramedics may move such victims. If the decision is made not to remove the victim's protective clothing, he or she will be wrapped in a tarp or similar object to protect the ambulance and crew during transportation. If the victim is contaminated with materials that threaten to cause additional injury or immediate health hazards, the personal protective equipment shall be carefully removed and the victim washed appropriately. Routine and emergency communication will be provided by the site telephone.

Signatures

Site Safety Officer _____ Date _____
Regional Safety Supervisor _____ Date _____
Project Manager _____ Date _____
Peregrin Environmental Group
Operations Manager _____ Date _____

TABLE 1
MEASURES FOR LEVEL C DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used onsite (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, a cool down station may be set up within this area.
Station 2.	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and splash suit with decon solution or detergent water. Rinse off using copious amounts of water.
Station 3.	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4.	Canister or Mask Change	4. If worker leaves exclusion zone to change canister (or mask), this is the last step in the decontamination procedure. Worker's canister is exchanged, new outer gloves and boot covers donned, joints taped, and worker returns to duty.
Station 5.	Boot, Gloves and Outer Garment Removal	5. Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 6.	Face Piece Removal	6. Facepiece is removed. Avoid touching face with fingers. Facepiece is deposited on plastic sheet.
Station 7:	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.

TABLE 2
EMERGENCY INFORMATION

EMERGENCY TELEPHONE NUMBERS

In emergency:	911		
Site Telephone:	(415) 652-3600		
Hospital (See Figure 2)	Kaiser-Permanente Medical Center 280 w. MacArthur Blvd., Oakland		
Ambulance:	(415) 428-7000		
Police:	911		
Fire Department:	911		
Peregren Environmental Group	(415)481-7560		
Site Safety Officer	Craig Douglas		
Project Manager	Dalton Deornellas	(home)	(415)754-7309

ISSUE DATE (MM/DD/YY)
11/08/89

CERTIFICATE OF INSURANCE

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OF OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW

PRODUCER

Marsh & McLennan, Inc.
Three Embarcadero Center
P. O. Box 3880
San Francisco, CA 94111
(415) 393-5000

INSURED
Peregrin Management Group
Peregrin Environmental Group, Inc.
Peregrin Restoration & Construction, Inc.
270 Oyster Point Boulevard
South San Francisco, California 94080

COMPANIES AFFORDING COVERAGE	
COMPANY LETTER A	HOME INSURANCE COMPANY
COMPANY LETTER B	NATIONAL UNION FIRE INS. CO. OF PA.
COMPANY LETTER C	INSURANCE COMPANY OF THE STATE OF PA.
COMPANY LETTER D	
COMPANY LETTER E	

COVERAGES
THIS IS TO CERTIFY THAT POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS, AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CD LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN THOUSANDS	
					GENERAL AGGREGATE	
B	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCURRENCE <input type="checkbox"/> OWNERS & CONTRACTORS PROTECTIVE	GL5901561	4-28-89	4-28-90	GENERAL AGGREGATE	\$ 2,000.
					PRODUCTS COMP/OPS AGGREGATE	\$ 1,000.
					PERSONAL & ADVERTISING INJURY	\$ 1,000.
					EACH OCCURRENCE	\$ 1,000.
					FIRE DAMAGE (ANY ONE FIRE)	\$ 50.
					MEDICAL EXPENSE (ANY ONE PERSON)	\$ 5.
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTOS <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> GARAGE LIABILITY	BAF163640	4-28-89	4-28-90	COL	\$ 1,000,000
					BODY INJURY (PER PERSON)	\$
					BODY INJURY (PER ACCIDENT)	\$
					PROPERTY DAMAGE	\$
					EACH OCCURRENCE	\$ 5,000
C	EXCESS LIABILITY <input checked="" type="checkbox"/> OTHER THAN UMBRELLA FORM	4789-5482	5-1-89	6-1-90	AGGREGATE	\$ 5,000
					STATUTORY	\$ 1,000,000 (EACH ACCIDENT)
A	WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY	PWCK 986034	4-28-89	4-28-90	\$ 1,000,000 (DISEASE-POLICY LIMIT)	
					\$ 1,000,000 (DISEASE-EACH EMPLOYEE)	
					\$ 1,000,000	
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS
Re: Tank Removal for Kennedy/Jenks in Emeryville to be completed within the next 60 days.

CERTIFICATE HOLDER
Alameda County Health Care Service
Dept. of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, California 94621

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.
AUTHORIZED REPRESENTATIVE: [Signature] MARSH & MCLENNAN, INC.



Ransome Company

Engineering Construction

October 24, 1989

Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, California 94621

Subject: Underground Storage Tank Closure Plan
Ransome Company, 4030 Hollis St., Emeryville,
California

Gentlemen:

Ransome Company is hereby submitting three copies of a preliminary Underground Storage Tank Closure Plan for the removal and disposal of four fuel underground storage tanks (USTs), associated piping and fuel island, and the removal and reinstallation above grade of a partially buried waste oil tank. A check for the removal fee of \$996.00 for five tanks is also submitted herewith.

UST registrations and operating permits have been obtained by Ransome for only three of the fuel USTs. The fourth fuel UST, a 4,000 gallon diesel tank, was identified during a preliminary environmental site assessment performed recently by Kennedy/Jenks/Chilton, Inc. (K/J/C). The use of this tank was discontinued many years ago. The Management of Ransome thought that the tank had been removed when the UST registrations were submitted. Ransome also did not include the partially buried 350 gallon waste oil tank which only extends approximately two feet into the ground. The Management of Ransome did not understand that the UST regulations applied to this tank.

Upon reviewing our files on USTs, we discovered a letter dated May 23, 1988 from Rafat A Shahid, Chief, Hazardous Materials Division, to Mr. Mark Smith of Ransome, regarding an unauthorized release from an underground storage tank. We did not find in our files a copy of a formal written response to Mr. Shahid's letter, and, consequently, we are unsure whether such a formal response was given. However, after

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receiving Mr. Shahid's letter, we performed pipe repairs and engaged a tank testing contractor, who performed leak tests on the subject tanks and related piping. The tests were successful. We submitted the results of the test to your agency, and we have heard nothing since. Consequently, Ransome understands that this response was considered satisfactory. In any event, if the agency has further inquiries concerning the subject of Mr. Shahid's letter, they may be answered within the enclosed Closure Plan and the subsequent submittal of the information requested in Item 22 of the Closure Plan. Copies of the May 23, 1988 letter and the relevant tank leak test reports are enclosed for your information.

The preliminary UST Closure Plan submitted at this time includes information on the Ransome Company and K/J/C, the Project Engineer. It also includes the "Project Manual, Underground Tank Removal," which contains the specifications for the tank removal. The Plot Plan required by Item 20 of the Closure Plan is presented as the "Site Plan" on the last page of the Project Manual. In addition, the Closure Plan includes K/J/C's Health and Safety Plan and Certificate of Insurance. Information on the Contractor, Transporters and Disposal Sites will be submitted when they have been selected in November. This information will include the Contractor's Health and Safety Plan and Certificate of Insurance. It will also include the Contractor's signature on the declaration presented on page 5 of the Closure Plan.

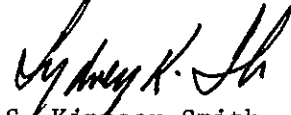
This Closure Plan is being submitted in preliminary form to allow the Hazardous Materials Division to review and comment on the available information. Ransome will request the expeditious review and approval of the Closure Plan when the remaining information is submitted in November.

A copy of this letter and attachments are being sent to the Santa Fe Pacific Realty Corporation, the land owner, to satisfy the land owner notification requirements.

Please call me at (415) 652-3600 or Bob Schenker of K/J/C at (415) 243-2515 if you have any questions or comments. The remaining information will be submitted as soon as it becomes available.

Very truly yours,

RANSOME COMPANY



S. Kinneer Smith
President

Enclosures

cc: Prem P. Chaudhri, Santa Fe Pacific Realty Corporation,
(w/enclosures)

ACORD. CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)

9/07/89

PRODUCER

DEALEY, RENTON & ASSOCIATES
 P.O. Box 12675
 100 Oak Street, CA 94604-2675

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW

COMPANIES AFFORDING COVERAGE

CODE 410-425-3090 SUB-CODE

COMPANY LETTER **A**

National Surety Corp.

