

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

March 31, 2006

Nicholas Molnar
440 Grand Ave., Suite 320
Oakland, CA 94610

Raymond & Grace Yu
c/o Alpha TV
2819 MacArthur Blvd.
Oakland, CA 94602

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

FAX (510) 337-9335

Dear Mr. Molnar, Mr. & Mrs. Yu:

Subject: Fuel Leak Case No. RO0000001, Dan's Auto Repair, 2801 MacArthur Blvd., Oakland, CA 94602

Alameda County Environmental Health (ACEH) staff reviewed "Work Plan Additional Site Study..." dated October 11, 2005 prepared by . We approve of the Work Plan with the condition that the technical comment is adhered to. We request that you address the following technical comment, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

- 1) Boring Soil Sampling – Soil samples shall be collected at changes of lithology, at the soil/groundwater interface, and at areas of obvious contamination. Please modify your proposal for boring soil sampling.

TECHNICAL REPORT REQUEST

Please submit the following technical reports to Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:

May 31, 2006 – Soil and Water Investigation Report

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang

Hazardous Materials Specialist
Local Oversight Program

C: Aniko Molnar, 7 Morningsun Ave., Mill Valley, CA 94941
Donna Drogos
File

() RO1

ANIKO MOLNAR

7 Morning Sun Ave.
Mill Valley, CA 94941

September 21, 2005

Mr. Don Hwang
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Alameda County
SEP 26 2005
Environmental Health

RE: 2801 MacArthur Blvd., Oakland, CA 94602
Fuel Leak Case No. RO0000001

Dear Mr. Hwang:

We are in receipt of your letter dated July 28, 2005 regarding the above referenced site. I am writing to request a two-week extension for the submittal of the technical report requested in your letter. We ask that the submittal date for the Work Plan be revised to October 12, 2005. We will submit the list of record fee titleholders certification by the same date.

If you have any questions regarding this extension request please call me at 415-389-0810.

Sincerely,



Aniko Molnar

cc: Nicholas Molnar
Raymond Yu

RO 1

ANIKO MOLNAR
7 Morningsun Avenue
Mill Valley, CA 94941

Alameda County
MAY 31 2006
Environmental Health

May 30, 2006

Mr. Don Hwang
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RE: Work Plan Implementation
Fuel Leak Case No. RO0000001
2801 MacArthur Blvd.
Oakland, CA
StID 23

Dear Mr. Hwang:

This letter serves to acknowledge that as a condition of approval for the work plan dated October 11, 2005 prepared by Fugro West, Inc., soil samples will be collected at changes of lithology, at the soil/groundwater interface, and at areas of obvious contamination. This condition modifies and supercedes the description of sampling depths contained in the work plan.

In addition, this letter confirms my verbal request for an extension of the deadline for submitting the required Technical Report from May 31, 2006 to July 31, 2006 due to weather constraints, scheduling issues and delays in UST Fund reimbursement.

If you have any questions, please call me at 415.254.7855.

Sincerely,



Aniko Molnar

cc: Nicholas Molnar, APA Fund
Raymond Yu
Jeriann Alexander, Fugro West

2006 MAY 31 PM 2:16

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

July 28, 2005

Nicholas Molnar
440 Grand Ave., Suite 320
Oakland, CA 94610

Raymond Yu
4098 Laguna Ave.
Oakland, CA 94602

Dear Messrs. Molnar and Yu:

Subject: Fuel Leak Case No. RO0000001, Dan's Auto Repair, 2801 MacArthur Blvd., Oakland, CA 94602

Alameda County Environmental Health (ACEH) staff reviewed "Groundwater Monitoring Event – March 2003" dated June 30, 2004 prepared by Aniko Molnar and determined it to be unacceptable and not ready for submittal. We do not agree that the site is ready for closure. We request that you address the following comments and send us the technical reports requested below.

TECHNICAL COMMENTS

1) Professional Certification & Conclusions/Recommendations - The report has not been submitted as a valid technical report. Please note 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 that all future technical reports submitted for this fuel leak case meet these requirements.

2) Lack of Verification Groundwater Sampling in the Source area – After the excavation and removal of petroleum and benzene affected soils on November 13, 2000, no groundwater samples have been collected from the source area. Additionally, monitoring wells M-1 and M-2, both located just outside the excavation pit, have been paved over. Also, we were told that piezometer P-3, located adjacent to one of the former pump islands, was decommissioned. However, our file does not have any such documentation. M-2 and P-3 have not been sampled since December 9, 1999 and M-1

has never been sampled. On December 9, 1999, 11,000 ug/l TVH (g) and 560 ug/l Benzene were detected in M2, and 3,700 ug/l Benzene, was detected in P-3. The source areas have not been evaluated since remediation. We request that you propose sampling, which will be representative of conditions in the source areas in the Work Plan requested below.

3) Monitoring Wells M-1, M-2, and piezometer P-3 must be located – Unless these wells are used, they must be properly destroyed.

4) Increasing Groundwater Concentrations – During the most recent monitoring event, March 25, 2003, concentrations of TVH (g) increased to 54,000 ug/l from 32,000 ug/l the previous monitoring event on December 9, 1999 for sample location P-2. Also, on March 25, 2003, concentrations of TVH (g) increased to 6,200 ug/l from 1,500 ug/l on December 9, 1999 for sample location M-4. Thus, please continue groundwater monitoring.

5) Historical Hydraulic Gradients – Please show using a rose diagram with magnitude and direction; include cumulative groundwater gradients in all future reports submitted for this site. This information will be used to assess whether groundwater contamination has been adequately delineated downgradient of the source areas.

6) Contaminated Groundwater Plume between P-2 and M-4 - Please propose additional groundwater sampling locations, which will determine if M-5 and M-6 are properly situated to intercept the plume. Please submit with the Work Plan requested below.

7) Submerged Monitoring Well Screens for P-2, P-3, M-1, M-2, M-3, M-4, M-6 – During a major portion of the sampling events, the depth to groundwater has been above the top of the monitoring well screens. Please evaluate the effect of groundwater elevations rising above well screens on hydrocarbon concentrations and propose recommendations to augment or validate the groundwater concentrations obtained. Include, with your analysis, hydrographs for each monitoring well with groundwater elevation vs. time and plot TPH-G and benzene, and also indicate the top of screen elevations. Please submit with the Work Plan requested below.

OTHER COMMENTS

8) Landowner Notification Requirement -

Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee titleholders to the site.

At this time we require that you submit a complete mailing list of all record fee title owners of the site, which states, at a minimum, the following:

A. *In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:*

- OR -

B. *In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.*

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

In the future, for you to meet these requirements when submitting cleanup proposals or requests for case closure, ACEH requires that you:

1. Notify all current record owners of fee title to the site of any cleanup proposals or requests for case closure;
2. Submit a letter to ACEH which certifies that the notification requirement in 25297.15(a) of the Health and Safety Code has been met;
3. Forward to ACEH a copy of your complete mailing list of all record fee title holders to the site; and
4. Update your mailing list of all record fee titleholders, and repeat the process outlined above prior to submittal of any additional *Corrective Action Plan* or your *Request for Case Closure*.

Your written certification to ACEH (Item 2 above) must state, at a minimum, the following:

A. *In accordance with Section 25297.15(a) of the Health & Safety Code, I, (name of primary responsible party), certify that I have notified all responsible landowners of the enclosed proposed action. (Check space for applicable proposed action(s)):*

cleanup proposal (Corrective Action Plan)

request for case closure

local agency intention to make a determination that no further action is required

local agency intention to issue a closure letter

- OR -

Messrs. Molnar and
July 28, 2005
Page 4 of 4

B. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

TECHNICAL REPORT REQUEST

Please submit the following technical reports to Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:

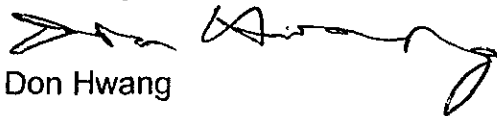
September 28, 2005 – Work plan

OTHER REQUEST

September 28, 2005 – List of record fee titleholders

If you have any questions, please call me at (510) 567-6746.

Sincerely,



Don Hwang

Hazardous Materials Specialist
Local Oversight Program

C: Aniko Molnar, 7 Morningsun Ave., Mill Valley, CA 94941
Donna Drogos
File

Hwang, Don, Env. Health

From: Alexander, Jeriann [JAlexander@Fugro.com]
Sent: Thursday, July 07, 2005 11:48 AM
To: Hwang, Don, Env. Health
Cc: Aniko Molnar
Subject: RE: 2801 MacArthur Blvd.

At the request of Aniko Molnar I have listed the reports which include hydrogeologic information for the APA Fund site. In addition, I summarized the gradient information contained in other the various reports for the site including the groundwater monitoring reports conducted for a 10 year period.

Please let us know which of these reports you need and we will make copies for your file.

Jeriann Alexander, PE, REA
Project Manager
Fugro West, Inc.

Site specific geologic information is contained in the following reports:

- Remedial Investigation Report by Reidel dated December 1989, includes hydrogeology section
- Additional Soil and Groundwater Investigation by Streamborn August 20, 1991 includes cross sections and gw contours and descriptions of the geology.
- Supplemental Soil and Groundwater Investigation by SCI July 1993
- Supplemental Soil and Groundwater Investigation Monitoring Wells M-5 and M-6 by SCI March 30, 1995
Includes cross sections which show screen lengths and historic gw levels for the time period
- ✓ Risk Assessment and Case Closure Petition (as a low risk site) by SCI dated January 1997, includes hydrogeologic description and a summary of beneficial use, in addition to the risk assessment sections.
- ✓ Corrective Action Plan by SCI dated August 13, 1999 includes sections on natural degradation, hydrogeology and sensitive receptors. Also includes cross sections.

Groundwater flow and gradient information is contained in the reports listed above as well as everyone of the monitoring reports conducted by SCI.

The Streamborn 1991 report represents the following: gradient to the south-southeast at 9% and contour map is presented.

SCI July 1993 report - contour map shown, gradient 4-6 % to the south-southeast
SCI March 1995 report - contour map shown, gradient 10% to the south west
SCI April 1995 report - contour map shown, gradient 6-9 % to the south
SCI Feb 1996 report - 2 contour maps shown for 2 events, gradient 4-8 % to the southwest
SCI June 1996 report - contour map shown, gradient 4-6 % to the south
SCI Sept report - contour map shown, gradient 4-6% to the south
SCI Jan 1997 report - contour map shown, gradient 4-6 % to the south
SCI CAP August 1999 - contour map shown, gradient summarized as 2-10% to south or southwest
SCI July 1999 report - contour map shown, gradient 5-10% to south
SCI March 2000 report - contour map shown, gradient 8% to the southwest

> -----Original Message-----

> From: Aniko Molnar [mailto:armolnar@sbcglobal.net]
> Sent: Wednesday, July 06, 2005 9:00 PM
> To: Alexander, Jeriann
> Subject: 2801 MacArthur Blvd.

>
> Hi Jeriann-
> I got a phone message from Don Hwang yesterday that he cannot find the
> geological and gradient information which we discussed in our meeting.
> He would like to know if we can give it to him. Could you let me know
> which reports he should refer to? If he does not have them I guess we
> will send them again.
> Thanks.
> Aniko
> P.S. You can email him directly (at my request) with a cc to me - this
> may be easier.
> Thanks.

Drogos, Donna, Env. Health

From: Aniko Molnar [armolnar@sbcglobal.net]
Sent: Tuesday, June 14, 2005 4:12 PM
To: Hwang, Don, Env. Health; Drogos, Donna, Env. Health
Cc: Jeriann Alexander
Subject: Confirm Mtg 6/16

Don,

Just wanted to confirm our meeting with you and Donna this Thursday 6/16 at 4pm regarding 2801 MacArthur Blvd. If there has been any change, please let us know. Otherwise see you then.

Aniko Molnar

ANIKO MOLNAR

February 15, 2005

Mr. Don Hwang
Alameda County Health Care Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Alameda County
FEB 18 2005
Environmental Health

RE: 2801 MacArthur Blvd.
Oakland, CA
StID 23

Dear Mr. Hwang:

I am writing in response to your letter to Mr. Nicholas Molnar dated December 22, 2004 regarding the above referenced site. As you may recall, I spoke with you on October 19, 2004 regarding the closure status of this project. At that time you indicated that you were new to the project and needed to review the file. I had offered to have a meeting with you to discuss the site's history, however, to date that offer has not been accepted.

The December 22, 2004 letter came as a complete surprise to Mr. Molnar, as it represents a complete turn around from the Alameda County Health Care Agency's (ACHCA) position on this site. Therefore, we request an extension for all submittals asked for in this letter. We also request a meeting with you, Donna Drogos, and any other decision makers regarding the status of this site and the site closure process prior to having any additional work conducted.

A "Corrective Action Plan" (CAP) dated August 13, 1999 prepared by Subsurface Consultants, Inc. (SCI), was approved by the ACHCA in a letter dated August 20, 1999. The remediation specified in the CAP was completed in November and December 2000 and was documented in a letter to ACHCA dated February 26, 2001. A subsequent letter dated March 18, 2001 requested site closure. In a letter dated January 14, 2003, the ACHCA requested one additional round of groundwater sampling that was conducted in March 2003. The results were consistent with those observed in the past when the CAP was approved, therefore, the site had met all the closure requirements set forth by the ACHCA.

This project has been ongoing for 15 years. As stated above, there is an approved Corrective Action Plan (CAP-1999) that was implemented in 2000, years of groundwater monitoring, and an approved Risk Assessment. Now it appears that ACHCA has completely changed its direction and would like us to start over. The risks posed at the

site are well understood for the size of this corner lot, and we are interested in obtaining site closure in a timely manner. The current property owner has indicated his desire to develop the property. As you know, this cleanup has been primarily funded by the State UST program. These are the only monies available for additional work and they are limited.

Please direct future correspondence to:

Aniko Molnar
7 Morningsun Avenue
Mill Valley, CA 94941

With copies to:

Nicholas D. Molnar
440 Grand Avenue, Suite 320
Oakland, CA 94610

We look forward to having a meeting with ACHCA at your earliest convenience. Please feel free to call me at 415-254-7855 with any questions.

Sincerely,



Aniko Molnar

cc: Nicholas D. Molnar
Raymond Yu

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

December 22, 2004

Nicholas Molnar
c/o Aniko Molnar
775 E Blithedale Ave #325
Mill Valley, CA 94941

Raymond Yue
4098 Laguna Ave.
Oakland, CA 94602

Dear Messrs. Molnar and Yue:

Subject: Fuel Leak Case No. RO0000001, Dan's Auto Repair, 2801 MacArthur Blvd., Oakland, CA 94602

Alameda County Environmental Health (ACEH) staff reviewed "Groundwater Monitoring Event – March 2003" dated June 30, 2004 prepared by Aniko Molnar. The sampling in March 2003 included Wells M-3, M-4, M-5, M-6, and piezometer P-2. Wells M-1, M-2, and piezometer P-3 were inaccessible, as they have been paved over. We do not agree that the site is ready for closure. We request that you address the following comments and send us the technical reports requested below.

TECHNICAL COMMENTS

1) Professional Certification –

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) require 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.

A review of our case file indicates that none of your consultant's (Aniko Molnar) reports are stamped by the licensed professional. Please note 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. We request that you submit the required professional certifications for the reports by Aniko Molnar. Please ensure that all future technical reports submitted for this fuel leak case meet these requirements.

2) Groundwater Contamination – Up to 54,000 ug/l TVH (g) (Total volatile hydrocarbons in the gasoline range C7-C12), 1,900 ug/l Benzene, 3,000 ug/l Toluene, 1,200 ug/l Ethylbenzene, and 7,100 ug/l Xylenes, were detected during sampling in March 2003. No groundwater cleanup levels have been proposed. Please propose groundwater cleanup levels in the Work Plan requested below.

3) Groundwater Monitoring needs to be reinstated – The groundwater contaminant concentrations noted above and historical groundwater analytical results indicates that an ongoing monitoring program is necessary. Please propose a groundwater monitoring program in the Work Plan requested below.

4) Groundwater Monitoring Well Locations – Monitoring wells exhibiting higher contaminant concentrations previously, were not sampled recently. M2, which was located close to and downgradient of the former underground gasoline tanks, and P-3, which was adjacent to one of the former pump islands, were omitted. On December 9, 1999, 11,000 ug/l TVH (g) and 560 ug/l Benzene were detected in M2, and 3,700 ug/l Benzene, was detected in P-3. Please propose sampling locations, which will be representative of conditions at the site and include areas where higher contaminant concentrations were found previously in the Work Plan requested below.

5) Historical Hydraulic Gradients – Please show using a rose diagram with magnitude and direction; include cumulative groundwater gradients in all future reports submitted for this site.

6) Preferential Pathway Survey – We request that you perform a preferential pathway study that details the potential migration pathways and potential conduits (wells, utilities, pipelines, etc.) for horizontal and vertical migration that may be present in the vicinity of the site.

- a) Utility Survey - Please submit map(s) and cross-sections showing the location and depth of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s). Evaluate the probability of the contaminant plumes encountering preferential pathways and conduits that could spread the contamination, particularly in the vertical direction to deeper water aquifers. Please submit with the Work Plan requested below.
- b) Well Survey – Locate wells within a quarter mile radius of the site. Show the location of the wells and the site on a map and tabulate well construction details for each well. Please submit with the Work Plan requested below.

7) Submerged Monitoring Well Screens for P-2, P-3, M-1, M-2, M-3, M-4, M-6 – During a major portion of the sampling events, the depth to groundwater has been above the top of the monitoring well screens. Please evaluate the effect of groundwater elevations rising above well screens on hydrocarbon concentrations and propose recommendations to augment or validate the groundwater concentrations obtained. Include, with your analysis, hydrographs for each monitoring well with groundwater elevation vs. time and plot TPH-G and benzene, and also indicate the top of screen elevations. Please submit with the Work Plan requested below.

