

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



Re 470

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

November 21, 2007

Mr. John Prall
Port of Oakland
530 Water Street, 4th Floor
Oakland, CA 94607-3524

Mr. Dan McBride
American President Lines
1395 Middle Harbor Road
Oakland, CA 94607

Subject: SLIC Case RO0000470 (Global ID #T0600101969), Port of Oakland Berths 60-63³⁹⁵
Middle Harbor Road, Oakland

Dear Mr. Prall:

The above-referenced site is a Spills, Leaks, Investigations, and Cleanup (SLIC) case due to the presence of soil and groundwater contamination on the property. Alameda County Environmental Health is the agency providing regulatory oversight for this case. In order for ACEH to continue the regulatory review and closure process, we require an additional deposit to an oversight account. Please send a check in the amount of \$6,000.00 payable to Alameda County Environmental Health. Please send your check to the attention of our Finance Department.

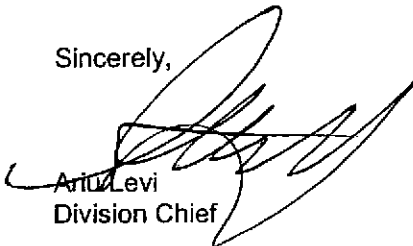
This additional deposit may or may not be sufficient to provide all necessary regulatory oversight. ACEH will deduct actual costs incurred based upon the hourly rate specified below. If these funds are insufficient, additional deposit will be requested. Otherwise, any unused monies will be refunded to you or your designee.

The deposit is authorized in Section 6.92.040L of the Alameda County Ordinance Code. Work on this project is being debited at the Ordinance specified rate, currently \$173.00 per hour.

Please write "SLIC" (the type of project), the site address, and the number AR0316866 on your check.

If you have any questions, please contact Steven Plunkett at (510) 383-1767.

Sincerely,



Ari Levi
Division Chief

cc: D. Drogos, J. Jacobs, S. Plunkett

ENVIRONMENTAL HEALTH
FINANCE
2007 NOV 26 AM 11:35



PORT OF OAKLAND

NO. 0000469103

CHECK DATE: 12/04/2007

VENDOR NO.: 125321-001

INVOICE NO.	INV. DATE	GROSS	DISCOUNT	NET AMOUNT
SLIC	11/21/2007	6,000.00		6,000.00

INV# 62535
 AR # 0316866
 RO# 470

ENVIRONMENTAL HEALTH
 FINANCE
 2007 DEC - 5 PM 4: 18

CHECK TOTAL 6,000.00

ORIGINAL CHECK HAS A COLORED BACKGROUND PRINTED ON CHEMICAL REACTIVE PAPER - SEE BACK FOR DETAILS



PORT OF OAKLAND

530 Water Street, Oakland, CA 94607
 www.portoakland.com
 (510) 627-1100

Bank of America
 Sacramento Government Services
 555 Capitol Mall, Suite 1555
 Sacramento, CA 95814

NO. 0000469103

CHECK DATE 12/04/2007

\$*****6,000.00

PAY Six Thousand And No/100 Dollars

TO THE ORDER OF ENVIRONMENTAL HEALTH SVC ALAMEDA COUNTY
 SUITE 111
 1131 HARBOR BAY PARKWAY
 ALAMEDA, CA 94502

VOID AFTER 60 DAYS
 TWO SIGNATURES REQUIRED IF \$12,000.00 OR MORE

⑈469103⑈ ⑆121000358⑆ 14720⑈01774⑈

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



F

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

August 2, 2007

Mr. John Prall
Port of Oakland
530 Water St.
P.O. Box 2064
Oakland, CA 94604

Dear Mr. Prall:

Subject: SLIC Site Cast No. RO0000470 & Global ID T0600101969, Port of
Oakland/APL, Berths 60-63 Redevelopment Project, 1395 Middle Harbor Rd.,
Oakland, CA 94607

Alameda County Environmental Health (ACEH) has reviewed the file for the subject site including the May 2007 Amendment #1 Revised Soil Management and Contingency Plan APL Terminal Yard and Gate Development Project by Baseline Environmental Consulting. The plan amends the previously approved August 30, 2006 Revised Soil Management and Contingency Plan prepared by ETIC Engineering. Amendment #1 revises the boundaries of the site along the northern boundary, requires soil characterization of soil prior to offsite transport and provides for the oversight of a qualified asbestos abatement contractor to be on-site if asbestos containing soil or debris is encountered during site excavation. Amendment # 1 is approved by our office.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Barney M. Chan".

Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos
Ms. Yane Nordhav, Baseline Environmental Consulting, 5900 Hollis St., Ste. D,
Emeryville, CA 94608
Ms. Roberta Reinstein, Port of Oakland, 530 Water St., P.O. Box 2064, Oakland,
CA 94607-2064
Messrs. Max Shahbazian and Roger Papler, SFRWQCB



PORT OF OAKLAND

5-11-07

Randall Husch
 Project Manager
 O.C. Jones & Sons, Inc.
 1520 Fourth Street
 Berkeley, CA 94710-1774

Re: APL Yard and Gate Redevelopment, Berths 60-63
 Complaint from APL Employee Bill De La Mater

Dear Mr. Husch:

The purpose of this letter is inform O.C. Jones & Sons, Inc. ("OCJ") that the Port of Oakland has received the attached May 1, 2007 letter of complaint from Mr. Bill De La Mater, a security guard employed by APL, regarding alleged construction dust generated by the above-referenced project. Mr. De La Mater sent the letter to the Alameda County Health Care Services Agency who sent a copy to the City of Oakland and the Department of Toxic Substances Control.

In his letter, Mr. De La Mater contends that OCJ failed to employ a water truck during night operations, resulting in the generation of dust which has caused chronic coughing and dizziness. Mr. De La Mater does not identify specific dates or locations when the dust was generated, except to incorrectly indicate that the container yard that is currently under construction is where a former Sherex Chemical Plant was located.

Section 1563 of the Project Manual for the above-referenced project addresses dust and air pollution control and requires OCJ to employ dust control practices. On July 17, 2006, in conformance with Section 1563, OCJ furnished to the Port a Dust and Air Pollution Plan (Submittal No. 8). The Port reminds OCJ that it is required to comply with Section 1563 and the Dust and Air Pollution Plan at all times during the project. Please review the OCJ Dust and Air Pollution Plan and ensure that it is fully implemented for all contract work.

Should you have any questions, please do not hesitate to contact me.

Frank Hong
 Resident Engineer

Cc: T. LaBasco
 C. Chan
 B. Wroblewski
 R. Reinstein
 M. Heffes
 M. Korsunsky
 K. Jung
 K. Lowe
 D. Crater
 J. Prall

Enc.

APL Tuesday, May 1, 2007

My name is Bill De La Mater. I am a security officer in the Port of Oakland, CA. I work for American President Lines. I have been with APL for 19 years. I work the night shift (21:00-05:00) at their Middle Harbor facility in the Port of Oakland

American President Lines Middle Harbor facility is currently in the early stages of a 2 year construction project. My problem is getting APL management to instruct their construction contractor O.C. Jones to use the water truck at night to control the dust. We have made several complaints to my duty Sergeant Mr. Ron Defanti about the dust, but without acknowledgement from APL management. I have not seen any effort on my employer's part to control the dust on the night shift.

During the day the water truck is used, but not at night. The construction continues on a 24 hr basis. The dust from this landfill dirt has a peculiar odor and is very fine. There has been several complaints made to APL management about this dust damaging the paint on employees cars (I can't imagine what it's doing to our lungs) As a result APL & O.C. Jones has offered \$250.00 to employees who have sustained paint damage to there vehicles.

The section of the container yard that is currently under construction is located where a Chemical plant (SHEREX CHEMICALS) used to stand some years ago. It is my understanding that Sherex chemicals went out of business due to non-compliance with hazardous materials regulations. My fear is that this dust we are breathing is from contaminated soil. I have developed a chronic cough from the dust that's stirred-up from the construction equipment. This dust can be easily controlled; but I feel my employer is trying to make a point (at the expense of our health).

This dust causes me to cough so much, that I have had to take a day or two off from work after each exposure (without pay as we have no sick leave) due to the lack of sleep from chronic coughing and dizziness. My Doctor has ordered some x-rays to be taken and he has placed me on one week's disability to see if my condition improves. I am due to return to duty tonight (05/08/07)

Dust masks are ineffective and give little protection and they are difficult to use as I am required to talk to Coast Guard personnel, Customs Officers, Longshoremen, Pilots, Crewmen, Visitors, Mechanics, Police and other Emergency Personnel. One night when the problem was so bad that visibility was reduced to 50' I spoke to an O.C. Jones employee and asked him if something could be done about the dust. The result of this simple request was swift and to the point.

The following day APL printed and distributed handbills to all O.C. Jones construction employees stating that they were not to converse with any APL employees who are members of a union. That night Mr. Dennis Lenart (APL employee) who has been assigned to over-see the construction chewed my ass for talking to the O.C. Jones employee and told me I was to have no further dialogue with any of the construction workers. He continued to tell me, and I'm quoting him word-for-word "***this is as good as it's going to get Bill. If you can't handle the dust, I suggest you quit and seek employment down the road***"

It's obvious that APL is trying to get a thick layer of asphalt over this landfill material as quickly as possible. The following day I emailed my boss Mr. Christian Jones, who is the manager for the Security and Environment department of APL middle harbor terminal.

I asked Mr. Jones if this was APL's solution to the dust problem at night. He replied that he considered it a final solution if I was not satisfied with APL's response.

This has been APL's only response to the dust problem on the night shift. I consider myself to be a valued employee. I have never been late for work in my 19 years with APL nor have I had to take time off from work (that is until recently) I'm 64 and plan to continue working for APL until I'm 67. God willing.

I have acquired some retirement benefits that I hope to enjoy with my family some day. If you have any questions, please feel free to contact me. Thank you for taking the time to read this. I and my family would appreciate anything that you can do about this unhealthy situation.

Regards.

Bill L. De La Mater

1067 Donovan Dr.
San Leandro, CA 94577-1381

Cell (925) 628-6398
Fax (510) 568-7710

nitehog@comcast.net

From: "Chan, Barney, Env. Health" <barney.chan@acgov.org>
To: <jprall@portoakland.com>
Date: 5/8/2007 2:08 PM
Subject: FW: Toxic Dust Complaint Referral
Attachments: Letter to Alameda CO Health Dept..doc

Here it is.
Barney

From: Hugo, Susan, Env. Health
Sent: Tuesday, May 08, 2007 9:57 AM
To: Leroy Griffin; Denise Tsuji (Dtsuji@dtsc.ca.gov)
Cc: Drogos, Donna, Env. Health; Levi, Ariu, Env. Health; Chan, Barney, Env. Health
Subject: FW: Toxic Dust Complaint Referral
Importance: High

Hello Leroy and Denise -

I received this complaint re: construction activities at American President Lines located at Port of Oakland; former Sherex Chemical Comp. maybe a contaminated site?

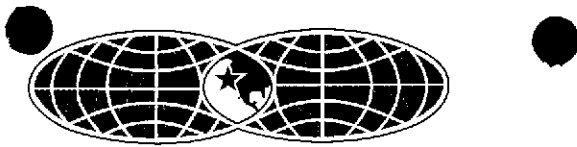
Please follow -up .

Thanks

Susan L. Hugo
Supervising Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Alameda, CA 94502
Phone (510) 567-6780
Fax (510) 337-9335
susan.hugo@acgov.org

From: nitehog@comcast.net [mailto:nitehog@comcast.net]
Sent: Tuesday, May 08, 2007 8:49 AM
To: Hugo, Susan, Env. Health
Subject: Toxic Dust

RC470



PORT OF OAKLAND

GERALD M. (Jerry) SERVENTI
Director of Engineering

November 21, 2006

Tel: (510) 627-1268
Fax: (510) 763-8287
E-mail: jservent@portoakland.com

Mr. Barney Chan
Hazardous Material Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Ms. Barbara Cook
Region 2
Department of Toxic Substances Control
Site Mitigation Program
700 Heinz Avenue, Building F, Second Floor
Berkeley, CA 94710

Mr. Bruce Wolfe
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street
Suite 1400
Oakland, CA 94612

Governor's Office of Emergency Services (OES)
California State Warning Center
3650 Schriever Avenue
Mather, CA 95655

*Alameda County
NOV 28 2006
Environmental Health*

SUBJECT: NOTIFICATION OF A RELEASE AT BERTH 60, PORT OF OAKLAND

Dear Mr. Chan, Ms. Cook, Mr. Wolfe and OES Regulatory Agency Staff:

The Port of Oakland ("Port") submits this notice to report the discovery of petroleum hydrocarbons and other chemical associated with a below ground sump found in a limited area adjacent to a former repair shop, Building E-221, in the vicinity of a former underground waste oil tank EF-9 that was previously removed from the property located at 1395 Middle Harbor Road (the "UST Area") in 1992. The UST Area is part of a larger construction project that is reconstructing the Berths 60-63 container yard which is collectively known as the APL Redevelopment Project.

On November 6, 2006, during demolition of the former Building E-221 in the UST Area, the Port's contractor uncovered an old sump underneath the foundation slab and discovered separate phase oil and oily groundwater. The Port immediately halted further excavation work in the immediate discovery location. Before demolition work can proceed in that area, in accordance with the Soil Management and Contingency Plan

NOTIFICATION OF A RELEASE AT BERTH 60, PORT OF OAKLAND

Page 2

November 21, 2006

("SMP") covering the APL Redevelopment Project which was approved by the Alameda County Health Care Services Agency ("County"), the Port has and will be directing its contractors to remove the separate phase oil and impacted groundwater for subsequent disposal. The Port has also directed that the protocols set forth in the SMP be followed. Appropriate health and safety measures will also be implemented by the contractor.

The Port believes that this sump is associated with the former waste oil tank EF-9 that was previously removed from the APL Redevelopment Project Area. As the County and RWQCB know, the County has been the lead regulatory agency overseeing environmental issues at the APL Terminal, Berths 60-63. The Port will continue to work with the County to address the environmental issues raised by this discovery.

If you have any questions regarding this matter, please do not hesitate to contact me at (510) 627-1268, or Richard Sinkoff, Port Environmental Manager, at (510) 627-1182.

Sincerely,

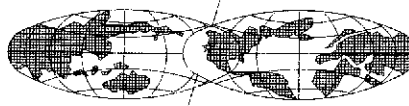


Gerald M. Serventi
Director of Engineering

cc: Director of Terminals, West Coast
Eagle Marine Services Ltd.
1111 Broadway
Oakland, CA 94607

David Olsen
Denis Lenart
APL Limited
1111 Broadway
Oakland, CA 94607

Randall Husch
O.C. Jones, Inc.
1520 Fourth Street
Berkeley, CA 94610



Michele Heffes
(510) 627-1348 Tel
(510) 444-2093 Fax

PORT OF OAKLAND

November 7, 2006

Alameda County
NOV 09 2006
Environmental Health

Barney Chan
Hazardous Materials Specialist
Alameda County Health Care Services Agency,
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**Re: Evaluation of ESL Exceedances
Berths 60-63 Redevelopment Project
Port of Oakland, California**

Dear Mr. Chan:

The Port of Oakland ("Port") hereby retracts the Evaluation of ESL Exceedances Memorandum prepared by ETIC Engineering ("ETIC") dated April 4, 2006 ("ESL Memo") which Roberta Reinstein, Port Manager of Environmental Programs and Safety Department forwarded to you by letter dated April 11, 2006. The reason the Port is retracting the ESL Memo is due to information that ETIC recently brought to the Port's attention which suggests, although we have not yet been able to confirm or refute it, that one of the people who had input into the ESL Memo may not have had the technical background and/or educational and professional credentials which he represented to the Port he had, and that the Professional Engineer's stamp used on page 10 of the ESL Memo may not have been the stamp of any of the stated authors of the ESL Memo.

The Port has commenced an investigation regarding these allegations which is ongoing. Out of an abundance of caution, however, even before the investigation is concluded, we have commissioned a complete review of the ESL Memo and its conclusions. The Port will forward to you a revised ESL Memo as soon as the review has been completed. In the course of the review of the ESL Memo and its proposed revision, the Port and its technical advisors will address the following additional technical issues:

1. At your direction, the revised ESL Memo will evaluate the extent of exceedances of the 95% UCL for background metals concentrations.
2. As a result of an e-mail from Roger Papler of the Regional Water Quality Control Board regarding the Berth 59 area, the revised ESL Memo will address the appropriate screening for estuarine versus marine environments.
3. The revised ESL Memo will also use a different screening table from the table used in the April 4, 2006 ESL Memo with respect to estimated impacts of groundwater exceedances on the nearby Oakland Inner Harbor (i.e., the initial ESL Memo uses Table F-2b, Surface Water, and the revised ESL

530 Water Street v Jack London Square v P.O. Box 2064 v Oakland, California 94604-2064
Telephone (510) 627-1100 v FAX (510) 627-1172 v 627-1826 v Web Page: www.portoakland.com

Barney Chan

Evaluation of ESL Exceedances Berths 60-63 Redevelopment Project Port of Oakland, California

November 7, 2006

Page 2

Memo will use Table F-1b of the Regional Water Quality Control Board, San Francisco Bay Region Surface Water Screening Levels for Estuary Habitats (Interim Final dated February 2005).

I will be out of the country until November 22, 2006. If you have any legal questions regarding this matter, please contact Port outside counsel Deborah Ballati at Farella Braun + Martel at (415) 954-4400. If you have any technical questions regarding this matter, please contact Port Project Manager, John Prall at (510) 627-1373 or at jprall@portoakland.com.

Very Truly Yours

DAVID L. ALEXANDER
Port Attorney

By:


for MICHELE HEFFES
Deputy Port Attorney

cc: Roberta Reinstein
Jeff Jones
John Prall
Roger Papler
Deborah S. Ballati



PORT OF OAKLAND

September 21, 2006

GERALD M. (Jerry) SERVENTI
Director of Engineering

Tel: (510) 627-1268
Fax: (510) 763-8287
E-mail: jservent@portoakland.com

Alameda County
SEP 28 2006
Environmental Health

Mr. Barney Chan
Hazardous Material Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Ms. Barbara Cook
Region 2
Department of Toxic Substances Control
Site Mitigation Program
700 Heinz Avenue, Building F, Second Floor
Berkeley, CA 94710

San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

United States Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, CA 94105

Governor's Office of Emergency Services (OES)
California State Warning Center
3650 Schriever Avenue
Mather, CA 95655

National Response Center
c/o United States Coast Guard (G-OPF)
Room 2611
2100 2nd Street, SW
Washington, DC 20593-0001

SUBJECT : Notification of a Release

Dear Mr. Chan, Ms. Cook, and Other Regulatory Agency Staff:

The Port of Oakland ("Port") submits this notice to report the discovery of possible asbestos-containing debris in the soil at Port property in a limited area of Berth 60 located at 1395 Middle Harbor Road (the "Wedge Area"); the Wedge Area is part of a larger construction project that is reconstructing the Berths 60-63 container yard, which is collectively known as the APL Redevelopment Project. The possible

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asbestos-containing debris was unearthed by the Port's construction contractor subsequent to pavement demolition in the Wedge Area. It should be noted that, as of this date, the Port has not tested the suspect material to confirm that it contains asbestos, but the material will be tested.

On August 28, 2006, during a routine "walk-through" of the APL Terminal as part of the Port's construction best management practices monitoring program, Port staff noticed that the suspect material had been uncovered in a limited portion of the Wedge Area in the southwest corner of the project. The Port immediately secured the Wedge Area and directed its on-call contractors, Dillard Environmental Services ("Dillard") and Sterling Environmental Services ("Sterling"), a Cal/OSHA registered abatement contractor, to undertake appropriate health and safety and abatement measures.

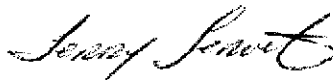
Dillard, on behalf of the Port, covered the Wedge Area with a layer of filter fabric and, under the Port's direction, the Port's general contractor installed a cap of aggregate base/asphalt concrete grinding layer intended to prevent the emission of any dust or potential asbestos fibers. Subsequently, Sterling transported, and disposed of off-site, all visible suspected asbestos debris which was not covered in the Wedge Area.

Subsequent to the Port's August 28, 2006, discovery of the suspect material, the Port has had several notification meetings with the current tenant of the APL Terminal, the Port's general contractor for the APL Redevelopment Project, and the electrical subcontractors who have done some work in the area. Representatives of these parties are copied on this letter.

The Port believes that there is no risk to human health or safety presented by the covered material. As the County and RWQCB know, the County has been the lead regulatory agency overseeing environmental issues at the APL Terminal. In fact, pursuant to County requirements, the Port has prepared a Soil Management and Contingency Plan ("SMCP") covering the APL Redevelopment Project. The Port intends to continue to follow the SMCP that was developed for the APL Redevelopment Project. Any future excavation in the area of the suspected asbestos debris material will be conducted, to the extent applicable, in accordance with Cal/OSHA Title 8 CCR 1529 and US EPA 40 CFR Part 61(NESHAPS), and will be conducted under the performance criteria outlined therein.

If you have any questions regarding this matter, please do not hesitate to contact me at (510) 627-1268, or Richard Sinkoff, Acting Environmental Manager, at (510) 627-1182.

Very truly yours,



Gerald M. Serventi
Director of Engineering

cc: Director of Terminals, West Coast
Eagle Marine Services, Ltd.
1111 Broadway
Oakland, CA 94607

David K. Olsen
Denis Lenart
APL Limited
1111 Broadway
Oakland, CA 94607

Randall Husch, Project Manager
O.C. Jones, Inc.
1520 Fourth Street
Berkeley, CA 94610

Edward Newingham, Project Manager
St. Francis Electric
601 Aladdin Avenue
San Leandro, CA 94577

William F. Anderson
WF Anderson Electric, Inc.
1850 Williams Street
San Leandro, CA 94577

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

September 19, 2006

Mr. John Prall
Port of Oakland
530 Water St.
P.O. Box 2064
Oakland, CA 94604

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Dear Mr. Prall:

Subject: [REDACTED] Berths 60-63 Redevelopment Project, 1395 Middle Harbor Rd.,
Oakland, CA 94607

Alameda County Environmental Health (ACEH) has reviewed the file for the subject site including the August 30, 2006 Revised Soil Management and Contingency Plan APL Terminal Redevelopment Project Port of Oakland, Oakland, California by ETIC Engineering. The plan provides the approach and guidance for handling impacted soil and water, which may be encountered during the reconstruction of the APL Terminal (Berths 60-63). The revised SMCP responds to technical comments in the County's 6/30/06 letter. We concur with the revised SMCP and have the following technical comments to observe when performing the development work.

TECHNICAL COMMENTS

1. Screening for Contaminants of Concern- PAHs and metals are among the COCs. PAHs at this site are found within the samples having elevated TPH, therefore, the screening methods for TPH, visual, odor and PID readings, will be appropriate to identify potential PAH impacted soils. Metals, except for an isolated area near boring B-20, are below soil reuse levels. Therefore, the B-20 area will be excavated and re-sampled and the rest of the site need not be screened for metals.
2. Sampling of any non-impacted soil not reused onsite will be done at a frequency stated in 6.4.3 of the Revised SMCP, which is consistent with the SFRWQCB draft document, November 2002, Characterization & Reuse of Petroleum Hydrocarbon Impacted Soil as Inert Waste. The COCs analyzed should be determined based on historic data and site usage.
3. The proposed soil cleanup levels are based upon the following hierarchy: 1. SFRWQCB ESLs for commercial/industrial sites or for soil leaching to groundwater where groundwater is not considered potable, 2. US EPA Region 9 PRGs for commercial/industrial properties and 3. The 95% upper confidence limit of the background concentration range for metals in soil (LBNL, 1995). These concentrations are provided in the revised Table 1 in the August 30th document.
4. The removal of free product and highly impacted soil should be done to the extent possible, since this represents a potential on-going source of contamination to soil and groundwater. We understand that contamination will not be delineated at this

time, however, discretionary in-situ soil samples will be collected to document contaminants left in-place and identify the COPC present.

5. Either groundwater or runoff water will be generated during the development. Surface water that is not contaminated will be discharged to the storm drain in accordance SWRCB permit requirements. All other disposed water must have proper disposal documentation. The presence of potential organic compounds in water must be done by sampling and chemical analysis, not estimated from monitoring well data or soil data.
6. Two areas formerly under the SFRWQCB oversight have been temporarily transferred to Alameda County for oversight. The Port shall continue to observe Water Board recommendations for investigation (Berths 57-59, Former Union Pacific Motor Freight Area) and the previously existing site management plan (UP Roundhouse site). As noted, soil reuse in these areas is restricted to returning such soil to its same property boundaries.

TECHNICAL REPORT REQUEST

- Please provide your Post-Construction report within 90 days of completion of site activities.

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at barney.chan@acgov.org.

PERJURY STATEMENT

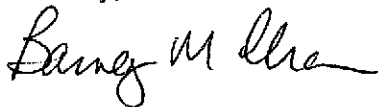
All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos, A. Levi

Ms. Roberta Reinstein, Port of Oakland, 530 Water St., P.O. Box 2064, Oakland,
CA 94607-2064

Messrs. Max Shahbazian and Roger Papler, SFRWQCB

Mr. Alan Anselmo, ETIC Engineering, 1333 Broadway, Ste. 1015, Oakland, 94612

9_19_06 1395 Middle Harbor Rd SMCP

Chan, Barney, Env. Health

From: John Prall [jprall@portoakland.com]
Sent: Wednesday, August 09, 2006 2:27 PM
To: Chan, Barney, Env. Health
Cc: Alan Anselmo
Subject: Meeting

Barney-

The Port and ETIC respectively request a meeting with the County to discuss the APL Project Soil Management and Contingency Plan. We are available on Monday (8/14), Tuesday (8/15) or Wednesday (8/16) of next week. I anticipate the participants for the Port will be myself and Alan Anselmo.

John

10 am on 8/30
130-230
mtg. w/ Jerry R
Sk

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 6, 2006

Mr. John Prall
Port of Oakland
530 Water St.
Oakland, CA 94604-2064

Dear Mr. Prall:

Subject: SLIC Case RO0000470, Port of Oakland/APL, 1395 Middle Harbor Road,
Oakland, CA 94607

Please be informed that the subject site has been taken out of the Local Oversight Program (LOP) and put into our SLIC program.

In order for ACEH to continue to review reports for your site, we will require an oversight account for the above-referenced site. To set up your account, please send a check in the amount of \$6000.00 payable to Alameda County Environmental Health. Please send your check to the attention of our Finance Department.

This initial deposit may or may not be sufficient to provide all necessary regulatory oversight. ACEH will deduct actual costs incurred based upon the hourly rate specified below. If these funds are insufficient, additional deposit will be requested. Otherwise, any unused monies will be refunded to you or your designee.

The deposit is authorized in Section 6.92.040L of the Alameda County Ordinance Code. Work on this project is being debited at the Ordinance specified rate, currently \$166.00 per hour.