COMPANY LETTER **B**

COMPANY LETTER **C**

COMPANY LETTER **D**

COMPANY LETTER **E**

INSURED

Kennedy/Jenks/Chilton, Inc.
 Marathon Plaza, 10th Floor
 503 Second Street
 San Francisco, CA 94107

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN THOUSANDS
	GENERAL LIABILITY				GENERAL AGGREGATE \$
	COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OPS AGGREGATE \$
	CLAIMS MADE OCCUR.				PERSONAL & ADVERTISING INJURY \$
	OWNER'S & CONTRACTOR'S PROT				EACH OCCURRENCE \$
					FIRE DAMAGE (Any one fire) \$
					MEDICAL EXPENSE (Any one person) \$
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT \$
	ANY AUTO				BODILY INJURY (Per person) \$
	ALL OWNED AUTOS				BODILY INJURY (Per accident) \$
	SCHEDULED AUTOS				PROPERTY DAMAGE \$
	HIRED AUTOS				
	NON-OWNED AUTOS				
	GARAGE LIABILITY				
	EXCESS LIABILITY				EACH OCCURRENCE \$
					AGGREGATE \$
	OTHER THAN UMBRELLA FORM				
	WORKER'S COMPENSATION				STATUTORY
	AND				\$ 1,000 (EACH ACCIDENT)
	A EMPLOYERS' LIABILITY	WF 00509870	1/01/89	1/01/90	\$ 1,000 (DISEASE—POLICY LIMIT)
					\$ 1,000 (DISEASE—EACH EMPLOYEE)
	OTHER				

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS

All operations of the named insured.

CERTIFICATE HOLDER

Alameda Co. Health Care Serv.
 Dept. of Environ. Health
 Hazardous Materials Division
 80 Swan Way, Room 200
 Oakland, CA 94621

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE **DEALEY, RENTON & ASSOCIATES**
 BY David C. Ell



Ransome Company

Engineering Construction

D.B.

89 NOV 31 AM 11:00

November 27, 1989

Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, California 94621

Subject: Underground Storage Tank Closure Plan
Ransome Company, 4030 Hollis Street,
Emeryville, California

Gentlemen:

Ransome Company is hereby submitting three copies of a Supplemental Underground Storage Tank Closure Plan for the removal and disposal of four underground fuel storage tanks, associated piping and fuel island, and the removal and reinstallation above grade of a partially buried waste oil tank. A preliminary Underground Storage Tank Closure Plan and a check for the removal fee of \$996.00 for five tanks were submitted to your agency on October 24, 1989.

The Supplemental Underground Storage Tank Closure Plan submitted at this time includes information on the contractor, transporters and disposal sites which have been selected for the project. In addition, it also includes the contractor's Health and Safety Plan, Certificate of Insurance, Contractor's License, and City of Emeryville Business License. The contractor's signature appears on page 5 of the enclosed plan.

We now believe that our Closure Plan is complete. Therefore, please review and approve our Closure Plan in an expeditious manner so that we may proceed with the removal of the underground storage tanks. Please call Bob Schenker of Kennedy/Jenks/Chilton at (415) 243-2515 if you have any questions or require additional information.

Very truly yours,

RANSOME COMPANY

Don Harry Chairman
S. Kinnear Smith for G.K. Smith
President

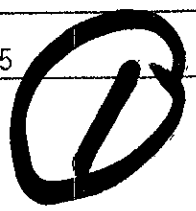
Enclosures

11C

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name Ransome Company
Business Owner Ransome Company
2. Site Address 4030 Hollis Street
City Emeryville Zip 94662 Phone (415) 652-3600
3. Mailing Address 4030 Hollis Street
City Emeryville Zip 94662 Phone (415) 652-3600
4. Land Owner Santa Fe Pacific Realty Corporation
Address Suite 202
201 Mission Street City, State San Francisco Zip 94105
5. EPA I.D. No. CAD 982326662
6. Contractor To be provided later.
Address _____
City _____ Phone _____
License Type _____ ID# _____
7. Consultant Kennedy/Jenks/Chilton, Inc.
Address 303 Second Street, 10th Floor North/Marathon Plaza
City San Francisco, CA 94017 Phone (415) 362-6065



U552937

8. Contact Person for Investigation

Name Robert W. Schenker Title Senior Environmental Engineer
Phone (415) 243-2515

9. Total No. of Tanks at facility 5

10. Have permit applications for all tanks been submitted to this office?
Yes [] No [X]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name To be provided later. EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

b) Rinsate Transporter

Name N/A EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

c) Tank Transporter

Name To be provided later. EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

d) Tank Disposal Site

Name To be provided later. EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

e) Contaminated Soil Transporter

Name N/A EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

12. Sample Collector

Name Christopher Proud or Timothy Kneafsey
 Company Kennedy/Jenks/Chilton, Inc.
 Address 303 Second Street, 10th Floor North/Marathon Plaza
 City San Francisco State CA Zip 94107 Phone (415) 243-2533
 or
(415) 243-2506

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
10,000 gallon	Regular Gasoline	Soil	2 feet of native soil below each end of tank
4,000 gallon	Diesel Fuel	Soil	2 feet of native soil below each end of tank
1,000 gallon	Unleaded Gasoline	Soil	2 feet of native soil below each end of tank
4,000 gallon	Regular Gasoline	Soil	2 feet of native soil below each end of tank
350 gallon	Waste Oil	Soil	2 feet of native soil below fill end of tank

14. Have tanks or pipes leaked in the past? Yes [X] No []

If yes, describe. 1/29/88: Diesel tank piping leaking 12" below grade,
regular gasoline tank piping leaking at top. 7/14/88: Diesel tank tested OK.
8/8/88: Regular gasoline tank tested OK.

15. NFPA methods used for rendering tank inert? Yes [X] No []

If yes, describe. 15 pounds of CO₂ (dry ice) per 1,000 gallons of tank
capacity will be placed at bottom of tanks to flush out organic vapors.

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Kennedy/Jenks/Chilton, Inc./Laboratory Division
 Address 303 Second Street, Tenth Floor North/Marathon Plaza
 City San Francisco State CA Zip 94107
 State Certification No. 113

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Total Petroleum Hydrocarbons as Gasoline	Purge and Trap	GC EID (5030)
Total Petroleum Hydrocarbons as Diesel	Extraction	GC FID (5030)
Benzine, Tuolene, Xylene and Ethyl Benzine	Purge and Trap	GC PI (8020)
Oil and Grease	Extraction	Gravimetric (503.D & E)

18. Submit Site Safety Plan

19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

Name of Insurer National Surety Corp.

20. Plot Plan submitted? Yes No

21. Deposit enclosed? Yes No

22. Please forward to this office the following information within 60 days after receipt of sample results.

a) Chain of Custody Sheets

b) Original Signed Laboratory Reports

c) TSD to Generator copies of wastes shipped and received

d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) To be provided later.

Signature _____

Date _____

Signature of Site Owner or Operator

Name (please type) Mr. S. Kinnear Smith

Signature *S. Kinnear Smith*

Date 10/24/89

ACORD CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)

9/07/89

PRODUCER

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW

DEALEY, RENTON & ASSOC.
P.O. Box 12570
Low Oak Street, CA 94604-2575

COMPANIES AFFORDING COVERAGE

CODE 415-465-3090 SUB-CODE

COMPANY LETTER **A**

National Surety Corp.

COMPANY LETTER **B**

COMPANY LETTER **C**

COMPANY LETTER **D**

COMPANY LETTER **E**

INSURED

Kennedy/Jenks/Chilton, Inc.
Marathon Plaza, 10th Floor
303 Second Street
San Francisco, CA 94107

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN THOUSANDS
	GENERAL LIABILITY				GENERAL AGGREGATE \$
	COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OPS AGGREGATE \$
	CLAIMS MADE OCCUR.				PERSONAL & ADVERTISING INJURY \$
	OWNER'S & CONTRACTOR'S PROT.				EACH OCCURRENCE \$
					FIRE DAMAGE (Any one fire) \$
					MEDICAL EXPENSE (Any one person) \$
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT \$
	ANY AUTO				BODILY INJURY (Per person) \$
	ALL OWNED AUTOS				BODILY INJURY (Per accident) \$
	SCHEDULED AUTOS				PROPERTY DAMAGE \$
	HIRED AUTOS				
	NON-OWNED AUTOS				
	GARAGE LIABILITY				
	EXCESS LIABILITY				EACH OCCURRENCE \$
					AGGREGATE \$
	OTHER THAN UMBRELLA FORM				
	WORKER'S COMPENSATION				STATUTORY
	AND				\$ 1,000 (EACH ACCIDENT)
A	EMPLOYERS' LIABILITY	WF30309870	1/01/89	1/01/90	\$ 1,000 (DISEASE—POLICY LIMIT)
					\$ 1,000 (DISEASE—EACH EMPLOYEE)
	OTHER				

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS

All operations of the named insured.