8) Monitoring Well Screen Length - The monitoring well screen lengths are all 10 feet or greater. We request that your monitoring network be depth discrete, generally, screened intervals of 3 to 5 feet in length.

OTHER COMMENTS

9) Landowner Notification Requirement -

Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee titleholders to the site.

At this time we require that you submit a complete mailing list of all record fee title owners of the site, which states, at a minimum, the following:

A. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:

- OR -

B. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

In the future, for you to meet these requirements when submitting cleanup proposals or requests for case closure, ACEH requires that you:

1. Notify all current record owners of fee title to the site of any cleanup proposals or requests for case closure;
2. Submit a letter to ACEH which certifies that the notification requirement in 25297.15(a) of the Health and Safety Code has been met;
3. Forward to ACEH a copy of your complete mailing list of all record fee title holders to the site; and
4. Update your mailing list of all record fee titleholders, and repeat the process outlined above prior to submittal of any additional *Corrective Action Plan* or your *Request for Case Closure*.

Your written certification to ACEH (Item 2 above) must state, at a minimum, the following:

A. In accordance with Section 25297.15(a) of the Health & Safety Code, I, (name of primary responsible party), certify that I have notified all responsible landowners of the enclosed proposed action. (Check space for applicable proposed action(s)):

cleanup proposal (Corrective Action Plan)

request for case closure

local agency intention to make a determination that no further action is required

local agency intention to issue a closure letter

- OR -

B. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

TECHNICAL REPORT REQUEST

Please submit the following technical reports to Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:

February 22, 200~~4~~⁵ – Work plan

February 22, 200~~4~~⁵ - Professional Certification, Historical hydraulic gradients, Utility Survey, Well Survey, Submerged Monitoring Well Screens Evaluation


OTHER REQUEST

February 22, 200~~4~~⁵ – List of record fee titleholders

Messrs. Molnar and Yue
December 22, 2004
Page 5 of 5

If you have any questions, please call me at (510) 567-6746.

Sincerely,


Don Hwang

Hazardous Materials Specialist
Local Oversight Program

C: Aniko Molnar, 7 Morning Sun Ave., Mill Valley, CA 94941
Donna Drogos
File

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

RO0000001

January 14, 2003

Mr. Nicholas Molnar
c/o Aniko Molnar
775 E Blithedale Ave #325
Mill Valley, CA 94941

Mr. Raymond Yue
4098 Laguna Ave
Oakland, CA 94602

RE: Groundwater Monitoring at 2801 MacArthur Blvd, Oakland, CA

Dear Messrs. Molnar and Yue:

I have reviewed the case file to determine if closure is warranted at this time. In November 2000 and December 2001, the pit was overexcavated and confirmation soil samples were collected for BTEX analysis. Little or no BTEX was detected in the soil samples. None of the soil samples were analyzed for TPH as gasoline. Groundwater was last sampled in December 1999. At that time, a maximum of 32,000ppb TPHg and 3,700ppb benzene was identified in groundwater.

Before I can recommend closure for the site, it must be demonstrated that remedial actions conducted at the site was effective in reducing risk to human health or the environment. At a minimum, another round of groundwater monitoring should be conducted. Groundwater should be sampled in the first quarter 2003 and analyzed for TPHg,, BTEX, and MTBE.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

Rec'd 3/7/01

**ANIKO R. MOLNAR
Environmental Consultant**

February 26, 2001

Ms. Eva Chu
Alameda Health Care Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

RE: Documentation of Remediation
2801 MacArthur Blvd.
Oakland, CA
StID 23

Dear Ms. Chu:

The APA Fund has completed remediation at the above referenced site. The remediation was conducted in accordance with the Corrective Action Plan (CAP) prepared by Subsurface Consultants, Inc. (SCI) dated August 13, 1999. This plan was approved by you in a letter dated August 20, 1999. However, before the CAP could be implemented, minor changes were made to the Oakland Risk-Based Corrective Action (RBCA) model which needed to be incorporated into the CAP. The revised cleanup level for benzene was determined to be 43 ppm at 15 feet below ground surface (bgs) for commercial property uses and 1.3 ppm at 15 feet bgs for residential property use as documented by you in an email dated July 31, 2000.

The remediation was performed by WRS Infrastructure & Environment, Inc. (WRS) in November and December 2000. Sampling of the excavation sidewalls and bottom was conducted by Chaney, Walton & McCall (CW&M). As specified in the CAP, the remediation included excavation and removal of petroleum and benzene affected soils in the former pump island area extending west to include the area of boring B-9 and piezometer P-3 (shown on Figure 5 of the CAP). The depth of the excavation was approximately 15 feet bgs with the exception of the southwest corner which was excavated to a depth of 18 feet bgs. It was necessary to temporarily remove the existing canopy (which was subsequently replaced) and to permanently remove the former pump islands in order to excavate the affected soils.

Enclosed is a copy of CW&M's report documenting the confirmation sampling conducted prior to backfilling the excavation. All confirmation samples with the exception of CD-1 (a bottom sample collected at 15 feet bgs in the southwest corner) had benzene levels below detection limits. Sample CD-1 was found to have benzene at a concentration of 99 ug/kg, well below the cleanup level. However, because soils still appeared to be discolored in this area, the southwest corner was excavated to a depth of 18 feet bgs. The sample DC-18 was collected from the bottom of this corner at 18 feet bgs and was not found to have benzene above the detection limit. The excavation was backfilled with clean imported fill and was compacted to 95% compaction.

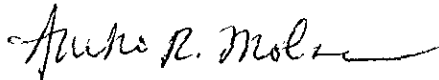
In addition, the piezometer P-3 was abandoned in accordance with the CAP so that the soil remediation could be completed. The 2-inch PVC piezometer was cut off 2 feet below the bottom of the excavation, the remaining 30 feet were tremied with neat cement from the bottom up to the cut off point. A concrete cap was placed on the top of the remaining PVC. This is documented in the monitoring well completion report which is enclosed.

I have enclosed the following backup documentation for your files: a copy of CW&M's report titled "Petroleum-Affected Soils Removal and Disposition Report dated January 29, 2001 which documents confirmation soil sampling; and information provided by WRS which includes a disposal summary, a backfill summary, waste manifests, weight tickets, and a well completion summary report.

Based on the successful completion of the corrective action plan for the site, we would like to request final site closure without deed restrictions. The risk assessment performed showed that a benzene cleanup level of 1.3 ppm would result in no risk to human health if the property use was residential (it is currently developed as commercial). We would also like to request permission to abandon the remaining monitoring wells and piezometers. The last groundwater monitoring event was conducted in December 1999 and is documented in a letter report by SCI dated March 10, 2000.

Please call me at 415.389.0810 if you have any questions regarding this submittal.

Sincerely,



Aniko R. Molnar
Representative for APA Fund, Ltd.

Cc: Nicholas D. Molnar, APA Fund Ltd. (w/o enclosures)
Raymond Yu, Property Owner (w/ enclosures)

Enclosures (2)



State Water Resources Control Board



Winston H. Hickox
Secretary for
Environmental
Protection

Division of Clean Water Programs
1001 I Street • Sacramento, California 95814 • (916) 341-5831
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120
FAX (916) 341-5806 • Internet Address: <http://www.swrcb.ca.gov/cwphome/ustcf>

Gray Davis
Governor

January 24, 2001

Nicholas Molnar
The A.P.A. Fund
440 Grand Ave #320
Oakland, CA 94610

EC

STID#3
RO 0000001

**REQUEST FOR ADDITIONAL INFORMATION FOR PRE-APPROVAL OF
CORRECTIVE ACTION COSTS,
CLAIM NO. 000023, PRE-APPROVAL NO. 5
SITE ADDRESS: 2801 MACARTHUR BLVD, OAKLAND, CA 94602**

I have reviewed your request, received on January 16, 2001, for pre-approval of corrective action costs.

Your pre-approval request submittal is incomplete and cannot be processed at this time. The following marked items were not included in your submittal and must be submitted before Fund staff can review and determine the reasonableness and necessity of the costs. I will place these documents in your claim file for future reference.

- A minimum of three competitive bids is required for the proposed scope of work.** The proposed corrective action activity in your Pre-Approval Request requires a minimum of three competitive bids. If the prime consultant or the prime contractor identified in the Pre-Approval Request has not been selected utilizing a competitive bid process, then a minimum of three bids must be received for their services. Three bids are required for all corrective action work. However, we typically only require the project to demonstrate compliance at the soil and groundwater investigation phase and the remediation phase. At least one competitive bid process must occur at each of these two phases.
- A completed "Cost Pre-Approval Request" form; signed by the claimant or an authorized representative.** I have enclosed with this letter a copy of the "Cost Pre-Approval Request" form; please use this form in the future to request pre-approval of corrective action costs. If an authorized representative signs the pre-approval request form, then an authorized representative form must be on file for this claim or submitted with your request.
- A complete and signed copy of the proposed investigative work plan, corrective action plan, or other work plan, including copies of all work plan addenda.**
- A signed copy of the appropriate lead regulatory oversight agency approval letter for the proposed plan and all addenda.**

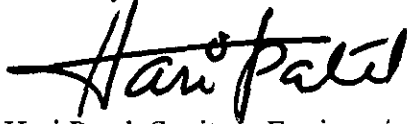
- A complete copy of the Request for Bids (RFB) and a list of all firms invited to bid.** It is strongly recommended that the RFB include a "fill-in-the-blanks" Bid Form identifying all major tasks of the proposed work along with the following minimum cost breakdown items for each task:
 - ◆ List of all staff/worker classifications and hourly rates of each to be utilized.
 - ◆ The number of hours to be utilized by each staff/worker
 - ◆ Subcontractor costs
 - ◆ Equipment costs
 - ◆ Itemized listing of estimated ancillary/incidental costs

- Complete copies of all bids and other correspondence received in response to the RFB.** All cost proposals should include the *completed* cost proposal breakdown, with task subtotals and a grand total cost for the entire scope of work.

- Per the Cleanup Fund Guidelines, Work is ineligible.** Asphalt paving work for the additional paving in the former Tank Pit area due to settlement is not eligible under the Cleanup Fund Guidelines. Costs associated with Tanks removal and/or replacement is ineligible.

If you need assistance in procuring contractor and consultant services or if you have any questions, don't hesitate to call me. I can be reached at (916) 341-5831.

Sincerely,



Hari Patel, Sanitary Engineering Associate
Technical Review Unit
Underground Storage Tank Cleanup Fund

Enclosure

cc: ✓ Mr. Thomas Peacock
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577



State Water Resources Control Board



Winston H. Hickox
Secretary for
Environmental
Protection

Division of Clean Water Programs
2014 T Street • Sacramento, California 95814 • (916) 227-7748
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120
FAX (916) 227-4530 • Internet Address: <http://www.swrcb.ca.gov/cwphome/ustcf>

Gray-Davis
Governor

August 14, 2000

Nicholas Molnar
The A.P.A. Fund
1904 Franklin St #501
Oakland, CA 94612

Handwritten notes and signatures: "2", "SAD", "RG", "00002", "PH 1002", "STO", "100001"

**PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 000023,
SITE ADDRESS: 2801 MACARTHUR BLVD, OAKLAND, CA 94602**

I have reviewed your request, received on July 21, 2000, for pre-approval of corrective action costs. I have included a copy of the "Cost Pre-Approval Request" form; please use this form in the future for requesting pre-approval of corrective action costs.

With the following provisions, the total cost pre-approved as eligible for reimbursement for completing the August 13, 1999, Subsurface Consultants, Inc. (SCI) workplan approved by the Alameda County EHD (County) in their August 20, 1999 letter, is **\$159,694**; see the table below for a breakdown of costs.

Be aware that this pre-approval does not constitute a decision on reimbursement: **necessary** (as determined by the Fund) corrective action costs for action work **directed and approved by the County** will be eligible for reimbursement at costs consistent with those pre-approved in this letter. However, depending on what happens in the field, some costs may not actually be necessary. If the Fund agrees that they were in fact necessary, the Fund will reimburse at reasonable rates (rates consistent with those pre-approved.)

In an effort to expedite future reimbursement requests associated with the implementation of the corrective action tasks pre-approved in this letter, we ask that the attached pre-approval specific reimbursement request form be completed, updated and submitted with each reimbursement request. All relevant supporting documentation must also be included with each reimbursement request.

In order for future costs for corrective action to be part of the expedited reimbursement process, they must be pre-approved in writing by Fund staff.

All costs for corrective action must meet the requirements of Article 11, Chapter 16, Underground Storage Tank Regulations in order to be eligible for reimbursement.

COST PRE-APPROVAL BREAKDOWN

#	Task*	Amount Pre-Approved	Comments
1	Mob/Demob of Equipment	\$3,890	Mobilization/Demobilization of Equipment
2	Safety Plan & Soil Excavation	\$1,822	Site Safety Plan, Soil Excavation and Stockpile Management Plan.
3	Execute Plan to maintain integrity of canopy	\$15,612	Execute Plan to maintain integrity of canopy or replace in current position. Pictures of the canopy (all four sides) before removal, during the on site storage, and after reinsatillation must be provided at the time of reimbursement in order for this task to remain eligible.
4	Removal and disposal of pump islands	0	This task is not approved.
5	Removal and disposal of underground piping	0	This task is not approved.
6	Pavement demolition and disposal	\$2,725	Pavement demolition and disposal (Assume 1800 sq. ft @ \$1.51 per sq. ft.)
7	Install and remove temporary Shoring	\$24,651	Install and remove temporary Shoring (approximately 172 ft.)
8	Excavate impacted soil	\$7,982	Excavate impacted soil (Assume 1000 cubic yards @ \$7.98/yd.)
9	Load and transport excavated soil	\$32,602	Load and transport excavated soil. The actual weight tickets and truckers manifest for soil transport must be provide in order for this task to remain eligible for reimbursement.
10	Excavate, Load and transport any additional impacted soil	0	This task is not approved.
11	Disposal of imapcted soil	\$24,299	The actual disposal manifest from the landfill must be provide in order for this task to remain eligible for reimbursement.
12	Disposal of any additional impacted soil	0	This task is not approved.

#	Task*	Amount Pre-Approved	Comments
13	Sampling and analysis	\$2,911	Sampling and analysis (for benzene) of sidewall (24 samples) and 4 bottom samples.
14	Dewatering cost	0	This task is not approved.
15	Transport and disposal of collected water	0	This task is not approved.
16	Transport and place clean backfill	\$33,716	Transport and place clean backfill (this includes compaction cost). Actual weight tickets of clean backfill purchase must be provided in order for this task to remain eligible for reimbursement.
17	Transport and place any additional clean backfill	0	This task is not approved.
18	Abandonment of one piezometer	\$2,192	All documentation must be provided at the time of reimbursement.
19	Remove and replace approx. 60 ft. of water line.	\$1,457	Provide copies of receipts.
20	Replacement of asphalt concrete pavement	\$3,868	Provide copies of receipts and a detailed breakdown of the labor cost.
21	Replacement of additional asphalt concrete pavement	0	This task is not approved.
22	Report	\$1,967	Preparation of technical documentation reports (draft and 3 copies of the final). A copy of the final report must be submitted to the Fund at the time of reimbursement.
TOTAL PRE-APPROVED		\$159,694	

* Task descriptions are the same as those identified in WRS Infrastructure & Environmental, Inc.'s July 11, 2000 Cost Estimate

- Only the tasks/costs reflected on the above table are pre-approved at this time. The Fund will review any tasks/cost that go beyond the pre-approved amount to be determined if the additional tasks and costs are necessary and reasonable. However, if costs exceed the above pre-approved amounts, the Fund will be unable to expedite your Reimbursement Request.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.

8/14
23 August 14, 2000

- If a different scope of work becomes necessary, then you must request pre-approval of costs on the new scope of work.
- All the tasks listed on this pre-approval must have a detailed breakdown of the labor hours and actual cost associated with each task (including all invoices for sub-contractor's work). This information must be provided at the time of reimbursement.
- Although I have referred to the WRS Infrastructure & Environmental, Inc. proposal in my pre-approval above, please be aware that you will be entering into a private contract: the State of California cannot compel you to sign any specific contract. This letter **pre-approves the costs as presented in the proposal dated July 11, 2000 by WRS Infrastructure & Environmental, Inc. for conducting the work approved by the County for implementing the August 13, 1999, Subsurface Consultants, Inc. (SCI) workplan.**

I also want to remind you that the Fund's regulations require that you obtain at least three bids, or a bid waiver from Fund staff, from qualified firms for all necessary future corrective action work. If you need assistance in procuring contractor and consultant services, don't hesitate to call me.

Please remember that it is still necessary to submit the actual costs of the work as explained in the Reimbursement Request Instructions to confirm that the costs are consistent with this pre-approval before you will be reimbursed. *Please insure that your consultant prepares their invoices to include the required breakdown of costs on a time and materials basis, that invoiced tasks are consistent with the original proposal, and that reasonable explanations are provided for any changes made in the scope of work or increases in the costs. When the invoices are submitted you must include copies of all:*

- *subcontractor invoices,*
- *technical reports, when available, and*
- *applicable correspondence from the County.*

Please call if you have any questions; I can be reached at (916) 227-7748.

Sincerely,

Sunil Ramdass
Sunil Ramdass, Water Resources Control Engineer
Technical Review Unit
Underground Storage Tank Cleanup Fund

Enclosure

cc: Eva Chu
✓ Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577

Chu, Eva, Public Health, EHS

From: Chu, Eva, Public Health, EHS
Sent: July 31, 2000 9:49 AM
To: 'Jerriann Alexander'
Cc: Chan, Barney, Public Health, EHS; 'armolnar@aol.com'
Subject: 2810 MacArthur Blvd., Oakland, CA

Hi JerriAnn and Aniko,

At last, our numbers match. You can clean up soil to 43ppm benzene at 15 feet bgs. Bear in mind that we will need a deed restriction for the property if that is the final concentration confirmed in soil. The alternative is to clean up to residential numbers, which is 1.3ppm, at 15 feet bgs. That will not required a deed restriction on the property.