Please write "SLIC" (the type of project), the site address on your check.

If you have any questions, please contact me at (510) 567-6862.

Sincerely,


Ariu Levi
Division Chief

cc: D. Drogos, J. Jacobs, B. Chan



PORT OF OAKLAND

530 Water Street Oakland, CA 94607
www.portofoakland.com
(510) 627-1100

Bank of America
Sacramento Government Services
555 Capital Mall, Suite 265
Sacramento, CA 95814

11-35
12-10

NO. 0000451791

CHECK DATE 07/27/2006

\$*****6,000.00

PAY Six Thousand And No/100 Dollars

TO THE ORDER OF ALAMEDA COUNTY DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION
SUITE 250
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502

Jerry A. Bridges

VOID AFTER 60 DAYS
TWO SIGNATURES REQUIRED IF \$15,000.00 OR MORE

⑈451791⑈ ⑆121000358⑆ 14720⑈01774⑈



PORT OF OAKLAND

NO. 0000451791

CHECK DATE: 07/27/2006

VENDOR NO.: 11510

INVOICE NO.	INV. DATE	GROSS	DISCOUNT	NET AMOUNT
SLICR0000470 PORT OF OAK/APL 1395 MIDDLE HARBOR ROAD	07/06/2006	6,000.00		6,000.00

Alameda County
AUG 14 2006
Environmental Health

Ro 0000470

CHECK TOTAL: 6,000.00

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director

July 5, 2006



7

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Mr. John Prall
Port of Oakland
530 Water St.
P.O. Box 2064
Oakland, CA 94604

Dear Mr. Prall:

Subject: ~~200200152~~ Berths 60-63 Redevelopment Project, 1395 Middle Harbor Rd.,
Oakland, CA 94607

Alameda County Environmental Health (ACEH) has reviewed the file for the subject site including the May 17, 2006 Soil Management and Contingency (SMC) Plan APL Terminal Redevelopment Project Port of Oakland, Oakland, California by ETIC Engineering. The plan provides the approach and guidance for handling impacted soil and water, which may be encountered during the reconstruction of the APL Terminal (Berths 60-63). It is understood that this plan is not a remediation plan rather a management plan to handle expected impacted soil and groundwater. As such, residual contamination is expected to be left in place and will be dealt with after the completion of the project. We have the following technical comments.

TECHNICAL COMMENTS

1. Under the Previous Investigations section of the SMC plan seven areas of potential environmental concern are noted along with the suspected contaminants in these areas. It is noted that PAHs and metals are among the COCs. Please describe how these contaminants will be screened in the field since they are not detected visually, by odor or by a PID instrument. If these COCs are not proposed for analysis, please provide justification.
2. Sampling of any non-impacted reused soils must be done at a frequency consistent with the SFRWQCB draft document, November 2002, Characterization & Reuse of Petroleum Hydrocarbon Impacted Soil as Inert Waste. The chemicals of concern, COCs, analyzed may be determined based on historic data and site usage. The proposed sampling frequency, which is in accordance with DTSC October 2001 Information Advisory, Clean Imported Fill Material, is not appropriate since using fill material from sites undergoing environmental cleanup like this, is not recommended. The sampling frequency recommended in the SFRWQCB document is the most appropriate.
3. The proposed soil cleanup levels based upon the SFRWQCB ESLs for commercial/industrial sites or for soil leaching to groundwater where groundwater is not considered potable, US EPA Region 9 PRGs and the upper end of the background concentration range for metals in soil (LBNL, 1995) are potential cleanup sources, however, there appears to be a lack of consistency for the basis of selecting those listed in Table 1. Some of the proposed reuse levels are based upon the soil leaching to groundwater ESL, some based upon background and some based upon

Mr. John Prall

July 5, 2006

Page 2 of 3

C/I Direct Exposure ESL. Please provide your justification for the specific selection of cleanup levels for all chemicals listed in Table 1. This should take into account all complete exposure pathways and selection of the lowest cleanup level. If this is not the case, please explain your discrepancy. Please provide a copy of the reference for the background metal concentrations in Table 1.

4. Unimpacted materials are proposed to be removed, stockpiled in unlined areas and/or reused onsite. Prior to reuse, the soil must be sampled and analyzed to verify it meets the proposed reuse criteria and sampling frequency should be in accordance with the referenced SFRWQCB document. Field observation alone does not appear sufficient.
5. Either groundwater or runoff water will be generated during the development. Water that is not contaminated must meet NPDES standards and must be discharged under permit or variance from the Water Board. All other disposed water must have proper disposal receipts.
6. The removal of free product and highly impacted soil should be done to the extent possible, since this represents a potential on-going source of contamination to soil and groundwater. We concur that an in-situ sample should be taken after excavation to verify the residual contaminant concentration.
7. Two areas formerly under the SFRWQCB oversight have been temporarily transferred to Alameda County for oversight. We request that you continue to observe Water Board recommendations for investigation (Berths 57-59, Former Union Pacific Motor Freight Area) and any previously existing site management plan (UP Roundhouse site).

TECHNICAL REPORT REQUEST

- Please provide your written response to the technical comments by August 5, 2006.

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have

Mr. John Prall

July 5, 2006

Page 3 of 3

been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at barney.chan@acgov.org.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos, A. Levi

Ms. Roberta Reinstein, Port of Oakland, 530 Water St., P.O. Box 2064, Oakland,
CA 94607-2064

Messrs. Max Shahbazian and Roger Papler, SFRWQCB

Mr. Alan Anselmo, ETIC Engineering, 1333 Broadway, Ste. 1015, Oakland, 94612

6_30_06 1395 Middle Harbor Rd

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director

June 29, 2006



7

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Mr. John Prall
Port of Oakland
530 Water St.
P.O. Box 2064
Oakland, CA 94604

Dear Mr. Prall:

Subject: [REDACTED], Berths 60-63 Redevelopment Project, 1395 Middle Harbor Rd.,
Oakland, CA 94607

Alameda County Environmental Health (ACEH) has reviewed the file for the subject site including the March 1, 2006 Well Destruction Work Plan by ETIC Engineering. As you are aware, the decommissioning of these wells is required to facilitate the redevelopment of the site. Since the development overlaps two Water Board sites as well as one overseen by the County, you have received written concurrence for Alameda County's temporary oversight of these overlapping areas. The wells proposed for decommissioning are wells MW6, MW7, MW8 and extraction well EW-5 at Berth 59, wells APL/UP-W1 and APL/UP-W2 at Berth 60, wells DSMW1-DSMW3, installed as a result of a diesel spill from a railroad car derailment and wells MW-1 through MW-3, located near former underground tanks EF6-9. It appears unclear whether all wells currently exist, however, part of your proposal should include the confirmation of any previously closed well from those listed above. The County approves the decommissioning of these wells. However, we require that you satisfy the Water Board recommendations for Berth 57-59 ie additional temporary well or boring between former boring B60 and AL/UP-W2 for groundwater sampling and confirmation of the inertness of the landfill backfill. In addition, post development groundwater sampling in the areas of these well must be considered.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos, A. Levi

Ms. Roberta Reinstein, Port of Oakland, 530 Water St., P.O. Box 2064, Oakland,
CA 94607-2064

Messrs. Max Shahbazian and Roger Papler, SFRWQCB

Mr. Alan Anselmo, ETIC Engineering, 1333 Broadway, Ste. 1015, Oakland, 94612

6_29_06 1395 Middle Harbor Rd

Chan, Barney, Env. Health

From: Roger Papler [RPapler@waterboards.ca.gov]
Sent: Thursday, June 08, 2006 5:33 PM
To: jprall@portoakland.com
Cc: Chan, Barney, Env. Health; dcrater@portoakland.com; John Wolfenden; Max Shahbazian
Subject: Re: UPMF

Date: June 8, 2006
File No.: 01S0590 (RWP)

Port of Oakland
Attn: Mr. John Prall
530 Water Street
Jack London Square
Oakland, CA 94604-2064

Subject: Berths 57-59 Groundwater Monitoring Program, Port of Oakland Former Union Pacific Motor Freight (UPMF) Area - Addendum to Transfer of Regulatory Oversight from RWQCB to ACEH, Alameda County

Dear Mr. Prall:

Thank you for your email and your cooperation regarding the additional inquiry on the UPMF area. Since I have been out of the office last Friday and this Monday, I had no earlier opportunity to followup on our last email conversation.

This addendum follows up on the resolution of questions arising from the 24 May 2006 email from Dawn Crater discussing a municipal landfill "currently being overseen by RWQCB". In response to those questions, there was some discrepancy regarding whether the landfill was located within the UPMF. Having looked over the monitoring well and other borehole logs, permeable sediments appear to predominate throughout UPMF. The following discussion presumes that the landfill consists of inert construction waste with no hazardous constituents other than the analyzed petroleum hydrocarbon constituents of concern.

The permeable sediments pose some additional concern regarding potential fugitive contaminants that I didn't have before. However, the tendency of petroleum hydrocarbon contaminants to dissolve and create "haloed" margins alleviates most of that concern. Even so, potential aquatic impacts to the Oakland Inner Harbor with such highly permeable sediments re-emphasizes following through on the recommended additional temporary well borehole or "hydropunch" borehole between former B60 and ALUP-W2. Because the permeability of the UPMF shallow water bearing zone provides a potential pathway to the Oakland Inner Harbor from other possibly uncharacterized sources, Water Board staff also encourages Alameda County Environmental Health (ACEH) to verify documentation of the inert nature of the landfill and require appropriate groundwater analytical if no such documentation can be presented. With these provisions, I finalize the authorization of transfer of UPMF to ACEH .

If you, Dawn Crater, or Barney Chan (ACEH) have any questions, please contact me.

Roger W. Papler, P.G.
San Francisco Regional Water Quality Control Board
1515 Clay Street, Suite 1500
Oakland, CA 94612

>>> "John Prall" <jprall@portoakland.com> 6/6/2006 2:15 PM >>>
Roger-

You have been very quiet. Do you now have all the information you need for transferring oversight of the UPMF area from the Regional Board to Alameda County?

John Prall
627-1373

Date: May 24, 2006
File No.:01S0590 (RWP)

Port of Oakland
Attn: Ms. Dawn Crater
530 Water Street
Jack London Square
Oakland, CA 94604-2064

Subject: Berths 57-59 Groundwater Monitoring Program, Port of
Oakland Former Union Pacific Motor Freight (UPMF) Area - Transfer of Regulatory Oversight
from RWQCB to ACEH, Alameda County

Dear Ms. Crater:

This email responds to your April 28, 2006, letter titled Berths 57-59 Groundwater Monitoring Program, Port of Oakland Former Union Pacific Motor Freight (UPMF) Area - Transfer of Regulatory Oversight from RWQCB to ACEH. In your letter you requested transfer of the regulatory oversight of a 4.6-acre portion of the Berth 60-63 construction project from the Water Board to the Alameda County Health Care Services Agency (Alameda County). As discussed below, I approve your request subject to further measures.

The proposed APL redevelopment extends over an area of 80 acres, of which 4.6 acres overlap with the northeast corner of the Berths 57-59 site. In your letter, you have indicated that the goal of your request is to simplify the regulatory coordination and compliance during the Berth 60-63 construction project. The remainder of the Berths 57-59 site will remain under the Water Board oversight during the construction period. After completing the construction project, the Port will reevaluate the oversight of the UPMF area with the regulatory agencies of jurisdiction. Your proposal involves decommissioning the UPMF wells upon receipt of the approval for transfer.

During our phone conference today with you, John Prall (Port of Oakland), Mehrdad Javaherian (ETIC), and Kathryn Purcell and Emily Hoe (SAIC), we discussed Water Board concerns associated with the UPMF transfer process. These concerns include potential vapor intrusion from the free product area and aquatic impacts to the shoreline area.

Potential Vapor Intrusion

There is no soil gas analytical in the free product area and no deed restriction on building construction near the free product area. However, your consultant (ETIC) has indicated that the Bunker C free product is 70 to 80 years old and that this is a low-volatile petroleum hydrocarbon compound with very low vapor intrusion potential. ETIC also indicated that there will be no buildings constructed in the free product area and 18 inches of asphalt pavement will be emplaced over the UPMF area. Based on the information provided by your consultant, there does not appear to be a significant potential for vapor intrusion.

Potential Aquatic Impacts

There is a 150-foot wide gap between shoreline sentry wells MW-8 and ALUP-W2 that appear to be cross/downgradient from well EW-5. EW-5 groundwater analytical indicates that gasoline and benzene levels are more than an order of magnitude above the Water Board's February 2005
ESLs for estuarine waters. In year 2004, however, you advanced borehole B-60 between the two sentry wells closer to well MW-8 than ALUP-W2. Groundwater analytical from borehole B-60 indicates that no constituents of concern (COCs) were detected over the method detection limits. Based on this analytical and other information provided by you, the plume appears to be stable or shrinking and no significant aquatic impacts appear imminent. However, we do recommend advancing another temporary well borehole half-way between former borehole B-60 and well ALUP-W2 mid-way through the three-year development process and analyzing for the same COCs. Also note for future discussions that the Water Board considers the Oakland Inner Harbor to be estuarine and that marine ESLs are not applicable in this location.

The Water Board hereby authorizes transfer of regulatory oversight responsibilities for the 4.6- acre overlap portion of the Berths 57-59 site to the Alameda County. If you have any questions, please contact me at (510) 622-2435 or e-mail [rpapler@waterboards.ca.gov].

Sincerely,

Roger W. Papler, P.G.
California Regional Water
Quality Control Board
San Francisco Bay Region

cc:
Max Shahbazian, RWQCB
John Wolfenden, RWQCB
Barney Chan, Alameda County Health Care Services John Prall, Port of Oakland Michele Heffes, Port of Oakland Michael Grant, Union Pacific Railroad

Chan, Barney, Env. Health

From: Roger Papler [RPapler@waterboards.ca.gov]
Sent: Wednesday, May 24, 2006 1:01 PM
To: dcrater@portoakland.com
Cc: Chan, Barney, Env. Health; jprall@portoakland.com; mheffes@portoakland.com; mjgrant@up.com; John Wolfenden; Max Shahbazian
Subject: Transfer of Regulatory Oversight - UPMF

Date: May 24, 2006
File No.: 01S0590 (RWP)

Port of Oakland
Attn: Ms. Dawn Crater
530 Water Street
Jack London Square
Oakland, CA 94604-2064

Subject: Berths 57-59 Groundwater Monitoring Program, Port of Oakland Former Union Pacific Motor Freight (UPMF) Area - Transfer of Regulatory Oversight from RWQCB to ACEH, Alameda County

Dear Ms. Crater:

This email responds to your April 28, 2006, letter titled Berths 57-59 Groundwater Monitoring Program, Port of Oakland Former Union Pacific Motor Freight (UPMF) Area - Transfer of Regulatory Oversight from RWQCB to ACEH. In your letter you requested transfer of the regulatory oversight of a 4.6-acre portion of the Berth 60-63 construction project from the Water Board to the Alameda County Health Care Services Agency (Alameda County). As discussed below, I approve your request subject to further measures.

The proposed APL redevelopment extends over an area of 80 acres, of which 4.6 acres overlap with the northeast corner of the Berths 57-59 site. In your letter, you have indicated that the goal of your request is to simplify the regulatory coordination and compliance during the Berth 60-63 construction project. The remainder of the Berths 57-59 site will remain under the Water Board oversight during the construction period. After completing the construction project, the Port will reevaluate the oversight of the UPMF area with the regulatory agencies of jurisdiction. Your proposal involves decommissioning the UPMF wells upon receipt of the approval for transfer.

During our phone conference today with you, John Prall (Port of Oakland), Mehrdad Javaherian (ETIC), and Kathryn Purcell and Emily Hoe (SAIC), we discussed Water Board concerns associated with the UPMF transfer process. These concerns include potential vapor intrusion from the free product area and aquatic impacts to the shoreline area.

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There is no soil gas analytical in the free product area and no deed restriction on building construction near the free product area. However, your consultant (ETIC) has indicated that the Bunker C free product is 70 to 80 years old and that this is a low-volatile petroleum hydrocarbon compound with very low vapor intrusion potential. ETIC also indicated that there will be no buildings constructed in the free product area and 18 inches of asphalt pavement will be emplaced over the UPMF area. Based on the information provided by your consultant, there does not appear to be a significant potential for vapor intrusion.

Potential Aquatic Impacts

There is a 150-foot wide gap between shoreline sentry wells MW-8 and ALUP-W2 that appear to be cross/downgradient from well EW-5. EW-5 groundwater analytical indicates that gasoline and benzene levels are more than an order of magnitude above the Water Board's February 2005 ESLs for estuarine waters. In year 2004, however, you advanced borehole B-60 between the two sentry wells closer to well MW-8 than ALUP-W2. Groundwater analytical from borehole B-60 indicates that no constituents of concern (COCs) were

detected over the method detection limits. Based on this analytical and other information provided by you, the plume appears to be stable or shrinking and no significant aquatic impacts appear imminent. However, we do recommend advancing another temporary well borehole half-way between former borehole B-60 and well ALUP-W2 mid-way through the three-year development process and analyzing for the same COCs. Also note for future discussions that the Water Board considers the Oakland Inner Harbor to be estuarine and that marine ESLs are not applicable in this location.

The Water Board hereby authorizes transfer of regulatory oversight responsibilities for the 4.6- acre overlap portion of the Berths 57-59 site to the Alameda County. If you have any questions, please contact me at (510) 622-2435 or e-mail [rpapler@waterboards.ca.gov].

Sincerely,

Roger W. Papler, P.G.
California Regional Water
Quality Control Board
San Francisco Bay Region

cc:
Max Shahbazian, RWQCB
John Wolfenden, RWQCB
Barney Chan, Alameda County Health Care Services
John Prall, Port of Oakland Michele Heffes,
Port of Oakland Michael Grant, Union Pacific Railroad

Roger W. Papler, P.G.
San Francisco Regional Water Quality Control Board
1515 Clay Street, Suite 1500
Oakland, CA 94612

From: John Prall [jprall@portoakland.com]
Sent: Tuesday, May 09, 2006 9:07 AM
To: Chan, Barney, Env. Health
Subject: Re: FW: APL Project Update

Good Morning Barney-

Yes, things have changed. The APL Project is going before our Board (again) on May 16th with a modified recommendation to proceed. The project will be changed by the deletion of the Maintenance and Repair (M&R) building that cuts out several million dollars off the total plus other recommended cuts that are being debated internally. The project that will emerge from the cost cutting will still require reconfiguration of the ground or pavement surface and that means the mass grading and subsurface utility improvements will remain. I have directed ETIC to finalize the Soil Management and Contingency Plan for the project and to get it submitted to you. The recent submittals we would appreciate your review as the project is tentatively set for July 1st. The change in the project timing has surprised me too.

John

>>> "Chan, Barney, Env. Health" <barney.chan@acgov.org> 5/9/2006 8:50 AM >>>

John: The last we spoke, you said the project is on hold. Has anything changed, are you back on track? Do I need to look at these documents and comment now?

Thanks,
Barney M. Chan
Hazardous Materials Specialist
Alameda County Environmental Health
510-567-6765

-----Original Message-----

From: Alan Anselmo [mailto:AAnselmo@eticeng.com]
Sent: Monday, May 08, 2006 4:04 PM
To: Chan, Barney, Env. Health
Cc: Kathy Brandt; Khaled Rahman; Mehrdad Javaherian; jprall@portoakland.com
Subject: APL Project Update

Barney,

Based on my recent conversations with the Port of Oakland, it appears that the APL Yard and Gate Redevelopment Project at Berths 60-63 may commence sometime in June 2006. As such, I wanted to follow-up with you to see if you've had a chance to review our recent three submittals (the Well Destruction Work Plan, the ESL Exceedances Evaluation Memorandum, and the Response to the County's March 2, 2006 Comments Memorandum). Please let me know if you have any questions regarding any of the submittals.

Regards,

Alan Anselmo, P.E.
ETIC Engineering, Inc.
Oakland office phone: (510) 208-1600 x14 Pleasant Hill office phone:
(925) 602-4710 x19 Cell phone: (415) 497-2734

Email: aanselmo@eticeng.com

Chan, Barney, Env. Health

From: John Prall [jprall@portoakland.com]
Sent: Monday, April 24, 2006 3:26 PM
To: Chan, Barney, Env. Health
Cc: Alan Anselmo
Subject: Fwd: Re: Regulatory Oversight during Redevelopment of the American Presidential Lines/Former Union Paci

Barney-

This e-mail contains a reply from Max Shahbazian, RWQCB regarding the Ports request for transfer of regulatory oversight of a portion of the Roundhouse Site to Alameda County. The RWQCB has agreed to the transfer, see the last paragraph below.

John Prall
Port of Oakland
627-1373

>>> Dawn Crater 4/20/2006 9:42 AM >>>
Max - Thank you.

Barney - Per your March 2, 2006 letter to John Prall re: R00000470, Berths 60-63 Redevelopment Project, 1395 Middle Harbor Road, please see the RWQCB transfer of oversight for the 3.2 acre Roundhouse/APL overlap area below. The Port requested this transfer from the RWQCB to Alameda County to address your comment under the Technical Comment section Item 1. on Page 2, as follows: "We also understand that the Port will also be requesting the Water Board transfer oversight of a small portion of the Union Pacific Roundhouse site, which they currently oversee, also within the redevelopment footprint. We would be willing to include County oversight of these areas, however, we cannot comment on these two areas until oversight is formally transferred to the County in writing."

Please let me know if you require any further documentation. With this email, the Port formally requests that the County provide oversight of the 3.2 Roundhouse/APL Overlap area.

Dawn L. Crater
Port Environmental Scientist

Port of Oakland
Environment & Safety Department
dcrater@portoakland.com

Tel: (510) 627-1185
Fax: (510) 451-5916
Cell: (510) 772-9338

>>> "Max Shahbazian" <MShahbazian@waterboards.ca.gov> 4/18/2006 5:45 PM
>>>
Date: April 18, 2006
File No.:01S0289 (MS)

Port of Oakland
Attn: Ms. Dawn Crater
530 Water Street
Jack London Square
Oakland, CA 94604-2064

Subject: Regulatory Oversight during Redevelopment of the American Presidential Lines/Former Union Pacific Roundhouse Overlap Area, Port of Oakland, Alameda County

Dear Ms. Crater:

This letter responds to your April 7, 2006, letter titled Regulatory Oversight during Redevelopment of the American Presidential Lines (APL)/ Former Union Pacific (UP) Roundhouse Overlap Area, Port of Oakland. In your letter you requested temporary transfer of the regulatory oversight of a 3.2-acre portion of the former UP Roundhouse site during the Port's redevelopment of APL Terminal from the Water Board to the Alameda County Health Care Services Agency (Alameda County). As discussed below, we agree with your request.

The proposed APL redevelopment extends over an area of 80 acres, of which 3.2 acres overlap with the northeast corner of the former UP Roundhouse site. In your letter, you have indicated that the goal of your request is to simplify the regulatory coordination and compliance during the three year redevelopment period of the APL Terminal.

The Water Board has required specific soil and groundwater management procedures for any construction activities at the UP Roundhouse site involving subsurface work or disturbance. The procedures are established in the November 2005 Site Management Plan (SMP) and are applicable to the subject overlap area. The SMP shall be implemented during the APL redevelopment of the 3.2-acre overlap portion of the UP Roundhouse site.

The Water Board hereby agrees to transfer its regulatory oversight responsibilities for the 3.2- acre overlap portion of the former UP Roundhouse site to the Alameda County for a period of three years. The remainder of the former UP Roundhouse site will remain under the Water Board oversight during the temporary transfer period and thereafter.

If you have any questions, please contact me at (510) 622-4824 or e-mail [MShahbazian@waterboards.ca.gov].

Sincerely,

Max Shahbazian, P.G.
California Regional Water
Quality Control Board
San Francisco Bay Region

cc:
Barney Chan, Alameda County Health Care Services John Prall, Port of Oakland Michele Heffes, Port of Oakland Michael Grant, Union Pacific Railroad

Chan, Barney, Env. Health

From: Dawn Crater [dcrater@portoakland.com]
Sent: Thursday, April 20, 2006 9:43 AM
To: Chan, Barney, Env. Health; Max Shahbazian
Cc: Susan Gallardo; Jeff Jones; John Prall; Michele Heffes; MJGRANT@up.com; Christine Noma
Subject: Re: Regulatory Oversight during Redevelopment of the American Presidential Lines/Former Union Pacific

Max - Thank you.

Barney - Per your March 2, 2006 letter to John Prall re: R00000470, Berths 60-63 Redevelopment Project, 1395 Middle Harbor Road, please see the RWQCB transfer of oversight for the 3.2 acre Roundhouse/APL overlap area below. The Port requested this transfer from the RWQCB to Alameda County to address your comment under the Technical Comment section Item 1. on Page 2, as follows: "We also understand that the Port will also be requesting the Water Board transfer oversight of a small portion of the Union Pacific Roundhouse site, which they currently oversee, also within the redevelopment footprint. We would be willing to include County oversight of these areas, however, we cannot comment on these two areas until oversight is formally transferred to the County in writing."

Please let me know if you require any further documentation. With this email, the Port formally requests that the County provide oversight of the 3.2 Roundhouse/APL Overlap area.

Dawn L. Crater
Port Environmental Scientist

Port of Oakland
Environment & Safety Department
dcrater@portoakland.com

Tel: (510) 627-1185
Fax: (510) 451-5916
Cell: (510) 772-9338

>>> "Max Shahbazian" <MShahbazian@waterboards.ca.gov> 4/18/2006 5:45 PM
>>> >>>
Date: April 18, 2006
File No.:01S0289 (MS)

Port of Oakland
Attn: Ms. Dawn Crater
530 Water Street
Jack London Square
Oakland, CA 94604-2064

Subject: Regulatory Oversight during Redevelopment of the American Presidential Lines/Former Union Pacific Roundhouse Overlap Area, Port of Oakland, Alameda County

Dear Ms. Crater:

This letter responds to your April 7, 2006, letter titled Regulatory Oversight during Redevelopment of the American Presidential Lines (APL)/ Former Union Pacific (UP) Roundhouse Overlap Area, Port of Oakland. In your letter you requested temporary transfer of the regulatory oversight of a 3.2-acre portion of the former UP Roundhouse site during the Port's redevelopment of APL Terminal from the Water Board to the Alameda County Health Care Services Agency (Alameda County). As discussed below, we agree with your request.

The proposed APL redevelopment extends over an area of 80 acres, of which 3.2 acres overlap with the northeast corner of the former UP Roundhouse site. In your letter, you have indicated that the goal of your request is to simplify the regulatory coordination

and compliance during the three year redevelopment period of the APL Terminal.

Lo 470

The Water Board has required specific soil and groundwater management procedures for any construction activities at the UP Roundhouse site involving subsurface work or disturbance. The procedures are established in the November 2005 Site Management Plan (SMP) and are applicable to the subject overlap area. The SMP shall be implemented during the APL redevelopment of the 3.2-acre overlap portion of the UP Roundhouse site.