CERTIFICATE HOLDER

Alameda Co. Health Care Servs.
Dep. of Environ. Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE **DEALEY, RENTON & ASSOCIATES** 1285540000

BY

David C. [Signature]

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# 1667 Site Name Ransome Company Today's Date 11/30/88
 Site Address 4030 Hollis St EPA ID# _____
 City Emeryville Zip 94608 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
 Hazardous Waste generated per month? _____

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	1. Waste ID	* 66471
	2. EPA ID	66472
	3. > 90 days	66508
	4. Label dates	66508
	5. Biennial	66493
Manifest	6. Records	66492
	7. Correct	66484
	8. Copy sent	66492
	9. Exception	66484
	10. Copies Rec'd	66492
Misc.	11. Treatment	66371
	12. On-site Disp. (H.S.&C.)	26189.5
	13. Ex Haz. Waste	66570
Prevention	14. Communications	67121
	15. Aisle Space	67124
	16. Local Authority	67126
	17. Maintenance	67120
	18. Training	67105
Contn. Agency	19. Prepared	67140
	20. Name List	67141
	21. Copies	67141
	22. Emg. Coord. Trng.	67144
Containers, Tanks	23. Condition	67241
	24. Compatibility	67242
	25. Maintenance	67243
	26. Inspection	67244
	27. Buffer Zone	67246
	28. Tank Inspection	67259
	29. Containment	67245
	30. Safe Storage	67261
	31. Freeboard	67257

Comments:

grading, paving + concrete contractors

1 waste oil tank UGT - Precision O/T
Precision test 3 months ago following repair
after failed tests

solvent tank serviced by safety kleen
(3) 250 gal Acetylene tanks

(8) 55 gal drums of oil + grease

(1) 120 ft³ propane tank above ground

(1) 4,000 gal diesel tank UGT

(1) 10,000 gal regular tank UGT

(1) 1,000 gal unleaded tank UGT

some secondary containment required
around oil + grease storage drums

I.B TRANSPORTER (Title 22)

	32. Applic./Insurance	66428
	33. Comp. Cert./CHP Insp.	66448
	34. Containers	66465
Manifest	35. Vehicles	66465
	36. EPA ID #s	66531
	37. Correct	66541
	38. HW Delivery	66543
	39. Records	66544
Cont'n	40. Name/ Covers	66545
	41. Recyclables	66800

Rev 6/88

Contact: _____

Title: SAFETY OFFICER

Signature: [Signature]

Inspector: _____

Signature: [Signature]



TESTING AND TECHNOLOGY

P.O. Box 4570
Vallejo, CA 94590
(707) 648-5014

25-C Commercial Blvd.
Novato, CA 94949 24
(415) 883-5070

August 12, 1988

Mark Smith
RANSOME COMPANY
4030 Hollis Street
Emeryville, CA 94608

file

RECEIVED
NOV 1 1988
HAZARDOUS WASTE PROGRAM

Dear Mark:

I would like to take this opportunity to thank you for allowing Testing and Technology to be of service to you.

Enclosed are the results for the underground storage test performed on August 8, 1988 at Ransome Company. As you already know, the tank tested tight and the results are well within the guidelines set forth by State Regulations.

I have sent a copy of these reports on to Liz Rose of the County Department of Environmental Health for your convenience.

If you have any further questions regarding this matter, please feel free to call me at: (415) 883-5070.

Sincerely,

Constance Green

Constance Green
Office Manager

CG/stl

Enclosures

CC: Liz Rose, County of Alameda, Department of Environmental Health

4C

TESTING AND TECHNOLOGY
1377 9th Avenue
San Francisco, CA 94122
(415) 883-5070

INVOICE # 2337 TEST DATE 8/8/88

COMPANY NAME RANSOME COMPANY

PHONE #

MAIL ADDRESS

TANK ADDRESS 4030 HOLLIS STREET EMERYVILLE CA 94608

CONTACT NAME MARK SMITH

PHONE # 652-3600

PROPERTY OWNER

PHONE #

MAILING ADDRESS

TANK INFORMATION

TANK # THREE
PRODUCT REGULAR
CAPACITY 10,000
CONSTRUCTION STEEL
DIAMETER 93"
FILL PIPE 24
TANK BOTTOM DEPTH 117"
PUMP TYPE SUCTION
VAPOR RECOVERY NONE
TANK WATER 1/2"

TEST INFORMATION

TEST EQUIPMENT HORNER
FULL SYST/TANK ONLY FULL
DATE/TIME FILLED N/A
GALLONS TO TOP OFF N/A
GROUND WATER DEPTH 10+
TANK BTM PRESSURE 3.640

RESULTS

PASS - FAIL PASS
LOSS RATE .0072

COMMENTS

TESTING AND TECHNOLOGY

TEST REPORT

HORNER 'EZY CHEK' LEAK DETECTOR

COMPANY RANSOME COMPANY

DATE 8/8/88

INVOICE 2337 TANK # 3

PRODUCT REGULAR

CAPACITY 10,000

MEASURED API 56.8

TEMPERATURE 72

ADJUSTED API N/A

COEF OF EXPANSION N/A

TEMP SHIFT FACTOR 6.5833

CALIBRATING ROD .05

DIVIDED BY # LINES 20.83

= CHART CALIB FACTOR .0024

OTHER 10 GALLONS ADDED AT 09:45 TO OVERFILL TANK FOR TEST

TIME	TEST HEIGHT	CHART # 'S	GAIN LOSS	CHART FACTR	LEVEL RESLT	TEMP STRT	TEMP END	GAIN LOSS	TEMP FACTR	TEMP RESULT	6 MIN RESULT IN GAL	HOURLY RESULT GAL/HR
10:06	+36"	87 57	-30	.0024	-.0720	.315	.308	-.007	6.5833	-.0461	-.0259	
10:12	+36"	79 59	-20		-.0480	.308	.307	-.001		-.0066	-.0414	
10:18	+36"	77 61	-16		-.0384	.307	.307	0		0	-.0384	
10:24	+36"	81 67	-14		-.0336	.307	.307	0		0	-.0336	
10:30	+36"	86 71	-15		-.0360	.307	.307	0		0	-.0360	
10:36	+36"	77 67	-10		-.0240	.307	.303	-.004		-.0263	+.0023	
10:42	+36"	94 80	-14		-.0336	.303	.304	+.001		+.0066	-.0402	
10:48	+36"	80 72	-8		-.0192	.304	.302	-.002		-.0132	-.0060	
10:54	+36"	80 72	-8		-.0192	.302	.305	+.003		+.0197	-.0389	
11:00	+36"	78 73	-5		-.0120	.305	.306	+.001		+.0066	-.0186	
11:06	+36"	72 X X			X	.306	.306	0		0	X	
11:12	+36"	52 48	-4		-.0096	.306	.306	0		0	-.0096	
11:18	+36"	53 49	-4		-.0096	.306	.306	0		0	-.0096	
11:24	+36"	52 48	-4		-.0096	.306	.306	0		0	-.0096	
11:30	+36"	52 48	-4		-.0096	.306	.306	0		0	-.0096	
11:36	+23"	X X X			X	.306	.308	+.002		+.0132	X	
11:42	+23"	47 47	0		0	.308	.306	-.002		-.0132	+.0132	

PRODUCT REGULAR CAPACITY 10,000 MEASURED API 56.8 TEMPERATURE 72

ADJUSTED API N/A COEF OF EXPANSION N/A TEMP SHIFT FACTOR 6.5833

CALIBRATING ROD .05 DIVIDED BY # LINES 20.83 = CHART CALIB FACTOR .0024

OTHER 10 GALLONS ADDED AT 09:45 TO OVERFILL TANK FOR TEST

TIME	TEST HEIGHT	CHART # 'S	GAIN LOSS	CHART FACTR	LEVEL RESLT	TEMP STRT	TEMP END	GAIN LOSS	TEMP FACTR	TEMP RESULT	6 MIN		HOURLY
											RESULT IN GAL	RESULT GAL/HR	
11:48	+23	47 46	+1	.0024	-.0024	.306	.304	-.002	6.5833	-.0132	+0.0108		
11:54	+23"	46 45	-1		-.0024	.304	.305	+0.001		+0.0066	-.0090		
12:00	+23"	45 44	-1		-.0024	.305	.304	-.001		-.0066	+0.0042		
12:06	+23"	44 42	-2		-.0048	.304	.304	0		0	-.0048		
12:12	+23"	46 45	-1		-.0024	.304	.303	-.001		-.0066	+0.0042		
12:18	+23"	45 43	-2		-.0048	.303	.303	0		0	-.0048		
12:24	+23"	43 40	-3		-.0072	.303	.303	0		0	-.0072		
12:30	+23"	43 42	-1		-.0024	.303	.302	-.001		-.0066	+0.0042		
12:36	+23"	42 40	-2		-.0048	.302	.304	+0.002		+0.0132	-.0180	-.0072	

RESULTS CERTIFIED TIGHT YES AT TEST HEIGHT OF 23" LOSS RATE (GPH) -.0072 (+/-)