Let me know and we can finalize everything. I'll be on vacation from August 2 through 25. If you proceed with overexcavation while I'm away, be sure you collected confirmation soil samples at the side walls at approximately 15 to 18 feet bgs at a rate of one/20 linear feet. Also a bottom center sample should be collected. If you have questions while I'm gone, you can try contacting Barney Chan at (510) 567-6765.

FINAL #s

Soil Contam @ 15' bgs

SCI wants cleanup to 43 ppm benzene in soil at 15' bgs. OK but will require deed restriction - only commercial use
 OR clean up to 1.3 ppm benzene w/ deed restriction

Sand Silt parameters
 Same input #s as SCI's

Input Parameters	Units	Residential		Commercial/ Industrial
		Child	Adult	Worker
Soil-Specific Parameters				
Capillary fringe thickness	cm	=adult residential	60.1	=adult residential
Capillary fringe air content	cm ³ /cm ³		0.020	
Capillary fringe water content	cm ³ /cm ³		0.38	
Fraction organic carbon (FOC*)	g oc/g soil		0.015	
Groundwater Darcy velocity	cm/yr		60	
Groundwater mixing zone thickness	cm		300	
Infiltration rate through the vadose zone	cm/yr		6	
Soil bulk density	g/cm ³		1.59	
Soil to skin adherence factor	mg/cm ²	0.5	0.5	0.5
Total soil porosity	cm ³ /cm ³	=adult residential	0.4	=adult residential
Vadose zone air content	cm ³ /cm ³		0.15	
Vadose zone water content	cm ³ /cm ³		0.25	
Vadose zone thickness	cm		759.9	
Structural and Climatic Parameters				
Areal fraction of cracks in building foundation	cm ² /cm ²	=adult residential	0.001	0.001
Foundation air content	cm ³ /cm ³		0.26	=adult residential
Foundation water content	cm ³ /cm ³		0.12	
Foundation thickness	cm		15	15
Lower depth of surficial soil zone	cm		100.0	=adult residential
Depth to subsurface soil sources	cm		457.2	
Depth to groundwater	cm		820	
Width of source area parallel to wind or groundwater flow direction	cm		1830	
Outdoor air mixing zone height	cm		200	
Particulate emission rate	g/cm ² -s		1.38E-11	1.38E-11
Wind speed above ground surface in outdoor air mixing zone	cm/s	322	=adult residential	

Inputs

Input Parameters	Units	Residential		Commercial/ Industrial
		Child	Adult	Worker
Exposure Parameters				
Averaging time for carcinogens	yr	=adult residential	70	=adult residential
Averaging time for non-carcinogens	yr	6	24	24
Averaging time for vapor flux	s	=adult residential	9.46E+08	7.88E+08
Body weight	kg	15	70	70
Building air volume/floor area	cm ³ /cm ²	=adult residential	229	305
Exposure duration	yr	6	24	24
Exposure frequency	d/yr	350	350	250
Exposure frequency to water used for recreation	d/yr	120	120	0
Exposure time to indoor air	hr/d	24	24	8
Exposure time to outdoor air	hr/d	16	16	8
Exposure time to water used for recreation	hr/d	2	1.0	0
Groundwater ingestion rate	L/d	1	2	1
Indoor air exchange rate	1/s	=adult residential	5.60E-04	1.40E-03
Indoor inhalation rate	m ³ /d	10	15	11
Ingestion rate of water used for recreation	L/hr	0.05	0.05	0
Outdoor inhalation rate	m ³ /d	10	20	20
Skin surface area exposed to soil	cm ²	2000	5000	5000
Skin surface area exposed to water used for recreation	cm ²	8000	20000	0
Soil ingestion rate	mg/d	200	100	50
TARGET RISK LEVELS				
Individual Excess Lifetime Cancer Risk	unitless	=adult residential	1.0E-05	1.0E-05
Hazard quotient	unitless		1.0	1.0

Table 2. Oakland Tier 1 RBSLs

Medium	Exposure Pathway	Land Use	Type of Risk	Acenaph-thene	Acenaph-thylene	Acetone	Anthra-cene	Arsenic	Barium	Benz(a)-anthracene	Benzene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	
Surficial Soil [mg/kg]	Ingestion/ Dermal/ Inhalation	Residential	Carcinogenic					3.2E+00		2.5E+00	2.7E+01	2.5E-01	2.5E+00	
			Hazard	3.1E+03	3.1E+03	4.7E+03	1.6E+04	2.0E+01	5.2E+03		8.0E+01			
		Commercial/ Industrial	Carcinogenic					1.6E+01		8.3E+00	8.8E+01	8.3E-01	8.3E+00	
			Hazard	2.0E-04	2.0E-04	3.0E+04	1.0E+05	2.5E-02	9.4E-04		5.1E+02			
Subsurface Soil [mg/kg]	Inhalation of Indoor Air Vapors	Residential	Carcinogenic							SAT	1.3E+00	SAT	SAT	
			Hazard	SAT	SAT	3.8E+03	SAT				4.2E+00			
		Commercial/ Industrial	Carcinogenic							SAT	4.3E+01	SAT	SAT	
			Hazard	SAT	SAT	SAT	SAT				2.5E+02			
	Inhalation of Outdoor Air Vapors	Residential	Carcinogenic							SAT	7.6E+01	SAT	SAT	
			Hazard	SAT	SAT	SAT	SAT				3.0E+02			
		Commercial/ Industrial	Carcinogenic							SAT	3.4E+02	SAT	SAT	
			Hazard	SAT	SAT	SAT	SAT				SAT			
	Ingestion of Groundwater Impacted by Leachate	Residential	Carcinogenic						3.8E+00	1.1E+02	8.8E+00	2.8E-03	8.1E+00	2.7E+01
			Hazard	2.6E+02	1.8E+02	6.9E-01	SAT	3.8E+00	1.1E+02		2.8E-03	8.1E+00		
		Commercial/ Industrial	Carcinogenic					3.8E+00	1.1E+02	3.9E+01	2.8E-03	8.1E+00	SAT	
			Hazard	SAT	SAT	4.5E+00	SAT	3.8E+00	1.1E+02		2.8E-03	8.1E+00		
Groundwater [mg/l]	Inhalation of Indoor Air Vapors	Residential	Carcinogenic							>SOL	3.6E+00	>SOL	>SOL	
			Hazard	>SOL	>SOL	2.5E+04	>SOL				1.2E+01			
		Commercial/ Industrial	Carcinogenic							>SOL	1.2E+02	>SOL	>SOL	
			Hazard	>SOL	>SOL	>SOL	>SOL				7.1E+02			
	Inhalation of Outdoor Air Vapors	Residential	Carcinogenic							>SOL	9.0E+02	>SOL	>SOL	
			Hazard	>SOL	>SOL	>SOL	>SOL				>SOL			
		Commercial/ Industrial	Carcinogenic							>SOL	>SOL	>SOL	>SOL	
			Hazard	>SOL	>SOL	>SOL	>SOL				>SOL			
	Ingestion of Groundwater	Residential	Carcinogenic						5.0E-02	1.0E+00	5.6E-04	1.0E-03	2.0E-04	5.6E-04
			Hazard	9.4E-01	9.4E-01	1.6E+00	>SOL	5.0E-02	1.0E+00		1.0E-03	2.0E-04		
		Commercial/ Industrial	Carcinogenic					5.0E-02	1.0E+00	2.5E-03	1.0E-03	2.0E-04	>SOL	
			Hazard	>SOL	>SOL	1.0E+01	>SOL	5.0E-02	1.0E+00		1.0E-03	2.0E-04		
Water Used for Recreation [mg/l]	Ingestion/ Dermal	Residential	Carcinogenic					2.0E-02		1.6E-04	6.3E-02	1.1E-05	1.1E-04	
			Hazard	1.1E+00	1.7E+00	4.2E+01	>SOL	1.2E-01	2.8E+01		1.8E-01			

*Italicized concentrations based on California MCLs
 SAT = RBSL exceeds saturated soil concentration of chemical
 >SOL = RBSL exceeds solubility of chemical in water

Chu, Eva, Public Health, EHS

From: Jeriann Alexander[SMTP:jalexander@SUBSURFACECONSULTANTS.COM]
Sent: July 20, 2000 9:49 AM
To: EChu@co.alameda.ca.us
Subject: RE: 2801 MacArthur Blvd, Oakland

I had Gene recheck all the input parameters we had used previously. He changed the width based on the groundwater plume geometry which suggests a plume 60 feet wide parallel to the flow direction. The default matches the impacted soil area which is only 50 feet wide. Changing the value from 1500 to 1830 or visa versa does not change the resulting RBSL. However as mentioned yesterday, the parameters which have a great influence on the RBSL's are the exposure parameters.
Jeriann

>>> "Chu, Eva, Public Health, EHS" <EChu@co.alameda.ca.us> 07/19/00 03:02PM >>>
I forgot to mention, that your input for width of surface area parellel to wind or groundwater flow direction is currently 1830cm. Previously, you had used 1500cm. I think my spreadsheet used 1500 cm. Is there a reason for the change?

> -----
> From: Jeriann Alexander[SMTP:jalexander@SUBSURFACECONSULTANTS.COM]
> Sent: July 19, 2000 2:58 PM
> To: EChu@co.alameda.ca.us
> Subject: Re: 2801 MacArthur Blvd, Oakland

> The difference stems from SCI using an 8 hour/day exposure time over 24 year duration vs. 9 hour/day and 25 years. The Oakland RBCA technical manual indicates that these values (9/25) are conservative. In fact the 9 hour work day assumes 8 hours inside and one hour for lunch onsite yet outside. Most of the risk assessments I have reviewed use the 8/24 scenario.

2.54cm = 1"
x 12 12

> I have not talked with Aniko yet.

> >>> "Chu, Eva, Public Health, EHS" <EChu@co.alameda.ca.us> 07/17/00 10:41AM >>>
> Jerriann,

30.48cm / ft

> I received Gene's fax transmittal of the RBSLs determined for Aniko's site. I input the site specific data into the RBCA you had sent over and we still get two different RBSLs. I got 36mg/kg and SCI came up with 43mg/kg. See my attached spreadsheet:

> <<Oakland RBCA for 2801 MacArthur-d.xls>>

> I'm not familiar with looking into the heart of the spreadsheet. And I'm not sure if the time spend to see where the discrepancy lies is the best use of money in this case. If we can agree on a cleanup level of 36mg/kg, let's move on with the project and get Aniko to agree. I await your comments.

Chu, Eva, Public Health, EHS

From: Chu, Eva, Public Health, EHS
Sent: July 17, 2000 1:00 PM
To: 'armolnar@aol.com'
Subject: 2801 MacArthur Blvd., Oakland, CA

Aniko,

In August 1999 a Corrective Action Plan was submitted by Subsurface Consultants (SCI). In this CAP a cleanup level (SSTL) of 51 mg/kg for benzene was established for soil at a depth of 15 feet bgs using the Oakland RBCA spreadsheet for a sandy silt classification. The proposal to excavate soil in the vicinity of the former dispenser islands until benzene concentrations were below the established SSTLs was approved by me.

Before the CAP could be implemented, minor changes were made to the Oakland RBCA. In May 24, 2000, we met to discuss the revised Oakland RBCA and to re-evaluate if the changes to the RBCA would affect the SSTLs. I am still finalizing SSTLs with SCI.

In the meantime, you should proceed with the implementation of the CAP. The new SSTLs will be established by the time excavation commences at the site.

If you have any questions, please don't hesitate to call.

Chu, Eva, Public Health, EHS

From: Roger Brewer[SMTP:Rdb@rb2.swrcb.ca.gov]
Sent: May 22, 2000 4:34 PM
To: EChu@co.alameda.ca.us
Subject: Inhalation rates

Eva,

Got your message. The default inhalation rate I use (same as USEPA Region IX) for adults in general is 20 m³ per day (10 m³/day for children). For residents, this assumes a 24 hour time period. For workers, this assumes an eight to ten hour work day (i.e., 20 m³ per work day, assuming hey breath harder at work!).

A common mistake I see in risk assessments for workers is the use of a general inhalation rate of 20m³ per day (i.e., per 24 hours) instead of 20m³ per work day. This gives a daily inhalation rate of ten m³/day or less. If this is what they assumed then the 11 m³/day inhalation rate is not valid.. My guess is that the 11 m³/day inhalation rate is from the 1997 USEPA Exposure Handbook. If so, they need to make this reference.

In my humble opinion, they should start with 20 m³/day because that's what USEPA and, now that we have our RBSL lookup tables document, the RWQCB use as a default. This helps make risk assessments more consistent risk assessments more consistent from site to site. If the risk doesn't pass, they can reference other published exposure assumptions (including inhalation rates) to make the risk assessment more reflective of other risk assessment work.

Send a note or give me a call if you have any questions.

Roger D. Brewer
Associate Engineering Geologist
Bay Area Water Board
tel: 1-510-622-2374
fax: 1-510-622.2460
rdb@rb2.swrcb.ca.gov

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

StID 23

August 20, 1999

Ms. Aniko Molnar
7 Morning Sun Avenue
Mill Valley, CA 94941

45(389-0810

RE: CAP Approval for 2801 MacArthur Blvd., Oakland, CA

Dear Ms. Molnar:

I have completed review of Subsurface Consultants, Inc.'s August 1999 *Corrective Action Plan* prepared for the above referenced site. Three corrective action alternatives (natural attenuation, enhanced bioremediation, and excavation) were evaluated to address residual hydrocarbon contamination in the vadose zone. It was determined that excavation of benzene-impacted soil would be most immediate and cost-effective for the site. Therefore, the proposal to excavate the pump island area to a depth of 15 feet below grade is acceptable.

Please provide an update on whether the station building will be demolished. Also, I need to be present for the collection of soil samples upon completion of excavation.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

c: Gene Ng, SCI, 3736 Mt. Diablo Blvd., Suite 200, Lafayette, CA 94549

ANIKO R. MOLNAR
Environmental Consultant

June 17, 1999

Ms. Eva Chu
Alameda Health Care Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

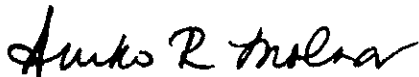
RE: Remediation at 2801 MacArthur Blvd.
Oakland, CA
StID 23

Dear Ms. Chu:

This letter is to confirm our verbal request on June 9th for an extension of the deadline for submittal of a workplan for soil remediation for the above referenced site. Your letter dated March 8, 1999 requested that a workplan be submitted by June 11, 1999. As you know, we needed to request preapproval from the State Water Resources Control Board to do this work to assure reimbursement from the UST Fund. In obtaining the preapproval we were also informed that in accordance with the UST Fund guidelines a corrective action plan (CAP) needs to be submitted.

Our revised schedule is to perform groundwater sampling during the last week in June and to submit the CAP on July 23, 1999. Please call me at (415) 389-0810 if you have any questions regarding this.

Sincerely,



Aniko R. Molnar

Cc: Jeriann Alexander, Subsurface Consultants Inc. ✓
Nicholas Molnar, APA Fund

99 JUN 18 PM 3:15
ENVIRONMENTAL
PROTECTION



State Water Resources Control Board



Winston H. Hickox
Secretary for
Environmental
Protection

Division of Clean Water Programs
2014 T Street • Sacramento, California 95814 • (916) 227-7887
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120
FAX (916) 227-4530 • Internet Address: <http://www.swrcb.ca.gov/~cwphome/ustcf>

Gray Davis
Governor
CALIFORNIA
ENVIRONMENTAL
PROTECTION
99 APR 30 PM 1:44

April 28, 1999

Mr. Nicholas Molnar
The A.P.A. Fund
1904 Franklin St #501
Oakland, CA 94612

PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 000023
SITE ADDRESS: 2801 MACARTHUR BLVD, OAKLAND, CA 94602

I have reviewed your request for pre-approval of costs to **prepare a corrective action plan and conduct one year of semi-annual groundwater monitoring at the subject site.** This pre-approval letter is specific to the April 7, 1999 proposal by Subsurface Consultants, Inc. (SCI) With the following provisions, the total cost pre-approved as eligible for reimbursement is **\$12,000.**

Based on Fund experience with similar scopes of work, the proposed corrective action costs appear to be high. Specifically, the staff billing rates by SCI appear high for the level of work conducted. I am able to pre-approve the corrective action costs at the following staff billing rates: Principal Scientist at \$120/hr, Associate Engineer at \$100/hr, Staff Engineer at \$70/hr, Drafting at \$45/hr, and Clerical at \$35/hr. The adjusted rates are consistent with the costs pre-approved in the July 14, 1998 Fund letter.

Please be aware that this pre-approval does not constitute a decision on reimbursement: **all reasonable and necessary** corrective action costs for work **directed and approved by the County** will be eligible for reimbursement per the terms of your Letter of Commitment at costs consistent with those pre-approved in this letter.

All future costs for corrective action must be approved in writing by Fund staff.

Future costs for corrective action must meet the requirements of Article 11, Chapter 16, Underground Storage Tank Regulations.

COST PRE-APPROVAL BREAKDOWN

Task	Amount Pre-Approved	Comments
Task 1. Groundwater Monitoring	\$7860	Includes semi-annual monitoring of 6 wells, preparation of quarterly reports, and waste disposal.
Task 2. Preparation of Corrective Action Plan	\$4,140	
TOTAL PRE-APPROVED	\$ 12,000	

- The actual costs and scope of work performed must be consistent with the pre-approval for it to remain valid.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.
- It is my opinion that it is unnecessary to obtain three bids for this scope of work; the Fund's three bid requirement is waived for this scope of work.
- If a different scope of work becomes necessary, then you must request pre-approval of costs on the new scope of work.
- Although I have referred to the SCI proposal in my pre-approval above, please be aware that you will be entering into a private contract; the State of California cannot compel you to sign any specific contract.