The Water Board hereby agrees to transfer its regulatory oversight responsibilities for the 3.2- acre overlap portion of the former UP Roundhouse site to the Alameda County for a period of three years. The remainder of the former UP Roundhouse site will remain under the Water Board oversight during the temporary transfer period and thereafter.

If you have any questions, please contact me at (510) 622-4824 or e-mail [MShahbazian@waterboards.ca.gov].

Sincerely,

Max Shahbazian, P.G.
California Regional Water
Quality Control Board
San Francisco Bay Region

cc:
Barney Chan, Alameda County Health Care Services John Prall, Port of Oakland Michele Heffes, Port of Oakland Michael Grant, Union Pacific Railroad

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



7

March 2, 2006

Mr. John Prall
Port of Oakland
530 Water St.
P.O. Box 2064
Oakland, CA 94604

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Dear Mr. Prall:

Subject: [REDACTED] Berths 60-63 Redevelopment Project, 1395 Middle Harbor Rd.,
Oakland, CA 94607

Alameda County Environmental Health (ACEH) has reviewed the file for the subject site including the *January 6, 2006 Response to Comments from Alameda County Health Services* dated November 14, 2005 by ETIC Engineering. We have also considered the information presented during the February 2, 2006 meeting with ETIC and the Port at the County offices. We expect that our meeting, discussion and ultimate concurrence on relevant environmental issues will allow the proposed development to proceed without delay, while satisfying the environmental needs of our office. Because our office is concerned with both protection of human health and the environment and the administrative oversight and closure of sites, although we concur with the proposed commercial development of the site and the conclusion of the Construction Worker Risk Assessment, additional information may be required to adequately characterize the site and make a no further action determination. We believe that if additional information or investigation is warranted, this work would be done during and after development. With the noted historical uses of this and neighboring sites, it is currently unclear whether all the potential areas of concern have been adequately addressed.

We have the following observations and technical comments for the site and to the ETIC Memorandum, which we request that you address.

TECHNICAL COMMENTS

We have reviewed the information and results of previous soil and groundwater investigations to determine if this data has adequately characterized the areas of concern. We note that even though no unacceptable risk is foreseen for the construction worker and nearby neighbors during site development, numerous administrative controls must be observed to prevent future contaminant exposure. Also, as noted in the risk assessment, risk may change as additional data is obtained. Our initial concern is to identify the potential areas of concern and identify any data gaps that may be present. We offer the following technical observations for your comment and response.

1. Municipal Debris Landfill- We are aware that this area is currently being overseen by the RWQCB. ETIC's Memorandum states that a report is being prepared for submission to the Water Board to examine the feasibility of remediation of the free product at the site believed to be Bunker C. The Port, during our meeting, informally inquired whether the County would be willing to provide oversight of this area if the

Water Board concurred, the rationale being that the project will extend onto this site and that the County is currently providing oversight to the majority of the proposed re-development. We also understand that the Port will also be requesting the Water Board transfer oversight of a small portion of the Union Pacific Roundhouse site, which they currently oversee, also within the redevelopment footprint. We would be willing to include County oversight of these areas, however, we cannot comment on these two areas until oversight is formally transferred to the County in writing.

2. The Boring B20 Area- Located in the southeast corner of the site, this area was formerly occupied by Sherex Chemical and the El Dorado Oil Facility. The site formerly had four USTs, one gasoline, two methanol and one containing nitrile residue. There was no closure report for these tanks, nor was there any report on the closure of the plants. Figure 3 of the June 10, 2002 Iris Environmental report indicates the following potential areas of concern; fuel oil, oil tank, tanks, tank farms, solvent extraction plant, drum storage and amine reactor. Monitoring wells SMW-1 through SMW-4 and MW-1 were installed in this area. Please provide any information on the closure of the USTs, the closure of the plants, sampling data from these wells and soil and water sampling in these areas of concern. What additional data is necessary to characterize the site?
3. Investigation of former USTs EF6-9- The Geomatrix tank removal report details that significant TPHd, up to 11,000 ppm, was left in-place in soil after the removal of the diesel, gasoline and waste oil tanks. Physical constraints prevented the removal of additional soil contamination. Soil borings and three monitoring wells were installed to define the release, however, it appears that contamination migrated beneath the nearby building, E-221. Monitoring wells MW-1 through MW-3 were installed and sampled, however, they do not define the petroleum and HVOC plumes, particularly towards the west. Groundwater gradient has been variable and appears opposite of the assumed gradient ie towards the estuary. Additional groundwater definition and soil excavation should be considered when the former physical constraints are removed. In the absence of additional soil removal, replacement wells will be required.
4. Investigation of former USTs EF-11 through EF-13- The County expressed concern over the presence of TPH contamination that appeared to increase with depth. ETIC explained that this was not an uncommon result of dissolved TPH being spread in a smear zone as historical water depths vary. They also point out that groundwater has been minimally impacted. The County's concern is two-fold, whether higher concentrations or submerged product may exist and what is the thickness of the smear zone ie how much residual contamination is left in-place? In order to answer these questions, additional sampling and analysis appears necessary.
5. Diesel Spill/ Railyard Area- In this northern portion of the site, numerous areas of concern exist. A railroad diesel spill occurred in 1995 and three monitoring wells were installed. It is unclear if this release was ever resolved (closed). Please provide clarification as to what occurred, what remediation was performed, what monitoring results exist and what additional investigation is required for closure. In this area, numerous tanks are known to have been present including two fuel oil tanks, an oil tank, a sludge tank and USTs excavated in 1975. Are there any reports

on these tank removals? Do they pose any health risk? A machine shop, plating shop, wash area, boiler and compressor house and blacksmith and boiler shop are also noted in this area. Have these shops been inspected? Will they be sampled as necessary prior to demolition? The 2005 Kinder Morgan release from their pipeline occurred just northwest of this area. The release and investigation was overseen by the USEPA. The release impacted the storm drain and migrated across the entire APL site through the storm drains and impacted the Oakland estuary. Numerous wells were installed, free product recovered and storm drains washed and inspected. It is uncertain whether this release continues to present an environmental risk to the APL site. Please provide a copy of the EPA report so we are able to make this determination.

6. Other Impacted Areas- This area consists of the remainder of the site not previously mentioned. Iris' Historical and Present Areas of Concern, Figure 3 notes the following areas of potential concern within this area: fuel facility (excavated 1972), machine shop substation, machine shop E-207, electric shop, refuse burner, mock-up engine building, paint shop and a series of transformer substations. These areas should be inspected and possibly investigated prior to development.
7. Preferential Pathways – As noted, we request a copy of the EPA report of the Kinder Morgan pipeline release, which will be used to determine if the storm drains still pose an environmental risk.
8. Co-ordination with Other Agencies- We await written confirmation from the Water Board of oversight transfer before commenting.
9. Risk Assessment/ Environmental Risk Assessment - The risk assessment provided only evaluated risk to the construction worker. Multiple areas of concern exist with little to no groundwater evaluation. Therefore, the absence of this data prevents proper evaluation of groundwater impacts and their risk to the Oakland Inner Harbor. Please compile site groundwater data and determine what additional data is necessary to determine groundwater impacts and environmental risk. We agreed with the scope and approach of evaluating exceeds of ESLs, however, this is contingent on the existence of adequate data evaluating the many areas of concern.
10. Grading Contingency Plan- We have been requested to review and approve the GCP, which addresses how contaminated soil and groundwater will be documented and handled during the development. Although some contamination may be remediated during development, such removal of contamination will be coincidental as opposed to focused remediation and we do not consider this a remediation plan.
11. Well Destruction Work Plan- We understand a well destruction plan will be submitted prior to March 10, 2006. Please consider if additional monitoring is necessary from these wells prior to decommissioning. Your plan and evaluation should include all known wells at the site.
12. Geotracker and Electronic Submission of Reports- Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper

copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.swrcb.ca.gov/ust/cleanup/electronic reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic%20reporting)).

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at barney.chan@accgov.org.

TECHNICAL REPORT REQUEST

Please submit the following technical reports according to the following schedule:

- March 24, 2006- Technical response to address concerns of Boring 20 Area, USTs EF6-9, USTs EF-11 through EF-13, the Diesel Spill/ Railyard Area, and the Other Impacted Areas.
- March 24, 2006- Copy of EPA Report of Kinder Morgan Pipeline Release
- March 24, 2006- Grading Contingency Plan
- March 10, 2006- Well Decommissioning Work Plan

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this case meet this requirement.

If you have any questions, please call me at (510) 567-6765.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: files, D. Drogos, A. Levi

Ms. Roberta Reinstein, Port of Oakland, 530 Water St., P.O. Box 2064, Oakland,
CA 94607-2064

Messrs. Max Shahbazian and Roger Papler, SFRWQCB

Mr. Alan Anselmo, ETIC Engineering, 1333 Broadway, Ste. 1015, Oakland, 94612

2_24_06 1395 Middle Harbor Rd

R0470

Chan, Barney, Env. Health

From: John Prall [jprall@portoakland.com]
Sent: Wednesday, February 22, 2006 9:27 AM
To: Chan, Barney, Env. Health
Cc: AAnselmo@eticeng.com; KBrandt@eticeng.com; mjavaherian@eticeng.com
Subject: APL Reconstruction Project

Barney-

I am taking the opportunity to announce that the consultanting company representing the Port on the APL Reconstruction Project, ETIC Engineering, Inc., has a new team member. Mr. Alan Anselmo has taken on the duties and responsibilities for moving forward with the APL work from Matt Janowiak. The change in leadership came about due to a long-planned career change by Matt who has moved to rural Montana. I have full faith in Alan and the ETIC team.

Alan can be reached at the ETIC Oakland offices at 208-1600, extension 14 or by e-mail at aanselmo@eticeng.com.

Of course, I am always available here at the Port.

John Prall

From: Gopi Chandran [GChandran@eticeng.com]
Sent: Thursday, February 16, 2006 4:16 PM
To: Chan, Barney, Env. Health
Cc: Alan Anselmo; Kathy Brandt; jprall@portoakland.com
Subject: Feb 2nd APL Meeting Summary

Barney,

Thanks again for taking the time to meet with us on February 2nd. I would like to recap the commitments and the agreed path forward on the APL Terminal Redevelopment Project:

1. Response to Comments: as you review this submittal in more detail, and as questions arise, please contact John Prall via email at jprall@portoakland.com or by phone at 627-1373. We will respond to these questions as quickly as possible. First off, the Port will provide a response to your clarification on the comment regarding the contaminant profile at the Tanks EF6-9 Area. The County's concern regarding the potential presence for NAPL at deeper depths was not explicitly addressed in the Port's initial response to comments.
2. The Port will provide you with the Grading Contingency Plan by March 1st, 2006 for your review and approval.
3. The Port will send a draft letter as a template requesting that Alameda County approach the RWQCB regarding the RWQCB transfer of their primary oversight role for a small portion of the Union Pacific Roundhouse site (northeast corner of the APL Terminal Redevelopment area) and the Municipal Debris Fill area (in the west area).
4. Alameda County agreed with the scope and approach for evaluating ESL exceedances previously reported for the APL Site, as presented in the meeting. A Technical Memo will be submitted to the County for review and approval by Friday, March 17th.
5. A Well Destruction Work Plan will be submitted before March 1st, and the final report will be submitted within 30 days of completion of the field work, as noted in the County's letter.

Sincerely,

Gopi Chandran
Program Director
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523

(925) 602-4710 ext 26

gchandran@eticeng.com

Chan, Barney, Env. Health

From: Kathy Brandt [KBrandt@eticeng.com]
Sent: Wednesday, January 18, 2006 10:44 AM
To: Chan, Barney, Env. Health
Cc: Matthew Janowiak; Mehrdad Javaherian; jprall@portoakland.com
Subject: Follow-up

Dear Mr. Chan,

This email is a follow-up the voicemail I left this morning. The Port of Oakland and ETIC would like to schedule a meeting, for the week of January 23, regarding the APL Redevelopment Project that is scheduled to begin second quarter 2006.

In this meeting, we would like to give a brief presentation of the construction project, discuss the responses from the Port regarding the 14 November 2005 letter from Alameda County, and discuss the approach for dealing with known and unknown contaminants during the redevelopment activities.

Please let me know your availability. Thank you.

Katherine Brandt
ETIC Engineering, Inc.
1333 Broadway, Suite 1015
Oakland, CA 94612
510.208.1600 ext 11

Chan, Barney, Env. Health

20470

From: John Prall [jprall@portoakland.com]
Sent: Friday, December 02, 2005 11:08 AM
To: Chan, Barney, Env. Health
Cc: KBrandt@eticeng.com; mjavaherian@eticeng.com
Subject: APL Project

Attachments: Scan001.PDF



Scan001.PDF (307 KB)

Barney-

The November 14th letter to the Port requested information including the APL Redevelopment Schedule and the contact information for nearby and neighboring sites. Please find the information requested attached and in the body of this e-mail. Additionally, the new consulting company for this project is ETIC. Their contact information:

Mehrdad Javaherian (510) 208-1600, ext. 25
MJavaherian@eticeng.com

Katherine (Kathy) Brandt (510) 208-1600, ext. 11
Kbrandt@eticeng.com

ETIC Engineering, Inc.
1333 Broadway, Suite 1015
Oakland, California 94612

Nearby or Neighboring Sites

East Side of the APL Terminal, the Roundhouse Area
Max Shahbazian
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612
(510) 622-4824

West Side of APL Terminal, Berths 57, 58 & 59 Area
Roger Papler
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612
(510) 622-2435

If you have any questions, please call or e-mail me.

John Prall
627-1373

From: John Prall
To: Barney Chan
Date: 12/2/2005 11:08:12 AM
Subject: APL Project

Barney-

The November 14th letter to the Port requested information including the APL Redevelopment Schedule and the contact information for nearby and neighboring sites. Please find the information requested attached and in the body of this e-mail. Additionally, the new consultanting company for this project is ETIC. Their contact information:

Mehrdad Javaherian (510) 208-1600, ext. 25
MJavaherian@eticeng.com

Katherine (Kathy) Brandt (510) 208-1600, ext. 11
Kbrandt@eticeng.com

ETIC Engineering, Inc.
1333 Broadway, Suite 1015
Oakland, California 94612

Nearby or Neighboring Sites

East Side of the APL Terminal, the Roundhouse Area

Max Shahbazian
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612
(510) 622-4824

West Side of APL Terminal, Berths 57, 58 & 59 Area

Roger Papler
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612
(510) 622-2435

If you have any questions, please call or e-mail me.

John Prall
627-1373

CC: Kathy Brandt; Mehrdad Javaherian

DEC 9 9 2005

Alameda County

APL Yard and Gate Redevelopment Project

ID	Task Name	Duration	Start	Finish	Preced	2003		2004		2005		2006		2007		2008	
						H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	
1	DESIGN	876 days	Thu 8/15/02	Thu 12/22/05													
2	Consultant Selection	14 days	Thu 8/15/02	Tue 9/3/02													
3	Bd Appr Negotiations	0 days	Tue 9/3/02	Tue 9/3/02	2												
4	Prepare Contract	20 days	Wed 9/4/02	Tue 10/1/02	3												
5	0-30%	470 days	Wed 10/2/02	Tue 7/20/04	4												
6	Data Gathering	20 days	Wed 10/2/02	Tue 10/29/02													
7	30% Design	67 days	Wed 10/30/02	Thu 1/30/03	6												
8	30% Design Submittal	1 day	Fri 1/31/03	Fri 1/31/03	7												
9	On Hold (APL Negotiations)	378 days	Mon 2/3/03	Wed 7/14/04	8												
10	Letter of Intent Signed	1 day	Tue 6/22/04	Tue 6/22/04													
11	Board Approval - Design	1 day	Tue 7/20/04	Tue 7/20/04													
12	Kickoff Meeting w/ APL & M&N	1 day	Wed 7/14/04	Wed 7/14/04													
13	30% - Revised 30%	60 days	Wed 7/14/04	Tue 10/1/04													
14	30% Mod. Design	47 days	Wed 7/14/04	Thu 9/16/04													
15	30% Mod. Design Submittal	1 day	Fri 9/17/04	Fri 9/17/04	14												
16	30% Review	12 days	Mon 9/20/04	Tue 10/5/04	15												
17	Revised 30% - 60%	70 days	Wed 10/6/04	Tue 1/11/05													
18	60% Design	47 days	Wed 12/8/04	Thu 12/9/04	16												
19	60% Design Submittal	1 day	Fri 12/10/04	Fri 12/10/04	18												
20	60% Review	22 days	Wed 12/13/04	Tue 1/11/05	17												
21	60% - 90%	44 days	Wed 1/13/05	Thu 10/10/05													
22	90% Design - Buildings	22 days	Wed 1/13/05	Thu 1/20/05	20												
23	90% Design - Yard	122 days	Wed 1/12/05	Thu 6/30/05	20												
24	90% Design Submittal - Buildin	1 day	Fri 6/17/05	Fri 6/17/05	22												
25	90% Design Submittal - Yard	1 day	Fri 7/1/05	Fri 7/1/05	24												
26	90% Review - Buildings	25 days	Mon 7/20/05	Fri 7/22/05	24												
27	90% Review -Yard	19 days	Tue 7/5/05	Fri 7/29/05	25												

DRAFT



Prepared by: Ken Jung
 Filename: APL_Schedule_v8_r4
 Date Printed: Sat 11/19/05, 11:35 AM

Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

APL YARD AND GATE REDEVELOPMENT PROJECT

ID	Task Name	Duration	Start	Finish	Preced	2003		2004		2005		2006		2007		2008	
						H2	H1	H2	H1	H2	H1	H2	H1	H2			
28	APL's 90% Comments	1 day	Wed 8/3/05	Wed 8/3/05	23												
29	Design - Constructability Sel	16 days	Mon 8/1/05	Mon 8/22/05	27												
30	Constructability Review	13 days	Tue 8/23/05	Thu 9/8/05	29												
31	APL's Add'l 90% Comments	1 day	Tue 8/30/05	Tue 8/30/05	28												
32	Discuss Phasing with APL	1 day	Thu 9/22/05	Thu 9/22/05	31												
33	Decision on Project Phasing	1 day	Mon 10/10/05	Mon 10/10/05	32												
34	90% - 100%	66 days	Wed 8/31/05	Wed 11/30/05													
35	100% Design - Buildings	43 days	Wed 8/31/05	Fri 10/28/05	31												
36	100% Design - Yard	19 days	Tue 10/11/05	Fri 11/4/05	33												
37	100% Design Submittal - Buildi	1 day	Mon 10/31/05	Mon 10/31/05	35												
38	100% Design Submittal - Yard	1 day	Mon 11/7/05	Mon 11/7/05	36												
39	100% Review - Buildings	12 days	Tue 11/1/05	Wed 11/16/05	37												
40	100% Review - Yard	17 days	Tue 11/8/05	Wed 11/30/05	38												
41	100% - Final	26 days	Thu 11/17/05	Thu 12/22/05													
42	Maritime Comm Mtg	1 day	Mon 11/21/05	Mon 11/21/05													
43	Bd Appr Plans & PM	1 day	Tue 12/6/05	Tue 12/6/05	42												
44	Final Design - Buildings	11 days	Thu 11/17/05	Thu 12/1/05	39												
45	Final Design - Yard	15 days	Tue 11/29/05	Wed 12/21/05	40												
46	Final Design Submittal - Buildin	1 day	Fri 12/2/05	Fri 12/2/05	44												
47	Final Design Submittal - Yard	1 day	Thu 12/22/05	Thu 12/22/05													
48	BID AND AWARD	2 days	Mon 12/19/05	Wed 12/21/05													
49	Bid Period - MOB	28 days	Mon 12/19/05	Wed 1/3/06	43												
50	Review MOB Bids	5 days	Thu 1/19/06	Wed 1/25/06	49												
51	Bid Period - M&R	33 days	Mon 12/12/05	Wed 1/25/06	43												
52	Review M&R Bids	5 days	Thu 1/26/06	Wed 2/1/06	51												
53	Bid Period - Yard and Gate	33 days	Mon 1/22/06	Wed 2/15/06	43,47												
54	Review Yard and Gate Bids	5 days	Thu 2/16/06	Wed 2/22/06	53												

DRAFT



Prepared by: Ken Jung
 Filename: APL_Schedule_v8_r4
 Date Printed: Sat 11/19/05, 11:35 AM

Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

APL Yard and Gate Redevelopment Project

ID	Task Name	Duration	Start	Finish	Preced	2003			2004		2005		2006		2007		2008	
						H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2		
55	Maritime Comm Mtg	1 day	Mon 2/20/06	Mon 2/20/06														
56	Bd Appr to Award Contract	1 day	Tue 3/7/06	Tue 3/7/06	55													
57																		
58	CONSTRUCTION	651 days	Wed 3/8/06	Wed 9/3/08														
59	Contract Execution	20 days	Wed 3/8/06	Tue 4/4/06	56													
60	Submittals, Paperwork	10 days	Wed 4/5/06	Tue 4/18/06	59													
61	NTP	1 day	Wed 4/19/06	Wed 4/19/06	60													
62	Construction	620 days	Thu 4/20/06	Wed 9/3/08	61													

DRAFT



Prepared by: Ken Jung
 Filename: APL_Schedule_v8_r4
 Date Printed: Sat 11/19/05, 11:35 AM

Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

November 14, 2005

Mr. John Prall
Port of Oakland
530 Water St.
P.O. Box 2064
Oakland, CA 94607-2064

Dear Mr. Prall:

Subject: Berths 60-63 Redevelopment Project, Including 1395 Middle Harbor Rd., Oakland, CA 94607, RO0000470

This letter follows up ACEH's September 30, 2005 letter where the County agreed to accept the oversight of the planned Berths 60-63 Redevelopment Project. Within this area several contaminant areas were identified in addition to the underground storage tank releases from former tanks, EF6-9, EF11-13 and EF14, collectively called 1395 Middle Harbor Rd., RO0000470, by our agency. To provide consistency and coordination with the proposed site development and environmental investigation of this project, we agreed that this would be best done under one agency. It is further understood that adjacent properties have been affected by contaminants, which may have impacted the proposed development site and that other agencies may be the lead on these investigations. The County will work with these agencies, collaboratively.

Our office has received and reviewed the following reports:

- Treadwell and Rollo, 2005, Underground Storage Tank Assessment, Berth 60-63, 1395 Middle Harbor Road, Oakland California, 2 May.
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- ETIC and SAIC, 2005, Construction Worker Risk Assessment, Berth 60-63 Yard and Gate Redevelopment Project Area, Port of Oakland, 21 March.
- Iris Environmental, 2002, Planning Scale Environmental Site Assessment, American Presidents Lines Terminal, Port of Oakland, Oakland, California, 10 June

Please address the following technical comments when performing the proposed project.

TECHNICAL COMMENTS

1. **Well Decommissioning**- we approve of the decommissioning of wells MW1-MW3 installed for the investigation of former USTs, EF6-9.
2. **UST Area EF6-9**- This UST area will require additional investigation post-development. The lateral and vertical extent of petroleum in soil and groundwater should be investigated, particularly in the direction of building E-221, which will be

accessible after this building is demolished. Replacement wells will also be necessary to demonstrate plume stability. The significance of HVOCs detected in soil will also need investigation. Please provide a work plan for soil and groundwater investigation and replacement wells as requested below. We concur with the referenced report, ie no building should be built above this area without County concurrence.

3. **UST Area EF-11 through EF-13-** The presence of TPHd and TPHmo contamination, which increases with depth should be investigated and explained. Please provide your response in the work plan requested below.
4. **UST Area EF-14-** We concur that no further work appears necessary for this former UST.
5. **Other Impacted Areas-** The listed reports identify other impacted areas within the planned redevelopment including the Municipal Debris Fill Area to the west, the Diesel Spill/Railyard Area to the north, the B20 Area, named for the impacted boring in an area believed impacted by historic industrial use and the General Area, representing the rest of the site, which has also been impacted by historic uses. Within these areas, sample locations exceeding ESLs have been identified. These areas should be evaluated for remediation or additional investigation and any work should be performed prior to the proposed redevelopment. Areas of free product should be remediated to the extent possible. Groundwater impact should be determined and monitoring wells should be considered in significantly impacted areas. The threat of contamination to the nearby surface water should be evaluated. Provide your investigation work plan as requested below.
6. **Preferential Pathways-** Storm drains have been identified as potential preferential pathways. In addition, new utilities associated with the development may encounter impacted soils. A recent release from a Kinder Morgan pipeline is suspected of impacting a storm drain running north-south through the General Area. The threat of these releases and their impact to the estuary should be evaluated prior to redevelopment.
7. **Co-ordination with other agencies-** Please identify the nearby and neighboring sites, which may have some impact on the proposed development area and provide the name of the overseeing agency and their contact information. We will copy them with correspondences and hope they will reciprocate. Provide this information as requested below.
8. **Provide a schedule for the Re-development** – As soon as possible, please provide a schedule for the development.
9. **Geotracker EDF Submittals** - A review of the case file and the State Water Resources Control Board's (SWRCB) Geotracker website indicate that electronic copies of analytical data have not been submitted for your site. Pursuant to CCR Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, beginning January 1, 2002, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB

Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format).

In order to remain in regulatory compliance, please upload all LUFT analytical data (collected on or after September 1, 2001, to the SWRCB's Geotracker database website in accordance with the above-cited regulation. Please perform the electronic submittals for applicable data and submit verification to this Agency by December 15, 2005.

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

TECHNICAL REPORT REQUEST

Please submit the following technical reports according the following schedule:

- Well Decommissioning report- 30 days after completion of well decommissioning.
- Work plan for USTs EF6-9 and EF-11 through EF-13 – 60 days after completion of redevelopment of these areas.
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ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). Please visit the State Water Resources Control Board for more information on these requirements ([http://www.swrcb.ca.gov/ust/cleanup/electronic reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic%20reporting)).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

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Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

If you have any questions, please call me at (510) 567-6765.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: files, D. Drogos, A. Levi

Ms. Roberta Reinstein, Port of Oakland, 530 Water St., P.O. Box 2064, Oakland,
CA 94607-2064

Mr. Grover Buhr, Treadwell & Rollo, Inc., 501 14th St., Third Floor, Oakland, 94612

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

November 14, 2005

Mr. John Prall
Port of Oakland
530 Water St.
P.O. Box 2064
Oakland, CA 94607-2064

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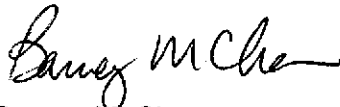
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Mr. Grover Buhr, Treadwell & Rollo, Inc., 501 14th St., Third Floor, Oakland, 94612

Chan, Barney, Env. Health

From: John Prall [jprall@portoakland.com]
Sent: Wednesday, October 05, 2005 2:46 PM
To: Chan, Barney, Env. Health
Subject: APL Redevelopment Project

Barney-

Your letter was received. Thanks for the prompt reply. I promised that I would send a list to you by today regarding issues. My list is short and includes:

- 1) We would like to abandon three wells at UST Site EF6-9 so they are out of the way of construction. We recently sampled the wells (in June), but did not get to that subject in our recent meeting. I have attached a spreadsheet of monitoring results for about 14 events for your use. We are not asking for permanent removal at this time, only replacement if you so direct after construction work is finished.
- 2) We would like to go ahead and start a closure summary for UST site EF14 as the recent investigation indicated only minor hits for TPH. We ask for your immediate thoughts on closure summary preparations for the other two sites.
- 3) We request a schedule for your review and commenting so we can put the County effort into sync with the project schedule. Presently the project is scheduled to start construction in March 2006 and we intend to take the project to our board in December of this year. If you provide a schedule, we will respond by providing a schedule for replies.