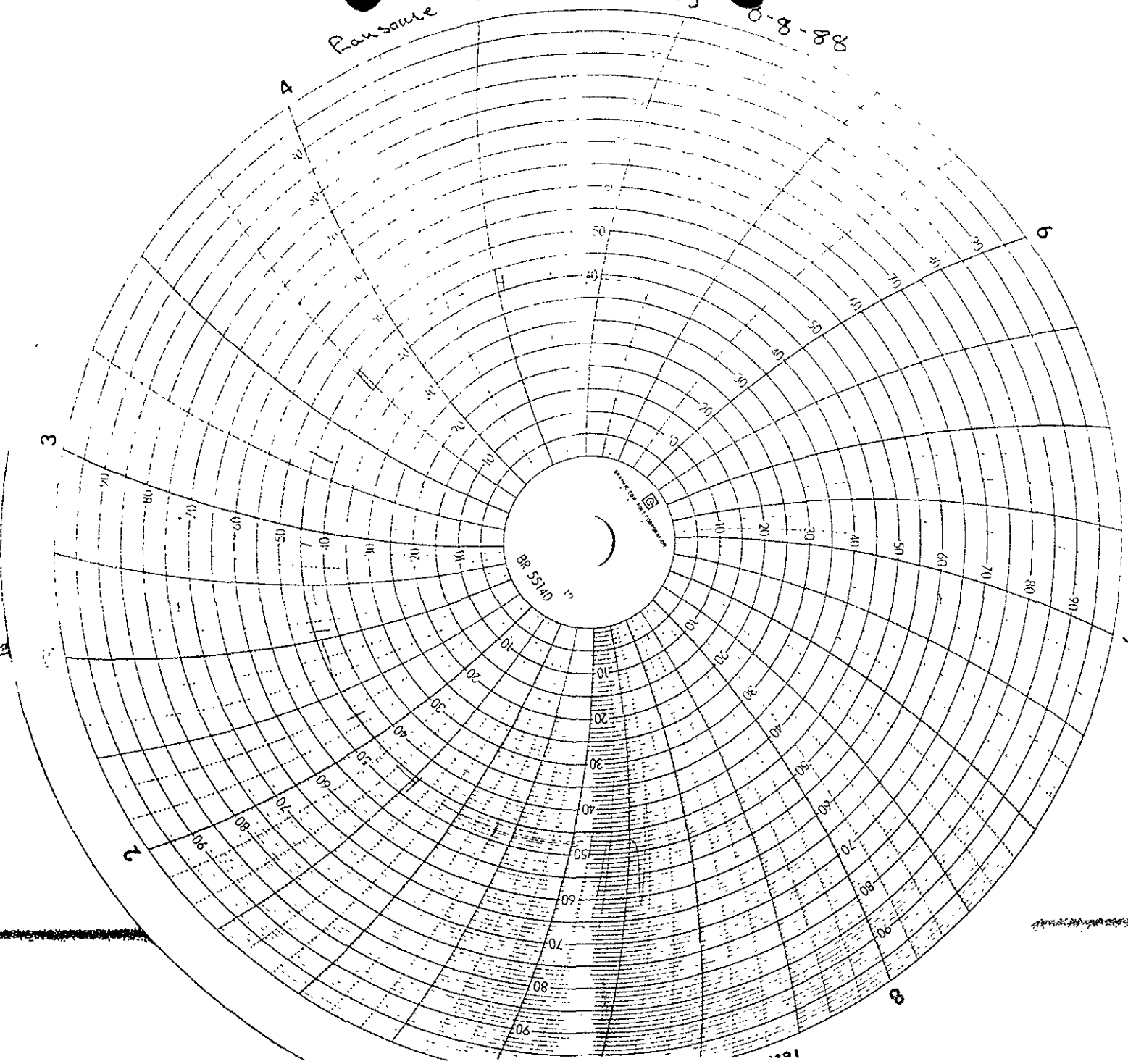
TESTED BY Frank P. Phelan
FRANK T. PHELAN

COMMENTS

THE DATA FOR THIS TEST MEETS NFPA 329 STANDARDS. THE EQUIPMENT USED TO GENERATE THIS DATA IS ABLE TO DETECT A PRODUCT LOSS AT THE RATE OF 0.05 GALLONS PER HOUR. THIS IS NOT TO BE CONSTRUED AS AN ALLOWABLE LEAK RATE, BUT RATHER AS AN ACCURACY TOLERANCE OF THE TESTING EQUIPMENT WHICH ALLOWS FOR THE MANY VARIABLES INVOLVED. TAT GUARANTEES ONLY THAT THE DATA FOR THIS REPORT MEETS NFPA CRITERIA ON THE DAY OF THIS TEST, TAT MAKES NO WARRANTY OF TANK AND/OR LINE FITNESS NOR DO WE ASSUME RESPONSIBILITY FOR ANY LEAKAGE WHICH MAY HAVE OCCURRED AS A RESULT OF THIS TEST.

Ransome Co Tank #35

0-8-88





TESTING AND TECHNOLOGY

P.O. Box 4570
Vallejo, CA 94590
(707) 648-5014

1377 9th Avenue
San Francisco, CA 941224
(415) 472-0375

RECEIVED
JUL 28 1988
HAZARDOUS WASTE

Miller

July 25, 1988

Mark Smith
RANSOME COMPANY
4030 Hollis Street
Emeryville, CA 94608

Dear Mark:

Enclosed are the results for the underground storage tests performed on July 14, 1988 at Ransome Company in Emeryville. As you already know, the tank tested tight and the results were well within the guidelines set forth by State regulations.

I have sent a copy of these reports on to Liz Rose of the Alameda County Environmental Health Department.

If you have any further questions regarding this matter, please feel free to call me at: (415) 472-0375

Sincerely,

Susan T. Lee

Susan T. Lee
Office Manager

STL/lob

Enclosures

CC: Liz Rose, Alameda County Environmental Health Department

3C

E TESTING AND TECHNOLOGY
1377 9th Avenue
San Francisco, CA 94122
(415) 472-0375

INVOICE # 2321 TEST DATE 7/14/88

COMPANY NAME RANSOME COMPANY

PHONE # (415) 652-3600

MAIL ADDRESS 4030 HOLLIS STREET, EMERYVILLE, CA 94608

TANK ADDRESS SAME

CONTACT NAME MARK SMITH

PHONE #

PROPERTY OWNER

PHONE #

MAILING ADDRESS

TANK INFORMATION

TANK #

ONE

PRODUCT

DIESEL

CAPACITY

4,000

CONSTRUCTION

STEEL

DIAMETER

95"

FILL PIPE

45"

TANK BOTTOM DEPTH

140"

PUMP TYPE

SUCTION

VAPOR RECOVERY

NONE

TANK WATER

1/2"

TEST INFORMATION

TEST EQUIPMENT

HORNER

FULL SYST/TANK ONLY

FULL SYSTEM

DATE/TIME FILLED

7/13/88

GALLONS TO TOP OFF

1,300

GROUND WATER DEPTH

12'+

TANK BTM PRESSURE

4.960

RESULTS

PASS - FAIL

PASS

LOSS RATE

4.0138

COMMENTS

TESTING AND TECHNOLOGY
 TEST REPORT HORNER 'BZY CHEK' LEAK DETECTOR

COMPANY RANSOME COMPANY DATE 7/14/88 INVOICE 2321 TANK # 1

PRODUCT DIESEL CAPACITY 4,000 MEASURED API 33.6 TEMPERATURE 69

ADJUSTED API N/A COEF OF EXPANSION N/A TEMP SHIFT FACTOR 1.811

CALIBRATING ROD .05 DIVIDED BY # LINES 24.8 = CHART CALIB FACTOR .0020

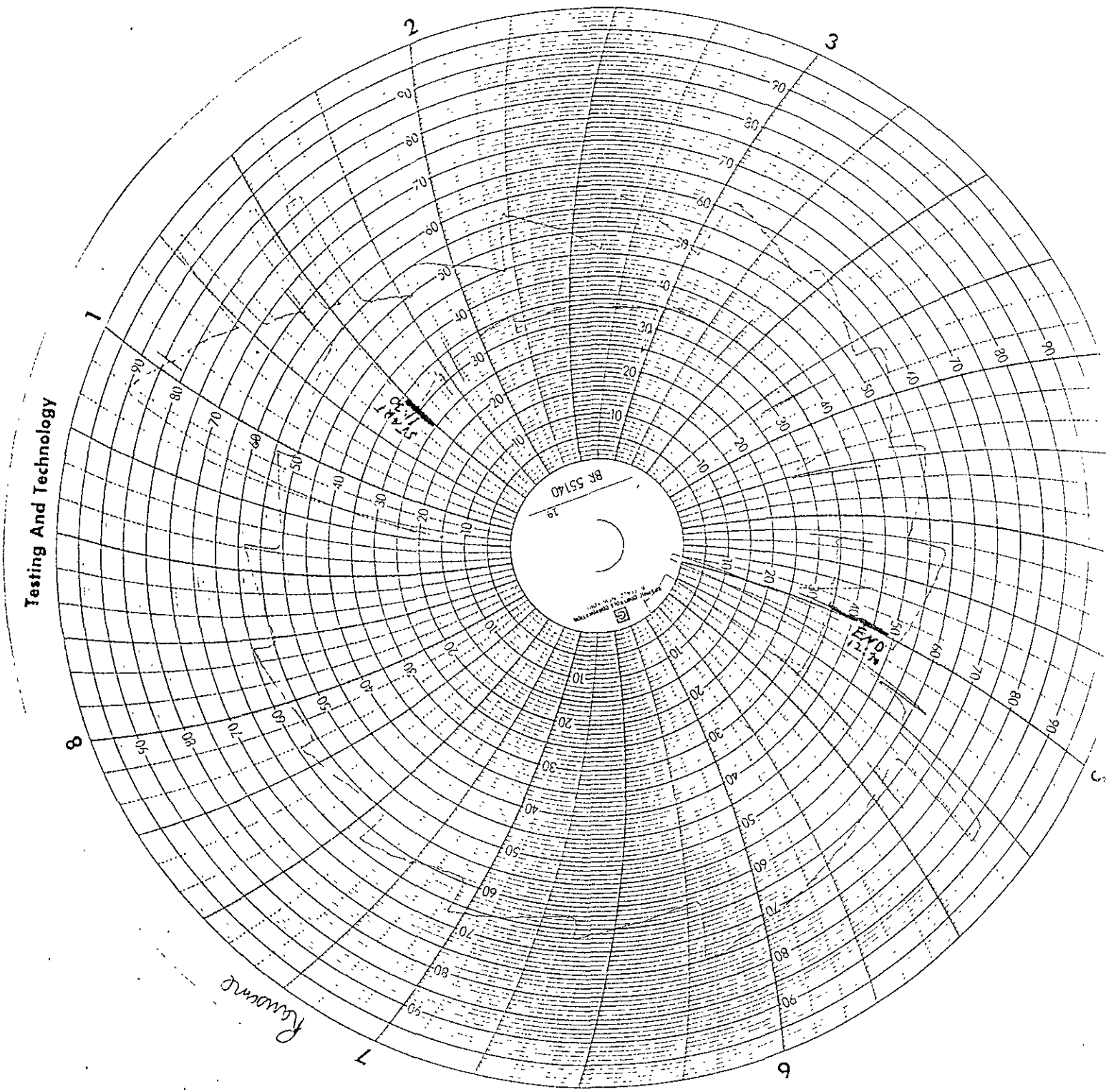
OTHER 10 GALLONS ADDED AT 09:00 TO OVERFILL TANK FOR TEST