It is still necessary to submit the actual costs of the work as explained in the Reimbursement Request Instructions to confirm that the costs are consistent with this pre-approval before you will be reimbursed. **Please insure that your consultant prepares their invoices to include the required break down of costs on a time and materials basis, that invoiced tasks are consistent with the original proposal, and that reasonable explanations are provided for any changes made in the scope of work or increases in the costs.** When the invoices are submitted you must include copies of all:

- subcontractor invoices,
- technical reports, when available, and
- applicable correspondence from the County.

Fund regulations require you to obtain at least three bids to implement the corrective action plan. The legislation governing the Fund requires that the Fund assist you in procuring contractor and consultant services for corrective action. If you need assistance in contracting for corrective action services, don't hesitate to call me.

Please call if you have any questions; I can be reached at (916) 227-7887.

Sincerely,



Quynh Hoa, Water Resources Control Engineer
Technical Review Unit
Underground Storage Tank Cleanup Fund

The A.P.A. Fund

-3-

April 28, 1999

cc:

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

Ms. Aniko Molnar
775 E. Blithedale
Mill Valley, CA 94941



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

StID 23

March 8, 1999

Ms Aniko Molnar
7 Morning Sun Ave
Mill Valley, CA 94941

RE: Soil Remediation at 2801 MacArthur Blvd., Oakland, CA

Dear Ms. Molnar:

I have completed review of Subsurface Consultants, Inc.'s February 1999 *Additional Investigation* report prepare for the above referenced site. This report summarized results of soil vapor and soil sampling at three selected locations. Soil vapor analytical results exceeded the SF-RWQCB's Draft RBSLs (Recommended Maximum Allowable Concentrations of BTEX in Vapor at 3 Feet Below Ground Surface, No Building Slab Assumed) by two orders of magnitude for benzene. And, analytical results for benzene from soil samples collected at 10' and 15'bgs exceeded ASTM's Tier 1 RBSL Look-Up Table by one and two orders of magnitude for exposure via soil volatilization to outdoor air and soil vapor intrusion from soil to buildings, respectively. A target risk of one in 100,000 was assumed for each exposure pathway.

Before site closure can be granted, the elevated benzene concentrations in soil must be remediated to levels which would be protective of construction and utility workers, and for the future construction of a commercial structure. Overexcavation of hydrocarbon impacted soil may be most feasible. A workplan to remediate soil contamination is due within 90 days of the date of this letter, or **by June 11, 1999**.

Finally, the groundwater monitoring frequency may be reduced to a semi-annual basis. Groundwater should be sampled in the first and third quarter of each year until further notice. If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

6/9/99 Approve Extension for WP to July 23, 1999

c: Meg Mendoza
Subsurface Consultants
3736 Mt. Diablo Blvd., Suite 200
Lafayette, CA 94549-3659

apafund-5

ENVIRONMENTAL
PROTECTION

99 FEB 10 PM 3: 29

Aniko R. Molnar
Environmental Consultant

February 8, 1999

Ms. Eva Chu
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Transmittal
Additional Investigation at StID 23
2801 MacArthur Boulevard
Oakland, California

Dear Ms. Chu:

This letter transmits Subsurface Consultants, Inc. (SCI) report, dated February 8, 1999, summarizing results of a soil and soil vapor sampling investigation conducted at the above referenced site. The data indicates that elevated concentrations of petroleum hydrocarbon compounds are present in soil and soil vapor in the area of the former pump islands

Following your review of the enclosed report, I would like to schedule a meeting to discuss potential courses of future action. Please be reminded that A.P.A. Fund is not the property owner, and the current property owner expects to be able to redevelop the property without deed restrictions.

If you have any questions, please call me at (415) 389-0810.

Very truly yours,



Aniko Molnar

Enclosure. SCI report dated January 22, 1999, Additional Investigation, StID 23, 2801 MacArthur Boulevard. Oakland, California

cc: A.P.A. Fund Ltd., c/o Mr. Nicholas Molnar (w/o enclosure)
Meg Mendoza, Subsurface Consultants, Inc. (w/o enclosure)



Peter M. Rooney
Secretary for
Environmental
Protection

State Water Resources Control Board

John P. Caffrey, Chairman

ENVIRONMENTAL PROTECTION
98 JUL 16 PM 4:03
Pete Wilson
Governor

Division of Clean Water Programs

2014 T Street, Suite 130 • Sacramento, California 95814 • (916) 227-7887 FAX (916) 227-4530
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120
Internet Address: <http://www.swrcb.ca.gov/~cwphome/ustcf/fundhome.htm>

July 14, 1998

Nicholas Molnar
The A.P.A. Fund
1904 Franklin St #501
Oakland, CA 94612

PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 23
SITE ADDRESS: 2801 MACARTHUR BLVD, OAKLAND, CA 94602

I have reviewed your pre-approval request for **additional soil investigation followed by a Risk Based Corrective Action (RBCA) Tier II analysis**. This pre-approval is specific to the activities as outlined in the May 8, 1998 proposal from Subsurface Consultants, Inc. (SCI) and supercedes my previous pre-approval letter dated June 11, 1998.

With the following provisions, the total cost pre-approved as eligible for reimbursement for completing the April 7, 1998, Subsurface Consultants workplan approved by the Alameda County EHD in their June 1, 1998 letter, is not to exceed \$ 9,280, please refer to the table below for a breakdown of costs.

As discussed with Ms. Aniko Molnar, the Fund had concerns regarding SCI's high staff billing rates which result in corrective actions costs that are high for the scope of work and exceed the costs established by the Fund Cost Guidelines. Based on my discussion with Ms. Molnar, this letter adjusts the pre-approved staff billing rates based on the SCI rates which were allowed on your last reimbursement request. The adjustments are as follows:

CLER	\$35
WPO	\$35
DRFT	\$45
TECH	\$55
GEO	\$70
ENGR	\$70
ASSOC	\$100
PRIN	\$120

As mentioned in my previous letter, I am unable to pre-approve the costs associated with work plan preparation and pre-approval assistance since the work has already been performed. You may submit these costs with the next reimbursement request for eligibility determination. Corrective action costs which the Fund deems reasonable and necessary will be reimbursed.

Please be aware that this pre-approval does not constitute a decision on reimbursement: **all reasonable and necessary** corrective action costs for work **directed and approved by the County** will be eligible for reimbursement per the terms of your Letter of Commitment at costs consistent with those pre-approved in this letter.

Fund Cost Guideline will be sent.

All future costs for corrective action must be approved in writing by Fund staff. Future costs for corrective action must meet the requirements of Article 11, Chapter 16, Underground Storage Tank Regulations.

COST PRE-APPROVAL BREAKDOWN

Task	Amount Pre-Approved	Comments
Regulatory Agency Correspondence	\$760	SCI Labor - 8 engr hrs and 2 assoc hrs.
Soil Investigation	\$6135	<p><u>Engineering (\$1580)</u></p> <ul style="list-style-type: none"> • SCI Labor - 8 tech. hrs, 12 engr. hrs, 2 assoc. hrs, and 0.5 prin. hrs. • \$40 for vehicle usage. <p><u>Analytical (\$2289)</u></p> <ul style="list-style-type: none"> • 6 vapor analyses for TVH/BTEX (including rapid turnaround) @ \$250/test. • If vapor results exceed RBCA Tier 1 risk values, up to 6 soil analyses for TVH-g/BTEX @ \$60/test. • Shipping & containers @ \$150. <p><u>Subcontractor (\$2266)</u></p> <ul style="list-style-type: none"> • \$1610 for driller (3 Geoprobe borings to approx. 30 ft). • \$345 for concrete coring. • \$311 for utility locator.
Report Preparation	\$2385	<ul style="list-style-type: none"> • SCI Labor - 1 cler. hr, 2 wpo hrs, 2 drft. hrs, 12 geo. hrs, 12 engr. hrs, 4 assoc. hrs, and 1 prin. hr.
TOTAL PRE-APPROVED	\$ 9,280	

- The actual costs and scope of work performed must be consistent with the pre-approval for it to remain valid.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.
- If a different scope of work becomes necessary, then you must request pre-approval of costs on the new scope of work.
- Although I have referred to the proposal in my pre-approval above, please be aware that you will be entering into a private contract: the State of California cannot compel you to sign any specific contract.

Nicholas Molnar
The A.P.A. Fund

-3-

July 14, 1998

Please remember that it is still necessary to submit the actual costs of the work as explained in the *Reimbursement Request Instructions* to confirm that the costs are consistent with this pre-approval before you will be reimbursed. **To make this easier, insure that your consultant prepares his invoices to match the format of the original estimate, and provides reasonable explanations for any changes made in the scope of work or increases in the costs.** When the invoices are submitted you must include copies of all:

- subcontractor invoices,
- technical reports, when available, and
- applicable correspondence from the County.

Also, Fund regulations require that you obtain at least three bids, or a bid waiver from Fund staff, from qualified firms for the next phase of corrective action work. If you need assistance in contracting for corrective action services, don't hesitate to contact me.

Please call if you have any questions; I can be reached at (916) 227-7887.

Sincerely,



Quynh Hoa, Water Resources Control Engineer
Technical Review Unit
Underground Storage Tank Cleanup Fund

cc:

✓ Ms. Eva Chu
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577

Ms. Aniko Molnar
Environmental Consultant
7 Morning Sun Ave.
Mill Valley, CA 94941





Cal/EPA

**State Water
Resources
Control Board**

Division of
Clean Water
Programs

Mailing Address:
P.O. Box 944212
Sacramento, CA
94244-2120

2014 T Street,
Suite 130
Sacramento, CA
95814
(916) 227-7887
FAX (916) 227-4530

World Wide Web
<http://www.swrcb.ca.gov/~cwphome/fundhome.htm>

June 11, 1998

Nicholas Molnar
The A.P.A. Fund
1904 Franklin St #501
Oakland, CA 94612

RECEIVED
JUN 16 1998

ENVIRONMENTAL HEALTH SERVICES
NORTH COUNTY



Pete Wilson
Governor

**PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 23
SITE ADDRESS: 2801 MACARTHUR BLVD, OAKLAND, CA 94602**

I have reviewed your request, received on May 11, 1998, for pre-approval of corrective action costs; I will place these documents in your file for future reference. This letter pre-approves the work as presented in the proposal, dated May 8, 1998, by Subsurface Consultants, Inc. for **additional soil investigation to complete RBCA Tier 2 assessment.**

With the following provisions, the total cost pre-approved as eligible for reimbursement for completing the April 15, 1998, Subsurface Consultants, Inc. workplan approved by the Alameda County EHD in their June 1, 1998 letter, is \$ **8,848**; see the table for a breakdown of costs.

I am unable to authorize the costs associated with work plan preparation and pre-approval assistance, as the work has already been performed. You may submit these costs with the next reimbursement request for eligibility determination.

In the absence of competitive bids for the work, it was necessary to adjust staff billable rates in order to align them with those costs typically seen for similar scopes of work. The adjustments were made based on the USTCF Cost Guidelines and are as follows:

CLER	\$35/hr
WPO	\$35/hr
DRFT	\$45/hr
TECH	\$50/hr
GEO	\$65/hr
ENGR	\$65/hr
ASSOC	\$80/hr
PRIN	\$105/hr

Be aware that this pre-approval does not constitute a decision on reimbursement: all reasonable and necessary corrective action costs for work directed and approved by the County will be eligible for reimbursement per the terms of your Letter of Commitment at costs consistent with those pre-approved in this letter.

***All future costs for corrective action must be approved in writing by Fund staff.
Future costs for corrective action must meet the requirements of
Article 11, Chapter 16, Underground Storage Tank Regulations.***

COST PRE-APPROVAL BREAKDOWN

Task	Amount Pre-Approved	Comments
Regulatory Agency Correspondence	\$680	• SCI Labor - 8 engr. hrs and 2 assoc. hrs.



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.

Task	Amount Pre-Approved	Comments
Soil Investigation	\$5987.50	<p><u>Engineering (\$1432.50)</u></p> <ul style="list-style-type: none"> • SCI Labor - 8 tech. hrs, 12 engr. hrs, 2 assoc. hrs, and 0.5 prin. hrs. • \$40 for vehicle usage, charged @ mileage rate only. <p><u>Analytical (\$2289)</u></p> <ul style="list-style-type: none"> • 6 vapor analyses for TVH/BTEX (including rapid turnaround) @ \$250/test. • If vapor results exceed RBCA Tier 1 risk values, up to 6 soil analyses for TVH-g/BTEX @ \$60/test. • Shipping & containers @ \$150. <p><u>Subcontractor (\$2266)</u></p> <ul style="list-style-type: none"> • \$1610 for driller (3 Geoprobe borings to approx. 30 ft). • \$345 for concrete coring. • \$311 for utility locator.
Report Preparation	\$2180	<ul style="list-style-type: none"> • SCI Labor - 1 cler. hr, 2 wpo hrs, 2 drft. hrs, 12 geo. hrs, 12 engr. hrs, 4 assoc. hrs, and 1 prin. hr.
TOTAL PRE-APPROVED	\$ 8,848	

- The actual costs and scope of work performed must be consistent with the pre-approval for it to remain valid.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.
- If a different scope of work becomes necessary, then you must request pre-approval of costs on the new scope of work.
- Although I have referred to the Subsurface Consultants, Inc. proposal in my pre-approval above, please be aware that you will be entering into a private contract: the State of California cannot compel you to sign any specific contract.

Please remember that it is still necessary to submit the actual costs of the work as explained in the *Reimbursement Request Instructions* to confirm that the costs are consistent with this pre-approval before you will be reimbursed. **To make this easier, insure that your consultant prepares his**



Nicholas Molnar
The A.P.A. Fund

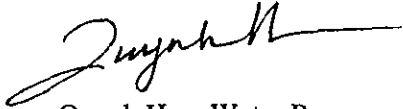
-3-

invoices to match the format of the original estimate, and provides reasonable explanations for any changes made in the scope of work or increases in the costs. When the invoices are submitted you must include copies of all:

- subcontractor invoices,
- technical reports, when available, and
- applicable correspondence from the County.

Please don't hesitate to call should you have any questions; I can be reached at (916) 227-7887.

Sincerely,



Quynh Hoa, Water Resources Control Engineer
Technical Review Unit
Underground Storage Tank Cleanup Fund

cc:

✓ Ms. Eva Chu
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

StID 23

June 1, 1998

Ms Aniko Molnar
7 Morning Sun Ave
Mill Valley, CA 94941

RE: Workplan Approval for 2801 MacArthur Blvd., Oakland, CA

Dear Ms Molnar:

I have completed review of Subsurface Consultants, Inc's April 1998 "Work Plan, Additional Soil Investigation" report for the above referenced site. The proposal to collect soil vapor samples from three feet and six feet below grade near Boring B-9 and the former pump islands is acceptable. The soil-gas sample results (for TPHg and BTEX) may be averaged and compared with the Risk Based Screening Levels (RBSLs) established by the SF-RWQCB (see attachment).

In addition, soil samples will be collected from each boring. It is recommended that soil samples be collected at 10' and 15' bgs only. If the soil gas samples contain BTEX concentrations above the RBSLs, then the soil samples will be analyzed for TPHg, BTEX, and MTBE. Field work should commence within 60 days of the date of this letter.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

Attachment

c: Meg Mendoza, SCI, 3736 Mt Diablo Blvd, Suite 200, Lafayette, CA 94549
Ms. Quynh Hoa, UST Cleanup Fund

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

StID 23

January 13, 1998

Ms. Aniko Molnar
1920 Main Street, Suite 400
Irvine, CA 92714

RE: Soil Gas Survey at 2801 MacArthur Blvd, Oakland, CA 94602

Dear Ms. Molnar:

In 1997 an RBCA Tier 2 site analysis for soil and groundwater was performed for the above referenced site. Benzene concentrations in soil from the area of boring B-9 exceeded the site specific target levels of 0.25 mg/kg. Because soil data used for the risk assessment was collected eight years ago and with the likelihood that natural attenuation occurs at the site, Subsurface Consultants, Inc recommended that current soil data be collected to determine if volatilization of chemicals is still a concern.

At this time, you should conducted a soil vapor study in the vicinity of boring B-9 using Summa cannisters. Soil vapors should be collected from 3' and 6'bgs and analyzed for TPHg and BTEX. Please submit a workplan for this next phase of investigation within 45 days of the date of this letter.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

c: Meg Mendoza, SCI, 3736 Mt. Diablo Blve, Suite 200, Lafayette,
CA 94549

R. William Rudolph, Jr., PE
Thomas E. Cundey, PE
Jeriann N. Alexander, PE

November 1, 1995
SCI 838.003

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway #250
Alameda, California 94502-6577

Evaluation of Corrective Action
2801 MacArthur Boulevard
Oakland, California

Dear Ms. Chu:

This letter summarizes items discussed regarding corrective action at the referenced site during a October 17, 1995 meeting with Ms. Aniko Molnar, a representative of a responsible party (A.P.A. Fund, Ltd.) and yourself. After a discussion of the site parameters (i.e. groundwater depths greater than 20 feet, soil contamination at depths of 30 to 35 feet, soil permeability's which result in relatively slow recovery/migration rates, a contaminant plume that has not migrated significantly beyond the property limits) and review of several years of groundwater monitoring, it was agreed that a preliminary evaluation of the need for corrective action should be based on an assessment of risk. In this regard, SCI will conduct an assessment of corrective action requirements in accordance with the guidelines presented in ASTM ES 38-94, Risk-Based Corrective Action Applied at Petroleum Release Sites (RBCA). The results of the RBCA analysis will be presented to the Alameda Health Care Services Agency at your attention for your review and comment.

In the event that corrective action is warranted, remedial technologies including insitu and enhanced insitu bioremediation will be initially evaluated. The ACHCSA will be informed of future monitoring studies that SCI conducts at the site.

Re-implementation of a groundwater monitoring program was also discussed during the meeting. Three piezometers and six wells have been periodically monitored since 1990. Contaminant concentration trends indicate that fluctuations occur between the events performed at the end of the wet season and those performed at the end of the dry season. In addition, some of the wells provide duplicative information given their proximity to other wells, while others may be monitoring conditions which are significantly removed from the tank area. As a result, the previous monitoring program will be revised as presented below. Well locations are shown on the attached plan.