That's it. thanks.

John Prall

Tanks EF 6-9 10k diesel, 5K diesel, 1K gas, SSO w/o

- these in gw? / in soil B31
- residual TPHd next to bid E221

- Need addnl monitoring & investigations to the west / beneath bid

Concern: TPHms increases w/depth, gradient is anomalous. (verticality?)
 TPHd

- extent of release from UST & other sources difficult to distinguish

Tanks EF 11-13 2K gas, 10K diesel, SSO w/o

- gw sample from EF12 - 5.8 mg/L diesel
 - did they run MTBE
 - TPHms 1200ppm @ 6' B49 (is for asphalt?) ; TPHd 1200ppm B45 @ 6'
- probably ok for commercial use (MFA)

Tank EF14 10k diesel probably ok for (MFA)

From: John Prall [jprall@portoakland.com]
Sent: Wednesday, October 05, 2005 2:46 PM
To: Chan, Barney, Env. Health
Subject: APL Redevelopment Project

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**Appendix F
Historical Groundwater Analytical Results
APL Terminal, Port of Oakland**

EF6-9

Monitoring Well	Date	TDS	Gasoline	Diesel	Motor Oil	Benzene	Toluene	Ethyl benzene	Xylene(s)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride
		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-1	2/5/93	3,000	1,800	4,700	-	9.2	1.6	8.9	2.7	-	-	-	0.8	ND	ND	ND	-	-	ND	ND	-	-	-
	5/11/93	-	260	4,800	-	3.2	2.3	0.7	0.5	-	-	-	0.6	ND	ND	ND	-	-	ND	ND	-	-	-
	8/19/93	-	60	2,300	-	9	ND	ND	ND	-	-	-	2.0	2.0	ND	ND	-	-	ND	ND	-	-	-
	11/24/93	-	50	280	-	8.8	1.5	ND	3.0	-	-	-	0.7	ND	ND	ND	-	-	ND	ND	-	-	-
	2/24/94	-	360	2,000	-	12	ND	2	ND	-	-	-	2.0	ND	ND	ND	-	-	ND	ND	-	-	-
	6/14/94	-	ND	ND	-	9.4	ND	ND	0.7	-	-	-	1.0	ND	ND	ND	-	-	ND	ND	-	-	-
	8/23/94	-	80	3,000	-	13	2.4	ND	9.0	-	-	-	2.3	ND	ND	0.3	-	-	ND	ND	-	-	-
	11/4/94	-	ND	1,600	-	15	2.4	ND	11.2	-	-	-	2.2	ND	ND	0.8	-	-	ND	ND	-	-	-
	3/7/95	9,000	<50	420	7,200	1.3	0.4	<0.3	<0.4	-	-	-	1.5	ND	ND	ND	-	-	ND	ND	-	-	-
	3/7/05	-	<50	-	-	0.9	0.3	<0.3	<0.4	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-
	9/25/95	2,200	310	<500	1,300	12	8.0	<0.3	22.5	-	-	-	1.2	ND	ND	ND	-	-	ND	ND	-	-	-
	3/28/96	453	430	710	820	6.6	2.4	12	8.5	-	-	-	1.2	ND	ND	ND	-	-	ND	ND	-	-	-
	6/18/96	953	68	350	750	5.8	1.3	<0.5	<1	-	-	-	1.2	ND	ND	ND	-	-	ND	ND	-	-	-
6/17/05	2,200	<50	<50	<500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<0.50	
MW-2	2/5/93	23,000	ND	840	-	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-
	5/11/93	-	ND	3,700	-	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-
	8/19/93	-	ND	620	-	ND	ND	ND	ND	-	-	-	ND	ND	1.0	2.0	-	-	3.0	ND	-	-	-
	11/24/93	-	ND	80	-	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-
	2/24/94	-	ND	ND	-	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-	-	1.0	ND	-	-	-
	6/14/94	-	-	ND	-	-	-	-	-	-	-	-	ND	ND	ND	ND	-	-	0.8	ND	-	-	-
	8/23/94	-	-	620	-	-	-	-	-	-	-	-	ND	ND	ND	ND	-	-	1.3	ND	-	-	-
	11/4/94	-	-	1,400	-	-	-	-	-	-	-	-	ND	ND	ND	ND	-	-	0.9	ND	-	-	-
	3/7/95	20,000	<50	310	7,100	<0.4	<0.3	<0.3	<0.4	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-
	9/25/95	11,000	-	<300	880	-	-	-	-	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-
	3/28/96	1,190	-	280	380	-	-	-	-	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-
6/18/96	18,800	-	110	330	-	-	-	-	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-	

Notes:

ND = not detected

"-" = data not available

Historical data prior to 6/17/05 extracted from Tables 2 and 3 from Groundwater Monitoring and Sampling Report. ITSI. July 24, 1996.

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APL Terminal, Port of Oakland

Monitoring Well	Date	TDS	Gasoline	Diesel	Motor Oil	Benzene	Toluene	Ethyl benzene	Xylene(s)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	
		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	6/17/05	4,200	<50	100	<500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	<0.50	<2.0	<1.0	<0.50
MW-3	2/5/93	1,600	ND	3,400	-	2.1	0.9	1.7	3.1	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-	
	5/11/93	-	ND	3,300	-	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-	
	8/19/93	-	ND	840	-	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-	-	1.0	ND	-	-	-	
	11/24/93	-	ND	100	-	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-	
	2/24/94	-	ND	890	-	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-	
	6/14/94	-	-	440	-	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-	-	0.6	ND	-	-	-	
	8/23/94	-	-	ND	-	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-	
	11/4/94	-	-	630	-	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-	
	3/7/95	12,000	<50	330	3,200	1.4	<0.3	<0.3	<0.4	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-	
	9/25/95	19,000	-	200	1,300	-	-	-	-	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-	
	3/28/96	7,600	-	200	300	-	-	-	-	-	-	-	ND	ND	ND	ND	-	-	1.6	ND	-	-	-	
	6/18/96	20,600	-	340	560	-	-	-	-	-	-	-	ND	ND	ND	ND	-	-	ND	ND	-	-	-	
6/17/05	16,000	<50	99	<500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<0.50		

Notes:

ND = not detected

"-" = data not available

Historical data prior to 6/17/05 extracted from Tables 2 and 3 from Groundwater Monitoring and Sampling Report. ITSI. July 24, 1996.

Appendix F
 Historical Groundwater Analytical Results
 APL Terminal, Port of Oakland

EF/14

Monitoring Well	Date	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Dibromochloromethane	Dichlorodifluoromethane	Methylene chloride	Tetrachloroethene	Trichloroethene	Trichlorofluoromethane	Trichlorotrifluoroethane	Vinyl chloride		
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
MW-1	2/5/93	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	5/11/93	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	8/19/93	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	11/24/93	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	2/24/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	6/14/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	8/23/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	1.1	
	11/4/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	0.7	
	3/7/95	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	ND
	3/7/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/25/95	-	-	ND	-	0.6	-	-	-	-	-	-	-	-	-	-	-	-	1.8
	3/28/96	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	4
6/18/96	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	2.6	
6/17/05	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	
MW-2	2/5/93	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	5/11/93	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	8/19/93	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	11/24/93	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	2/24/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	6/14/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	8/23/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	11/4/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	3/7/95	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	ND
	9/25/95	-	-	ND	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	ND
	3/28/96	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	ND
	6/18/96	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	ND

Notes:

ND = not detected

"-" = data not available

Historical data prior to 6/17/05 extracted from Tables 2 and 3 from Groundwater Monitoring and Sampling Report. ITSI. July 24, 1996.

Appendix F
Historical Groundwater Analytical Results
APL Terminal, Port of Oakland

Monitoring Well	Date	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Dibromochloromethane	Dichlorodifluoromethane	Methylene chloride	Tetrachloroethene	Trichloroethene	Trichlorofluoromethane	Trichlorotrifluoroethane	Vinyl chloride	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	6/17/05	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50	
MW-3	2/5/93	-	-	ND	-	0.4	-	-	-	-	-	-	-	-	-	-	ND	
	5/11/93	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND
	8/19/93	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND
	11/24/93	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND
	2/24/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND
	6/14/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND
	8/23/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND
	11/4/94	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND
	3/7/95	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND
	9/25/95	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND
	3/28/96	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND
6/18/96	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	
	6/17/05	<0.50	<1.0	<0.50	<1.0	3.6	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	<0.50	<1.0	<0.50	0.98	

Notes:

ND = not detected

"-" = data not available

Historical data prior to 6/17/05 extracted from Tables 2 and 3 from Groundwater Monitoring and Sampling Report. ITS1. July 24, 1996.

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

7

September 30, 2005

Ms. Roberta Reinstein
Port of Oakland
530 Water St.
P.O. Box 2064
Oakland, CA 94604-2064

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Mr. John Prall
Port of Oakland
530 Water St.
P.O. Box 2064
Oakland, CA 94604-2064

Dear Ms. Reinstein and Mr. Prall:



Subject: Berths 60-63 Reconstruction Project and Regulatory Oversight

This letter serves as a follow-up to the September 28, 2005 meeting at ACEH offices with the Port, the Port consultant and ACEH staff to discuss the oversight of the subject site. Currently, the County is overseeing the underground storage tank releases at this site under Fuel Leak Case RO0000470, 1395 Middle Harbor Road, Oakland 94612. We are aware that the planned development of Berths 60-63 will encompass the current area of the UST releases and possibly beyond the current boundary. We are aware that other hazardous materials releases have occurred adjacent and within the current property boundaries and may constitute an additional source of contaminant with comparable threat to the environment. The County will work with the Water Board and DTSC as necessary to evaluate releases, which have commingled from the adjacent properties. The County agrees to oversee the Reconstruction Project area including the existing underground tank releases. Should data suggest that non-UST release threats are significantly greater than those from the USTs, the site may be overseen as a SLIC (Spills, Leaks, Investigation and Cleanup) site. The County concurs that oversight by one agency will allow for co-ordination of site development and environmental investigation with minimal upset.

The County has received the following reports:

- Treadwell and Rollo, 2005, Underground Storage Tank Assessment, Berth 60-63, 1395 Middle Harbor Road, Oakland California, 2 May.
- Treadwell and Rollo, 2005, Redevelopment Planning Report, Environmental Subsurface Assessment, Berths 60-63 Yard and Gate Redevelopment Project, Oakland, California, 30 March.
- ETIC and SAIC, 2005, Construction Worker Risk Assessment, Berth 60-63 Yard and Gate Redevelopment Project Area, Port of Oakland, 21 March.

Ms. Reinstein and Mr. Hall

September 30, 2005

Page 2 of 2

- Iris Environmental, 2002, Planning Scale Environmental Site Assessment, American Presidents Lines Terminal, Port of Oakland, Oakland, California, 10 June.

After our review of these reports, we will provide comment and recommendation(s) for additional information.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: files, D. Drogos

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



March 12, 2003

Mr. John Prall
Port of Oakland
530 Water St.
P.O. Box 2064
Oakland, CA 94604-2064

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Dear Mr. Prall:

Subject: Fuel Leak Case RO0000470, 1395 Middle Harbor Road, Oakland CA 94607

Alameda County Environmental Health, Local Oversight Program (LOP) staff have reviewed the case files for the referenced site including the November 2002 Additional Site Characterization Work Plan for Site Closure and the February 28, 2003 Response to Comments for this work plan both prepared by ITSI, your consultant. Based upon the February 28, 2003 Response, our office approves the work plan which includes the technical comments, which follow.

Technical Comments

- In regards to the investigation for USTs EF6-9, there appears no need for additional borings north of MW-1. However, two additional borings will be advanced, one within the former tank pit, near the center of the former 10k diesel tank and one approximately 20' south of former boring AP-7.
- Total Petroleum Hydrocarbons as motor oil will be run instead of TOG and MTBE will be run by 8260 to avoid additional confirmation analysis, if warranted.
- For samples investigation EF-14, the analysis of metals will be eliminated. Our office recommended running BTEX and MTBE by EPA Method 8021. BTEX is a required analyte for diesel tank investigations, but MTBE is not required for USTs, which have only contained diesel or jet fuel. However, in the event BTEX is detected during this investigation, indicating potential gasoline use, MTBE would then be required. So the most cost effective analysis for diesel tank investigations would be BTEX and MTBE by EPA Method 8021.
- A utilities survey will be included in your future risk assessment for this site.

Please notify our office when this field work is scheduled. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, D. Drogos, files

Ms. R. Hess, ITSI, 2730 Shadelands Drive, Suite 100, Walnut Creek, CA 94598

R0470

Chan, Barney, Env. Health

To: Rachel Hess
Subject: RE: Review of 1395 Middle Harbor Road UST Closure Workplan

Rachel: Sorry for taking my time to get back to you. I've been sick this week and am just about recovered. I looked at the work plan and have the following comments:

- 1. Please have one of your registered professional sign, stamp and attest the contents of this report. I think that J. Prall might not want to use his registration for your work plan.
- 2. Looking at the proposed boring locations for USTs EF6-9, it appears that there is no need for the borings north of MW-1. However, I would like two additional borings. One within the former tank pit, near the center of the former 10k diesel tank, to estimate the residual soil and gw concentration and one additional boring just south (~20') of former sample APL-7, the highest residual location.

I don't have any problems with the proposed borings, # and locations, for the other UST locations. I'd request that at least one soil sample be taken from each borehole, in an attempt to determine the limits of the release.

- 3. Please run total petroleum hydrocarbons as motor oil instead of TOG by method 5520. Also, it is best to run MTBE by 8260 since if it is detected by 8021, it will need to be confirmed by GC/MS.
- 4. For the samples investigating EF-14, please add the analytes BTEX. You may eliminate the analysis of metals. Note it might be easier to run BTEX and MTBE by 8021 to eliminate the need to run MTBE later if significant BTEX is found initially.
- 5. As requested in my 9/10/02 letter, the location and depths of utilities should be provided in a site map and a risk assessment (Tier 1 or 2) should be provided after this investigation, presumably justifying closure.

Call me or reply if you have any comments or questions.

Sincerely,

Barney

-----Original Message-----

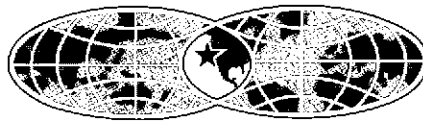
From: Rachel Hess [mailto:rhess@innovativetechsoln.com]
Sent: Friday, January 31, 2003 9:09 AM
To: Barney Chan
Cc: John Prall
Subject: Review of 1395 Middle Harbor Road UST Closure Workplan

Hi Barney and Happy New Year!

I know that your January must be quite hectic, you had indicated that you had alot on your plate when we talked before Christmas. You had indicated then that you would be able to review of the 1395 Middle Harbor Road (APL Terminal) UST Closure Workplan after the first part of January. Please let me know if you have any questions regarding the document. I am looking forward to talking with you!!

Rachel

Rachel Hess
ITSI Project Manager
2730 Shadelands Drive, Suite 100
Walnut Creek, CA 94598
925-946-3105 direct



PORT OF OAKLAND

October 14, 2002

Mr. Barney Chan
Alameda County Health Care Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-9335

Alameda County
OCT 22 2002
Environmental Health

**Subject: UST Sites Located at 1395 Middle harbor Road
Oakland, California
Fuel Leak Case RO-0000470**

Dear Mr. Chan:

Thank you for responding to the Port of Oakland's (Port) request to review the regulatory status of four underground storage tank sites situated within an active marine terminal located at 1395 Middle Harbor Road, Oakland, California. The Port has tasked Innovative Technical Solutions, Inc. (ITSI), to work on the closure request process and they will submit a work plan based upon your technical comments. The Port and ITSI intend to submit the work plan for your review and comment by November 12th. In the interim, should any questions arise, please call me at 627-1373 or contact me by e-mail at jprall@portoakland.com.

Sincerely,

John Prall, R.G.
Associate Environmental Scientist

Cc: Jeff Jones, Port of Oakland
Rachel Hess, ITSI

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

September 10, 2002

Mr. John Prall
Port of Oakland
P.O. Box 2064
Oakland, CA 94604-2064

Dear Mr. Prall:

Subject: Fuel Leak Case RO0000470, 1395 Middle Harbor Road, Oakland, CA 94607

Alameda County Environmental Health, Local Oversight Program (LOP), has reviewed the case file for the subject site in response to your consultant's inquiry on site status and determined that additional information is needed at this site prior to site closure consideration. Please address the following technical comments and submit the technical reports as requested below.

Technical Comments

USTs EF6-EF9 (1-10k and 1-5k diesel, 1-1k gasoline and 1-550 gallon waste oil)

Observations during tank removals:

- Floating product in the diesel tank pit area at ~10', one obvious hole in 500 gallon waste oil tank. Considerable TPHd left in place, APL7@5.8-11,000 ppm, APL2-1 @5.5'-5,000 ppm, APL2@4.2'-2100 ppm
- Failed to analyze soil samples for SVOCs for waste oil tank and MTBE for all tanks
- Grab groundwater sample analyzed for only VOCs not TPHg ,d, mo, metals, semi volatiles and MTBE.

Observations after soil borings and MW installed

- Did not run soil sample from B-9 because of elevated PID readings
- Plume not defined in north, east or west directions
- No gw samples analyzed from any of the borings
- No MW down gradient/within 10' of tank pit to monitor highest impacted area & to estimate impact to building occupants
- Chlorinated compounds detected in gw
- Gradient is flat and variable but is likely sw towards inner harbor
- TDS is well > than 3000 ppm, therefore, gw is not potable

Site Management Plan

- Utilities stated as not located in vicinity of former tank excavation. Need to provide a utilities map and receptor survey including nearby wells and other conduits.
- Do we need to look at borings to verify that bay mud is continuous?
- They need a formal ecological and human health risk assessment where Water Board RBSLs or other appropriate cleanup levels are evaluated against site concentrations. If residential use is possible, it must also be evaluated. The risk associated with TPH was not evaluated.

Mr. John Prall
1395 Middle Harbor Road, Oakland, CA 94607
RO0000470
September 10, 2002
Page 2

USTs EF11-EF14

Observations during tank removals

- EF14, 10k diesel UST, obvious holes in tanks and water in excavation, fuel dispensed from hose and reel pit 67' west of tank. Diesel not analyzed on water sample from pit.
- Were any of the soil samples from native or were they all sand (fill)?
- Need native soil samples and gw analysis for all required analytes including MTBE, other oxygenates and lead scavengers
- GW sample GW6/GW7 contained 5.8 mg/l diesel and 9, 8 ppb toluene and xylenes.

Concerns: soil samples not taken from native since concrete slab encountered beneath tanks. Probably can define extent of contamination using temporary borings.

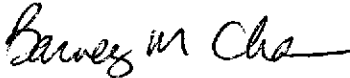
Technical Report Request

Please submit the following technical reports to our office according to the following schedule:

- October 10, 2002- Written response to this letter
- November 12, 2002- Work plan to complete site investigation

Please contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

✓ C: B. Chan, files

Ms. R. Hess, ITSI, Inc., 2730 Shadelands Drive, Ste. 100, Walnut Creek, CA 94598

Req1395MiddleHarborRd



State Water Resources Control Board



Winston H. Hickox
Secretary for
Environmental
Protection

Division of Clean Water Programs
1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5714 • FAX (916) 341-5806 • www.swrcb.ca.gov/cwphome/ustcf

Gray Davis
Governor

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website at www.swrcb.ca.gov.

JUN 28 2002

JUN 25 2002

Port Of Oakland
Wendel, Rosen, Black & Dean, Llp
Carmen King
1111 Broadway 24th Fl
Oakland, CA 94607

UNDERGROUND STORAGE TANK CLEANUP FUND (FUND), REQUEST FOR FURTHER DOCUMENTATION DURING INITIAL REVIEW: CLAIM NUMBER 017198; FOR SITE ADDRESS: 1395 MIDDLE HARBOR RD, OAKLAND

After reviewing your claim application to the Cleanup Fund, we find that the following additional information is needed to determine your eligibility for placement on the Priority List:

REQUEST FOR PERMIT WAIVER

Claimant has requested the State Water Resources Control Board (SWRCB) to grant a permit waiver in order to access the UST Cleanup Fund. One condition of the permit waiver stipulates that the claimant was unaware of the permit requirement prior to January 1, 1990 and did not intend to avoid the permit requirement or the associated fees. Per my discussion with Alameda County Environmental Health Services (County), I was informed that the County began implementing their UST Program in 1987. In 1988, the County began to notify all known UST owners of UST law and operating permit requirements.

The Port of Oakland (Port) has identified themselves as a UST owner. As a tank owner, it was the Port's responsibility to comply with all applicable permits for the operation of the subject USTs. Based on the information submitted with this claim and other claims submitted by the Port, it is evident that the Port had knowledge of UST law and the requirement to obtain operating permits. The following information appears to support claimant's knowledge of the permitting requirements:

- In 1988, an Interim Permit was issued at the following site: 5110 7th Street Terminal, Oakland
- In 1989, an Underground Tank Closure Plan was approved by the County at the following site: 265 Hegenberger Road, Oakland
- In 1989, the County reviewed the Underground Tank Closure at the following site: 801 Maritime Street, Oakland

The Petroleum Underground Storage Tank Cleanup Fund Regulations, Section 2811(B) states for claims filed on or after January 1, 1994, the claimant had and has obtained any permit or permits required of the claimant pursuant to Chapter 6.7, Division 20, of the California Health and Safety Code, or had filed a substantially complete application for such permit or permits not later than January 1, 1990. The SWRCB may waive the provisions of this subparagraph if the SWRCB finds that all conditions have been met. One condition is the claimant was unaware of the permit requirement prior to January 1, 1990. Based on the above actions by the Port, the SWRCB will not grant the Port a Permit Waiver to access the Fund since they were aware of the requirement.

REQUEST OWNER/OPERATOR PERMIT

The Port must provide supporting documentation that they were in compliance with the UST permit requirements. The documentation that would support having met the permit compliance would be an interim permit issued by the County or a substantially complete application filed for such permit or permits not later than January 1, 1990.

Listed below are the additional requirements the claimant must submit prior to the Fund making an eligibility determination.

BOARD OF EQUALIZATION FEES

Claimant is required to provide documentation that all current and prior UST fees due on or after January 1, 1991 imposed by Section 25299.41 of the Health and Safety Code have been paid. If any of the USTs owned or operated had product placed in them on or after January 1, 1991, attach the most recent copy of the UST Fee Return Form filed with the State Board of Equalization (BOE) with proof of payment (copy of canceled check).

FIRST REGULATORY DIRECTIVE

Claimant must provide a copy of **the first** letter from the local regulatory agency naming you a responsible party and directing you to clean up the contamination at the subject site.

REMOVAL PERMITS

Please submit a removal permit for the diesel underground storage tank (EF-10) listed on claim application.

CLOSURE

Provide a copy of the Closure Letter issued by the local regulator.

POWER OF ATTORNEY FOR SIGNATURE AUTHORIZATION

This is in reference to the Authorized Representative Form. In the past the Cleanup Fund allowed claimants to designate a representative to sign certain Fund documents. However, there is a concern that this procedure is not consistent with section 25299.55 of the Health and Safety Code, which requires a Fund claimant to make a sworn verification of the claim and certification of costs. Therefore, the "Authorized Representative Designation Form" is no longer being used by the Fund and we will not accept any future documents signed by the representative that was designated by such form.

We encourage claimants to sign all Fund documents personally. However, there may be circumstances where a claimant wants a representative to be able to sign Fund documents on the claimant's behalf. In this situation, the claimant must submit a notarized Power of Attorney form designating a specific representative to sign and submit documents to the Fund on the claimant's behalf. The designated

representative should not be a consultant or contractor performing work on the project site because it could create a conflict of interest.

Claimants should be aware that they will be personally responsible and bound by any assertions made to the Fund pursuant to a Power of Attorney. (An appropriate Power of Attorney form is available on our website or by request.

MAP

The map that has been provided does not show UST#5. Provide a map that shows all of the USTs.

NOTE: Failure to respond to this request within thirty (30) calendar days from the date of this letter may result in an ineligibility determination of your claim.

If you have any questions, please contact me at (916) 341-5714.

Sincerely,

ORIGINAL SIGNED BY

Shari Knieriem
Claims Review Unit
Underground Storage Tank Cleanup Fund

cc: Mr. Steve Morse
RWQCB, Region 2
1515 Clay Street, Ste. 1400
Oakland, CA 94612

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



5 Middle Harbor Rd

85 / 470



State Water Resources Control Board



Winston H. Hickox
Secretary for
Environmental
Protection

Division of Clean Water Programs
1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5714 • FAX (916) 341-5806 • www.swrcb.ca.gov/cwphome/ustcf

Gray Davis
Governor

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website at www.swrcb.ca.gov.

Port Of Oakland
Wendel, Rosen, Black & Dean, LLP
Carmen King
1111 Broadway 24th Fl
Oakland, CA 94607

UNDERGROUND STORAGE TANK CLEANUP FUND (FUND), REQUEST FOR FURTHER DOCUMENTATION DURING INITIAL REVIEW: CLAIM NUMBER 017242; FOR SITE ADDRESS: 1195 MARITIME, OAKLAND

After reviewing your claim application to the Cleanup Fund, we find that the following additional information is needed to determine your eligibility for placement on the Priority List.

REQUEST FOR PERMIT WAIVER

Claimant has requested the State Water Resources Control Board (SWRCB) to grant a permit waiver in order to access the UST Cleanup Fund. One condition of the permit waiver stipulates that the claimant was unaware of the permit requirement prior to January 1, 1990 and did not intend to avoid the permit requirement or the associated fees. Per my discussion with Alameda County Environmental Health Services (County), I was informed that the County began implementing their UST Program in 1987. In 1988, the County began to notify all known UST owners of UST law and operating permit requirements.