TIME	TEST HEIGHT	CHART #'S	GAIN LOSS	CHART FACTR	LEVEL RESLT	TEMP STRT	TEMP END	GAIN LOSS	TEMP FACTR	TEMP RESULT	15 MIN RESULT IN GAL	HOURLY RESULT GAL/H
10:30	+22"	63 70	+7	.0020	+0.0140	.664	.663	-.001	1.811	-.0018	+0.0158	
10:36	+22"	70 75	+5		+0.0100	.663	.663	0		0	+0.0100	
10:42	+22"	62 67	+5		+0.0100	.633	.633	0		0	+0.0100	
10:48	+22"	62 67	+5		+0.0100	.663	.662	-.001		-.0018	+0.0118	
10:54	+22"	59 63	+4		+0.0080	.662	.662	0		0	+0.0080	
11:00	+22"	55 59	+4		+0.0000	.662	.661	-.001		-.0018	+0.0098	
11:06	+22"	56 59	+3		+0.0060	.661	.661	0		0	+0.0060	
11:12	+22"	55 58	+3		+0.0060	.661	.660	-.001		-.0018	+0.0078	
11:18	+22"	50 54	+4		+0.0080	.660	.660	0		0	+0.0080	
11:24	+22"	50 55	+5		+0.0100	.660	.659	-.001		-.0018	+0.0118	
11:30	+22"	31 33	+2		+0.0040	.659	.658	-.001		-.0018	+0.0058	
11:36	+22"	33 35	+2		+0.0040	.658	.659	+0.001		+0.0018	+0.0022	
11:42	+22"	33 34	+1		+0.0020	.659	.658	-.001		-.0018	+0.0038	
11:48	+22"	33 34	+1		+0.0020	.658	.658	0		0	+0.0020	
11:54	+22"	36 35	-1		-.0020	.658	.657	-.001		-.0018	+0.0002	
12:00	+22"	35 35	0		0	.657	.657	0		0	0	
12:06	+22"	35 35	0		0	.657	.656	-.001		-.0018	+0.0018	
12:12	+22"	35 35	0		0	.656	.657	+0.001		+0.0018	-.0018	+0.03
12:18	+22"	35 34	-1		-.0020	.657	.656	-.001		-.0018	-.0002	+0.02
12:24	+22"	34 34	0		0	.656	.656	0		0	0	+0.01

RESULTS CERTIFIED RIGHT YES AT TEST HEIGHT OF +22" LOSS RATE (GPH) +.0138 (+)

TESTED BY Frank Phelan
 FRANK T. PHELAN

Testing And Technology



Reverse

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Full

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, California 94612
(415) 271-4320

May 23, 1988

Ransome Company
4030 Hollis St.
Emeryville, CA 94608
Attn: Mark Smith

SUBJECT: UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/
CONTAMINATION SITE REPORT

Dear Mr. Smith:

On February 19, 1988, our office received a report from Testing and Technology regarding failed underground storage tank tests at your facility.

The California Administrative Code, Title 23, requires all unauthorized releases to be reported. Section 2652(b) requires within five (5) working days of detecting the release, the operator or permittee shall submit to the local agency (Alameda County Hazardous Materials Division) a full written report to include all of the following information which is known at the time of filing the report:

1. List of type and quantity of hazardous substances released.
2. The results of all investigations completed at that time to determine the extent of soil or groundwater or surface water contamination due to the release.
3. Method of clean-up implemented to date, proposed clean-up actions, and approximate cost of actions taken to date.
4. Method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water (indicate whether a hazardous waste manifest(s) is utilized).

2C

Ransome Company
UGT Unauthorized Release (Leak)/
Contamination Site Report
May 23, 1988
Page 2 of 2

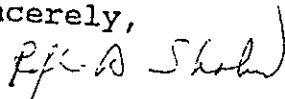
5. Proposed method of repair or replacement of the primary and secondary containers.
6. Facility operator's name and telephone number.

Until clean-up is complete, the operator or permittee shall submit reports to the County and the Regional Water Quality Control Board (RWQCB) every three (3) months or at a more frequent interval if specified by either agency. The reports shall include the information requested in 2, 3 and 4 of the above. The report requested above shall be prepared in accordance with the San Francisco Regional Water Quality Control Board's "Guidelines for Addressing Fuel Leaks," September 1985. The initial investigation report shall be submitted within 30 days and shall include a site safety plan.

Soils contaminated at hazardous waste concentrations shall be transported by a licensed hazardous hauler and disposed of or treated at a California Department of Health Services approved facility. Soils contaminated below hazardous waste concentrations may be managed as non-hazardous but are subject to waste discharge requirements of the Regional Board.

Enclosed is an "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report" forms which should be completed and returned within five (5) working days. Should you have any questions regarding this letter, please contact Lizabeth Rose, Hazardous Materials Specialist at 271-4320.

Sincerely,



Rafat A. Shahid, Chief
Hazardous Materials Division

RAS:mam

cc: RWQCB
Emeryville Fire Dept.

Enclosure



TESTING AND TECHNOLOGY
1027 Alabama St. • P.O. Box 4570 • Suite 104
Vallejo, CA 94590 • (707) 648-5014
San Francisco Office • (415) 753-4464

Handwritten notes and scribbles in the top right corner.

February 12, 1988

Mark Smith
RANSOME COMPANY
4030 Hollis Street
Emeryville, CA 94662

Dear Mark:

Enclosed please find the test reports on your 4 tanks. I am sending copies on to Liz Rose, Alameda County Health Agency.

As you already know, we found a few problems. The Unleaded and Waste Oil tanks tested tight. The test on the Diesel tank indicated a leak somewhere in the piping system, approximately 12" (+/-) below grade, and the test on the Regular tank indicated a leak somewhere near tank top, approximately 24" below grade.

I have also enclosed our invoice for these tests.

If you have any questions, please call me at (415) 472-0375.

Sincerely,

Jack A. Wurts
Field Supervisor

JAW/slp

Enclosures

cc: Liz Rose - Alameda County Health Agency

COPY

10

TESTING AND TECHNOLOGY
 1027 Alabama Street, P. O. Box 4570
 Vallejo, CA 94590
 (707) 648-5014

INVOICE # 2204 TEST DATE 01/29/88

COMPANY NAME RANSOME COMPANY

PHONE # (415) 652-3600

MAIL ADDRESS 4030 HOLLIS STREET, EMERYVILLE, CA

TANK ADDRESS SAME

CONTACT NAME MARK SMITH

PHONE # SAME

PROPERTY OWNER

PHONE #

MAILING ADDRESS

TANK INFORMATION

TANK #	ONE	TWO	THREE	FOUR
PRODUCT	DIESEL	UNLEADED	REGULAR	WASTE OIL
CAPACITY	4,000	1,000	10,000	550
CONSTRUCTION	STEEL	STEEL	STEEL	STEEL
DIAMETER	95"	46"	94"	39"
FILL PIPE	45"	38"	24"	4 1/2"
TANK BOTTOM DEPTH	140"	84"	118"	43 1/2"
PUMP TYPE	SUCTION	SUCTION	SUCTION	NONE
VAPOR RECOVERY	NONE	NONE	PHASE I	NONE
TANK WATER	7/8"	TRACE	3/4"	TRACE

TEST INFORMATION

TEST EQUIPMENT	HORNER	HORNER	HORNER	AINLAY
FULL SYST/TANK ONLY	FULL SYS	FULL SYS	FULL SYS	FULL SYS
DATE/TIME FILLED	01/28	01/28	01/28	01/28
GALLONS TO TOP OFF	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
GROUND WATER DEPTH	12'+	12'+	12'+	12'+

RESULTS

PASS - FAIL	FAIL	PASS	FAIL	PASS
LOSS RATE	-.5856	-.0086	-.3500	+.0234

COMMENTS TANK #1 - TEST INDICATES A LEAK APPROXIMATELY 12" (+/-) BELOW GRADE.
 TANK #3 - TEST INDICATES A LEAK AT TANK TOP.