■ **Subsurface Consultants, Inc.**

171 12th Street • Suite 201 • Oakland, California 94607 • Telephone 510-268-0461 • FAX 510-268-0137

Ms. Eva Chu
Hazardous Materials Specialist
November 1, 1995
SCI 838.003
Page 2

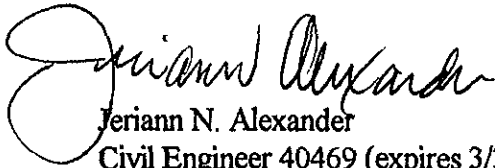
Revised Monitoring Program

<u>Well No.</u>	<u>Location</u>	<u>Impact</u>	<u>Analytes</u>	<u>Sampling Frequency</u>
P-1	Cross-/Downgradient	Yes	TVH, BTEX	None
P-2	Downgradient	Yes	TVH, BTEX	Semi-annual (Apr./Oct.)
P-3	Cross-/Downgradient	Yes	TVH, BTEX	Annual (Oct.)
M-1	Source Area	Yes	TVH, BTEX	None
M-2	Source Area	Yes	TVH, BTEX	Semi-annual (Apr./Oct.)
M-3	Cross-gradient	No	TVH, BTEX	None
M-4	Downgradient	Yes	TVH, BTEX	Semi-annual (Apr./Oct.)
M-5	Downgradient	No	TVH, BTEX	Semi-annual (Apr./Oct.)
M-6	Downgradient	Yes	TVH, BTEX	Quarterly

SCI is proceeding with the RBCA analysis and the October monitoring event was performed on October 27 - November 1, 1995. If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.



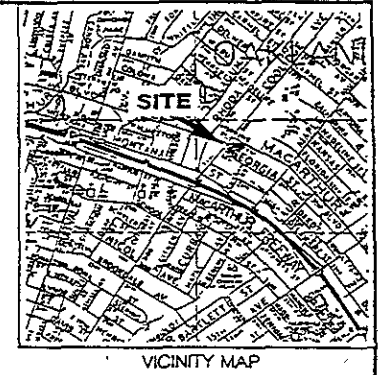
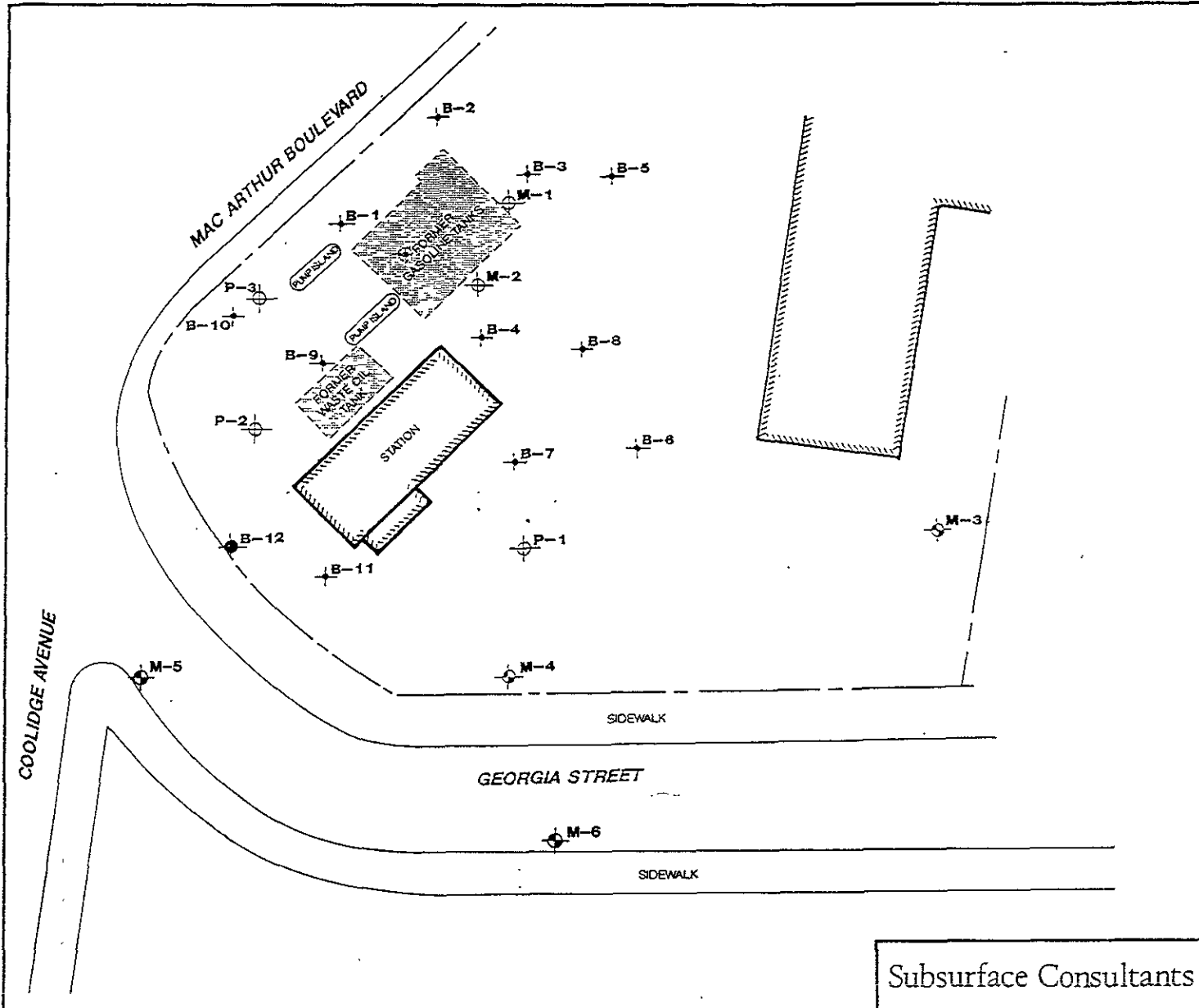
Jerian N. Alexander
Civil Engineer 40469 (expires 3/31/99)

JNA:RWR:sld

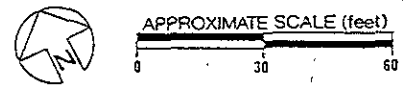
Attachment: Site Plan

cc. Ms. Aniko Molnar
Environmental Consultant

Mr. Nicholas Molnar
A.P.A. Fund, Ltd.



- TEST BORING BY SCI
- MONITORING WELL BY SCI
- ✦ TEST BORING BY OTHERS
- ⊕ MONITORING WELL BY OTHERS
- ▨ FORMER EXCAVATION
- - - PROPERTY BOUNDARY
- ▨ EXISTING BUILDING



SITE PLAN		
2801 MAC ARTHUR BLVD. - OAKLAND, CA		PLATE
JOB NUMBER	DATE	APPROVED
838.001	5/26/94	1

Subsurface Consultants

ENVIRONMENTAL
PROTECTION

95 OCT -6 PM 2:48

Aniko Molnar
Environmental Consultant
600 Anton Blvd., Suite 1250
Costa Mesa, CA 92626

October 3, 1995

Ms. Eva Chu
Alameda County Health Services Agency
Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577

RE: 2801 MacArthur Blvd., Oakland, CA
STID 23

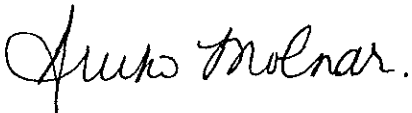
Dear Ms. Chu:

This letter is in response to your letter dated August 18, 1995 requesting a Corrective Action Plan (CAP) for the above referenced site. As I explained during our telephone conversation on September 29, 1995, we believe that a meeting to discuss potential corrective measures for this site as well as additional data needs prior to submittal of the CAP would be beneficial. Therefore, as we agreed, representatives of Subsurface Consultants and I will meet with you on Monday October 16, 1995 at 10:00 a.m. in your offices.

We request a three week extension for the submittal of the requested CAP so that the document can reflect the issues agreed to at the forthcoming meeting. Specifically, we request that the submittal deadline be extended to October 31, 1995.

Please call me at (714) 546-0484 if you have any questions regarding this request.

Sincerely,



Aniko Molnar

cc: Jeriann Alexander, Subsurface Consultants
Nicholas Molnar, APA Fund

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



IID, Director

AL HEALTH

StID 23

August 18, 1995

Ms. Aniko Molnar
1920 Main St, Suite 400
Irvine, CA 92714

RE: CAP for 2801 MacArthur Blvd, Oakland, CA 94602

Dear Ms. Molnar:

I have completed review of Subsurface Consultants' June 1995 Quarterly Groundwater Monitoring report for the above referenced site. This report provided results of the groundwater sampling event which took place on April 26, 1995. Please submit quarterly reports in a more timely manner, within 60 days upon completion of field work is acceptable.

It has been noted that piezometer P-2 recharges slowly after purging. As a pilot test, I recommend that wells at this site be sampled without purging for a period of four consecutive quarters. After which, it will be re-evaluated to determine if other changes should be implemented.

And at this time, pursuant to Section 2721 et seq. of Article 11, Title 23, California Code of Regulations, you are hereby requested to develop a Corrective Action Plan (CAP) for further investigation of this site, and to identify and evaluate all feasible alternatives for cleanup of soil and groundwater, both on- and off-site, caused by the unauthorized release of petroleum products.

The referenced CAP is due in this office within 45 days of the date of this letter or **by October 10, 1995**. Include a time schedule for the completion of each aspect of the remediation process. Please be advised that this is a formal request for technical reports pursuant to Title 23, CCR, Section 2722(c). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by this agency.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

cc: Jeriann Alexander, SCI, 171 12th St, #201, Oakland 94607
Nicholas Molnar, APA, 1904 Franklin, #501, Oakland 94612
files (APAfund.2)

cc Raymond Yu
in future corresp.

Subsurface Consultants, Inc.
Consulting Engineers

FAX TRANSMISSION COVER SHEET

To: Eva Chu

Receiver's Fax: 337-9335

Company: ACHCSA

From: Marianne Watada
SCIT

RUSH!
Please Deliver Immediately

Date: 7/21/94 SCI Job No.: _____

Pages Transmitted: 4

Project: 2801 MacArthur

Subject: GW Investigation

For Your Review and Comment

As Requested

Original Will Be Mailed

Please Return an Executed Copy

For Your Information

Copies have also been sent to: _____

Remarks: _____

7/21/94 Reviewed - Approved

Subsurface Consultants, Inc.

171 - 12th Street, Suite 201
Oakland, California 94607
510-268-0461 FAX 510-268-0137

July 21, 1994
SCI 838.002

Ms. Eva Chu
Alameda County Health
Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

**Project Schedule
Supplemental Soil and
Groundwater Investigation
2601 MacArthur Boulevard
Oakland, California**

Dear Ms. Chu:

Subsurface Consultants, Inc. (SCI) previously submitted a Work Plan and Amendment for a soil and groundwater investigation at the referenced site, dated April 27, 1994 and May 31, 1994, respectively. The proposed investigation included drilling and sampling seven (7) test borings and installing a groundwater monitoring well in one of the test borings. The work plan and amendment were prepared on behalf of the A.P.A. Fund, Ltd. in response to your letter dated May 2, 1994 and was approved on June 9, 1994.

Per your request, we are writing to notify you that the investigation will begin on July 26, 1994. The investigation will be conducted in phases. The initial phase will involve the investigation of the extent of groundwater contamination.

SCI proposes to install two wells on Georgia Street instead of the one proposed in our Work Plan amendment. The proposed well locations are shown on the attached site plan. Monitoring well installation, development and sampling procedures will be performed as previously outlined in our original work plan. The soil borings

■ **Subsurface Consultants, Inc.**

171 12th Street • Suite 201 • Oakland, California 94607 • Telephone 510-268-0461 • FAX 510-268-0137

Ms. Eva Chu
Alameda County Health
July 21, 1994
SCI 838.002
Page 2

will be drilled in a subsequent phase, upon review of the groundwater data.

If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.



R. William Rudolph
Geotechnical Engineer 741 (expires 12/31/96)

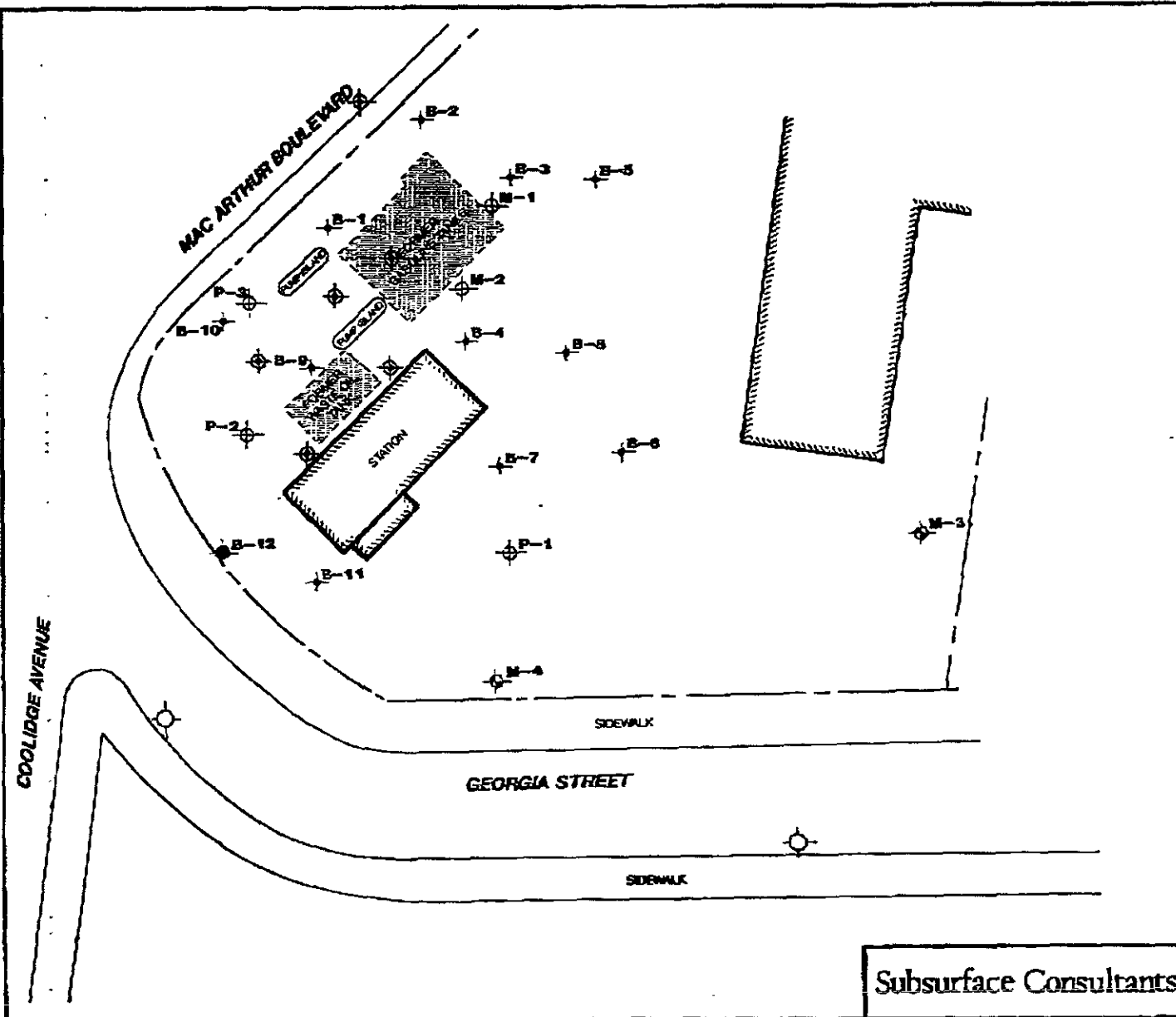
MFW:RWR:mw

Attachments: Site Plan

cc: Ms. Aniko Molnar
1920 Main Street, Suite 400
Irvine, California 92714

Mr. Nicholas Molnar
A.P.A. Fund, Ltd.
1904 Franklin Street, Suite 501
Oakland, California 94612

JUL -21-'94 THU 09:51 ID:SCI TEL NO: 4SCI268-0137 #284 P04



VICINITY MAP

- TEST BORING BY SCI
- MONITORING WELL BY SCI
- TEST BORING BY OTHERS
- MONITORING WELL BY OTHERS
- FORMER EXCAVATION
- PROPERTY BOUNDARY
- EXISTING BUILDING
- PROPOSED TEST BORING LOCATION
- PROPOSED WELL LOCATION



Subsurface Consultants	2801 MAC ARTHUR BLVD. - OAKLAND, CA		PLATE
	JOB NUMBER 838.D01	DATE 5/26/94	1

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

StID 23

June 9, 1994

Mr. James Bowers
Subsurface Consultants, Inc
171 12th St, Suite 201
Oakland, CA 94607

Subject: Work Plan Approval for 2801 MacArthur Blvd, Oakland

Dear Mr. Bowers:

I have completed review of Subsurface Consultants' May 1994 Work Plan Amendment for Supplemental Soil and Groundwater Investigation at the above referenced site. The proposal to install a monitoring well on Georgia Street, and to obtain a grab groundwater sample from the soil boring proposed upgradient from the former tank pit is acceptable. Field work should commence **within 45 days of the date of this letter**. Please notify this office at least 72 hours prior to the start of field work.

A report documenting the proposed work is due 45 days after completion of field activities. If you have any questions, I can be reached at (510) 271-4530.

Sincerely,

eva chu
Hazardous Materials Specialist

cc: Aniko Molnar, 1920 Main St, Suite 400, Irvine, CA 92714
Nicholas Molnar, APA Fund, 1904 Franklin St, Suite 501,
Oakland, CA 94612
files

1/25/95 Per J. Alexander. draft rpt at RPA - expect final in Feb. '95. No QMR since sampling in Aug '94. Told her min. rpting is QMR. w/o data, mwb, may not be at edge of plume.