The Port of Oakland (Port) has identified themselves as a UST owner. As a tank owner, it was the Port's responsibility to comply with all applicable permits for the operation of the subject USTs. Based on the information submitted with this claim and other claims submitted by the Port, it is evident that the Port had knowledge of UST law and the requirement to obtain operating permits. The following information appears to support claimant's knowledge of the permitting requirements:

- In 1988, an Interim Permit was issued at the following site: 5110 7th Street Terminal, Oakland
- In 1989, an Underground Tank Closure Plan was approved by the County at the following site: 265 Hegenberger Road, Oakland
- In 1989, the County reviewed the Underground Tank Closure at the following site: 801 Maritime Street, Oakland

The Petroleum Underground Storage Tank Cleanup Fund Regulations, Section 2811(B) states for claims filed on or after January 1, 1994, the claimant had and has obtained any permit or permits required of the claimant pursuant to Chapter 6.7, Division 20, of the California Health and Safety Code, or had filed a substantially complete application for such permit or permits not later than January 1, 1990. The SWRCB may waive the provisions of this subparagraph if the SWRCB finds that all conditions have been met. One condition is the claimant was unaware of the permit requirement prior to January 1, 1990. Based on the above actions by the Port, the SWRCB will not grant the Port a Permit Waiver to access the Fund since they were aware of the requirement.

REQUEST OWNER/OPERATOR PERMIT

The Port must provide supporting documentation that they were in compliance with the UST permit requirements. The documentation that would support having met the permit compliance would be an interim permit issued by the County or a substantially complete application filed for such permit or permits not later than January 1, 1990.

Listed below are the additional requirements the claimant must submit prior to the Fund making an eligibility determination.

BOARD OF EQUALIZATION FEES

Claimant is required to provide documentation that all current and prior UST fees due on or after January 1, 1991 imposed by Section 25299.41 of the Health and Safety Code have been paid. If any of the USTs owned or operated had product placed in them on or after January 1, 1991, attach the most recent copy of the UST Fee Return Form filed with the State Board of Equalization (BOE) with proof of payment (copy of canceled check).

FIRST REGULATORY DIRECTIVE

Claimant must provide a copy of **the first** letter from the local regulatory agency naming you a responsible party and directing you to clean up the contamination at the subject site.

REMOVAL PERMITS

Please submit a removal permit for all underground storage tanks listed in claim application.

POWER OF ATTORNEY FOR SIGNATURE AUTHORIZATION

This is in reference to the Authorized Representative Form. In the past the Cleanup Fund allowed claimants to designate a representative to sign certain Fund documents. However, there is a concern that this procedure is not consistent with section 25299.55 of the Health and Safety Code, which requires a Fund claimant to make a sworn verification of the claim and certification of costs. Therefore, the "Authorized Representative Designation Form" is no longer being used by the Fund and we will not accept any future documents signed by the representative that was designated by such form.

We encourage claimants to sign all Fund documents personally. However, there may be circumstances where a claimant wants a representative to be able to sign Fund documents on the claimant's behalf. In this situation, the claimant must submit a notarized Power of Attorney form designating a specific representative to sign and submit documents to the Fund on the claimant's behalf. The designated representative should not be a consultant or contractor performing work on the project site because it could create a conflict of interest.

Claimants should be aware that they will be personally responsible and bound by any assertions made to the Fund pursuant to a Power of Attorney. (An appropriate Power of Attorney form is available on our website or by request

NOTE: Failure to respond to this request within thirty (30) calendar days from the date of this letter may result in an ineligibility determination of your claim.

If you have any questions, please contact me at (916) 341-5714.

Sincerely,

Shari Knieriem
Claims Review Unit
Underground Storage Tank Cleanup Fund

Lustis Case #: 01-0939

cc: Mr. Steve Morse
RWQCB, Region 2
1515 Clay Street, Ste. 1400
Oakland, CA 94612

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



470

Chan, Barney, Env. Health

From: SHARI KNIERIEM [SKNIERIE@cwpswrcb.ca.gov]
Sent: Wednesday, April 24, 2002 7:25 AM
To: BChan@co.alameda.ca.us
Subject: RE: THE PORT OF OAKLAND : UNAWARE OF THE PERMIT REQUIREMENTBETWEEN JANUARY 1, 1984 THRU Jan. 1, 1990

Thank you for your help. Please advise the status of my e-mail that you forwarded to Ariu Levi and Susan Hugo. Thanks, Shari

>>> "Chan, Barney, Env. Health" <BChan@co.alameda.ca.us> 04/16/02 08:49AM >>>
Shari:
I got your e mail and forwarded it to Ariu Levi and Susan Hugo for a written response.
Barney

-----Original Message-----

From: SHARI KNIERIEM [SMTP:SKNIERIE@cwpswrcb.ca.gov]
Sent: Tuesday, April 16, 2002 7:16 AM
To: Bchan@co.alameda.ca.us
Subject: THE PORT OF OAKLAND : UNAWARE OF THE PERMIT REQUIREMENTBETWEEN JANUARY 1, 1984 THRU Jan. 1, 1990

Hi Barney

The Port of Oakland (Port) has filed several claims against the Cleanup Fund. The Port of Oakland is requesting that the Fund allow them to participate in the program, granting them a Permit Waiver (Section 2811.(a)(2)(B). Which states that the Port was unaware of the permit requirement prior to January 1, 1990. (An additional comment made by the Port, per Tom Peacock, the UST Program was not initiated in the County until 1989.)

I have a letter (addressed to Alameda County) from National Car Rental, one of the Port's tenants, dated in 1985, the tenant received a copy of the UST Regulations, which became effective August 13, 1985, stating that Alameda County was going to follow the regulations and had a deadline of March 1986 to obtain approval for compliance with the regulations.

Please advise if the Port was informed regarding the UST Regulations. And when the County begin to regulate the USTs.

I do have a couple of sites where the "tenant" obtained the permit, which the permit was dated in 1988. If the Port's tenant knew about the regulation and obtained the permit, it would seem that the Port would have been informed.

Here is a list of the sites that are in question of whether the site was permitted or not and that the Port was unaware of the permit requirement:

Ben Nutter Terminal
5190 7th Street, Oakland

American President Lines
1395 Middle Harbor Road, Oakland

Handwritten: 2485 (470)

Port of Oakland
245 2nd street, Oakland

Transbay Container Terminal
707 Ferry Street, Oakland

Howard Terminal
One Market Street, Oakland

Maersk Terminal
909 Ferry Street, Berth 24

Please don't hesitate to call me if you have any questions (916)
341-5714

I would appreciate this response in writing. Thank you, Shari

Shari Knieriem
UST Cleanup Fund
(916) 341-5714
Fax (916) 341-5806
sknierie@cwpswrcb.ca.gov

LOP RECORD CHANGE REQUEST FORM

printed:
06/02/97

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

Insp: CL

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
StID : 3777 LOC:
SITE NAME: American Presidents Line DATE REPORTED :
ADDRESS : 1579 Middle Harbor Rd DATE CONFIRMED:
CITY/ZIP : Oakland 94607 MULTIPLE RPs :

SITE STATUS

CASE TYPE: CONTRACT STATUS: PRIOR CODE: EMERGENCY RESP:
RP SEARCH: 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: 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:
COMPANY NAME:
ADDRESS:
CITY/STATE:

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

Comments:

Case file transferred to Stod #2485 located at
1395 Middle Harbor Rd., Oakland Ca. There
are no USTs associated w/1579 middle harbor Rd.

#3777 closed out +
all files/info was
transferred to →

1395 Middle Harbor Rd
Oakland CA 94612
PORT OF OAKLAND

StID
2485

LOP - CHANGE RECORD REQUEST FORM

printed:
06/02/97

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: 12034
 StID : 2485 LOC:
 SITE NAME: Port of Oakland DATE REPORTED : 08/30/90
 ADDRESS : 1395 Middle Harbor Rd DATE CONFIRMED: 08/30/90
 CITY/ZIP : Oakland 94612 MULTIPLE RPs : Y

SITE STATUS

CASE TYPE: O CONTRACT STATUS: 4 PRIOR CODE:1C3 EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED: 03/23/92
 PRELIMINARY ASMNT: U DATE UNDERWAY: 04/29/93 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: 03/23/92
 LUFT FIELD MANUAL CONSID: 3HSCAW
 CASE CLOSED: DATE CASE CLOSED:
 DATE EXCAVATION STARTED : 01/06/92 REMEDIAL ACTIONS TAKEN: ET

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Attn: John Prall
 COMPANY NAME: Port Of Oakland, Environ. Dept
 ADDRESS: Po Box 2064
 CITY/STATE: Oakland Ca 94604-2064

RP#2-CONTACT NAME: N/a
 COMPANY NAME: American President Lines
 ADDRESS: 1395 Middle Harbor Rd.
 CITY/STATE: Oakland C A 94607

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only Case Progress Changes

ANPNPGMS _____ LOP _____ DATE _____ LOP _____ DATE _____

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

StId 2485/lop
February 4, 1997

Mr. John Prall
Port of Oakland
PO Box 2064
Oakland CA 94604-2064

Re: **American President Lines, 1395 Middle Harbor Rd., Oakland CA 94607**
(USTs No. EF-06, EF-07, EF-08, EF-09, EF-11, EF-12, EF-13, EF-14)

Dear Mr. Prall:

The purpose of this letter is to inform you that this office is transferring all site information and site management hours in regard to the investigations for the referenced underground storage tanks (USTs) from Site Identification No. 3777 (1579 Middle Harbor Rd.) to Site Identification No. 2485 (1395 Middle Harbor Rd.). Per my telephone conversation with you on February 3, 1997, all underground storage tanks (USTs) listed above are located at 1395 Middle Harbor Rd. and *not* 1579 Middle Harbor Rd.. In addition, you indicated that 1579 Middle Harbor Road is the location of the guard house/back gate to 1395 Middle Harbor Road and there are no USTs associated with that address.

Although this office issued a Remedial Action Completion Certificate (RACC) for UST #EF-10 on May 7, 1996 for Site Identification No. 2485 (1395 Middle Harbor Rd.), this site will be reopened until a RACC is issued for USTs No. EF-06, EF-07, EF-08, EF-09, EF-11, EF-12, EF-13, EF-14.

If you have questions concerning this matter, please call me at (510)567-6755 if you have questions.

Sincerely,

Amy Leech
Hazardous Materials Specialist

c: American President Lines, 1395 Middle Harbor Rd., Oakland CA 94607
Lori Casias, SWRCB
Kevin Graves, RWQCB
Connie Matys
ALL-file

UST Closure Plans

7/90 EF 11 → EF 14

Site Address: 1579 Middle Harbor Rd

Any tanks

4/91 01/92 EF 06 → EF 09

Site Address: 1395 Middle Harbor Rd.

Per John Prall all USTS

are @ 1395 Middle Harbor Rd

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



2485
Std 3777/lop
January 31, 1997

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Mr. John Prall
Port of Oakland
PO Box 2064
Oakland CA 94604-2064

Subject: American President Lines, 1395 Middle Harbor Rd., Oakland CA 94607

Dear Mr. Prall:

Thank you for your letter dated January 2, 1997, regarding the above described site. As you know, this office has recently reviewed the case file for this property to determine if sufficient soil and groundwater investigations and remedial actions have been completed in respect to the leaky underground storage tanks (EF-6, EF-7, EF-8, and EF-9) that were removed in 1992.

Subsequent to tank removal activities, halogenated volatile organic hydrocarbons (HVOCs) were detected in groundwater from the tank pit. Most notably, 300 ppb vinyl chloride, among other HVOCs, were detected in groundwater after the the tank pit had been pumped and allowed to recharge. Three groundwater monitoring wells were emplaced around the tank pit; MW-2 and MW-3 are located ~ 60 feet to the south and MW-1 is located ~ 60 feet to the north of the tank pit. Over a three year period of sampling (1993-1995), low levels (<2.0 ppb) of vinyl chloride have been detected in monitoring MW-1. In addition, low levels (<3.0 ppb) of DCA, DCE, and DCB have been detected in one or all of the wells.

It appears that groundwater at this site is not a viable drinking water source, and therefore, groundwater quality need not meet drinking water standards at this site in order to qualify for closure status. However, the potential for a health and safety risk from exposure to chemicals of concern left in place at this site must be evaluated, eliminated, and/or reduced as a prerequisite to closure status.

Please submit to this office a map of this site that includes a description of the land-use in the area of concern (e.g. parking lot, container storage, etc.). An evaluation should also be included with the map that identifies any potential human or ecological receptors that may be exposed to residual contamination left in groundwater at this site. Exposure via direct contact and/or inhalation of vapors should be considered when identifying a potential receptor. Finally, a site management plan must be developed and submitted to this office. The site management plan should describe how the risk of the identified exposures will be evaluated, eliminated, and/or reduced.

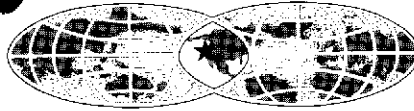
Thank you for your assistance with this matter. Please call me at (510)567-6755 if you have questions.

Sincerely,


Amy Leech

Hazardous Materials Specialist

c: ALL-file



PORT OF OAKLAND

January 2, 1997

Ms. Amy Leech
Alameda County Health Care Services Agency
Department of Environmental Health
Division of Environmental Protection
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

**SUBJECT: AMERICAN PRESIDENT LINES TERMINAL
1395 MIDDLE HARBOR ROAD
OAKLAND, CALIFORNIA
STID #3777**

2485

Dear Jennifer:

As requested the Port of Oakland (Port) has prepared this letter regarding an underground storage tank (UST) site located within the American President Lines terminal (Berth 60-63). The location is further identified as a site that previously contained Port UST's #EF-06, EF-07, EF-08, and EF-09 which were situated immediately adjacent to the east side of Port building #E-221. The area occupied by Berths 60-63 and vicinity has historically been used for maritime industrial activities since the underlying land was reclaimed from San Francisco Bay. Presently, the berths are used by American President Lines as a cargo container handling facility and will remain in use in that capacity for the foreseeable future. If the Port and/or the tenant performs any construction activities within the vicinity of the tank site, the contractor(s) will be notified as to the presence of petroleum hydrocarbons (diesel and gasoline), petroleum-related compounds (benzene, toluene, ethyl benzene, and xylenes), and chlorinated volatile organic compounds (primarily 1,1-dichloroethane and vinyl chloride) that are present as dissolved constituents in groundwater.

SMIP?

If you have any questions, please do not hesitate to call me at 272-1373.

Sincerely,

John Prall, R.G.

Associate Environmental Scientist

cc: Neil Werner

ALAMEDA COUNTY, DEPARTMENT OF
 ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

II, III

white -env. health
 yellow -facility
 pink -files

Site ID # _____ Site Name Port of Oakland Today Date 8/14/95

Site Address 1395 Middle Harbor Rd
 City Oakland Zip 94607 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. OnSite 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 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 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: _____ | |

___ 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

overex +
resample

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

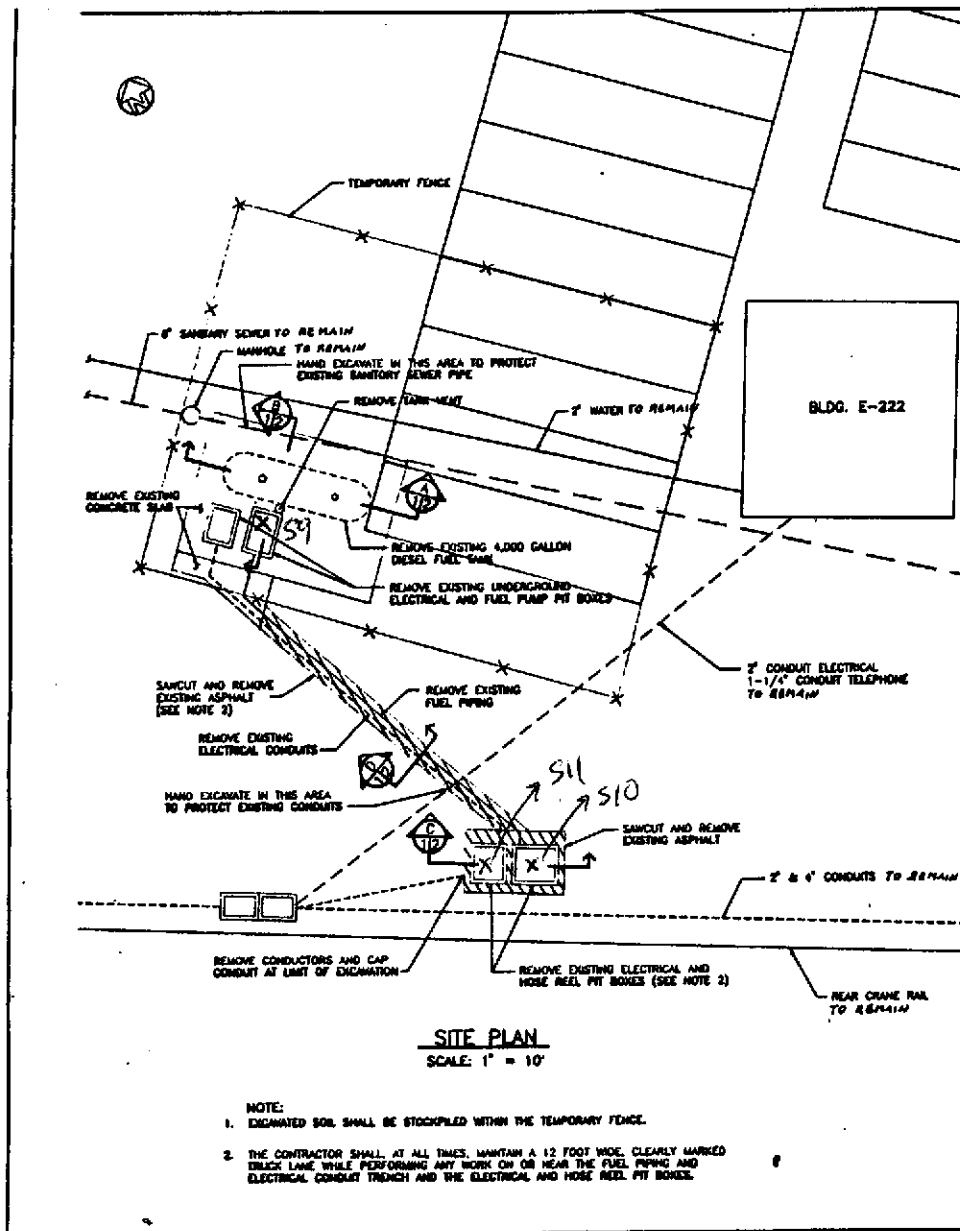
Comments:

8:40 arrived onsite
 There is gw in pit at ~ 8.5' bgs, which has a dark brown sheen. We dug below pump vault to ~ 8' bgs + resampled. The material excavated from here was all fill. Took 3 soil samples - see map. Gw will be pumped. The gw recharge should be sampled.
 9:50 left site
 Analyze for TPHd + BTEX.

Contact: _____
 Title: Project Scientist
 Signature: Dan Duran

Inspector: Jennifer Eberle
 Signature: J Eberle

II, III



8-14-95 samples
odor?
S9 8' sand no
S10 8.5' sand no
S11 8.5' sand no

Site Location:
Port of Oakland, Berth 63
1395 Middle Harbor Road, Oakland, California

Site Map

Project 7100

PACIFIC RIM ENVIRONMENTAL

Appendix A

June, 1995

ALAMEDA COUNTY, DEPARTMENT OF
ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

II, III

white -env.health
yellow -facility
pink -files

Site ID # _____ Site Name Port of Oakland Today's Date 8/7/95

Site Address 1395 Middle Harbor Rd
City Oakland Zip 94607 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. OnSite 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 Groundwater
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 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 |
| | ___ 14. As Built 2635 |

___ 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

overexcavation

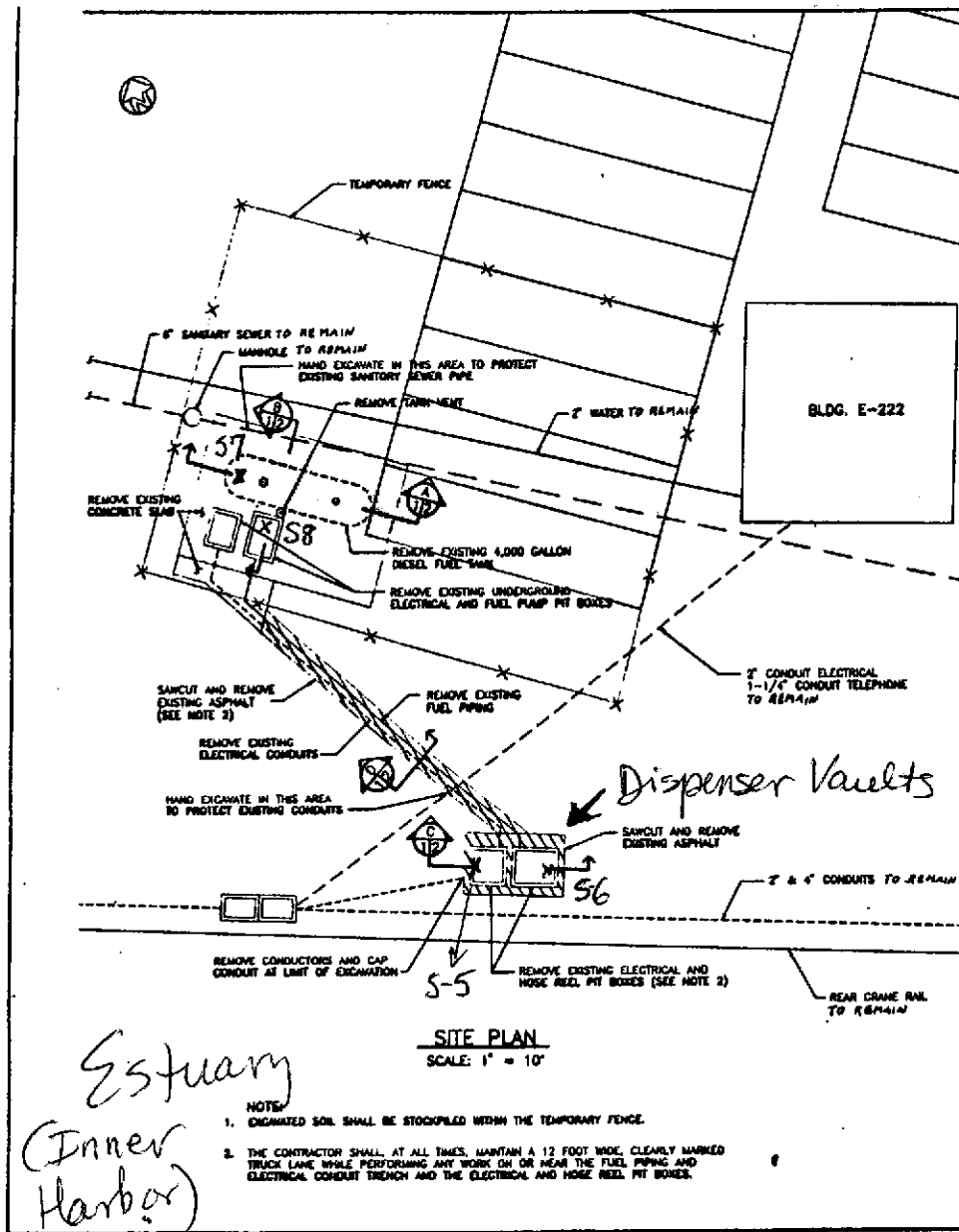
* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

1:00 arrived onsite.
Comments:
Removed dispenser vaults; bottom of vault (concrete) at 3' bgs. Soil appears contaminated below vaults greenish & HC odor. Excavated to ~6' bgs & took 2 samples (see map). 2:20 Excavated tank pit 2:55 Collected bottom sample at 14' bgs, measured straight down (vertically). That means our initial samples were more like 12' than 13' or 14' bgs. ~~Our seen entering wall at ~10 or 11' bgs.~~ 3:15 Sampled below pump vault at 7' bgs. This material looks like the same as that sampled prior (53). Analyze soil samples for TPHd + BTEX. Two new stockpiles created today (to be piled as one). This SP will be sampled as per landfill requirements. 24 hr TAT pit samples. Pits will remain open until results are in.
3:27 left site

II, III

Contact: _____
Title: Project Scientist
Signature: [Signature]

Inspector: Jennifer Eberle
Signature: [Signature]



*Estuary
(Inner Harbor)*

8-7-95 samples
under dispenser vaults

S5 6.5' bgs sand odor + moist

S6 6.5' bgs " " "

other samples

S7 14' bgs Bay mud organic (non-HC) odor

S8 7' bgs fill

maybe another map w/ street? estuary? access roads? MHRd?

Site Location:
Port of Oakland, Berth 63
1395 Middle Harbor Road, Oakland, California

Site Map

Project 7100

PACIFIC RIM ENVIRONMENTAL

June, 1995

Appendix A

JE

**ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 ENVIRONMENTAL PROTECTION DIVISION
 1131 HARBOR BAY PARKWAY, RM 250
 ALAMEDA, CA 94502-6577
 PHONE # 510/567-6700
 FAX # 510/337-9335**

Jennifer Eberke

Project Specialist

ACCEPTED

Underground Storage Tank Closure Plan

Alameda County Health Care Services Agency

Environmental Protection Division

1131 Harbor Bay Parkway, Room 250

Alameda, CA 94502-6577

Phone: 510/567-6700

Fax: 510/337-9335

J. Eberke 7-7-95

tank EF-10

UNDERGROUND TANK CLOSURE PLAN
 * * * Complete according to attached instructions * * *

- Name of Business PORT OF OAKLAND
 Business Owner or Contact Person (PRINT) BOB MANNAGIO
- Site Address BERTH 63, 1395 MIDDLE HARBOR ROAD
 city OAKLAND, CA zip 94607 Phone (510) 272-1308
- Mailing Address 530 WATER STREET, JACK LONDON'S WATERFRONT
 city P.O. BOX 2064, OAKLAND zip 94604 Phone (510) 272-1100
- Property Owner same as III.
 Business Name (if applicable) _____
 Address _____
 City, State _____ Zip _____
- Generator name under which tank will be manifested
PORT OF OAKLAND
 EPA ID# under which tank will be manifested CAC 001011344

6-28 checked license:
current + active

6. Contractor PACIFIC RIM ENVIRONMENTAL Corp. exp 7-31-96
 Address 2525 VAN NESS AVE STE 211 A, Haz Sub, S.F. Co.
 City SAN FRANCISCO, CA 94109 Phone (415) 255 0860

License Type CONTRACTORS STATE LICENCE BOARD ID# 649163
A-GENERAL ENGINEERING CONTRACTOR

*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.

7. Consultant (if applicable) _____
 Address _____
 City, State _____ Phone _____

8. Main Contact Person for Investigation (if applicable)
 Name DONALD JAMES Title PRESIDENT
 Company PACIFIC RIM ENVIRONMENTAL
 Phone (415) 255 0860 day or 415-771-2780 eve

9. Number of underground tanks being closed with this plan one (1)
 Length of piping being removed under this plan unknown
 Total number of underground tanks at this facility (**confirmed with owner or operator) 1

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

** Underground storage tanks must be handled as hazardous waste **

a) Product/Residual Sludge/Rinsate Transporter
 Name H+H ENVIRONMENTAL SERVICES EPA I.D. No. CAD 004771168
 Hauler License No. 0334 License Exp. Date Jan 31, 1996
 Address 220 CHINA BASIN
 City SAN FRANCISCO State CA Zip 94107

b) Product/Residual Sludge/Rinsate Disposal Site
 Name same as (a) EPA ID# _____
 Address _____
 City _____ State _____ Zip _____

c) Tank and Piping Transporter

Name same as (a) EPA I.D. No. _____

Hauler License No. _____ License Exp. Date _____

Address _____

City _____ State _____ Zip _____

d) Tank and Piping Disposal Site

Name same (a) EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

11. Sample Collector

Name MARC VIGGENT

Company PACIFIC RIM ENVIRONMENTAL

Address 2525 VAN NESS AVENUE STE 211

City SAN FRANCISCO State CA Zip 94109 Phone (415) 255-0860

12. Laboratory

Name MCCAMPBELL ANALYTICAL INC.