TESTING AND TECHNOLOGY

TEST REPORT HORNER 'EZY CHEK' LEAK DETECTOR

COMPANY RANSOME COMPANY

DATE 01/29/88 INVOICE 2204 TANK # ONE

PRODUCT DIESEL CAPACITY 4,000 MEASURED API 31 TEMPERATURE 60

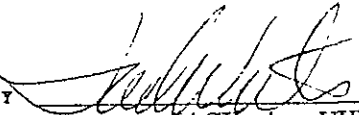
ADJUSTED API 31 COEF OF EXPANSION .00044774 = TEMP SHIFT FACTOR 1.791

CALIBRATION ROD .05 DIVIDED BY # LINES 30.5 = CHART CALIB FACTOR .0016

OTHER 15 GALLONS ADDED AT 13:00 TO OVERFILL TANK FOR TEST

TIME	TEST HEIGHT	CHART #	CHART 'S	GAIN LOSS	CHART FACTR	LEVEL RESLT	TEMP STRT	TEMP END	GAIN LOSS	TEMP FACTR	TEMP RESULT	15 MIN RESULT IN GAL	HOURL RESUL GAL/H
15:00	+20"	X	X		.0016	X	.132	.133	+0.001	1.790	+0.0018	X	
15:15	+20"	X	X			X	.133	.132	-0.001		-0.0018	X	
15:30	+20"	92	0	-92		-.1472	.133	.133	0		0	-.1472	
15:45	+20"	93	02	-91		-.1456	.133	.133	0		0	-.1456	-.585
16:15	+8"	80	77	-3		-.0048	.136	.137	+0.001		+0.0018	-.0066	
16:30	+8"	77	43	-34		-.0544	.137	.136	-0.001		-0.0018	-.0536	
16:45	+8"	78	22	-56		-.0896	.136	.135	-0.001		-0.0018	-.0878	
17:00	+8"	84	26	-58		-.0928	.135	.136	+0.001		+0.0018	-.0946	-.364

RESULTS CERTIFIED TIGHT NO AT TEST HEIGHT OF +20" LOSS RATE (GPH) -.5856 (+/-)

TESTED BY  JACK A. WURTS

COMMENTS TEST INDICATES A LEAK IN THE PIPING AT APPROXIMATELY 12" BELOW GRADE.

THE DATA FOR THIS TEST MEETS NFPA 329 STANDARDS. THE EQUIPMENT USED TO GENERATE THIS DATA IS ABLE TO DETECT A PRODUCT LOSS AT THE RATE OF 0.05 GALLONS PER HOUR. THIS IS NOT TO BE CONSTRUED AS AN ALLOWABLE LEAK RATE, BUT RATHER AS AN ACCURATE TOLERANCE OF THE TESTING EQUIPMENT WHICH ALLOWS FOR THE MANY VARIABLES INVOLVED THAT GUARANTEES ONLY THAT THE DATA FOR THIS REPORT MEETS NFPA CRITERIA ON THE DATA OF THIS TEST, THAT MAKES NO WARRANTY OF TANK AND/OR LINE FITNESS NOR DO WE ASSUME RESPONSIBILITY FOR ANY LEAKAGE WHICH MAY HAVE OCCURRED AS A RESULT OF THIS TEST.

TESTING AND TECHNOLOGY

TEST REPORT HORNER 'EZY CHEK' LEAK DETECTOR

COMPANY RANSOME COMPANY DATE 01/29/88 INVOICE 2204 TANK # TWO

PRODUCT UNLEADED CAPACITY 1,000 MEASURED API 57 TEMPERATURE 54

ADJUSTED API 57.7 COEF OF EXPANSION .00067105 = TEMP SHIFT FACTOR .6710

CALIBRATION ROD .05 DIVIDED BY # LINES 24 = CHART CALIB FACTOR .0021

OTHER 6 GALLONS ADDED AT 09:00 TO OVERFILL TANK FOR TEST

TIME	TEST HEIGHT	CHART #'S	GAIN LOSS	CHART FACTR	LEVEL RESLT	TEMP STRT	TEMP END	GAIN LOSS	TEMP FACTR	TEMP RESULT	15 MIN RESULT IN GAL	HOURLY RESULT GAL/HR
11:00	+23"	26 22	-4	.0021	-.0084	.295	.286	-.009	.6710	-.0060	-.0024	
11:15	+23"	22 19	-3		-.0063	.286	.289	+0.003		+0.0020	-.0083	
11:30	+23"	19 17	-2		-.0042	.289	.293	+0.004		+0.0027	-.0069	
11:45	+23"	87 86	-1		-.0021	.293	.296	+0.003		+0.0020	-.0041	-.0217
12:00	+23"	86 85	-1		-.0021	.296	.288	-.008		-.0054	+0.0033	-.0160
12:15	+23"	85 83	-2		-.0042	.288	.293	+0.005		+0.0034	-.0076	-.0153
12:30	+23"	83 82	-1		-.0021	.293	.297	+0.004		+0.0027	-.0048	-.0132
12:45	+23"	82 80	-2		-.0042	.297	.290	-.007		-.0047	+0.0005	-.0086

RESULTS CERTIFIED TIGHT YES AT TEST HEIGHT OF +23" LOSS RATE (GPH) -.0086 (+/-)

TESTED BY *Jack A. Wurts*
 JACK A. WURTS

COMMENTS

THE DATA FOR THIS TEST MEETS NFPA 329 STANDARDS. THE EQUIPMENT USED TO GENERATE THIS DATA IS ABLE TO DETECT A PRODUCT LOSS AT THE RATE OF 0.05 GALLONS PER HOUR. THIS IS NOT TO BE CONSTRUED AS AN ALLOWABLE LEAK RATE, BUT RATHER AS AN ACCURACY TOLERANCE OF THE TESTING EQUIPMENT WHICH ALLOWS FOR THE MANY VARIABLES INVOLVED. TAT GUARANTEES ONLY THAT THE DATA FOR THIS REPORT MEETS NFPA CRITERIA ON THE DAY OF THIS TEST, TAT MAKES NO WARRANTY OF TANK AND/OR LINE FITNESS NOR DO WE ASSUME RESPONSIBILITY FOR ANY LEAKAGE WHICH MAY HAVE OCCURRED AS A RESULT OF THIS TEST.

TESTING AND TECHNOLOGY

TEST REPORT HORNER 'EZY CHEK' LEAK DETECTOR

COMPANY RANSOME COMPANY DATE 01/29/88 INVOICE 2204 TANK # THREE
 PRODUCT REGULAR CAPACITY 10,000 MEASURED API 55.5 TEMPERATURE 50
 ADJUSTED API 56.2 COEF OF EXPANSION .00066302 = TEMP SHIFT FACTOR 6.630
 CALIBRATION ROD .05 DIVIDED BY # LINES 19.5 = CHART CALIB FACTOR .00256
 CALIBRATION ROD .05 DIVIDED BY # LINES 8.7 = CHART CALIB FACTOR .00575
 OTHER 13 GALLONS ADDED AT 09:00 TO OVERFILL TANK FOR TEST

TIME	TEST HEIGHT	CHART #	GAIN 'S	CHART LOSS	LEVEL FACTR	TEMP STRT	TEMP END	GAIN LOSS	TEMP FACTR	TEMP RESULT	15 MIN RESULT IN GAL	HOURLY RESULT GAL/HR	
12:00	+24"	61	25	-36	.0026	-.0936	.490	.488	-.002	6.630	-.0132	-.0804	
12:15	+24"	95	55	-40		-.1040	.488	.489	+0.001		+0.0066	-.1106	
12:30	+24"	55	15	-40		-.1040	.489	.484	-.005		-.0332	-.0708	
12:45	+24"	40	1	-39		-.1014	.484	.482	-.002		-.0132	-.0882	-.3500
13:15	+10"	95	67	-28		-.0728	.482	.480	-.002		-.0132	-.0596	
13:30	+10"	67	39	-28		-.0728	.480	.477	-.003		-.0199	-.0529	
13:45	+10"	39	12	-27		-.0702	.477	.477	0	0		-.0702	
14:00	+10"	82	56	-26		-.0676	.477	.475	-.003		-.0199	-.0477	-.2304
14:45	-3"	14	5	-9	.0058	-.0522	.472	.470	-.002		-.0132	-.0390	
15:00	-3"	42	34	-8		-.0464	.470	.467	-.003		-.0199	-.0265	
15:15	-3"	34	27	-7		-.0406	.467	.465	-.002		-.0132	-.0274	-.1239

RESULTS CERTIFIED TIGHT NO AT TEST HEIGHT OF +24" LOSS RATE (GPH) -.3500 (+/-)

TESTED BY JACK A. WURTS
 JACK A. WURTS

COMMENTS TEST INDICATES: A) A LEAK SOMEWHERE NEAR TANK TOP
 B) A VAPOR POCKET IN THIS TANK.