APAFund2

Subsurface Consultants, Inc.
Consulting Engineers

FAX TRANSMISSION COVER SHEET

To: Eva Chu

Receiver's Fax: 569-4757

Company: ACHCSA

From: Marianne Watada
SCI

RUSH!
Please Deliver Immediately

Date: 5/31/94 SCI Job No.: 838,002

Pages Transmitted: 4

Project: 2801 MacArthur

Subject: Work Plan Amendment

For Your Review and Comment

As Requested

Original Will Be Mailed

Please Return an Executed Copy

For Your Information

Copies have also been sent to: _____

Remarks: _____

Subsurface Consultants, Inc.

171 - 12th Street, Suite 201
Oakland, California 94607
510-268-0481 FAX 510-268-0137

Aniko R. Molnar
Environmental Consultant
1920 Main Street, Suite #400
Irvine, CA 92714

ALCO
HAZMAT
94 MAY 23 AM 11:57

*Jee
Suz*

May 19, 1994

Ms. Eva Chu
Alameda County Health Care Services Agency
Department of Environmental Health
UST Local Oversight Group
80 Swan Way, Room 200
Oakland, CA 94621

RE: 2801 MacArthur Blvd., Oakland, CA
STID 23

Dear Ms. Chu:

I am writing in response to your letter to Subsurface Consultants dated May 2, 1994 regarding the above referenced property. The A.P.A. Fund intends to submit an amended workplan which includes investigative work downgradient of the property on Georgia Street by May 31, 1994 as requested in your letter. The additional soil investigation which was scheduled for last week has been postponed until the amended workplan is submitted and approved.

As we discussed on the telephone, the A.P.A. Fund has requested the current property owner, Mr. Raymond Yu, to obtain an encroachment permit(s) from the City of Oakland for installation of ground water monitoring wells in the right-of-way. In accordance with the City of Oakland's procedures these permits must be obtained by the property owner. The permit(s) would be for the upgradient ground water monitoring well proposed in the workplan and for any downgradient well to be proposed in the amended workplan. Hopefully by requesting that Mr. Yu initiate this process now, the investigative work can be completed soon after approval of the amended workplan. However, since the A.P.A. Fund does not own the property they will not be able to control the permit application process. *can put wells in street instead of sidewalk*

Enclosed is the third quarterly monitoring report for the above referenced site. The report presents the results from ground water sampling conducted in March 1994. The next round of sampling will be conducted in June 1994.

Please contact me at (714) 476-612 if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Aniko Molnar".

Aniko Molnar

Enclosure

cc: Rich Hiatt, RWQCB
Nicholas D. Molnar, A.P.A Fund
Raymond W. Yu (w/o enclosure)
James Bowers, Subsurface Consultants (w/o enclosure)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

StID 23

May 2, 1994

Mr. James Bowers
Subsurface Consultants, Inc
171 12 St, Suite 201
Oakland, CA 94607

Subject: Work Plan Amendment for 2801 MacArthur Blvd, Oakland

Dear Mr. Bowers:

I have completed review of Subsurface Consultants Inc.'s (SCI) April 1994 Work Plan for Supplemental Soil and Groundwater Investigation for the above referenced site. SCI proposes to advance six soil borings, converting one into an upgradient well, and the others into vapor extraction wells. Information gathered from this investigation will be used to more definitively evaluate remediation alternatives and costs, and to design the remediation system.

This office does not see how remediation alternatives can be considered before the contaminant plume is fully characterized. The referenced workplan does not attempt to delineate the extent of the groundwater plume in the downgradient direction.

At this time, the investigation should be extended onto Georgia Street. Please submit an amended workplan to show where additional soil borings and/or monitoring wells will be advanced to fully characterized the contaminant plume. Information gathered from this added phase of the investigation can then be used to determine an appropriate course of action to remediate the site. The amended workplan is due by **May 31, 1994**.

If you have any questions, I can be reached at (510) 271-4530.

eva chu
Hazardous Materials Specialist

cc: Aniko Molnar, 1920 Main St, Suite 400, Irvine, CA 92714
Nicholas Molnar, APA Fund, 1904 Franklin St, Suite 501,
Oakland, CA 94612
files

APAFund1

STATE WATER RESOURCES CONTROL BOARD

DIVISION OF CLEAN WATER PROGRAMS
2014 T STREET, SUITE 130
P.O. BOX 944212
SACRAMENTO, CALIFORNIA 94244-2120
(916) 227-4413
(916) 227-4530 (FAX)

FEB 9 1994



Mr. Nicholas Molnar
The A.P.A. Fund, A Ltd. Partnership
1904 Franklin Street
Oakland, CA 94612

Site: **The Triangle Shopping Center**
2801 MacArthur Boulevard
Oakland, CA 94602

Dear Mr. Molnar:

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 0023

The State Water Resources Control Board (Board) takes pleasure in issuing the attached amended Letter of Commitment, Amendment Number 1, in the amount not to exceed a total of **\$300,000**. This amended Letter of Commitment is based upon our review of the corrective action costs incurred to date and information received from you regarding proposed corrective action costs. This Letter of Commitment may be modified by the Board in writing by another amended Letter of Commitment.

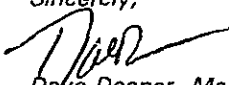
The State Board will take steps to withdraw this Letter of Commitment after 90 calendar days from the date of this transmittal letter unless you proceed with due diligence with your cleanup effort. This means that you must take positive, concrete steps to ensure that corrective action is proceeding with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

Attached you will find:

- o Three "Reimbursement Request-Underground Storage Tank Cleanup Fund" forms which you must use to request reimbursement of costs incurred.
- o Two revised "Spreadsheets" which you must use in conjunction with your Reimbursement Request.
- o A "Bid Summary Sheet" to document data on bids received, if applicable.

If you have any questions regarding the Letter of Commitment or the Reimbursement Request package, please contact Blessy Torres at (916) 227-4535.

Sincerely,


Dave Deaner, Manager
Underground Storage Tank
Cleanup Fund Program

Attachments

cc: ~~Tom Peacock~~
Alameda County Health Agency
80 Swan Way
Oakland, CA 94621

Don Dalke
California Regional Water Quality
Control Board, San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

LETTER OF COMMITMENT FOR REIMBURSEMENT OF COSTS

CLAIM NO: 000023

AMENDMENT NO: 1

CLAIMANT: The A.P.A. Fund, a Ltd. Partnership
JOINT-CLAIMANT:

BALANCE FORWARD: \$200,000

CLAIMANT ADDRESS: 1904 Franklin Street
Oakland, CA 94612

THIS AMOUNT: \$100,000

NEW BALANCE: \$300,000

TAX ID / SSA NO. 94-2256255

Subject to availability of funds, the State Water Resources Control Board (State Board) agrees to reimburse The A.P.A. Fund, a Ltd. Partnership (claimant) for eligible corrective action costs at 2801 MacArthur Blvd., Oakland, CA 94602 (site). The commitment reflected by this Letter is subject to all of the following terms and conditions:

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

IN WITNESS WHEREOF, this Letter of Commitment has been issued by the State Board this 28th day of January, 1994.

STATE WATER RESOURCES CONTROL BOARD

BY 
Manager, Underground Storage Tank Cleanup Fund Program

BY 
Chief, Division Administrative Services

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

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

October 19, 1993
STID 23

The A. P. A. Fund Ltd.
ATTN: Nicholas Molnar
1904 Franklin St., Suite 501
Oakland, CA 94612

Re: 2801 MacArthur Blvd., Oakland, CA 94602

Dear Sir:

This office has received and reviewed a Supplemental Soil and Groundwater Investigation dated July 14, 1993, a Quarterly Groundwater Monitoring Report and a Conceptual Approach to Soil and Groundwater Remediation, both dated September 22, 1993 by Subsurface Consultants, Inc. Following are comments concerning these reports:

1. This office accepts the recommendations on page 11 of the first report.
2. This office accepts the second report. This report certainly shows that there are very serious levels of contamination in the soil and groundwater of this site.
3. This office accepts your conceptual approach to remediate your soil and groundwater contamination. The use of soil vapor extraction and air sparging are proven technologies that should work in this situation. Please contact this office with further design documents and when implementation will begin.

If you have any questions please call this office at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read "Thomas F. Peacock".

Thomas F. Peacock, Supervising HMS
Hazardous Material Division

cc: Edgar Howell. Chief - files
Raymond W. & Grace Yu, 4098 Laguna Ave., Oakland, CA 94602
A.P.A. Fund, LTD. c/o Ms. Aniko Molnar, 1920 Main
St., Suite 400, Irvine, CA 92714

STATE WATER RESOURCES CONTROL BOARD

DIVISION OF CLEAN WATER PROGRAMS
 2014 T STREET, SUITE 130
 P.O. BOX 944212
 SACRAMENTO, CALIFORNIA 94244-2120
 (916) 227-4413
 (916) 227-4530 (FAX)

AUG 26 1993



Mr. Nicholas Molnar
 The A.P.A. Fund, A Ltd. Partnership
 1904 Franklin Street
 Oakland, CA 94612

Dear Mr. Molnar:

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 0023

The State Water Resources Control Board (State Board) takes pleasure in issuing the attached Letter of Commitment in an amount not to exceed \$200,000. This Letter of Commitment is based upon our review of the corrective action costs incurred to date and your application received on December 20, 1991 and may be modified by the State Board in writing by an amended Letter of Commitment.

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

Also attached is a "Reimbursement Request" package. The package includes :


- Instructions for the completion of the "Reimbursement Request" form which must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. The instructions booklet contains:
 - Recommended Minimum Invoice Cost Breakdown.
 - A "Certification of Non-Recovery From Other Sources" which must be returned before any reimbursements can be made.
 - A "Bid Summary Sheet" to document data on bids received.
- Three "Reimbursement Request-Underground Storage Tank Cleanup Fund" forms which you must use to request reimbursement of costs incurred.
- Two "Spreadsheets" which you must use in conjunction with your Reimbursement Request.

If you have any questions regarding the Letter of Commitment or the Reimbursement Request package, please contact Blessy Torres at (916) 227-4535.

Sincerely,

Dave Deaner, Manager
 Underground Storage Tank
 Cleanup Fund Program

Attachments


 Supervising Hazardous Materials Specialist
 Alameda County Health Agency
 80 Swan Way, Room 350
 Oakland, CA 94621

Don Dalke
 Regional Water Quality Control Board
 San Francisco Bay Region
 2101 Webster Street, Suite 500
 Oakland, CA 94612

LETTER OF COMMITMENT FOR REIMBURSEMENT OF COSTS

CLAIM NO: 000023

AMENDMENT NO: 0

CLAIMANT: The A.P.A. Fund, a Ltd. Partnership

BALANCE FORWARD: \$0

JOINT-CLAIMANT:

THIS AMOUNT: \$200,000

CLAIMANT ADDRESS: 1904 Franklin Street
Oakland, CA 94612

NEW BALANCE: \$200,000

TAX ID / SSA NO. 94-2256255

Subject to availability of funds, the State Water Resources Control Board (State Board) agrees to reimburse The A.P.A. Fund, a Ltd. Partnership (claimant) for eligible corrective action costs in the amount of \$200,000 (two hundred thousand dollars). The commitment reflected by this Letter is subject to all of the following terms and conditions.

1. Reimbursement shall not exceed \$200,000 unless this amount is subsequently modified in writing by an amended Letter of Commitment.
2. The obligation to pay any sum under this Letter of Commitment is contingent upon availability of funds. In the event that sufficient funds are not available for reasons beyond the reasonable control of the State Board, the State Board shall not be obligated to make any disbursements hereunder. If any disbursements otherwise due under this Letter of Commitment are deferred because of unavailability of funds, such disbursements will promptly be made when sufficient funds do become available. Nothing herein shall be construed to provide the Claimant with a right of priority for disbursement over any other claimant who has a similar Letter of Commitment.
3. Unless modified in writing by the State Board, this Letter of Commitment covers work through Phase III of corrective action work.
4. All costs for which reimbursement is sought must be eligible for reimbursement and the Claimant must be the person entitled to reimbursement thereof.
5. Claimant must at all times be in compliance with all applicable state laws, rules and regulations and with all terms, conditions, and commitments contained in the Claimant's Application and any supporting documents or in any payment requests submitted by the Claimant.
6. No disbursement under this Letter of Commitment will be made except upon receipt of acceptable Standard Form Payment Requests duly executed by or on behalf of the Claimant. All Payment Requests must be executed by the Claimant or a duly authorized representative who has been approved by the Division of Clean Water Programs.
7. Any and all disbursements payable under this Letter of Commitment may be withheld if the Claimant is not in compliance with the provisions of Paragraph 5 above.
8. Neither this Letter of Commitment nor any right thereunder is assignable by the Claimant without the written consent of the State Board. In the event of any such assignment, the rights of the assignee shall be subject to all terms and conditions set forth in this Letter of Commitment and the State Board's consent.
9. This Letter of Commitment may be withdrawn at any time by the State Board if completion of corrective action is not performed with reasonable diligence.

IN WITNESS WHEREOF, this Letter of Commitment has been issued by the State Board this 18th day of August, 1993.

STATE WATER RESOURCES CONTROL BOARD

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

BY [Signature]
Chief, Division Administrative Services

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

July 15, 1993
SCI 838.001

A.P.A. Fund Limited
c/o Ms. Aniko Molnar
1920 Main Street, Suite 400
Irvine, California 92714

**Supplemental Soil and
Groundwater Investigation
2801 MacArthur Boulevard
Oakland, California**

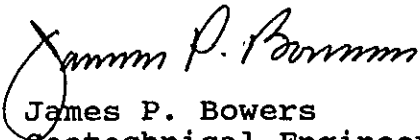
Dear Ms. Molnar:

This letter transmits a report on behalf of the A.P.A. Fund, Ltd. The report was prepared by Subsurface Consultants, Inc. and records the results of a supplemental soil and groundwater investigation at 2801 MacArthur Boulevard in Oakland. The investigation was performed in accordance with a Workplan dated January 31, 1992, which was approved by the Alameda County Department of Environmental Health on February 3, 1993.

If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.



James P. Bowers
Geotechnical Engineer 157 (expires 3/31/96)

MFW:JPB:egh

cc: Mr. Nicholas Molnar
A.P.A. Fund, Ltd.
1904 Franklin Street, Suite 501
Oakland, California 94612

Mr. Thomas Peacock
Alameda County of Department
of Environmental Health
80 Swan Way, Room 200
Alameda, California 94621

Subsurface Consultants, Inc.

A.P.A. Fund Limited
c/o Ms. Aniko Molnar
SCI 838.001
July 15, 1993
Page 2

■ Subsurface Consultants, Inc.

Mr. Rich Hiatt
Regional Water Quality Control Board
2101 Webster Street
Oakland, California 94612

Mr. Gil Jensen
Consumer Fraud and Environmental Protection
Alameda County District Attorney's Office
7677 Oakport Street, Suite 400
Oakland, California 94621

Mr. Raymond W. Yu
4098 Laguna Avenue
Oakland, California 94602

The A.P.A. Fund, Ltd.
1904 Franklin Street
Suite 501
Oakland, CA 94612

93 MAR 3 11:30 AM

March 4, 1993

Mr. Thomas Peacock
Alameda County Health Care Services Agency
Department of Environmental Health
UST Local Oversight Group
80 Swan Way, Room 200
Oakland, CA 94621

RE: 2801 MacArthur Blvd., Oakland, CA
STID 23

Dear Mr. Peacock:

This letter is in response to your letter dated February 3, 1993 regarding the site investigation at the above referenced property. Based on your approval of the January 31, 1992 workplan, we have prepared a Request for Proposal (RFP) to implement the workplan. In order to remain eligible for the UST Fund we are soliciting three bids prior to selecting a consultant to perform the work. The RFP is dated March 4, 1993 and is due March 26, 1993. We will select a consultant and proceed with the additional site investigation as soon as possible after receipt of the proposals.

As requested in your letter, we are reinstating the groundwater monitoring program. Streamborn is scheduled to collect an additional round of groundwater samples on March 8, 1993 in accordance with the sampling procedures and protocols used during previous sampling events they have conducted.

If you have any questions please call Aniko Molnar at (714) 675-1267. Please note that we will both be out of the country from March 11 through March 21, 1993. Upon our return, we will be reviewing the consultant proposals and selecting a consultant. We will notify you of the schedule for implementing the workplan as soon as that selection is made.

Sincerely,

Aniko R. Molnar
for Nicholas D. Molnar

cc: Rich Hiett, RWQCB
Gil Jensen, Alameda County District Attorney's Office
Raymond W. Yu

FAX # PAGES 1
TO: Thomas Peacock
LOC: Al. Co. ^{FAX} (510) 569-4757
FROM: Aniko Molnar
LOC: APB ^{PHONE} 675-1267
CS-208

The A.P.A. Fund, Ltd.
1904 Franklin Street
Suite 501
Oakland, CA 94612

March 4, 1993

Mr. Thomas Peacock
Alameda County Health Care Services Agency
Department of Environmental Health
UST Local Oversight Group
80 Swan Way, Room 200
Oakland, CA 94621

RE: 2801 MacArthur Blvd., Oakland, CA
STID 23

Dear Mr. Peacock:

This letter is in response to your letter dated February 3, 1993 regarding the site investigation at the above referenced property. Based on your approval of the January 31, 1992 workplan, we have prepared a Request for Proposal (RFP) to implement the workplan. In order to remain eligible for the UST Fund we are soliciting three bids prior to selecting a consultant to perform the work. The RFP is dated March 4, 1993 and is due March 26, 1993. We will select a consultant and proceed with the additional site investigation as soon as possible after receipt of the proposals.

As requested in your letter, we are reinstating the groundwater monitoring program. Streamborn is scheduled to collect an additional round of groundwater samples on March 8, 1993 in accordance with the sampling procedures and protocols used during previous sampling events they have conducted.

If you have any questions please call Aniko Molnar at (714) 675-1267. Please note that we will both be out of the country from March 11 through March 21, 1993. Upon our return, we will be reviewing the consultant proposals and selecting a consultant. We will notify you of the schedule for implementing the workplan as soon as that selection is made.