Address 110 2ND AVENUE SOUTH, #D7

City PACHECO State CA Zip 94553

State Certification No. 1644

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

If yes, describe. _____

14. Describe methods to be used FOR REMOVING TANK(S) ...

VAPOR FREEING (CO₂)

15 lb dry ice per 1000 gal UST

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 permanently plugged.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert.

15. Tank History and Sampling Information *** (see instructions) ***

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
4,000 gallons	PRODUCT: DIESEL 1962 - install date single wall	soil ground water - should it be encountered	2 samples beneath the tank at a maximum of two feet below the native soil/backfill interface 2 samples at 1/2 m below walls.

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

Excavated/Stockpiled Soil

<p>Stockpiled Soil Volume (estimated)</p> <p>20 CY.</p>	<p>Sampling Plan</p> <p>1 per 20yd³ if soil is to be reused OR as N/A per landfill why?</p>
---	---

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

Will the excavated soil be returned to the excavation immediately after tank removal? [] yes [X] no [] unknown

If yes, explain reasoning _____

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from Alameda County. This means that the contractor, consultant, or responsible party must communicate with the specialist IN ADVANCE of backfilling operations.

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.

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

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
TPH as diesel	GC/FID 3550	8015	1.0 ppm
BTEX	8020	→	0.005 ppm

18. Submit Worker's Compensation Certificate copy

Name of Insurer PIBUDO + DEFENDIS INSURANCE

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 written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

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

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that 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 approval from the Environmental Protection Division 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.

CONTRACTOR INFORMATION

Name of Business PACIFIC RIM ENVIRONMENTAL

Name of Individual TAIMI BARTY

Signature Taimi Bartly Date 6/19/95

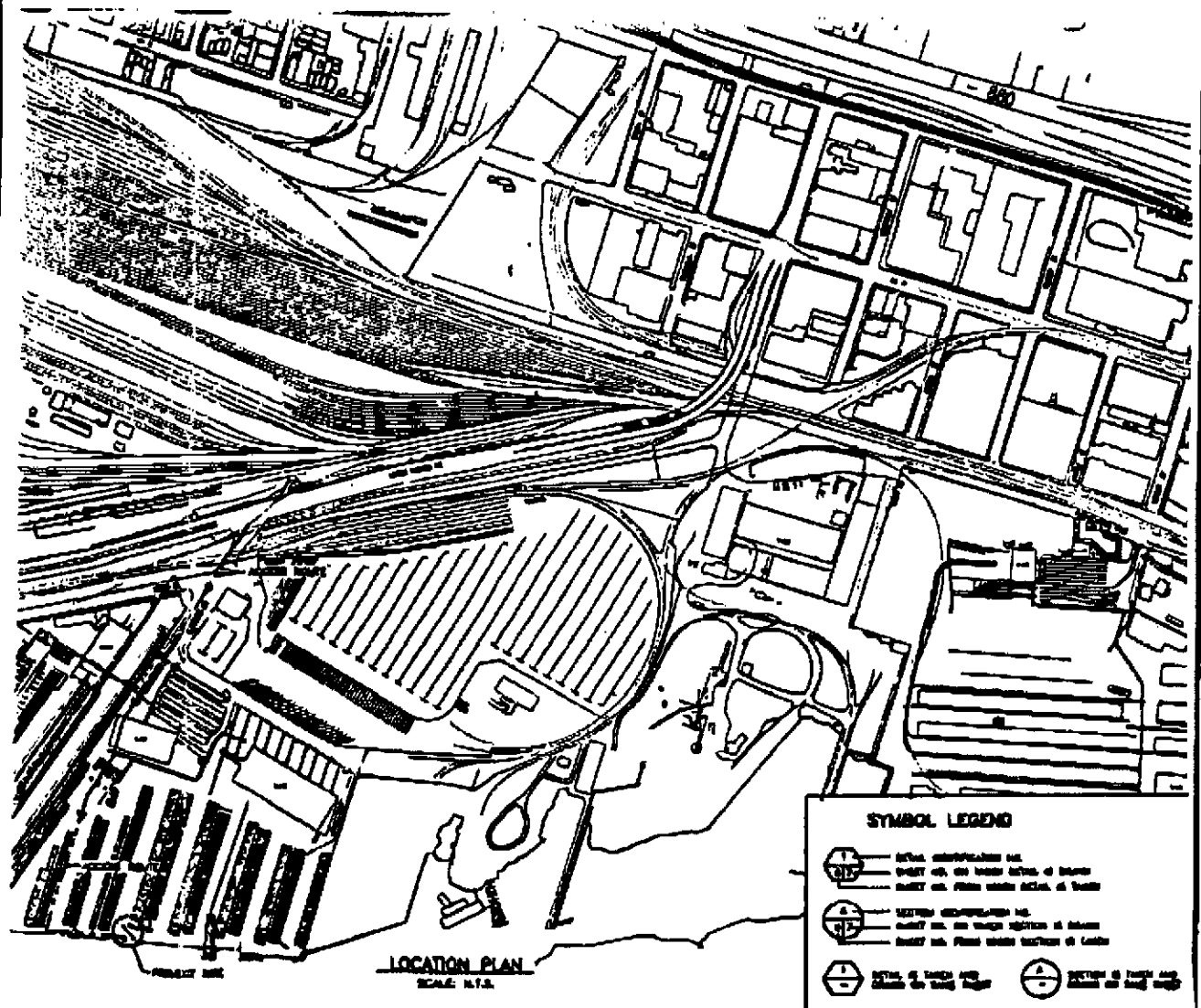
PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business PORT OF OAKLAND

Name of Individual BOB MANNAGIO

Signature Taimi Bartly REPRESENTATIVE Date 6/19/95

OF PACIFIC RIM ENVIRONMENTAL
FOR PORT OF OAKLAND



Site Location:
Port of Oakland, Berth 63
Oakland, California

Project 7100

Location Map

PACIFIC RIM ENVIRONMENTAL

July, 1995

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 checked="" type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input 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 PORT OF OAKLAND		NAME OF OPERATOR		
ADDRESS BERTH 63, 1395 MIDDLE HARBOR RD.		NEAREST CROSS STREET FERRIS STREET	PARCEL # (OPTIONAL)	
CITY NAME OAKLAND		STATE CA	ZIP CODE 94607	SITE PHONE # WITH AREA CODE (510) 272 308
<input checked="" type="checkbox"/> BOX TO INDICATE	<input type="checkbox"/> CORPORATION	<input type="checkbox"/> INDIVIDUAL	<input type="checkbox"/> PARTNERSHIP	<input checked="" 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) CAC 001011344	

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) JAMES, DONALD		PHONE # WITH AREA CODE (415) 255 0860		DAYS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE	
NIGHTS: NAME (LAST, FIRST) JAMES, DONALD		PHONE # WITH AREA CODE (415) 711 2780		NIGHTS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE	

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME PORT OF OAKLAND		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS 530 WATER STREET, JACK LONDON'S		<input checked="" type="checkbox"/> BOX TO INDICATE	<input type="checkbox"/> INDIVIDUAL	<input checked="" type="checkbox"/> LOCAL-AGENCY
CITY NAME WATERFRONT, P.O. Box 2064, OAKLAND		<input type="checkbox"/> CORPORATION	<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> STATE-AGENCY
		<input type="checkbox"/> COUNTY-AGENCY	<input type="checkbox"/> FEDERAL-AGENCY	
STATE CA	ZIP CODE 94604	PHONE # WITH AREA CODE (510) 272-1100		

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER PORT OF OAKLAND		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS 530 WATER STREET, JACK LONDON'S		<input checked="" type="checkbox"/> BOX TO INDICATE	<input type="checkbox"/> INDIVIDUAL	<input checked="" type="checkbox"/> LOCAL-AGENCY
CITY NAME WATERFRONT, P.O. Box 2064, OAKLAND		<input type="checkbox"/> CORPORATION	<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> STATE-AGENCY
		<input type="checkbox"/> COUNTY-AGENCY	<input type="checkbox"/> FEDERAL-AGENCY	
STATE CA	ZIP CODE 94604	PHONE # WITH AREA CODE (510) 272-1100		

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 checked="" 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) TAIMI BARTY Taimi Bartly	APPLICANT'S TITLE PROJECT MANAGER	DATE MONTH/DAY/YEAR 06/20/95
---	---	--

LOCAL AGENCY USE ONLY

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



FAX FROM:

HEADQUARTERS

2525 Van Ness Ave.
Suite 211
San Francisco
California 94109

Taimi Barty
Pacific Rim Environmental
2525 Van Ness Avenue, Suite 211
San Francisco, CA 94109
Phone: (415) 255-0860
Fax: (415) 431-0334

Post Office Box 192972
San Francisco
California 94119

TO: Jennifer Aberly: Alameda County Health

FAX: 510-337-9335

NO. OF PAGES 8

DATE: 7-5-95

Phone: 415-255-0860
Fax: 415-431-0334

Message:

Enclosed please find the amended version of the Underground Tank Closure Plan with the appropriate signature. Also, per your request, I am faxing another map of the subject site and the surrounding area. Please let me know if everything is okay. Thank you for your time. Regards, Taimi

BRANCH OFFICE

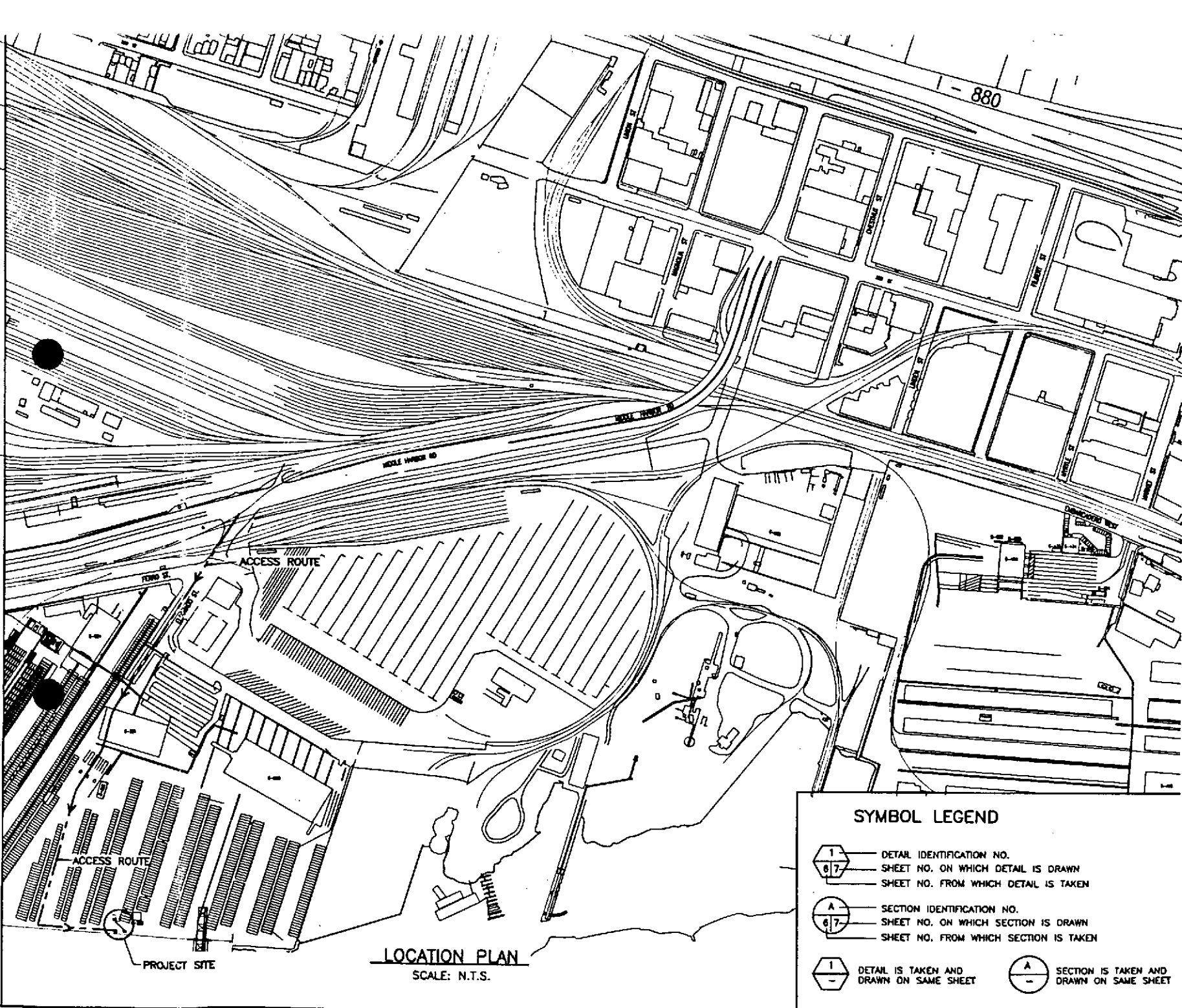
3101 Sillect Ave.
Suite 105
Bakersfield
California 93308







Phone: 805-326-0173
Fax: 805-326-0527

JOHN LAMB
Director of Operations

2525 Van Ness Ave. Suite 211
San Francisco, CA 94109
800-469-8265
415-255-0860
Fax: 415-431-0334



SYMBOL LEGEND

- 
 DETAIL IDENTIFICATION NO.
 SHEET NO. ON WHICH DETAIL IS DRAWN
 SHEET NO. FROM WHICH DETAIL IS TAKEN
- 
 SECTION IDENTIFICATION NO.
 SHEET NO. ON WHICH SECTION IS DRAWN
 SHEET NO. FROM WHICH SECTION IS TAKEN
- 
 DETAIL IS TAKEN AND DRAWN ON SAME SHEET
- 
 SECTION IS TAKEN AND DRAWN ON SAME SHEET

Location Map
 Berth 63
 1395 Middle Harbor Road
 Oakland, CA

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Port of Oakland, berth 63 Today's Date 7/24/95
Site Address 1395 Middle Harbor Rd.
City Oakland Zip 94607 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?
Inspection Categories:
 I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 II. Hazardous Materials Business Plan, Acutely Hazardous Materials
 III. Under ground Storage Tanks

Removal of 4,000 diesel UST. tank EF-10

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C) manifest # 93480403

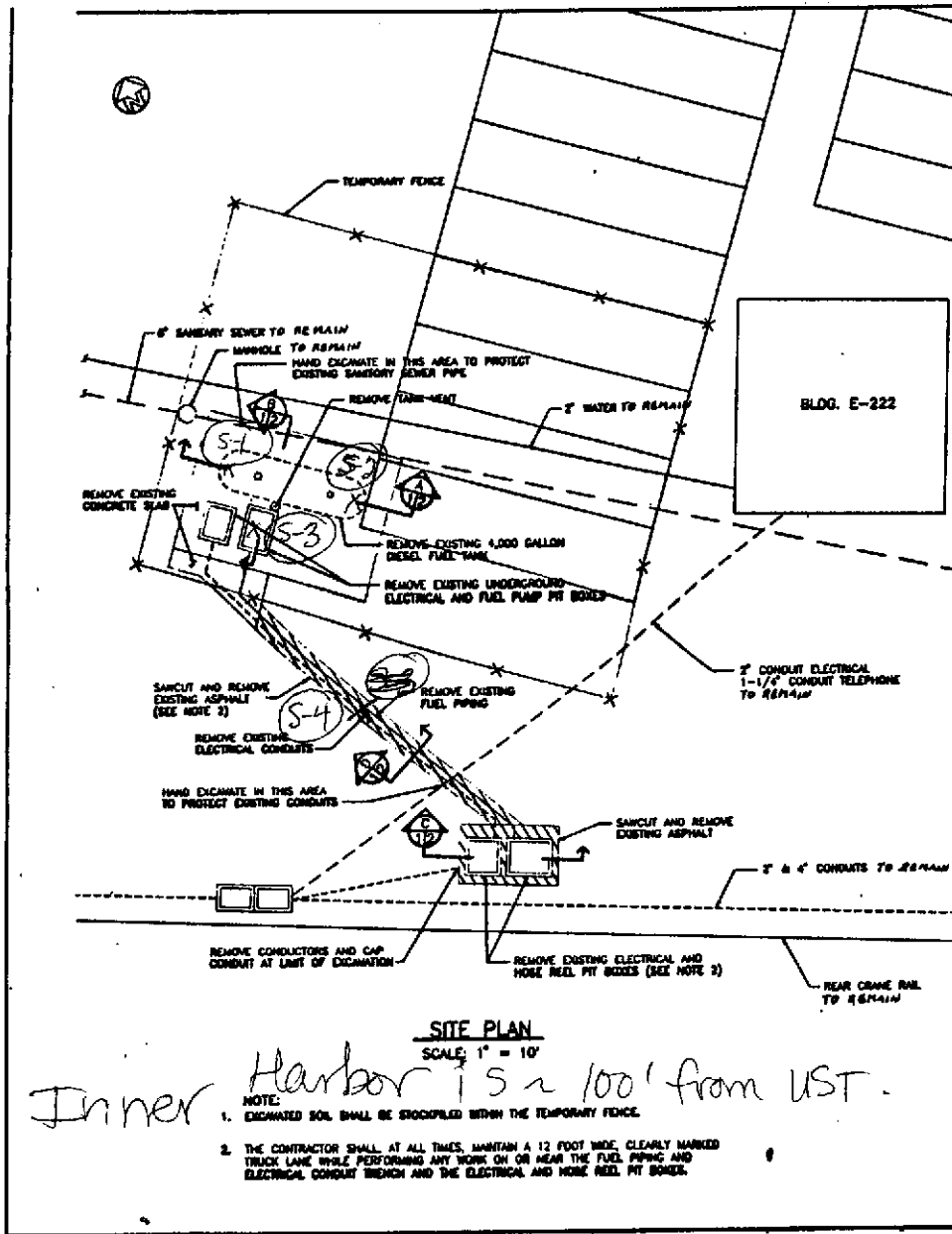
Comments:

1:23 arrived onsite.
1:30 Gil Cody of OPD arrived. Mr. Vigigante said
they pumped ~400 gal diesel out of UST this am.
The Inner Harbor is ~100' from the UST. 2:00 Removal of UST:
tar wrapped; no obvious holes. Fill end is on East end.
UST bottom is ~12' bgs. UST hauled by H+H (manifest
95208549). 2:35 began sample. The sandy backfill
appears ^{heavily} contaminated, but there appears to be "native"
clay beyond the backfill (at ~14' bgs). See attached map
for sample locations. We'll remove the dispenser vaults
another day + sample below them. 3:10 Began breaking
the concrete vault holding the pump. There was no dispenser;
just a pump -> piping ~20-30' -> dispenser vaults (below ground).
4:10 sampled below pump vault. (S13)
4:20 left site

Contact Dale Swain
Title Project Scientist
Signature Dale Swain

Inspector Jennifer Eberle
Signature J Eberle

II, III



7-24-95

S-1 ~~14'~~ 13.5' clay + sandy backfill w/ odor + stain
 S-2 14' native clay organic odor Bay Mud
 S-4 below piping 3'
 S-3 below pump vault 2 1/2'



MARK VIGEANT
Operations Manager

145 Natoma Street, 3rd Floor
San Francisco, CA 94105

415-284-9674
800-469-8265
Fax: 415-284-9677

Site Location:
Port of Oakland, Berth 63
1395 Middle Harbor Road, Oakland, California

PACIFIC RIM ENVIRONMENTAL
June, 1995

Site Map

Project 7100

Appendix A

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

May 16, 1995

STID ~~3777~~ 2485

Attn: Susa Gates
Port of Oakland
530 Water St.
Oakland CA 94604-2064

RE: American President Lines site, 1395 or ~~1579~~ Middle Harbor Rd., Oakland CA 94607

Dear Susa,

I am in receipt of your letter dated 4/18/95, and the attached Groundwater Sampling report, prepared by Geomatrix, dated 4/6/95. Your letter includes a request for reduction in sampling frequency and types of analyses. **Your request for a reduction in sample analyses is acceptable. Please note that this sampling analysis reduction was already found acceptable, by letter sent to the attention of Neil Werner, dated 2/2/95. I have included a copy of that letter for your reference.**

Future sampling will be as follows: TPHg, TPHd, BTEX and VOCs (by 8010) for MW1; TPHd and VOCs (by 8010) for MW2; TPHd and VOCs (by 8010) for MW3.

In addition, your request for reduced sampling frequency is acceptable. Future sampling will be semi-annually, in spring and fall.

If you have any questions, please contact me at 510-567-6761.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Sally Goodin, Geomatrix, 100 Pine St., 10th Floor, San Francisco CA 94111
Bill Reynolds/file

je.3777-B
attachment

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH

ALAMEDA COUNTY CC4580
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577

February 2, 1995

STID ~~3777~~ 2485

Neil Werner
Port of Oakland
530 Water ST.
Oakland CA 94607

RE: American President Lines, Berth 60-63, 1395 Middle Harbor
Rd., Oakland CA 94607

Dear Mr. Werner,

We are in receipt of the 11/3/95 Quarterly Report prepared by Geomatrix. This report documents groundwater sampled on 8/23/94. According to the data submitted, there have been four quarters of ND for TOG in MW1, and five quarters in MW2 and MW3. In addition, BTEX has been ND for six consecutive quarters in MW3. In order to avoid unnecessary expenditures on your behalf, it would be acceptable to omit analyses for these constituents in these wells in future sampling events.

It has been noted that the laboratory reports the TPH-diesel as not matching the typical diesel pattern, and that the sample appears to be oil. Please address this issue in the next quarterly report.

Please note that with the exception of closure reports, routine reports and documents no longer need to be copied to the Regional Water Quality Control Board. Kindly submit a cover letter with your consultant's reports. If you have any questions, please contact me at 510-567-6761.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: James Abitz, Geomatrix, 100 Pine St., 10th Floor, San
Francisco CA 94111
Ed Howell/file

je.3777-A

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

March 23, 1994

STID ~~3771~~ 2485

Jon Amdur
Port of Oakland
530 Water ST.
Oakland CA 94607

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

RE: American President Lines, Berth 60-63, 1395 Middle Harbor
Rd., Oakland CA 94607

Dear Mr. Amdur,

We are in receipt of the 2/7/94 Quarterly Report prepared by Geomatrix. This report documents groundwater sampled on 11/24/93. Your consultants proposes discontinuing sampling of TOG. We disagree with this because we have not yet encountered four consecutive quarters of ND concentrations. In addition, the laboratory reported "heavier hydrocarbons" for the TPH-d samples taken on 5/11/93. The laboratory also reported "sample appears to be oil" for the TPH-d samples taken on 8/19/93.

However, it would be acceptable to discontinue sampling of TPH-g and BTEX in MW-2, and TPH-g in MW-3, based on four consecutive quarters of ND concentrations in those two wells.

Please note the typographical errors on Table 2: TPH-d should read 840 ppb for 8/19/93, and TOG should read ND for 8/19/93.

Please note that with the exception of closure reports, routine reports and documents no longer need to be copied to the Regional Water Quality Control Board. Kindly submit a cover letter with your consultant's reports. If you have any questions, please contact me at 510-271-4530.

Please notify me at least 2 business days in advance of field activities so that I may arrange to be onsite.

Sincerely,

A handwritten signature in cursive script, appearing to read 'J. Eberle'.

Jennifer Eberle
Hazardous Materials Specialist

cc: Elizabeth Wells, Geomatrix, 4721 Tidewater Ave., Suite C,
Oakland CA 94614
Ed Howell/file

je

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

November 13, 1992

STID ~~3777~~ 2485

Port of Oakland
530 Water St.
Oakland CA 94607
Attn: Neil Werner

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

RE: American President Lines Terminal
1395 Middle Harbor Rd.
Oakland CA 94607

Dear Mr. Werner,

We have received the "Work Plan for the Site Investigation" for the above referenced site, prepared by Geomatrix Consultants, dated October 1992. This workplan is acceptable, and may be implemented with the following modifications:

1. Section 3.1--standard method 5520 E & F should be utilized for Total Oil & Grease (instead of TPH as oil by EPA Method 8015) for soil samples
2. Section 3.1--EPA Method 8270 should be included for soil samples taken from the boring closest to the former waste oil tank in the downgradient direction
3. Section 3.3--standard method 5520 C & F should be utilized for Total Oil & Grease (instead of TPH as oil) for water samples

Be advised that soil cuttings and purged groundwater must be properly characterized and disposed accordingly. Hazardous wastes may not be stored onsite for more than 90 days without a storage permit.