THE DATA FOR THIS TEST MEETS NFPA 329 STANDARDS. THE EQUIPMENT USED TO GENERATE THIS DATA IS ABLE TO DETECT A PRODUCT LOSS AT THE RATE OF 0.05 GALLONS PER HOUR. THIS IS NOT TO BE CONSTRUED AS AN ALLOWABLE LEAK RATE, BUT RATHER AS AN ACCURACY TOLERANCE OF THE TESTING EQUIPMENT WHICH ALLOWS FOR THE MANY VARIABLES INVOLVED. TAT GUARANTEES ONLY THAT THE DATA FOR THIS REPORT MEETS NFPA CRITERIA ON THE DAY OF THIS TEST, TAT MAKES NO WARRANTY OF TANK AND/OR LINE FITNESS NOR DO WE ASSUME RESPONSIBILITY FOR ANY LEAKAGE WHICH MAY HAVE OCCURRED AS A RESULT OF THIS TEST.

TESTING AND TECHNOLOGY

TEST REPORT AINLAY TANK 'TEGRITY TESTER

COMPANY RANSOME COMPANY

INVOICE # 2204 DATE 01/29/88

TANK # FOUR PRODUCT WASTE OIL CAPACITY 550 GALLONS

FULL SYSTEM TEST HEIGHT +30" LOW LEVEL TEST HEIGHT

MEASURED API GRAVITY 27.8 TEMP 56 ADJUSTED API 28.1 COE .00043735

TEMP SHIFT FACTOR .2405 OTHER

1) VOLUME CHANGE DUE TO TEMPERATURE VARIATION

	START	15 MIN	30 MIN	45 MIN	END	SHIFT (+/-)	(X)	AVG SHIFT (+/-)
TIME	12:15	12:30	12:45	13:00	13:15			
TOP TEMP	53.36	53.42	53.48	53.53	53.62	+ .26	(.25)	+ .0650
MIDDLE T.	53.45	53.43	53.43	53.42	53.42	- .03	(.50)	- .0150
BOTTOM T.	53.65	53.63	53.59	53.58	53.56	- .09	(.25)	- .0225
WEIGHTED AVERAGE TEMPERATURE SHIFT								+ .0275

CALCULATIONS FOR VOLUME CHANGE DUE TO TEMPERATURE
 TEMP SHIFT FACTOR .2405 (X) WEIGHTED SHIFT +.0275 = +.0066 GAL

2) VOLUME CHANGE DUE TO LEVEL VARIATIONS

EXACT AMOUNT OF LIQUID LOST & REPLACED (-) OR GAINED & REMOVED (+) TO RESTORE ORIGINAL LEVEL = +.0300 GAL

3) NET VOLUME CHANGE

LEVEL CHANGE +.0300 (MINUS) TEMPERATURE CHANGE +.0066 = +.0234 GAL

4) RESULTS

CERTIFIED TIGHT YES AT TEST HEIGHT OF 30" LOSS RATE (GPH) +.0234 (+/-)

TESTED BY Frank T. Phelan
 FRANK T. PHELAN

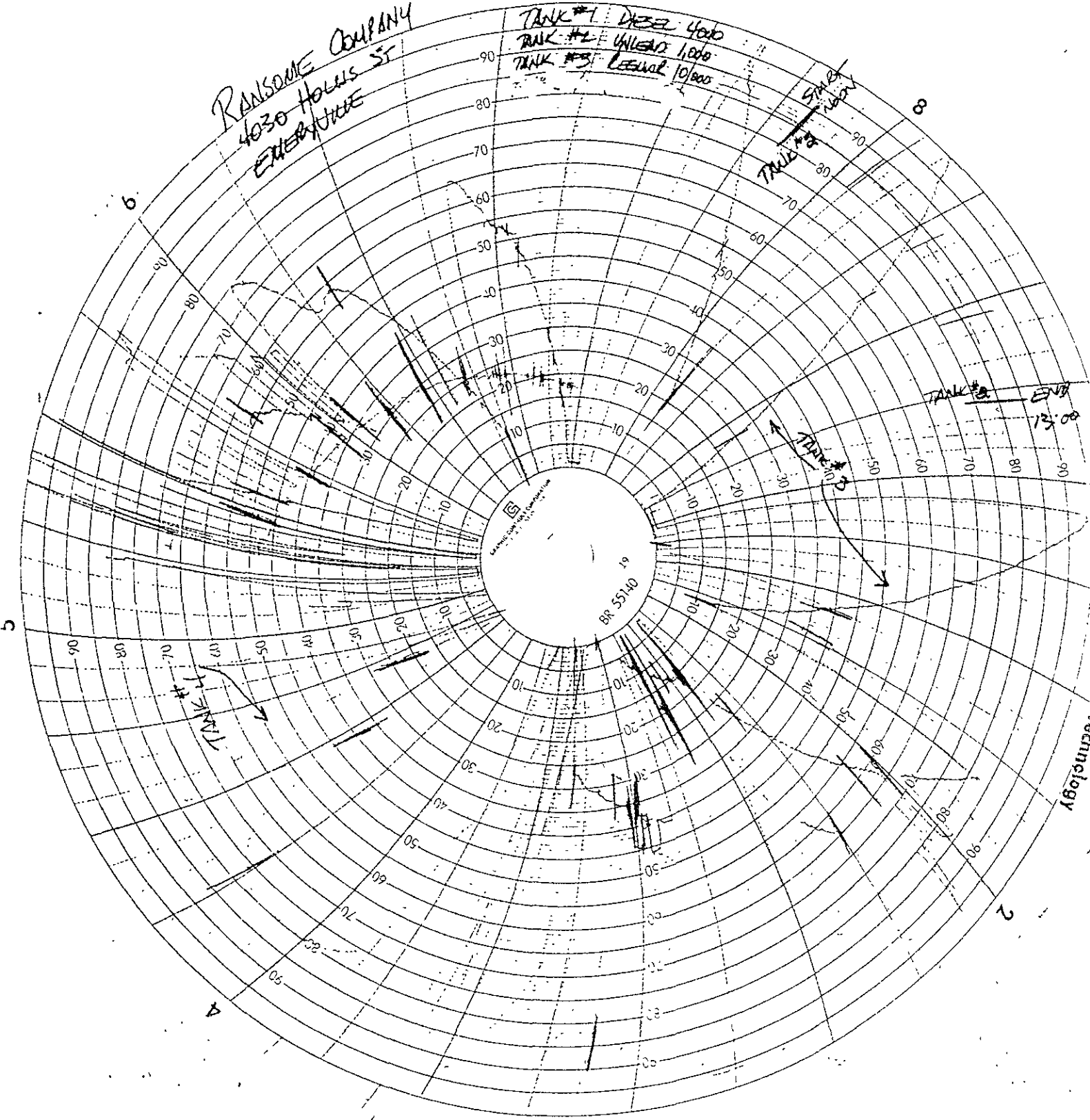
(5) COMMENTS

THE DATA FOR THIS TEST MEETS NFPA 329 STANDARDS. THE EQUIPMENT USED TO GENERATE THIS DATA IS ABLE TO DETECT A PRODUCT LOSS AT THE RATE OF 0.05 GALLONS PER HOUR. THIS IS NOT TO BE CONSTRUED AS AN ALLOWABLE LEAK RATE, BUT RATHER AS AN ACCURACY TOLERANCE OF THE TESTING EQUIPMENT WHICH ALLOWS FOR THE MANY VARIABLES INVOLVED. THAT GUARANTEES ONLY THAT THE DATA FOR THIS REPORT MEETS NFPA CRITERIA ON THE DAY OF THIS TEST. THAT MAKES NO WARRANTY OF TANK AND/OR LINE FITNESS NOR DO WE ASSUME RESPONSIBILITY FOR ANY LEAKAGE WHICH MAY HAVE OCCURRED AS A RESULT OF THIS TEST.