Sincerely,

Aniko R. Molnar
for Nicholas D. Molnar

cc: Rich Hiatt, RWQCB
Gil Jensen, Alameda County District Attorney's Office
Raymond W. Yu

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

February 3, 1993
STID 23

The A. P. A. Fund Ltd.
ATTN: Nicholas Molnar
1904 Franklin St., Suite 501
Oakland, CA 94612

Re: 2801 MacArthur Blvd., Oakland, CA 94602

Dear Sir:

This office has reviewed your letter dated January 18, 1993 and spoken with Aniko Molnar concerning a workplan for the above referenced site. You mentioned the workplan, dated 31 January 1992, which was addressed to Larry Seto. He did not have the plan but it was located in this office along with a groundwater monitoring report dated 28 January 1992. The plan and report were both reviewed by this office. The plan is accepted and should be implemented as soon as possible. You have significant contamination in all three of the monitoring points with TPHg as high as 99,000 ppb. You need to continue to delineate the lateral extent of contamination as soon as possible.

In addition, you have not monitored your sampling points quarterly, as required, since the last event in January, 1992. Your monitoring program should also be reimplemented as soon as possible. This office will be expecting that action be taken within 30 days.

If you have any questions please call this office at (510) 271-4530.

Sincerely,

Thomas F. Peacock, Supervising HMS
Hazardous Material Division

cc: R. Hiatt, RWQCB
Edgar Howell, Chief - files *EBH*
Gil Jensen, Alameda County District Attorney's Office
Raymond W. & Grace Yu, 4098 Laguna Ave., Oakland, CA 94602

ST10 23

The A.P.A. Fund, Ltd.
1904 Franklin Street
Suite 501
Oakland, CA 94612

January 18, 1993

Mr. Thomas F. Peacock
Alameda County Health Care Services Agency
Department of Environmental Health
UST Local Oversight Group
80 Swan Way, Room 200
Oakland, CA 94621

RE: 2801 MacArthur Blvd., Oakland, CA

602

Dear Mr. Peacock:

This letter is in response to your letter dated December 26, 1992 concerning the status of the investigation of the above referenced property. Since that time I have spoken to you and my daughter has contacted Larry Seto regarding this matter. As I understand it, you have taken over this project from Larry Seto, therefore, you may not be fully aware of the status of this project. The following are direct responses to your three comments in your December 26 letter:

1. On January 31, 1992 our consultant (Streamborn) submitted a workplan titled "Supplemental Soil and Groundwater Investigation - 2801 MacArthur Blvd." to Larry Seto in response to his December 16, 1991 letter. We have not received comments on and/or approval of this workplan, therefore, additional work has not yet begun.
2. The workplan includes the latest groundwater monitoring data which is from January 1992.
3. The workplan proposes quarterly monitoring and quarterly updates. Again, we are awaiting approval of the workplan to proceed.

As I have discussed with Larry Seto, the A.P.A. Fund Ltd. has applied for the Underground Storage Cleanup Fund (UST Fund) to help finance this project. Although our application was number 23 received, due to the lottery nature of the fund we are currently number 605 on the list and are in the Class B priority class. I have contacted the state recently and was told that we are expected to come up for funding during the beginning of the next fiscal year (after July of this year).

During our phone conversation a few weeks ago, I explained to you that CaliFrance Corporation was never an owner of the property in

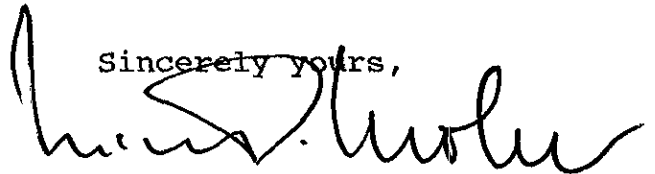
question. I am enclosing a copy of a letter I sent to Larry Seto on December 13, 1991 which explains this further.

We will wait to hear from you regarding this matter. As you know, we need to have agency approval for future work at this property in order to recover our costs from the UST Fund. When the workplan is approved, we will also need to solicit three bids before proceeding with the work to remain eligible for the UST Fund.

If you have any questions regarding this matter, please contact me at (510) 452-4711 or Aniko Molnar at (415) 541-2801. If you need an extra copy of Streamborn's January 31, 1992 workplan, please let us know and we will forward it to you.

Newport Beach (714) 675-1267

Sincerely yours,



Nicholas D. Molnar

Enclosure

cc: Rich Hiett, RWQCB
Gil Jensen, Alameda County District Attorney's Office
Raymond W. Yu

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

December 29, 1992
STID 23

Cali France Corporation
ATTN: Nicholas Molnar
1904 Franklin St., Suite 501
Oakland, CA 94612

Re: 2801 MacArthur Blvd., Oakland, CA 94602

SECOND NOTICE OF VIOLATION

Dear Sir:

This office has reviewed reports of the underground storage tank removals performed at the above referenced site on January 3, 1991 and subsequent investigations. The last sampling event was conducted sampling 2 monitoring wells on May 7, 1991. The following comments are to be considered:

1. You were requested to begin a soil and groundwater investigation in a letter from this office dated December 16, 1991 from Larry Seto. No further investigation has begun.
2. This office has no record of any further monitoring of existing wells or any other report since then except for the disposal of some drums of soil cuttings.
3. It is clear that the elevated total petroleum hydrocarbon concentrations in soil at the above site require a soil and groundwater investigation. Although you have begun this investigation you have not proceeded in a matter as stated by your consultant, with quarterly reports of actions taken and needed and monitoring of contaminated groundwater.

I have enclosed the document, Workplan for Initial Subsurface Investigation, a guidance document published by the Regional Water Quality Control Board (RWQCB). Please be advised this office is working in conjunction with the RWQCB to oversee the remediation of hydrocarbon contaminated sites such as these. The RWQCB is the agency entrusted to protect the waters of the state.


Please submit a workplan as described in the above document to this office within thirty (30) days of this letter.

2801 MacArthur Blvd. Oakland, 94602
STID 23
December 29, 1992
Page 2 of 2

You should consider this a formal request for technical reports pursuant to the California Water Code Section 13267 (b). All workplans, analytical results or reports should be sent to our office and to that of the RWQCB to the attention of Mr. Rich Hiett. Their address is 2101 Webster St., Fourth Floor, Oakland CA 94612. Be aware that failure to submit the requested documents may subject you civil liabilities.

If you have any questions please call this office at (510) 271-4530.

Sincerely,



Thomas F. Peacock, Supervising HMS
Hazardous Material Division

cc: R. Hiett, RWQCB
Edgar Howell. Chief - files
Gil Jensen, Alameda County District Attorney's Office
Raymond W. & Grace Yu, 4098 Laguna Ave., Oakland, CA 94602
enclosures

STID 23-

92 APR 10 PM 1:15

The A.P.A. Fund, Ltd.
1904 Franklin Street
Suite 501
Oakland, CA 94612

April 8, 1992

Mr. Larry Seto
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way Rm. 200
Oakland, CA 94621

RE: *Dan's Auto Repair*
2801 MacArthur Blvd., Oakland, CA 94602

Dear Mr. Seto:

I am forwarding a copy of a letter report by our consultant (Streamborn) which documents the disposal of investigation derived waste from the above referenced property. This report is being submitted as a follow up to Streamborn's workplan for disposal which was sent to Mr. Thomas Peacock of your office on February 4, 1992. Both of these submittals are in response to Mr. Peacock's letter dated January 17, 1992.

If you have any questions regarding this matter please contact me at (510)452-4711.

Sincerely yours,
Nicholas D. Molnar for
Nicholas D. Molnar

Enclosure

cc: Thomas Peacock
Alameda Co. Health Care Services Agency
Department of Environmental Health

Doug Lovell
Streamborn

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

December 16, 1991

Mr. Nicholas Molnar
1904 Franklin Steet
Suite 501
Oakland, CA 94612

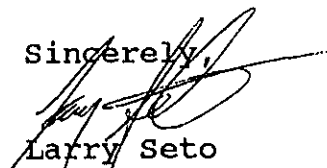
RE: 2801 MacArthur Blvd., Oakland, CA 94602

Dear Mr. Molnar:

This letter is to confirm our agreement during our meeting on December 12, 1991, that you will submit a workplan to this office no later than January 31, 1992, identifying how you propose to define the lateral and vertical extent of contamination. In addition, you agreed to write a narrative concerning the ownership history of the above site.

If you have any questions, please contact me at 271-4320.

Sincerely,


Larry Seto
Sr. Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attornsys's Office
Consumer and Enviromental Protection

RWQCB
Charlene Williams, DTSC
Rafat Shahid, Asst. Agency Director
Files

The A.P.A. Fund, Ltd.
Suite 501
1904 Franklin Street
Oakland, CA 94612

December 13, 1991

Mr. Larry Seto
Dept. of Environmental Health
80 Swan Way
Oakland, CA 94621

RE: 2801 MacArthur Blvd

Dear Mr. Seto:

The intention of this letter is to summarize the result of our meeting on December 12, 1991 in your office.

I wish to thank you again for the time you spent with our problem and the understanding and cooperation you've expressed discussing our problem with your directives set forth in your letter of November 11, 1991.

First of all let me put on the record that I work for CaliFrance Corporation, which manages various rental properties for a fee. At no time was CaliFrance Corporation the owner of the property in question.

I am the general partner of The A.P.A. Fund, Ltd. a California limited partnership, which purchased the property in April of 1983 and sold the same in April of 1989. We are no longer the owners of the property.

As I informed you we have about \$ 40,000.00 left in our investment fund, which already spent more than \$ 165,000.00 for the removal of the underground tanks, contaminated soil, testing and analysis.

We are a very small business venture and our only hope to recover our cost and pay for future expenses may come from the UST Cleanup Fund Program.

We retained a lawyer to complete our application, which, as I understand, will be submitted to the State next week. I will mail you a copy, as you requested, as soon as the application has been filed.

We came to an agreement that while we are waiting for the aforementioned funding, we will ask Streamborn Co. our consultants to complete a work plan for the identification of the lateral and vertical extent of the contamination

as you've requested in your last letter.

You asked for this report to be in your office before January 31, 1992.

We wish to assure you for our full cooperation in the future as we have well demonstrated in the past.

Thanking again for your understanding, I remain

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Nicholas D. Molnar". The signature is fluid and somewhat stylized, with the first name being the most prominent.

Nicholas D. Molnar

The A.P.A. Fund, Ltd.
Suite 501
1904 Franklin Street
Oakland, CA 94612

December 13, 1991

91DEC15 PM 1:54

Mr. Larry Seto
Dept. of Environmental Health
80 Swan Way
Oakland, CA 94621

RE: 2801 MacArthur Blvd

Dear Mr. Seto:

The intention of this letter is to summarize the result of our meeting on December 12, 1991 in your office.

I wish to thank you again for the time you spent with our problem and the understanding and cooperation you've expressed discussing our problem with your directives set forth in your letter of November 11, 1991.

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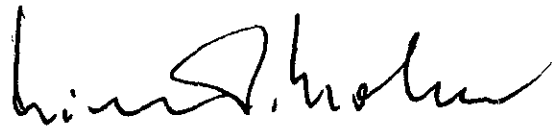
as you've requested in your last letter.

You asked for this report to be in your office before January 31, 1992.

We wish to assure you for our full cooperation in the future as we have well demonstrated in the past.

Thanking again for your understanding, I remain

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Nicholas D. Molnar". The signature is written in dark ink and is positioned above the printed name.

Nicholas D. Molnar

The A.P.A. Fund, Ltd.
Suite 501
1904 Franklin Street
Oakland, CA 94612

December 6, 1991

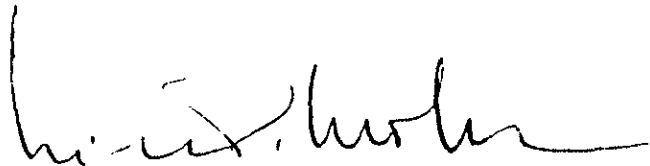
State Water Resources Control Board
Division of Clean Water Programs
UST Cleanup Fund Program
P.O. Box 944212
Sacramento, CA 94244-2120

Ladies and Gentlemen:

I'm the General Partner of The A.P.A. Fund, which owned the Triangle Shopping Center, located at 2801 MacArthur Boulevard in Oakland from April 1983 to April 1989. There has been an unauthorized release of petroleum from underground storage tanks on the property for which a claim against the Fund is permissible under Chapter 6.75 of the California Health and Safety Code.

I hereby authorize our attorneys, Karl R. Morthole and Marc A. Zeppetello, to complete the claim application, based on the information I have provided, and to execute the required verification as our representative in the matter.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Nicholas D. Molnar". The signature is fluid and cursive, with a long horizontal stroke at the end.

Nicholas D. Molnar

Meeting on 12/12/91 with Nicholas Molnar

He bought the property in 1983 with 3 others in a limited partnership. He sold the property in 1989 to Raymond and Grace Yu. Frank Silva operated the site from 1983-89 and filed for bankruptcy in '89.

Excavation was back-filled with sand after the UGT were removed in '89.

Mr. Molnar has authorized his attorney to file an application to obtain funds from the State Water Resources Control Board / U.G.T. Clean-up fund. He said this is the only way he can perform a total clean-up of the site.

He agreed to the following at the conclusion of the meeting.

- 1) He will submit a work plan that will identify how he will define the lateral and vertical extent of the contamination by 1/31/92.
- 2) He will put in writing the history of the ownership of the property.

12/18/91

Mark Zepparello, attorney for Nolan said
he filed with the State of CA yesterday
to get U.G.T. Clean up fund monies
from SB 2004.

DATE: November 12, 91
TO : Local Oversight Program
FROM: Camp
SUBJ: Transfer of Eligible Oversight Case

Site name: Cal French Corp
Address: 2801 MacArthur Blvd City Oak. Zip 94602
Closure plan attached? Y N DepRef remaining \$ 824.50
DepRef Project # US42802 STID #(if any) ~~42802~~ 23
Number of Tanks: 4 removed? Y N Date of removal 3 in 5/89 and 1 in 7/89
Samples received? Y N Contamination: Gas, Diesel, BTK&E and waste oil
Petroleum Y N Types: Avgas Jet Leaded unleaded Diesel
fuel oil waste oil kerosene solvents
Monitoring wells on site 1 Monitoring schedule? Y N known
LUFT category 1 2 3 * H S C A R W G O 5-19-89
Briefly describe the following:
Preliminary Assessment lateral extent of contamination
Remedial Action None, contamination of up to 5,300 PPM TPH(G) in soil and
Post Remedial Action Monitoring only one well on-site 4700 PPb benzene
Enforcement Action None in ground water

Note: I would give this site priority because of the high benzene conc. in the groundwater. In addition, additional wells are needed to define the extent of the plume.

ALAMEDA COUNTY

HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
~~(415)~~
(510) 271-4320

November 11, 1991

Mr. Nicholas Molnar
Califrance Corporation
1904 Franklin St., Suite 501
Oakland, CA 94612

RE: 2801 MacArthur Blvd., Oakland, CA

Dear Mr. Molnar:

I have reviewed your Additional Soil and Groundwater Investigation Report dated August 20, 1991, that was prepared by Streamborn. The report identified soil contamination up to 5,300 PPM-TPH(g) at or near the groundwater table. A petroleum odor and a slightly "greasy" coating on the the water level probe was observed during the monitoring of P2 and M2. Groundwater analytical results from P2 and M2 identified elevated concentrations of benzene (4,700 PPb and 1,300 PPb respectively) and TPH-gasoline (33,000 PPb and 16,000 PPb respectively). In addition, the lateral extent of soil contamination in the westerly direction has not been well defined.

Please submit to this office within 30 days of the receipt of this letter a workplan. Your workplan must include, but shall not be limited to the following:

1. Method(s) that will be used to define the lateral extent of soil contamination in the westerly direction
2. Method(s) that will be used to define the extent of groundwater contamination. At a minimum, two additional monitoring wells must be install in the verified downgradient direction.
3. Proposal for soil and groundwater remediation
4. Time schedule for future investigation and remediation work

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
~~(415)~~
(510) 271-4320

Page 2 of 2

If you have any questions, please contact me at 271-4320.

Sincerely,


Larry Seto

SR. Hazardous Materials Specialist

cc. Gil Jensen, Alameda County District Attorney Office,
Consumer and Environmental Protection Agency
RWQCB
Charlene Williams, DTSC
Doug Lovell, Steamborn
Rafat Shahid, Assistant Agency Director, Environmental Health
Files

Memorandum

To: File From: Greg Reller
Doug Lovell

Date: 17 December 1990 Project No. P12A

Subject: Information About Former Service Station (current restaurant)
2800 MacArthur Boulevard
Oakland CA

This memorandum summarizes our research regarding the presence or absence of underground storage tanks across the street from 2801 MacArthur Boulevard.

We telephoned the Oakland Fire Department (273-3851) on two occasions in December 1990 and asked them to review the occupancy files for 2700 and 2800 blocks of MacArthur Boulevard. The only file is for 2801 MacArthur Boulevard. The occupancy files document underground storage tank installations, removals, and repairs. The Department indicated that the occupancy files date back to the late 1970's; any earlier activity is not likely to be documented. The Department was unaware of any better source of historic underground storage tank information. In particular, the Department indicated that they are frequently questioned about information too old for their files and nobody has reported back with a successful source.

We telephoned the San Francisco Bay Regional Water Quality Control Board and were informed that only files of documented leaking underground storage tanks are maintained at the Board.