If you have any questions, please contact me at 510-271-4530.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Elizabeth Wells, Geomatrix Consultants, Inc., 100 Pine St.,
10th Floor, San Francisco CA 94111
Rich Hiett, RWQCB
Ed Howell/File

je

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 _____ Today's Date 11/8/92
 Site Address 1395 Middle Harbor EPA ID# _____
 City Oakland Zip 94 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)

IA GENERATOR (Title 22)

- | | | |
|-------------------|--|---------|
| Manifest | <input type="checkbox"/> 1. Waste ID | * 66471 |
| | <input type="checkbox"/> 2. EPA ID | 66472 |
| | <input type="checkbox"/> 3. > 90 days | 66508 |
| | <input type="checkbox"/> 4. Label dates | 66508 |
| | <input type="checkbox"/> 5. Biennial | 66493 |
| Misc. | <input type="checkbox"/> 6. Records | 66492 |
| | <input type="checkbox"/> 7. Correct | 66484 |
| | <input type="checkbox"/> 8. Copy sent | 66492 |
| | <input type="checkbox"/> 9. Exception | 66484 |
| | <input type="checkbox"/> 10. Copies Rec'd | 66492 |
| Prevention | <input type="checkbox"/> 11. Treatment | 66371 |
| | <input type="checkbox"/> 12. On-site Disp. (H.S.&C.) | 26189.5 |
| | <input type="checkbox"/> 13. Ex Haz. Waste | 66570 |
| Contn. Agency | <input type="checkbox"/> 14. Communications | 67121 |
| | <input type="checkbox"/> 15. Aisle Space | 67124 |
| | <input type="checkbox"/> 16. Local Authority | 67126 |
| | <input type="checkbox"/> 17. Maintenance | 67120 |
| | <input type="checkbox"/> 18. Training | 67105 |
| Containers, Tanks | <input type="checkbox"/> 19. Prepared | 67140 |
| | <input type="checkbox"/> 20. Name List | 67141 |
| | <input type="checkbox"/> 21. Copies | 67141 |
| | <input type="checkbox"/> 22. Emg. Coord. Trng. | 67144 |
| | <input type="checkbox"/> 23. Condition | 67241 |
| | <input type="checkbox"/> 24. Compatibility | 67242 |
| | <input type="checkbox"/> 25. Maintenance | 67243 |
| | <input type="checkbox"/> 26. Inspection | 67244 |
| | <input type="checkbox"/> 27. Buffer Zone | 67246 |
| | <input type="checkbox"/> 28. Tank Inspection | 67259 |
| | <input type="checkbox"/> 29. Containment | 67245 |
| | <input type="checkbox"/> 30. Safe Storage | 67261 |
| | <input type="checkbox"/> 31. Freeboard | 67257 |

Comments:

observed removal of 2 UGT

1) 500 gallon waste oil

LEL 0% O₂ = 0%

One obvious hole in side of tank

One composite soil sample collected from soil around waste oil tank

2) 5,000 gal diesel

LEL 1%, O₂ 3%

No obvious holes in tanks

Sampling of sidewalls to be completed on 1/9/93 on completion of further excavation,

composite samples of soil excavated from pit to be collected for bioremediation

characterization

IB TRANSPORTER (Title 22)

- | | | |
|----------|--|-------|
| Manifest | <input type="checkbox"/> 32. Applic./Insurance | 66428 |
| | <input type="checkbox"/> 33. Comp. Cert./CHP Insp. | 66448 |
| | <input type="checkbox"/> 34. Containers | 66465 |
| Cont'n | <input type="checkbox"/> 35. Vehicles | 66465 |
| | <input type="checkbox"/> 36. EPA ID #s | 66531 |
| | <input type="checkbox"/> 37. Correct | 66541 |
| | <input type="checkbox"/> 38. HW Delivery | 66543 |
| | <input type="checkbox"/> 39. Records | 66544 |
| | <input type="checkbox"/> 40. Name/ Covers | 66545 |
| | <input type="checkbox"/> 41. Recyclables | 66800 |

Rev 6/88

Contact: _____

Title: _____

Signature: _____

Inspector: _____

Signature: *[Signature]*

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 APL Today's Date 1/21/92
 Site Address 1395 Middle Harbor EPA ID# _____
 City Oakland Zip 94607 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)

- | | | |
|-------------------|--|---------|
| Manifest | <input type="checkbox"/> 1. Waste ID | 66471 |
| | <input type="checkbox"/> 2. EPA ID | 66472 |
| | <input type="checkbox"/> 3. > 90 days | 66508 |
| | <input type="checkbox"/> 4. Label dates | 66508 |
| | <input type="checkbox"/> 5. Biennial | 66493 |
| | <input type="checkbox"/> 6. Records | 66492 |
| | <input type="checkbox"/> 7. Correct | 66484 |
| | <input type="checkbox"/> 8. Copy sent | 66492 |
| | <input type="checkbox"/> 9. Exception | 66484 |
| | <input type="checkbox"/> 10. Copies Rec'd | 66492 |
| Misc. | <input type="checkbox"/> 11. Treatment | 66371 |
| | <input type="checkbox"/> 12. On-site Disp. (H.S.&C.) | 26189.5 |
| | <input type="checkbox"/> 13. Ex Haz. Waste | 66570 |
| Prevention | <input type="checkbox"/> 14. Communications | 67121 |
| | <input type="checkbox"/> 15. Aisle Space | 67124 |
| | <input type="checkbox"/> 16. Local Authority | 67126 |
| | <input type="checkbox"/> 17. Maintenance | 67120 |
| | <input type="checkbox"/> 18. Training | 67105 |
| Contn. Gen'cy | <input type="checkbox"/> 19. Prepared | 67140 |
| | <input type="checkbox"/> 20. Name List | 67141 |
| | <input type="checkbox"/> 21. Copies | 67141 |
| | <input type="checkbox"/> 22. Emg. Coord. Trng. | 67144 |
| Containers, Tanks | <input type="checkbox"/> 23. Condition | 67241 |
| | <input type="checkbox"/> 24. Compatibility | 67242 |
| | <input type="checkbox"/> 25. Maintenance | 67243 |
| | <input type="checkbox"/> 26. Inspection | 67244 |
| | <input type="checkbox"/> 27. Buffer Zone | 67246 |
| | <input type="checkbox"/> 28. Tank Inspection | 67259 |
| | <input type="checkbox"/> 29. Containment | 67245 |
| | <input type="checkbox"/> 30. Safe Storage | 67261 |
| | <input type="checkbox"/> 31. Freeboard | 67257 |

Comments:

1) observed removal of ~~45~~ T's

if 10,000 gal diesel, no obvious holes but soil heavily stained and floating product on groundwater at a depth of ~ 10'

2) 1,000 gal gas LEL 10% O₂ 15%
 A large hole was placed in the tank while uncovering it

I.B TRANSPORTER (Title 22)

- | | | |
|----------|--|-------|
| Manifest | <input type="checkbox"/> 32. Applic./Insurance | 66428 |
| | <input type="checkbox"/> 33. Comp. Cert./CHP Insp. | 66448 |
| | <input type="checkbox"/> 34. Containers | 66465 |
| | <input type="checkbox"/> 35. Vehicles | 66465 |
| | <input type="checkbox"/> 36. EPA ID #s | 66531 |
| | <input type="checkbox"/> 37. Correct | 66541 |
| | <input type="checkbox"/> 38. HW Delivery | 66543 |
| | <input type="checkbox"/> 39. Records | 66544 |
| Cont'rs | <input type="checkbox"/> 40. Name/ Covers | 66545 |
| | <input type="checkbox"/> 41. Recyclables | 66800 |

Rev 6/88

Contact: _____

Title: _____

Signature: _____

Inspector: _____

Signature: _____

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 APL Today's Date 1/7/92
 Site Address 1395 Middle Harbor EPA ID# _____
 City Oakland Zip 94607 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)

- | | | |
|------------------------------------|--|---------|
| Manifest | <input type="checkbox"/> 1. Waste ID | 66471 |
| | <input type="checkbox"/> 2. EPA ID | 66472 |
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| | <input type="checkbox"/> 5. Biennial | 66493 |
| Manifest | <input type="checkbox"/> 6. Records | 66492 |
| | <input type="checkbox"/> 7. Correct | 66484 |
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| | <input type="checkbox"/> 13. Ex Haz. Waste | 66570 |
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| | <input type="checkbox"/> 15. Aisle Space | 67124 |
| | <input type="checkbox"/> 16. Local Authority | 67126 |
| | <input type="checkbox"/> 17. Maintenance | 67120 |
| | <input type="checkbox"/> 18. Training | 67105 |
| Contingency | <input type="checkbox"/> 19. Prepared | 67140 |
| | <input type="checkbox"/> 20. Name List | 67141 |
| | <input type="checkbox"/> 21. Copies | 67141 |
| | <input type="checkbox"/> 22. Eng. Coord. Trng. | 67144 |
| Containers, Tanks | <input type="checkbox"/> 23. Condition | 67241 |
| | <input type="checkbox"/> 24. Compatibility | 67242 |
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| I.B. TRANSPORTER (Title 22) | | |
| | <input type="checkbox"/> 32. Applic./Insurance | 66428 |
| | <input type="checkbox"/> 33. Comp. Cert./CHP Insp. | 66448 |
| | <input type="checkbox"/> 34. Containers | 66465 |
| Manifest | <input type="checkbox"/> 35. Vehicles | 66465 |
| | <input type="checkbox"/> 36. EPA ID #s | 66531 |
| | <input type="checkbox"/> 37. Correct | 66541 |
| | <input type="checkbox"/> 38. HW Delivery | 66543 |
| | <input type="checkbox"/> 39. Records | 66544 |
| Cont'ra | <input type="checkbox"/> 40. Name/ Covers | 66545 |
| | <input type="checkbox"/> 41. Recyclables | 66800 |

Comments:

2 Tank EF6-EF9

Observed removal of ~~46~~ T's

1) 10,000 gal diesel, no obvious holes but soil heavily stained and floating product on groundwater at a depth of ~ 10'

2) 1,000 gal gas LEL 10% O₂ 15%
A large hole was placed in the tank while uncovering it

Rev 6/88

Contact: _____

Title: _____

Signature: _____

Inspector: _____

Signature: _____

6. Contractor Tank Protect Engineering of Northern California
Address 2821 Whipple Road
City Union City, CA 94587-1233 Phone (510) 429-8088
License Type A ID# 575837

7. Consultant Geomatrix Consultants
Address 100 Swan Way, Suite 100
City Oakland, CA Phone (510) 957-9557

8. Contact Person for Investigation
Name Jon Amdur Title Asst. Env. Scientist
Phone (510) 272-1184

9. Number of tanks being closed under this plan 4
Length of piping being removed under this plan 50
Total number of tanks at facility 4

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 Excel Trans. EPA I.D. No. CAD981982663
Hauler License No. 2283 License Exp. Date 12/31/91
Address 290 West Channel Road
City Benicia State CA Zip 94510

b) Product/Residual Sludge/Rinsate Disposal Site

Name Enviro. Safe Services EPA I.D. No. IDD073114654
Address P.O. Box 417
City Boise State Idaho Zip 83701-0417

c) Tank and Piping Transporter

Name Erickson, Inc. EPA I.D. No. CAD009466392
Hauler License No. 0019 License Exp. Date 5/92
Address 255 Parr Blvd.
City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name Erickson, Inc. EPA I.D. No. CAD009466392
Address 255 Parr Blvd.
City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name Phil Tringale
Company Geomatrix Consultants
Address 100 Swan Way, Suite 100
City Oakland State CA Zip 94111 Phone (510) 957-9557

12. Laboratory

Name GTTEL Environmental Laboratories
Address 4080 Pike Lane
City Concord State CA Zip 94520
State Certification No. 194

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

If yes, describe. No leaks documented.

14. Describe methods to be used for rendering tank inert

Use 15 lbs. of dry ice per each 1,000 gallon capacity for each tank.

Verify with on-site LEL meter.

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)		
1,000 gallon	Gasoline (EF-08)	Soil	One sample at each end of the tank pit, max. of 2 ft. below the tank pit.
10,000 gallon	Diesel (EF-06)	Soil	" "
5,000 gallon	Diesel (EF-07)	Soil	" "
550 gallon	Waste Oil (EF-09)	Soil	One sample at fill or pump end of the tank.
	Piping	Soil	One sample every 20 lineal feet, or under swing joint dispenser.
	Groundwater to be sampled if encountered.		

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

<p>Stockpiled Soil Volume (Estimated)</p>	<p align="center">Sampling Plan</p> <p>One sample for every 20 cubic yards maximum or 1 sample every 50 cubic yards minimum.</p>
---	---

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
Gasoline TPHG BTEX	EPA 5030 EPA 5030	GCFID 8020/8240	1ppm .005ppm
Diesel TPHD BTEX	EPA 3550 EPA 5030	GCFID 8020/8240	1ppm .005ppm
Waste Oil TPHG TPHD BTEX O & G CL CH METALS <i>Pb, PCP, PPA, creosote</i>	EPA 5030 EPA 3550 EPA 5030 EPA SM 5520 E & F (Gravimetric) EPA 5030 AA <i>cd, cr, Ni, Zn, Pb</i>	GCFID GCFID 8020/8240 8010/8240 <i>8270</i>	1ppm 1ppm .005ppm
If groundwater encountered:	TPHG 5030/GCFID TPHD 3510/GCFID BTEX 5030/602 or 624		

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

18. Submit Worker's Compensation Certificate copy

Name of Insurer STATE COMPENSATION INSURANCE FUND

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) JAFAR FARHOOMAND

Signature Jafar Farhoomand

Date 11/12/91

Signature of Site Owner or Operator

Name (please type) DAVID McANENY PORT OF OAKLAND

Signature David McAneny

Date 11-13-91

TANK PROTECT ENGINEERING OF NORTHERN CALIFORNIA, INC.
SITE SAFETY PLAN

Site Middle Harbor Terminal, Oakland, CA Project Number 200

Original Site Safety Plan: Yes () No () Revision Number _____

Plan Prepared by Tank Protect Engineering Date 10/21/91

Plan Approved by _____ Date 10/21/91

Please respond to each item as completely as possible. Where an item is not applicable, please mark "N/A".

1. KEY PERSONNEL AND RESPONSIBILITIES

(Include name, telephone number and health and safety responsibilities; i.e., project manager - Joe Smith - responsible for supervision of all site activities.)

Project Manager Lyle Travis

Site Safety Manager Ahmad Shah

Alternate Site Safety Manager Lyle Travis

Field Team Members Tom Norvell

Lyle Travis

Ahmad Shah

Agency Reps: [Please specify by one of the following symbols:
Federal: (F), State: (S), Local: (L)
Contractor(s): (C)

(L) Oakland Fire Department Rep.

(L) Alameda County Health Care Services Agency Rep.

TPE SITE SAFETY PLAN

2. JOB HAZARD ANALYSIS

2.1 OVERALL HAZARD EVALUATION

Hazard Level: High () Moderate (X) Low () Unknown ()

Hazard Type: Liquid () Solid () Sludge () Vapor/Gas (X)

Known or suspected hazardous materials present on site
SEE BELOW; GASOLINE VAPORS CONTAIN BENZENE, TOLUENE, XYLENE,

ETHYLBENZENE

Characteristics of hazardous materials included above
(complete for each chemical presents):

MATERIAL #1	Corrosive ()	Ignitable (X)	Toxic (X)
	Reactive ()	Volatile (X)	Radioactive ()
	Biological Agent ()		
Exposure Routes:	Inhalation (X)	Ingestion ()	Contact (X) SKIN & MUCOUS MEMBRANE
MATERIAL #2	Corrosive ()	Ignitable ()	Toxic ()
	Reactive ()	Volatile ()	Radioactive ()
	Biological Agent ()		
Exposure Routes:	Inhalation ()	Ingestion ()	Contact ()
MATERIAL #3	Corrosive ()	Ignitable ()	Toxic ()
	Reactive ()	Volatile ()	Radioactive ()
	Biological Agent ()		
Exposure Routes:	Inhalation ()	Ingestion ()	Contact ()
MATERIAL #4	Corrosive ()	Ignitable ()	Toxic ()
	Reactive ()	Volatile ()	Radioactive ()
	Biological Agent ()		
Exposure Routes:	Inhalation ()	Ingestion ()	Contact ()

TPE SITE SAFETY PLAN

2.2 JOB-SPECIFIC HAZARDS

For each labor category specify the possible hazards based on information available (i.e., Task-driller, Hazards-trauma from drill rig accidents, etc.) For each hazard, indicate steps to be taken to minimize the hazard.

TASK - TANK REMOVAL; HAZARD - GASOLINE VAPOR EXPLOSION

TO MINIMIZE - USE 15LB OF DRY ICE PER 1,000 GALLON

CAPACITY TO INERT VAPOR PRESENT IN TANK

The following additional hazards are expected on site (i.e., snake infested area, extreme heat, etc.):

Measures to minimize the effects of the additional hazards are:

3. MONITORING PLAN

3.1 (a) Air Monitoring Plan

Action levels for implementation of air monitoring. Action levels should be based on published data available on contaminants of concern. Action levels should be set by persons experienced in industrial hygiene.

Level (i.e., .5ppm)	Action Taken (i.e., commence perimeter monitoring)
<hr/>	<hr/>
<hr/>	N/A
<hr/>	<hr/>

TPE SITE SAFETY PLAN

(b) Air Monitoring Equipment

Outline the specific equipment to be used, calibration method, frequency of monitoring, locations to be monitored, and analysis of samples (if applicable).

AIR MONITORING WILL BE DONE BY USING GASTECH MODEL 1314,

HEXANE WILL BE USED FOR CALIBRATION OF THE GASTECH.

If air monitoring is not to be implemented for this site, explain why:

THIS CASE INVOLVES ONLY TANK REMOVAL

3.2 Personnel Monitoring
(Include hierarchy of responsibilities decision making on the site)

SAFETY OFFICER ADVISES FIELD MANAGER WHO DELEGATES

RESPONSIBILITIES TO INDIVIDUAL TEAM WORKERS.

3.3 Sampling Monitoring

(a) Techniques used for sampling

INSERT A PROBE INSIDE THE TANK TO DETERMINE

LEL AND OXYGEN LEVELS

TPE SITE SAFETY

(b) Equipments used for sampling GASTECH MODEL 1314

1 - HYDROCARBON SUPER SURVEYOR

2 - BRASS SLEEVE AND SAMPLER WITH HAMMER

(c) Maintenance and calibration of equipments _____

USE HEXANE FOR CALIBRATION

EQUIPMENT WILL BE CALIBRATED PRIOR TO OPERATION.

4. PERSONAL PROTECTIVE EQUIPMENT (PPE)

Equipment used by employees for the site tasks and operations being conducted. Be Specific (i.e., hard hat, impact resistance goggles, other protective glove, etc.).

HARD HAT, PROTECTIVE GLOVES

5. SITE CONTROL AND SECURITY MEASURES

The following general work zone security guidelines should be implemented:

- Work zone shall be barricaded and caution tape used.
- Excavations shall be closed when drilling and sampling activities are not actually taking place.
- No excavations shall be left unattended. Visitors will not enter the work zone unless they have attended a project safety briefing.
- Persons will not leave the work zone without first passing through the decontamination zone.

TPE SITE SAFETY PLAN

6. DECONTAMINATION PROCEDURE

List the procedures and specific steps to be taken to decontaminate equipment and PPE.

N/A

7. TRAINING REQUIREMENTS

Prior to mobilization at the job site, employees will attend a safety briefing. The briefing will include the nature of the wastes and the site, donning personal protection equipment, decontamination procedures and emergency procedures.

8. MEDICAL SURVEILLANCE REQUIREMENTS

If any task requires a very high personnel protection level, personnel shall provide assurances that they have received a physical examination and they are fit to do the task. Also personnel will be instructed to look for any symptom of heat stress, heat stroke, heat exhaustion or any other unusual symptom. If there is any report of that kind it will be immediately followed through, and appropriate action will be taken.

9. STANDARD OPERATION PROCEDURES

Tank Protect Engineering of Northern California Inc. is responsible for the safety of all Tank Protect Engineering of Northern California Inc. employees on site. Each contractor shall provide all the equipment necessary to meet safe operation practices and procedures for their personnel on site and be responsible for the safety of their workers.

A " Three Warning " system is utilized to enforce compliance with Health and Safety procedures practices which will be implemented at the site for worker safety:

- * Eating, drinking, chewing gum or tobacco, and smoking will be allowed only in designated areas.

TPE SITE SAFETY PLAN

- * Wash facilities will be utilized by workers in the work areas before eating, drinking, or use of the toilet facilities.
- * Containers will be labeled identifying them as waste, debris or contaminated clothing.
- * All Excavation/drilling work will comply with regulatory agencies requirement.
- * All site personnel will be required to wear hard hats and advised to take adequate measures for self protection.
- * Any other action which is determined to be unsafe by the site safety officer.

10. CONFINED SPACE ENTRY PROCEDURES

No one is allowed to enter any confined space operation without proper safety measures. Specifically in case of an excavated Tank Pit no one should enter at no time.

11. EMERGENCY RESPONSE PLAN

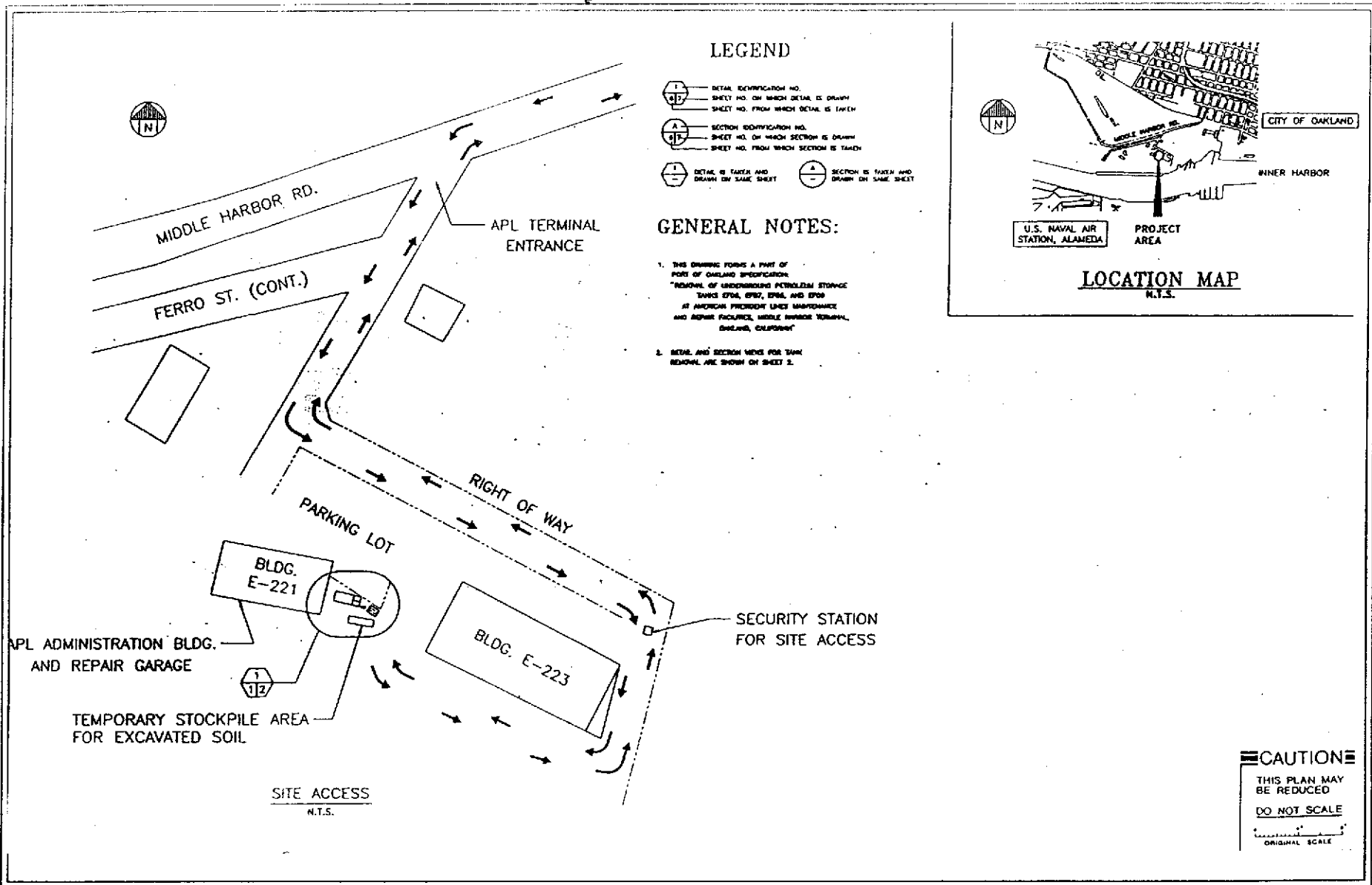
Fire extinguisher(s) will be on site prior to excavation.
Relevant phone numbers:

Person	Title	Phone No.
<u>Lyle Travis</u>	Project Manager	(510) 429-8088
_____	Fire	911 or _____
_____	Police	911 or _____
_____	Ambulance	911 or _____
_____	Poison Control Center	(800) 523-2222
_____	Site Phone	_____
_____	Nearest off-site no.	_____
_____	Medical Advisor	_____
<u>Jon Amdur</u>	Client Contact	(510) 272-1184

TPE SITE SAFETY PLAN

11. SHORING AND RIGGING

- A. Shoring is not required for this project.
- B. An excavator will be used to lift the 10,000-gallon and 5,000-gallon tanks. A backhoe will be used for lifting the 1,000-gallon and 550-gallon tanks. The equipment and lifting capacities are safe to lift the tanks.

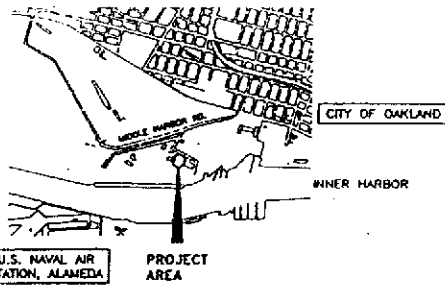


LEGEND

- DETAIL IDENTIFICATION NO.
 SHEET NO. ON WHICH DETAIL IS DRAWN
 SHEET NO. FROM WHICH DETAIL IS TAKEN
- SECTION IDENTIFICATION NO.
 SHEET NO. ON WHICH SECTION IS DRAWN
 SHEET NO. FROM WHICH SECTION IS TAKEN
- DETAIL IS TAKEN AND DRAWN ON SAME SHEET
- SECTION IS TAKEN AND DRAWN ON SAME SHEET

GENERAL NOTES:

1. THIS DRAWING FORMS A PART OF PORT OF OAKLAND SPECIFICATION "REMOVAL OF UNDERGROUND PETROLEUM STORAGE TANKS EP04, EP05, EP06, AND EP09 AT AMERICAN FREIGHT LINE MAINTENANCE AND REPAIR FACILITY, MIDDLE HARBOR TERMINAL, OAKLAND, CALIFORNIA"
2. DETAIL AND SECTION NUMBERS FOR TANK REMOVAL ARE SHOWN ON SHEET 2.