7 Jan 29, 1989

RANSOME COMPANY
4030 HOLLS ST
EMERYVILLE

TANK #1 DIESEL 4000
TANK #2 UNLEAD 1000
TANK #3 LEAD 10000

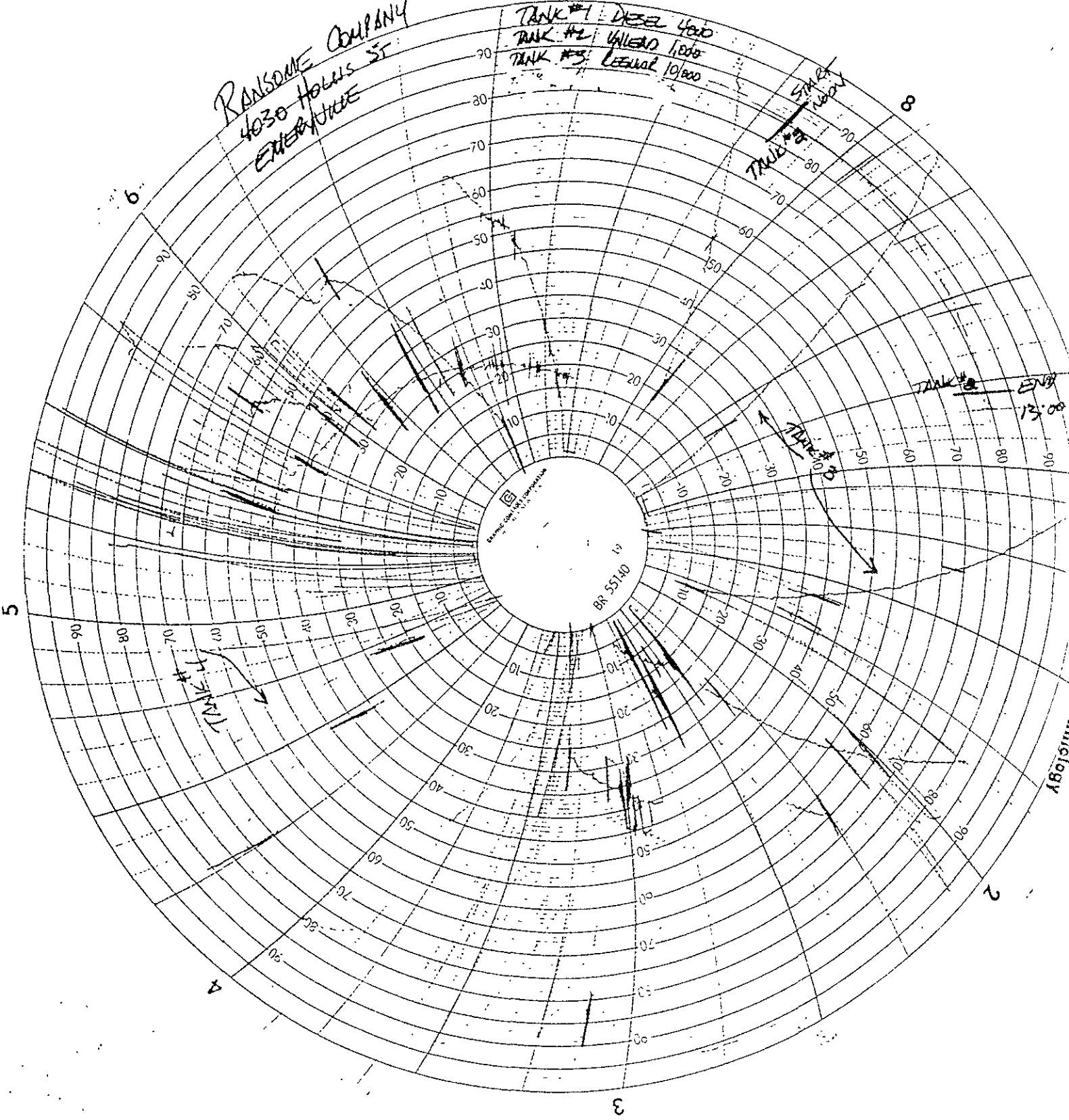


Technology

7 JAN 29, 1989

RANSOME COMPANY
4030 HOLMS ST
EMERYVILLE

TANK #1 DIESEL 4000
TANK #2 UNLTD 1000
TANK #3 UNLTD 10000



Technology

2

3

4

5

6

8

13:00

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
470 -27th Street, Room 322
Oakland, CA 94612
Phone No. 415/874-7237

FACILITY QUESTIONNAIRE

GENERAL INFORMATION

1. Establishment Name: Ransome Co
2. Site Address: 4030 Hollis
City Emeryville Zip 94608
3. Mailing Address (if different): P.O. 8506
City Emeryville Zip 94602
4. Contact Person: S. Kinnear Smith Phone: 652-3600
5. Owner Name: Smith, D.A. Chaney Owner Phone: "
6. Name of Previous Owner: _____
7. Date you assumed business: 40 years.
8. Std. Industrial Classification (SIC) _____ 9. Type of Business: general Contractor
10. Number of Employees: 45 11. EPA ID #: _____

PERMITS Check if you have permits from any of the following:

- Local Agencies
12. [] Local Sewer District (industrial waste discharges)
Name of District _____
13. [] City or Local Fire Dept. (Underground tanks, storage)
Name of City or Dept. _____
Type of Permit _____
14. [] Alameda County Dept. of Health (Underground tanks)
15. [] S.F. Regional Water Quality Control Board
16. [] Bay Area Air Quality Management District
- CALIFORNIA Department of Health Services:
17. [] Treatment, Storage, Disposal Facility
18. [] Hazardous Waste Hauler

County Use Only

1667 Site ID
[] 1 Entry [] 2

OTHER

Please check if the following applies at your facility:

- 19. Acutely hazardous materials are handled (Attachment 1)
- 20. More than 500 lbs, 55 gal, or 200 cu. ft. of hazardous materials are handled (per year?) (See attachment 2)
- 21. Hazardous materials are contained in underground tanks or sumps. *3 UGT's - reports have been submitted.*
- 22. You have submitted a business plan to the Alameda County Department of Hazardous Materials under California Health & Safety Code Chapter 6.95.

23. Which of the following categories of hazardous materials are handled at your facility:

- Toxic
- Corrosive
- Flammable
- Reactive

24. LIST OF CHEMICALS HANDLED

Please list the County Inventory Numbers (CIN) or Chemical Abstract Service (CAS) numbers of any of the hazardous chemicals that you handle. CIN numbers have been assigned to the more commonly used hazardous chemicals. If CAS numbers are used, please precede each number with an asterisk (*).

<u>860</u>	<u>843</u>	<u>355</u>	<u>Diesel</u>	<u>Propane</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

CERTIFICATION

I hereby certify that the information on this form is, to the best of my knowledge, true and complete.

25. *[Signature]* S. KINNEAL SMITH
 Signature Typed or Printed Name

26. *President* 11-3-87
 Title Date

Please return completed form to: Department of Environmental Health
 Hazardous Materials Division
 470 - 27th St., Room 322
 Oakland, CA 94612

WHITE — ENV. HEALTH
 YELLOW — FACILITY
 PINK — FILES

ALABAMA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

County Use Only

[] Daily

Hazardous Material Inspection Form

Site ID# 1667 Site Name Ransome Co Date: 11/2/87
 Site Address 4030 Hollis EPA ID# _____
 City, Zip Emeryville Phone 652-3600

MAX AMT stored >
 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

The marked items represent violations of the Calif. Administrative Code (CAC) or the Health & Safety Code (HS&C)

1a. GENERATOR (Title 22)	
___	1. Waste ID 66471
___	2. EPA ID 66472
___	3. > 90 days 66508
<input checked="" type="checkbox"/>	4. Labels 66493
___	5. Biennial 66492
Manifest	
___	6. Records 66480
___	7. Correct 66484
___	8. Copy sent 66492
___	9. Exception 66484
___	10. Copies Rec'd 66492
Misc.	
___	11. Treatment 66371
<input checked="" type="checkbox"/>	12. On-site Disp. (H.S.&C.) 25189.5
___	13. Ex Haz. Waste 66570
Prevention	
___	14. Communication 67121
___	15. Aisle Space 67124
___	16. Local Authority 67126
___	17. Maintenance 67120
___	18. Training 67105
Contin. Agency	
___	19. Prepared 67140
___	20. Name List 67141
___	21. Copies 67141
___	22. Emg. Coord. Trng. 67144
Containers, Tanks	
___	23. Condition 67241
___	24. Compatibility 67242
___	25. Maintenance 67243
___	26. Inspection 67244
___	27. Buffer Zone 67246
___	28. Tank Inspection 67259
___	29. Containment 67245
___	30. Safe Storage 67261
___	31. Freeboard 67257
1b. TRANSPORTER (Title 22)	
___	32. Application 66428
___	33. Insurance 66428
___	34. Comp. Cert. 66448
___	35. CHP Insp. 66448
___	36. Containers 66465
Manifest	
___	37. Vehicles 66485
___	38. EPA ID #s 66531
___	39. Correct 66541
___	40. HW Delivery 66543
___	41. Records 66544
Cont'rs	
___	42. Name 66545
___	43. Covers 66545
___	44. Recyclables 66800

Comments:

1.) Need to label all containers of hazardous materials and wastes.

2.) Clean up all spilled waste materials from the ground. (ie. by fuel tanks and oil storage area)

3.) Ensure all records for waste removal are kept on site for 3 years.

• Obtain EPA ID # (916) 324-1781.

Contact: _____ Applied Time: _____

Title: _____ Inspector: LIZABETH ROSE

Signature: [Signature] Signature: [Signature]