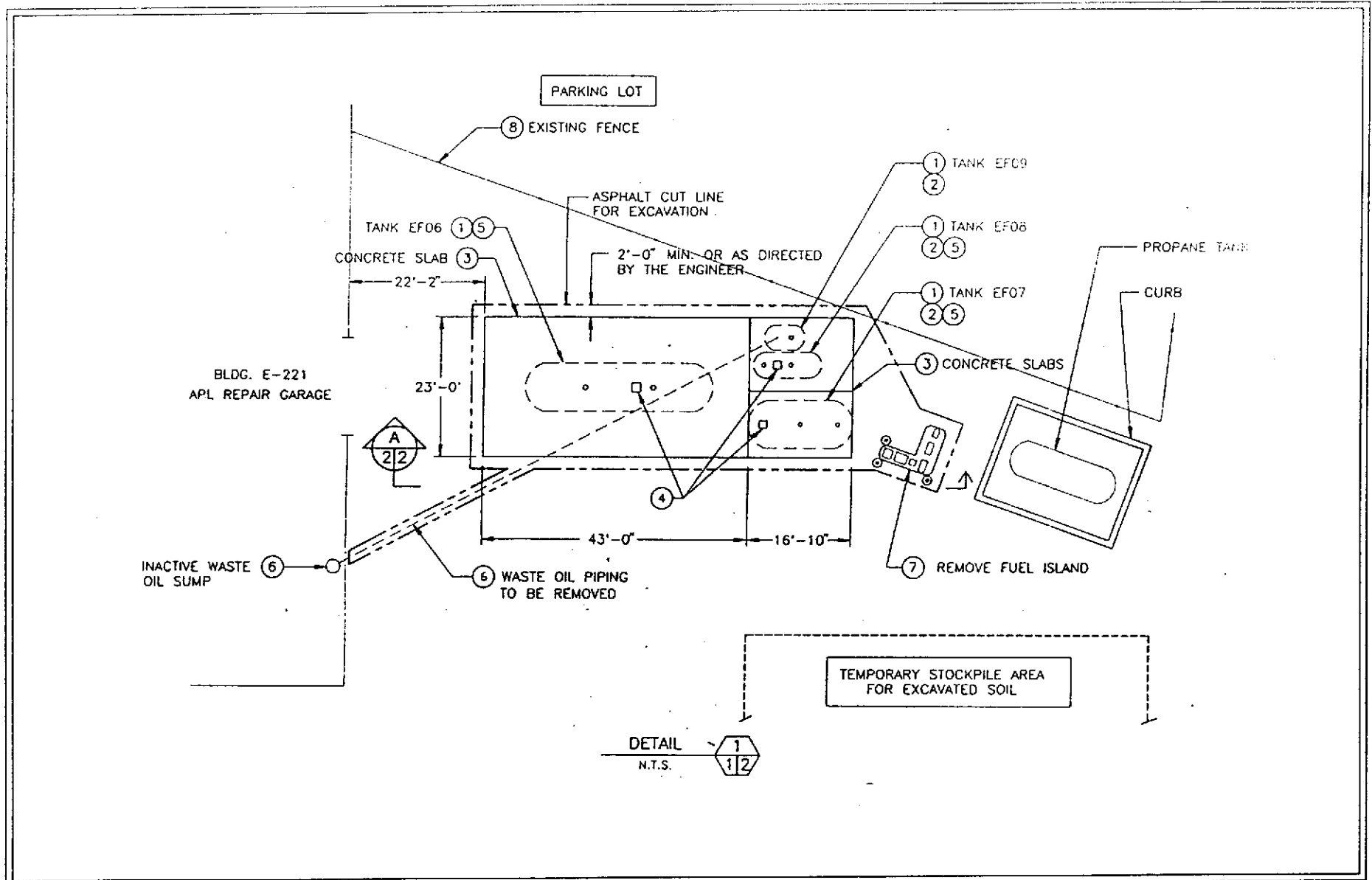


LOCATION MAP
N.T.S.

CAUTION
THIS PLAN MAY BE REDUCED
DO NOT SCALE
ORIGINAL SCALE

SITE PLAN
MIDDLE HARBOR TERMINAL
OAKLAND, CA 94607

FIGURE



SITE PLAN
 MIDDLE HARBOR TERMINAL
 OAKLAND, CA 94607

FIGURE

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 APL Today's Date 9/5/90
 Site Address 1395 ~~1579~~ Middle Harbor Rd EPA ID# _____
 City Oakland Zip 94607 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
 Hazardous Waste generated per month? _____

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
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The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

LA GENERATOR (Title 22)

	<input type="checkbox"/> 1. Waste ID	66471
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	<input type="checkbox"/> 31. Freeboard	67257
		<input type="checkbox"/> 32. Applic./Insurance
	<input type="checkbox"/> 33. Comp. Cert./CHP Insp.	66448
	<input type="checkbox"/> 34. Containers	66465
Manifest	<input type="checkbox"/> 35. Vehicles	66465
	<input type="checkbox"/> 36. EPA ID #s	66531
	<input type="checkbox"/> 37. Correct	66541
	<input type="checkbox"/> 38. HW Delivery	66543
	<input type="checkbox"/> 39. Records	66544
Cont'n's	<input type="checkbox"/> 40. Name/ Covers	66545
	<input type="checkbox"/> 41. Recyclables	66800

Comments:

Observed removal

1) 500 gal waste oil, no obvious holes no water in excavation, concrete slab was underlying tank. 1 soil sample collected

2) 2,000 gal gas, 1 soil sample taken from south wall, one from west wall, (7')

3) 10,000 gal diesel, 1 soil sample collected from west wall of excavation, one from north wall (8'), 1 water sample collected from water in bottom of excavation, 18 samples collected from spoils piles

1200 - 1330

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 Division Inspection Form

Site ID# _____ Site Name APL Today's Date 9/5/90
 Site Address 1395 1579 Middle Harbor Rd EPA ID# _____
 City Oakland Zip 94607 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
-
- Contingency**
- ___ 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 67245
 - ___ 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'rs**
- ___ 40. Name/ Covers 66545
 - ___ 41. Recyclables 66800

Comments: Tanks EF 11, EF 12, EF 13 + EF 14
 Observed removal

1) 500 gal waste oil, no obvious holes no water in excavation, concrete slab was underlying tank. 1 soil sample collected

2) 2,000 gal gas, 1 soil sample taken from south wall, one from west wall. (7')

3) 10,000 gal diesel, 1 soil sample collected from west wall of excavation, one from north wall (8'), 1 water sample collected from water in bottom of excavation. 18 samples collected from spoils piles

1200-1330

Rev 6/88

Contact: _____
 Title: _____ Inspector: _____
 Signature: _____ Signature: B. Fyfe

std 2485

10/12

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 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>Steve J Byrne</i> 10/10/90	
REPORT DATE 0 M 9 D 0 Y 4 D 9 Y 0 Y		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Jack Lee		PHONE (707) 762-5233	SIGNATURE <i>Jack Lee SK</i>	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME Baseline Environmental Consulting		
	ADDRESS 101 H Street, Suite L Petaluma California 94952				
RESPONSIBLE PARTY	NAME Port of Oakland <input type="checkbox"/> UNKNOWN		CONTACT PERSON Neil Werner	PHONE (415) 272-1176	
	ADDRESS 530 Water Street Oakland California 94607				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) American President Lines		OPERATOR same	PHONE (415) 272-2040	
	ADDRESS 1395 Middle Harbor Road Oakland Alameda 94607				
	CROSS STREET	TYPE OF AREA <input type="checkbox"/> COMMERCIAL <input checked="" type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER		TYPE OF BUSINESS <input type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input checked="" type="checkbox"/> OTHER shipping	
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME Alameda County Environmental Health		CONTACT PERSON Dennis Byrne	PHONE (415) 271-4320	
	REGIONAL BOARD San Francisco Regional Water Quality Control Board		<i>Steve Lyguine</i>	PHONE (415) 764-4222	
SUBSTANCES INVOLVED	(1) NAME Diesel			QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN	
	(2) <input type="checkbox"/> UNKNOWN				
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 M 8 D 3 Y 0 D 9 Y 0 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 type="checkbox"/> OTHER		
	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 checked="" type="checkbox"/> OTHER tank removed		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 0 M 8 D 3 Y 0 D 9 Y 0 Y				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		TANKS ONLY/CAPACITY 10,000 GAL. AGE _____ YRS <input type="checkbox"/> UNKNOWN	MATERIAL <input checked="" type="checkbox"/> FIBERGLASS <input type="checkbox"/> STEEL <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input checked="" type="checkbox"/> OTHER tank seams
	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input checked="" 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"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input checked="" type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES				
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input checked="" type="checkbox"/> CAP SITE (CD) <input 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"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT)				
COMMENTS	Port Tank I.d. - EF14				

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 APL Today's Date 8/30/90
 Site Address 1395 ~~1579~~ Middle Harbor Rd EPA ID# _____
 City Oakland Zip 94607 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)

- | | | |
|-------------------|-----------------------------|---------|
| Manifest | 1. Waste ID | * 66471 |
| | 2. EPA ID | 66472 |
| | 3. > 90 days | 66508 |
| | 4. Label dates | 66508 |
| | 5. Biennial | 66493 |
| | 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 |
| Confin. 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:

observed removal of 1 10000 gal diesel tank (EF14)

H₂O in excav, obvious holes in tank.

Two soil samples collected at a depth of ~ 3.5'

Water in excavation to be purged and the recharge water sampled

One composite sample collected of the spoils pile with a noticeable odor. The sampling of two additional spoils piles was left up to discretion of Jack Lee

24 hour turn around

5+4 + 7+4 approx 1200-1315

114 Adeline

Bldg E124

Contact: _____

Title: _____

Signature: _____

Inspector: _____

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# _____ Site Name APL Today's Date 8/3/90
 Site Address 1395 ~~1579~~ Middle Harbor Rd EPA ID# _____
 City Oakland Zip 94607 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)**
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 - 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
-
- 40. Name/ Covers 66545
 - 41. Recyclables 66800

Comments: TANKS EF11, -12, -13 and EF-14
 observed removal of 1 10,000 gal diesel tank (EF14)
 H2O in excav, obvious holes in tank.
 Two soil samples collected at a depth of ~ 3.5'
 water in excavation to be purged and the recharge water sampled
 One composite sample collected of the spoils pile with a noticeable odor. The sampling of two additional spoils piles was left up to discretion of Jack Lee
 24 hour turn around
 5+6 + 7+8 noon 1200-1315
 114 Adeline Bldg E124

Contact: _____
 Title: _____ Inspector: _____
 Signature: _____ Signature: _____

**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
7/19/96
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-3337

These plans have been reviewed and found to be in compliance with applicable state and local health laws. Changes to your plans must be approved by the Department and the Department are to ensure compliance with state and local laws. The project proposed to you is new and does not fall under the scope of any regulated substance permits nor is it a modification of an existing permit. One copy of these approved plans must be available to all contractors and other personnel involved in the removal.

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

- Removal of Tank and Piping
 - Sampling
 - Final Inspection
- Severance of a permit to operate is dependent on compliance with applicable state and local laws and regulations. A Final Report (FIR) must be submitted to the Department. (See Department of Environmental Health Website for more information.)

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name Eagle Marine Services, Ltd.
Business Owner American President Companies

2. Site Address ~~1395~~ 1579 Middle Harbor (APL Middle Harbor Rd. Terminal) (EF 11-14)
City Oakland Zip 94607 Phone 272-2040

3. Mailing Address 1395 Middle Harbor Road
City Oakland Zip 94607 Phone 272-1178

4. Land Owner Port Of Oakland
Address 530 Water Street City, State Oakland, CA Zip 94607

5. EPA I.D. No. CAC00030113

6. Contractor IT Corporation (O.C. Jones and Sons - Gen'l. Contractor)
Address 4575 Pacheco Boulevard
City Martinez Phone 372-9100
License Type A,C33, C34, C61, C57
D38, B, Haz.Sub.Rem.ID# 137422 (IT Corporation)
Certificate

7. Consultant Baseline Environmental Consulting
Address 5900 Hollis Street, Suite D
City Emeryville, CA Phone 420-8686

8. Contact Person for Investigation

Name Michele Heffes Title Junior Environ. Scientist
Phone 272-1178

9. Total No. of Tanks at facility 4 (To Be Removed)

10. Have permit applications for all tanks been submitted to this office?
Yes [] No []

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name Refinery Services EPA I.D. No. CAD083166728
Address P.O. Box 1171
City Patterson State CA Zip 95363

b) Rinsate Transporter

Name See (a) EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

c) Tank Transporter

Name Erickson Inc. EPA I.D. No. CAD009466392
Address 255 Parr Boulevard
City Richmond State CA Zip 94801

d) Tank Disposal Site

Name See (c) EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

e) Contaminated Soil Transporter

Name Chism Trucking EPA I.D. No. CAD980584817
Address P.O. Box 755
City Riverdale State CA Zip 93656

12. Sample Collector

Name Yane Nordhav
 Company Baseline Environmental Consulting
 Address 5900 Hollis Street, Suite D
 City Emeryville State CA Zip 94607 Phone 420-8686

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
2,000-gallon	Gasoline (EF11)	All Tanks: Soils and ground-water	1' to 2' in native soils beneath tank invert at opposite ends of tank (soils)
10,000-gallon	Diesel (EF12)		
550-gallon	Waste Oil (EF13)		Accumulated water in excavation
10,000-gallon	Diesel (Ef14)		

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

If yes, describe. _____

15. NFPA methods used for rendering tank inert? Yes [X] No []

If yes, describe. Three pounds dry ice per 100 gallons of tank capacity

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Curtis & Tompkins, Ltd.
 Address 2323 Fifth Street
 City Berkeley State CA Zip 94710
 State Certification No. 159

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
TVH (gasoline)	5030	8015 Mod.
TEH (diesel)	3550	8015 Mod.
<i>BTX/E</i>		<i>8200-8240</i>
BTXE <i>waste oil</i>	5030	8020/602
Oil & Grease	3550	SMWW 503E
Chlorinated HC	5030	8240/624
Cd, Cr, Pb, Zn	3050/3010	ICP
TPM-C		<i>GC FID 5030</i>
TPM-D		<i>GC FID 3550</i>
<i>PCB, PCP, PNA, Creosote</i>		<i>8276</i>

18. Submit Site Safety Plan

19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

Name of Insurer National Union Fire Insurance Company (Insured: IT 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) PATRICK M. Ignoffo - ENGINEER - O.C. JONES & SONS.
Signature Patrick M. Ignoffo
Date July 16, 1990

Signature of Site Owner or Operator

Name (please type) Michele Heffes, Port of Oakland
Signature Michele Heffes for Port of Oakland
Date 7/12/90

NOTES:

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. After approval of plan, notification of at least two (2) working days (48 hours) must be given to this Department prior to removal of tank(s).
5. A copy of your approved plan must be sent to the landowner.
6. Triple rinse means that:
 - a) Final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1). Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must be demonstrated by an original or facsimile report from a laboratory certified for the above analyses.
 - b) Tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.
 - c) Tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

7. Any cutting into tanks requires local fire department approval.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)

INSTRUCTIONS

2. SITE ADDRESS

Address at which closure or modification is taking place.

5. EPA I.D. NO.

This number may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR

Prime contractor for the project.

7. OTHER

List professional consultants here.

12. SAMPLE COLLECTOR

Persons who are collecting samples.

13. SAMPLING INFORMATION

Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

16. LABORATORIES

Laboratories used for chemical and geotechnical analyses.

17. CHEMICAL METHODS:

All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

NOTE:

Method Numbers are available from certified laboratories.

18. SITE SAFETY PLAN

A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN

The plan should consists 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 Line
- d) Location of all Structures
- e) Location of all relevant existing equipment including tanks and piping to be removed
- f) Streets
- g) Underground conduits, sewers, water lines, utilities
- h) Existing wells (drinking, monitoring, etc.)
- i) Depth to ground water
- j) All existing tanks in addition to the ones being pulled

rev. 9/88
mam

ITC CORPORATION

STANDARD PROCEDURE

PROCEDURE NO. ITC PRO 9532.7A

DATE February 23, 1987

SUPERSEDES 9532.7 (02/17/83)

APPROVED *D.R. Smith*
David R. Smith

SUBJECT: UNDERGROUND STORAGE TANK REMOVAL
AND CLOSURE

CONTENTS

RECEIVED

JUN 2 1987

BASELINE

- I. PURPOSE
- II. REFERENCES
- III. ASSIGNMENT OF RESPONSIBILITIES
- IV. DISCUSSION
- V. DEFINITIONS - FOR THE PURPOSE OF THIS DIRECTIVE
- VI. MEDICAL EXAMINATIONS
- VII. EMPLOYEE TRAINING AND INDOCTRINATION
- VIII. PROCEDURE - UNDERGROUND STORAGE TANK REMOVAL AND CLOSURE REQUIREMENTS
 - A. Preliminary Requirements
 - 1. Notification/Permits for Underground Storage Tank Closure
 - 2. Preparation for Underground Storage Tank Closure
 - B. Operating Requirements
 - 1. Hazard Assessment
 - 2. Excavation Safety
 - 3. Heavy Equipment Operation
 - 4. Fire Safety
 - 5. Underground Storage Tank Decontamination
 - 6. Air Monitoring
 - 7. Confined Space Entry
 - 8. General Site Safety Requirements

place or removal). As of 1985, states have designated state or local agencies that are responsible for implementing and enforcing underground tank regulations, including closures.

Steps involved in tank removal and closure include agency notification, permitting, excavation, hazardous substance removal, tank cleaning, tank removal, groundwater and/or soil testing for chemical contamination, backfilling, and post-closure notification (tank de-listing).

The protection of IT employees, subcontractors, and the public is a major concern during tank closure project design and implementation. Several health and safety concerns require evaluation and include excavation/trenching hazards; confined space hazards; toxic, flammable and/or oxygen deficient atmospheres; hot work and cold cutting operations; tank removal; physical hazards; and others.

All underground storage tank closure projects shall be reviewed by the Regional Health and Safety Office in accordance with ITC PRO 9021.1A (Review of New Jobs, New Projects, New Construction and Proposals).

V. DEFINITIONS - FOR THE PURPOSE OF THIS DIRECTIVE

A. Cold Cutting

Methods of material cutting that utilize a nonelectric or nonflammable gas system, such as pneumatic chisels or drills, or a high pressure water device.

B. Confined Space

Normally considered to be enclosures having limited means for entry and exit, by reason of location, size, or number of openings; and unfavorable natural ventilation which could contain or produce dangerous air contaminants, flammable or explosive atmospheres, and/or oxygen deficiency. Confined spaces may include storage tanks, excavations, or trenches.

C. Competent Person - Excavation and Trenching

A person, such as a supervisor or engineer, who is capable of identifying existing and predictable hazards in the excavation/trenching work area and who has the authority to take prompt corrective measures to eliminate them.

D. Excavation

Any manmade cavity or depression in the earth's surface, including its sides, walls or faces, formed by earth removal and producing unsupported earth conditions by reasons of the excavation.

E. Hot Work

Any work involving burning, welding, riveting, or similar fire-producing operations, as well as work which produces a source of ignition, such as drilling, grinding, abrasive blasting, etc.

exposure to toxic substances, confined space entry procedures, and in the use of atmospheric testing instruments is required. These training requirements can be satisfied through the successful completion of IT's Excavation Safety and the Hazards and Protection/Confined Space training courses.

2. Qualified Person - Excavation and Trenching

A person, such as an engineer, who by possession of a recognized degree, certificate, or professional standing, or who by extensive knowledge, training, and experience has successfully demonstrated his/her ability to design shoring, sloping/benching, or alternate systems that meet accepted regulatory and engineering requirements.

M. Trench

An excavation made below the surface of the ground. In general, the depth is greater than the width at the bottom, but the width of a trench at the bottom is not greater than 15 feet.

N. Underground Storage Tank

By regulatory definition, a tank with ten percent or more of its volume below ground. Included in the volume is all piping attached to the tank (RCRA, Subtitle I, Section 9001(1)).

VI. MEDICAL EXAMINATION

- A. All IT Corporation personnel on-site shall have successfully completed a preplacement or periodic/update physical examination in accordance with ITC PRO 9410.1.
- B. All subcontractor personnel who, because of their job assignments, may incur exposures to the hazardous materials present at the jobsite, must have successfully completed a physical examination similar to the IT Corporation preplacement physical exam required by ITC PRO 2010.1 (Contractor/Subcontractor Relationships and Documentation) unless otherwise indicated by the Regional Health and Safety Office.

VII. EMPLOYEE TRAINING AND INDOCTRINATION

- A. All IT personnel assigned to underground storage tank closure projects shall have completed, at a minimum, the appropriate formal training courses designated in ITC PRO 9030.1A (Employee and Contractor Training Requirements).
- B. All subcontractor personnel shall have completed minimum training requirements as specified in ITC PRO 2010.1A (Contractor/Subcontractor Relationships and Documentation).

- c. Trees, boulders, poles and other surface encumbrances located at the work site shall be made safe or removed prior to initiation of the tank closure project.
- d. Assure that construction equipment (not in transit) and personnel do not come closer than 15 feet to any energized overhead high voltage conductor such as electric utility lines.

B. Operating Requirements

1. Hazard Assessment

At the beginning of the project, each work shift, and as often as necessary to ensure safety, a competent person shall conduct an area survey to locate work place hazards and determine appropriate safety control measures.

2. Excavation Safety

- a. All work involving excavation or trenching shall be subject to the requirements of ITC PRO 9532.9 (Excavation and Trenching).
- b. Personnel entry into any excavation or trench that is more than five feet deep shall only be permitted if the excavation or trench is properly shored or sloped and safe for entry as determined by a qualified person.
- c. Daily inspections of an excavation shall be made by a competent person. If there is evidence of possible cave-ins or slides, all work in the excavation shall cease until the necessary safeguards have been taken.
- d. Trenches more than four feet deep shall have ladders or steps located so as to require no more than 25 feet of lateral travel between means of egress. Ladders shall be placed at an angle not more than 30 degrees from vertical and secured as necessary. Ladder side rails shall extend at least three feet above the original ground surface.
- e. All spoil shall be located at least two feet from the edge of the excavation to prevent spoil from falling back into the excavation. No method that disturbs the soil in place (such as driving stakes) shall be used to contain spoil material.

4. Fire Safety

- a. Hot work shall not be conducted unless all requirements of ITC PRO 9571.1 (Welding, Cutting, and Other Hot Work in Hazardous Locations) have been met.
- b. Cold cutting of underground storage tanks to facilitate cleaning shall only be performed under direct supervision of a qualified person.
- c. Equipment on-site shall be bonded and grounded, spark-proof, and explosion resistant, as appropriate. Particular attention to bonding/grounding shall be made during transfer of flammable/combustible liquids into vacuum trucks and when ventilation equipment is utilized.
- d. A fire extinguisher with a minimum rating of 10B:C shall be strategically located in the area of active work.
- e. No smoking shall be allowed in the work area.

5. Underground Storage Tank Decontamination

Underground storage tanks that have been removed, but not cleaned, are considered hazardous waste. These tanks must be transported in accordance with Department of Transportation hazardous material packaging and shipping requirements, including manifesting, and taken to a permitted hazardous waste disposal site.

Minimum decontamination procedures that shall be performed to allow transportation of removed tanks under a bill of lading, disposal at a non-hazardous waste facility, or tank demolition for scrap include:

- a. Removal of all residual liquid material, followed by triple rinsing with an appropriate cleaning solution to remove remaining sludge and/or scale from the interior surfaces of the tank.
- b. Routine tank testing to determine the effectiveness of the cleansing, flushing and rinsing procedure. Residual liquid in tanks shall not be less than a pH of 3, nor greater than 11. Tanks that have contained flammable or combustible liquids shall be checked with a combustible gas indicator. Readings above 0% LEL shall require additional tank cleansing.
- c. A physical examination of the tank interior to confirm that the rinsing process has removed all residual material. When triple rinsing is not sufficient to remove all sludge or scale, tanks shall be entered (once the tank space has been evaluated by a qualified person - industrial confined space) through available manways or cold cut open so that personnel can

Regional Health and Safety Office. All tests shall be repeated as often as necessary to assure safety since changing conditions may result in varying atmospheric contaminant concentrations.

- c. All work activity is prohibited in atmospheres where tests indicate that the concentration of flammable vapors is greater than 10% of the lower explosive limit (LEL), or the concentration of oxygen is less than 20% or greater than 25%. Positive steps, such as ventilation, shall be taken to establish acceptable atmosphere conditions prior to resumption of operations.
- d. Tests indicating the presence of toxic contaminants in concentrations at or above the threshold limit value (TLV) mandate that work in such an atmosphere proceed only when personal protective equipment appropriate for the specific contaminants is provided to all affected employees, based on recommendations of the Regional Health and Safety Office.
- e. Proper maintenance and operation of air monitoring equipment is an essential component of underground storage tank closure operations. Use of combustible gas/oxygen indicators is subject to the following precautions:
 - (1) Combustible gas indicators must be routinely and properly calibrated based on known mixtures of gas (i.e., pentane, methane) in air. Other combustible gases or vapors will read approximately correctly in terms of explosivity, but for maximum accuracy, a calibration curve for the specific substance or mixture of concern should be consulted.
 - (2) The presence of certain materials in the sample atmosphere may seriously impair the meter response of a combustible gas indicator. These include tetraethyl lead (TEL), used in leaded gasoline, and silicon compounds, in the form of silanes, silicones and silicates, often found in hydraulic fluids. Certain manufacturers supply inhibitor filaments designed to nullify the effects of TEL on meter response.
 - (3) Ambient oxygen concentrations of less than 10% will cause an inaccurately low reading on the combustible gas meter scale.

- d. Food articles or smoking materials will not be allowed in the work area.
- e. All IT procedures applicable to each specific job are to be followed in addition to these noted underground storage tank closure work practices and conditions.
- f. Adequate provisions shall be made for:
 - (1) Washing of hands and face prior to eating, drinking, or consuming tobacco products.
 - (2) Providing drinking water to site personnel. During the summer months particularly, electrolyte replacement fluids, such as Gatorade, should be made available.

9532-7/PLP

ACORD. CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY):

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

COMPANIES AFFORDING COVERAGE

CODE SUB-CODE

COMPANY LETTER **A**

NATIONAL UNION FIRE INSURANCE COMPANY

COMPANY LETTER **B**

BIRMINGHAM FIRE

COMPANY LETTER **C**

LANDMARK

COMPANY LETTER **D**

COMPANY LETTER **E**

INSURED International Technology Corporation; IT Corporation; IT Transportation Corp.; McGill Environmental Systems, Inc.; IT Environmental Services, Inc.; PEI Assoc., Inc.; Underground Resources Management; IT Italia, Inc.; IT Engineering of New York, P.C.; IT McGill International, Ltd.; IT Espana; IT Deutschland, Inc. 23456 Hawthorne Blvd., Torrance, California 90505

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						
A	X COMMERCIAL GENERAL LIABILITY	RMGLA2498049	4/1/80	4/1/91	GENERAL AGGREGATE	\$ 1,000,
	X CLAIMS MADE OCCUR.				PRODUCTS-COMPROPS AGGREGATE	\$
	OWNER'S & CONTRACTOR'S PROT.				PERSONAL & ADVERTISING INJURY	\$
				EACH OCCURRENCE	\$ 1,000,	
				FIRE DAMAGE (Any one fire)	\$	
				MEDICAL EXPENSE (Any one person)	\$	
AUTOMOBILE LIABILITY						
A	X ANY AUTO	RMBA5629114 (A/O)	4/1/80	4/1/91	COMBINED SINGLE LIMIT	\$ 1,000,
	ALL OWNED AUTOS	RMBATX562115 (Texas)			BODILY INJURY (Per person)	\$
	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
	HIRED AUTOS				PROPERTY DAMAGE	\$
	NON-OWNED AUTOS					
	GARAGE LIABILITY					
EXCESS LIABILITY						
	OTHER THAN UMBRELLA FORM				EACH OCCURRENCE	AGGREGATE
A	WORKER'S COMPENSATION	RMWC112-7811 (CA)			STATUTORY	
B	AND	RMWC112-8772 (A/O)	4/1/80	4/1/91	\$ 1,000,	(EACH ACCIDENT)
C	EMPLOYERS' LIABILITY	RMWC112-8773 (MD)			\$ 1,000,	(DISEASE—POLICY LIMIT)
	OTHER	RMWC112-8774 (LA)			\$ 1,000,	(DISEASE—EACH EMPLOYEE)

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS

CERTIFICATE HOLDER

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