Our earlier discussions with Bob Farrell (352-1250), operator of 2801 MacArthur Boulevard until 1975, revealed the following about 2800 MacArthur:

- a service station existed from circa the early 1950's (possibly earlier) until the late 1950's (definitely gone by the 1960's)
- Bob does not recall observing the installation or removal of underground storage tanks
- Bob does not recall the name of the service station
- Bob recalls that since the service station closed, there has pretty much been a succession of eating establishments on the property

Although there are other information sources available to pinpoint previous ownership of 2800 MacArthur, we suspect there are no other reliable (objective) sources of information regarding the presence or absence of underground storage tanks. We do recall statistics that indicate tanks of this era were likely to be removed because of reasonable scrap and salvage value in comparison to the costs of removal and backfill (there was no environmental regulation incentive to remove the tanks).

It appears that indications of releases offsite of 2801 MacArthur Boulevard must rely on upgradient groundwater monitoring from a strategically placed well. Documenting an offsite contribution to groundwater contamination may benefit A.P.A. Fund Limited, even if a solvent responsible party is not identified (because as a practical matter, the regulatory agencies normally do not blind themselves to such evidence). However, the currently-measured direction of groundwater gradient and the soil results from upgradient borings B1, B2, and B10 do not strongly suggest an offsite source.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

October 19, 1990

Mr. Nicholas Molnar
CaliFrance Corporation
1904 Franklin St., Suite 501
Oakland, CA 94612

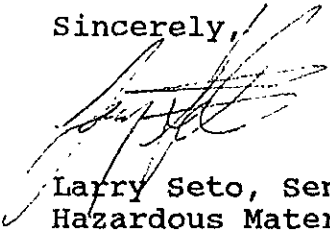
RE: 2801 MacArthur Blvd., Oakland, CA 94602

Dear Mr. Molnar:

I have reviewed your workplan dated August 31, 1990, and your modifications to it dated October 5, 1990, that was prepared by Streamborn. It is acceptable with the following condition; the soil samples taken from P2 and M1 also be tested for total oil and grease. In addition, pending the results of your investigation, additional monitoring wells may be required along with your remediation plan.

If you have any questions, please call me at, (415) 271-4320.

Sincerely,



Larry Seto, Senior
Hazardous Materials Specialist

LS:mnc

cc: Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Agency

RWQCB

Charlene Williams, DOHS

Doug Lovell, Streamborn

Rafat A. Shahid, Assistant Agency Director, Environmental Health
Files

CALIFRANCE CORPORATION

I N T E R N A T I O N A L I N V E S T M E N T S

August 10, 1990

Mr. Larry Seto
Alameda County Health Care Services
Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621

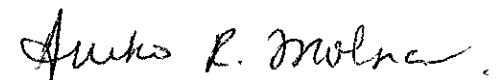
SUBJECT: 2801 MacArthur Blvd., Oakland, CA 94602

Dear Mr. Seto:

Enclosed is a copy of my letter dated June 5, 1990 which summarized the proposed schedule for CaliFrance Corporation's additional investigation of the property at 2801 MacArthur Blvd. in Oakland. I am sending this copy since you stated that you did not receive the original letter. I will call you next week to confirm your receipt of this copy. As we discussed, CaliFrance will be selecting a consultant for this project next week and intends to submit a work plan to your office by the end of August.

If you have any questions regarding this, please call me at (415) 541-2801 or (415)928-7713.

Sincerely,


Aniko R. Molnar

cc: Mr. Nicholas D. Molnar
CaliFrance Corporation

June 5, 1990

Mr. Larry Seto
Alameda County Health Care Services
Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621

SUBJECT: 2801 MacArthur Blvd., Oakland, CA 94602

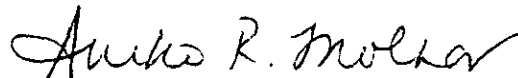
Dear Mr Seto:

I am writing in response to your May 23, 1990 letter to Mr. Nicholas Molnar of CaliFrance Corporation. As we discussed on the telephone, this letter references a March 8, 1990 notice of violation which was never received by CaliFrance. We just received a copy of the March 8, 1990 letter last week. CaliFrance intends to respond to both of these letters as soon as possible. However, Mr. Molnar is currently out of the country and will not be returning until mid-June. In addition, Riedel Environmental Services is no longer being retained by CaliFrance as a consultant on this project. Therefore, the requested additional work will be sent out to bid and a new consultant will be selected. As we discussed, these factors necessitate an understandable delay in responding to these notices of violation.

I anticipate that after Mr. Molnar's return approximately one month will be required to request and evaluate proposals and to select a new consultant. We intend to submit a plan addressing the items of your March 8, 1990 letter within two weeks of selecting a consultant. Based on this schedule a work plan would be submitted to your office by the beginning of August. We will keep you informed of our progress regarding this matter.

If you have any questions, please contact me at (415)541-2801 or (415)928-7713.

Sincerely,



Aniko R. Molnar
Environmental Engineer

cc: Mr. Nicholas D. Molnar
CaliFrance Corporation

June 5, 1990

Mr. Larry Seto
Alameda County Health Care Services
Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621

SUBJECT: 2801 MacArthur Blvd., Oakland, CA 94602

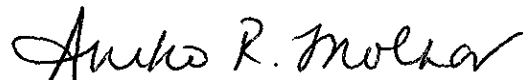
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Sincerely,



Aniko R. Molnar
Environmental Engineer

cc: Mr. Nicholas D. Molnar
CaliFrance Corporation

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



Certified Mail #P 062 127 841

May 23, 1990

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

Mr. Nicholas D. Molnar
CaliFrance Corp.
1904 Franklin St., Suite 501
Oakland, CA 94612

SECOND NOTICE OF VIOLATION

RE: 2801 MacArthur Blvd., Oakland, CA 94602

Dear Mr. Molnar:

A notice of violation dated March 8, 1990, was sent to you concerning violations at the above site. A plan of correction was requested within thirty (30) days of the receipt of this letter. As of this date, we have not received your plan of correction.

Please be aware that Section 25189(d), California Health and Safety Code, states that any person who negligently disposes or causes the disposal of any hazardous or extremely hazardous waste, at a point which is not authorized, shall be subject to a civil penalty of not more than twenty-five (\$25,000) thousand dollars for each violation.

Please submit your plan of correction within ten (10) days of the receipt of this letter.

Sincerely,

Larry Seto, Senior
Hazardous Materials Specialist

LS:mnc

Enclosure(s) 1

cc: Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Agency

RWQCB
Charlene Williams
Rafat A. Shahid, Assistant Agency Director, Environmental Health
Mike Buns, Riedel
Files

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Nicholas D. MOLNAR CALIFRANCE Corp. 1904 FRANKLIN St., Suite 501 OAKLAND, CA 94612	4. Article Number P062 127 841
B. Signature - Address X <i>[Signature]</i>	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
6. Signature - Agent X <i>[Signature]</i>	Always obtain signature of addressee or agent and DATE DELIVERED.
7. Date of Delivery MAY 25 1990	8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988

U.S.G.P.O. 1988-212-865

DOMESTIC RETURN RECEIPT

P 062 127 841
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

Sent to	
Street and No	
P.O. State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Ret. r. Receipt showing to whom and Date Delivered	
Return Receipt showing to whom Date and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

PS Form 3800, June 1985

RIEDEL ENVIRONMENTAL SERVICES, INC.
 4138 LAKESIDE DRIVE
 RICHMOND, CA 94806
 (415) 222-7810
 FAX (415) 222-6868

F A C S I M I L E T R A N S M I S S I O N
 C O V E R S H E E T

DATE: May 18, 1990

NUMBER OF PAGES TRANSMITTED
 (including this page):

ATTENTION: Larry Seto

2

FROM: Michael Burns

YOUR FILE: _____

TELECOPIER # 568-3706

OUR FILE: 4005

CITY/COUNTY: _____

MAIN OFFICE # _____

Unless the following instruction is clearly checked "NO", this facsimile will be sent and received with the Page Verifier feature code ("S") stamped on the upper right-hand side of each transmitted page.

NO _____

SPECIAL INSTRUCTIONS: for your files

are illegible, please

**ALAMEDA COUNTY
HEALTH CARE SERVICES****AGENCY**
DAVID J. KEARS, Director

Telephone Number: (415)

March 8, 1990

Mr. Nicholas D. Molnar
Califrance Corp.
1904 Franklin Street, Suite 501
Oakland, CA 94612

RE: 2801 MACARTHUR BLVD. OAKLAND, CA 94602

Dear Mr. Molnar:

I have reviewed your remedial investigation report dated December 14, 1989 that was prepared by Riedel Environmental for the above site. Nine on-site soil borings were drilled, and contamination was detected in five of these borings with up to 5,300 PPM of total petroleum hydrocarbon.

The following items need to be addressed:

- 1) The vertical and lateral extent of soil contamination needs to be fully characterized.
- 2) The groundwater must be adequately characterized. Monitoring wells must be installed.
- 3) Method(s) of remediating the contamination found in the areas of soil borings B-4, B-7, and B-9.

Please submit your plan addressing the above concerns within 30 days after the receipt of this letter.

If you have any questions, please contact me at 415/271-4320.

Sincerely,


Larry Sato

Sr. Hazardous Waste Specialist

CALIFRANCE CORPORATION

I N T E R N A T I O N A L I N V E S T M E N T S

January 26, 1990

Mr. Larry Setow
Alameda County Department of Environmental Health
Hazardous Materials Division
Room 200
80 Swan Way
Oakland, CA 94621

RE: Underground Tank Removal,
"CaliFrance Site"
2801 MacArthur Blvd, Oakland

Dear Mr. Setow:

We have completed all underground tank removal and associated soil removal activities at 2801 MacArthur Blvd, Oakland which site has been managed by CaliFrance Corporation. This has included the followings:

- Removal of three underground storage tanks;
- Removal of an underground waste oil tank;
- Removal of all underground pipings;
- Soil sampling underneath all tanks and piping;
Soil sampling from 9 soil borings to a total depth of 51 feet below ground;
- Removal and offsite disposal at approval landfills of 545 tons (approximately 435 cu.yd.) of soil.

All tank removal, soil sampling and soil excavation was performed by Riedel Environmental Services, Inc. We are enclosing Riedel's remedial investigation report, dated January, 1990 for your review and approval. Two previous reports prepared by Riedel, titled "Tank Removal" and "Subsurface Soil Investigation", dated June 9 and June 20, 1989 were already submitted to your office.

The soil which was excavated and stockpiled by Riedel, as described in the enclosed report, was subsequently removed from the site by Universal Engineering Incorporated on October 26, 27, 30 and 31, 1989. Approximately 388 tons of soil, with total petroleum hydrocarbon (TPH) concentration greater than 100 ppm were transported to Liquid Waste Management in McKittick, CA. The remaining

Mr. Larry Setow
January 26, 1990
Page Two

157 tons of soil which had TPH concentration less than 100 ppm was transported to Redwood Landfill in Novato, CA. All transportations were performed by Universal Engineering.

Riedel imported clean fill to the property and backfilled the excavations in December. The property has been paved with asphalt and returned to its original condition.

If you have any questions regarding this information, please contact us at your convenience.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Nicholas D. Molnar". The signature is fluid and cursive, with a large initial "N" and "M".

Nicholas D. Molnar

cc: Mr. Lester Feldman
Regional Water Quality Control Board

Mr. Wayman Hong
Alameda County Flood Control and
Water Conservation District



RIEDEL ENVIRONMENTAL
SERVICES, INC.

6/28/89
ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

June 23, 1989

Mr. Larry Setow
Alameda County Department
of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

Subject: Fence Installation at
2801 MacArthur Boulevard
Oakland, California
RES Project No. 4004

Dear Larry,

This letter has been written to inform you that fencing has been installed as of June 16, 1989 at 2801 MacArthur Boulevard, Oakland, California, so that the excavated soil piles in addition to the tank pit excavation are now fully enclosed by chain link fence. The site is the Cali France site, owned by Mr. Nicholas Molnar.

If you have any questions, please do not hesitate to call me.

Sincerely,

RIEDEL ENVIRONMENTAL SERVICES, INC.

 for

Paul H. King
Project Manager

PHK:hav

CALIFRANCE CORPORATION

I N T E R N A T I O N A L I N V E S T M E N T S

June 23, 1989

6/26/89

Mr. Larry Setow
Senior Specialist
Alameda County Dept. of Env. Health
80 Swan Way
Oakland, CA 94621

ANAMELA COON
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

RE: 2801 MacArthur Blvd
Oakland, CA

Dear Mr. Swan:

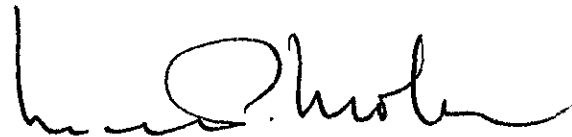
Upon the suggestion of Messrs. Burn and King from Riedel Environmental Services we enclose a copy of their Sub-surface Soil Investigation Report with reference to the above property, which is managed by us.

We would like your approval of the Plan as outlined in the report in order to finish the clean-up and complete the work.

With any question or comments please kindly contact the undersigned or Riedel directly.

Awaiting to hear from you at your earliest, we remain

Sincerely yours,



Nicholas D. Molnar

cc: Michael J. Burns

7/15/89
AM

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.	
REPORT DATE 05 M 20 D 89 Y		CASE #		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT PETER PASLO		PHONE (415) 222-7810	SIGNATURE Peter Paslo	
	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 Riedel Environmental Services		
	ADDRESS 4138 STREET LAKESIDE CITY Richmond STATE CA ZIP 94806				
RESPONSIBLE PARTY	NAME Calli Franke Corp. <input type="checkbox"/> UNKNOWN		CONTACT PERSON Nicholas Molnar	PHONE (415) 952-4711	
	ADDRESS 1904 FRANKLIN STREET OAKLAND CITY CA STATE 94612 ZIP				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) NONE (GAS STATION)		OPERATOR NONE	PHONE () NONE	
	ADDRESS 2801 STREET MacArthur Blvd CITY Oakland Alameda 94602				
	CROSS STREET Coolidge	TYPE OF AREA <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER	TYPE OF BUSINESS <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER		
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda County Dept. of Env. Health		AGENCY NAME	CONTACT PERSON Larry Seto	PHONE (415) 271-4320
	REGIONAL BOARD				PHONE ()
SUBSTANCES INVOLVED	(1) NAME		QUANTITY LOST (GALLONS)		
	(2)				
DISCOVERY/ABATEMENT	DATE DISCOVERED 05 M 10 D 89 Y		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input checked="" type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER		
	DATE DISCHARGE BEGAN M M D D Y Y <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input checked="" type="checkbox"/> OTHER REMOVE TANK		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 05 M 03 D 89 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 3500 GAL.	MATERIAL <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input type="checkbox"/> OTHER
			AGE _____ YRS	<input checked="" type="checkbox"/> UNKNOWN	
CASE TYPE	CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input checked="" 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 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				
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input 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					

4/2 SETO

**ALAMEDA COUNTY HEALTH CARE SERVICE AGENCY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 HAZARDOUS MATERIALS DIVISION
 80 SWAN WAY, ROOM 200
 OAKLAND, CA 94621
 PHONE NO. 415/271-4320**

*6/28/89
 Please see additional
 requirements on sheet 13.*

ACCEPTED

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

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

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

- _____ Removal of Tank and Piping
- _____ Sampling
- _____ Final Inspection

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

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name CALI FRENCH CORPORATION
 Business Owner SAME
2. Site Address 2801 MacArthur Blvd.
 City Oakland Zip 94602 Phone None
3. Mailing Address 1904 Franklin Street, Suite 501
 City Oakland Zip 94612 Phone (415) 452-4711
4. Land Owner Cali French Corporation
 Address 904 Franklin St.-Suite 501 City, State Oakland, CA Zip 94612
5. EPA I.D. No. CAC 000 165 349
6. Contractor Riedel Environmental Services, Inc.
 Address 4138 Lakeside Dr.
 City Richmond, CA 94806 Phone (415) 222-7311
 License Type A ID# 403436
7. Consultant Same as above
 Address _____
 City _____ Phone _____

*4592802
 6-28-89
 333.02*

12. Sample Collector

Name Michael Falk or Daniel Brennan
 Company Riedel Environmental Services
 Address 4138 Lakeside Drive
 City Richmond State CA Zip 94806 Phone (415) 222-7810

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
500	WASTE OIL	soil and ground water if present	tank end One sample minimum under fill pipe. If the tank appears jitted, corroded or leaking, or soil is siccobal, two samples must be taken.

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. RES will inert tanks by adding dry ice at the rate
of 1.5 lbs. per 100 gallons of tank volume.

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

16. Laboratories

Name Matec Laboratories
 Address 435 Tasconi Circle
 City Santa Rosa State CA Zip 9540
 State Certification No. 178

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) Peter Rasco

Signature Peter Rasco

Date 4/10/89

Signature of Site Owner or Operator

Name (please type) Nicholas Molinar

Signature Nicholas Molinar

Date 4/10/89

8. Contact Person for Investigation

Name Michael G. Burns Title Project Manager
Phone (415) 222-7810

9. Total No. of Tanks at facility 1 ^{WASTE OIL TANK}

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

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Transporter

Name Riedel Environmental Services EPA I.D. No. CA0981389125
Address 4138 Lakeside Drive
City Richmond State CA Zip 94806

b) Rinsate Transporter

Name Riedel Environmental Services EPA I.D. No. CA0981389125
Address 4138 Lakeside Dr.
City Richmond State CA Zip 94806

c) Tank Transporter

Name Riedel Environmental Services EPA I.D. No. CA0981389125
Address 4138 Lakeside Dr.
City Richmond State CA Zip 94806

d) Tank Disposal Site

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

e) Contaminated Soil Transporter

Name Stanco, Inc. EPA I.D. No. CAD003517996
Address 1247 Llagas avenue
City San Martin State CA Zip 95046

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
TOTAL PETROLEUM Hydrocarbons	<i>DHS Extraction Method</i>	EPA 8015
<i>Volatle Organic Compounds</i>	EPA 5030	EPA 8020, 8010
<i>Total Oil & Grease</i>	→	<i>SM 503 0 & e</i>

18. Submit Site Safety Plan attached

19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

Name of Insurer National Union Fire Insurance Co.

20. Plot Plan submitted? Yes No

21. Deposit enclosed? Yes No

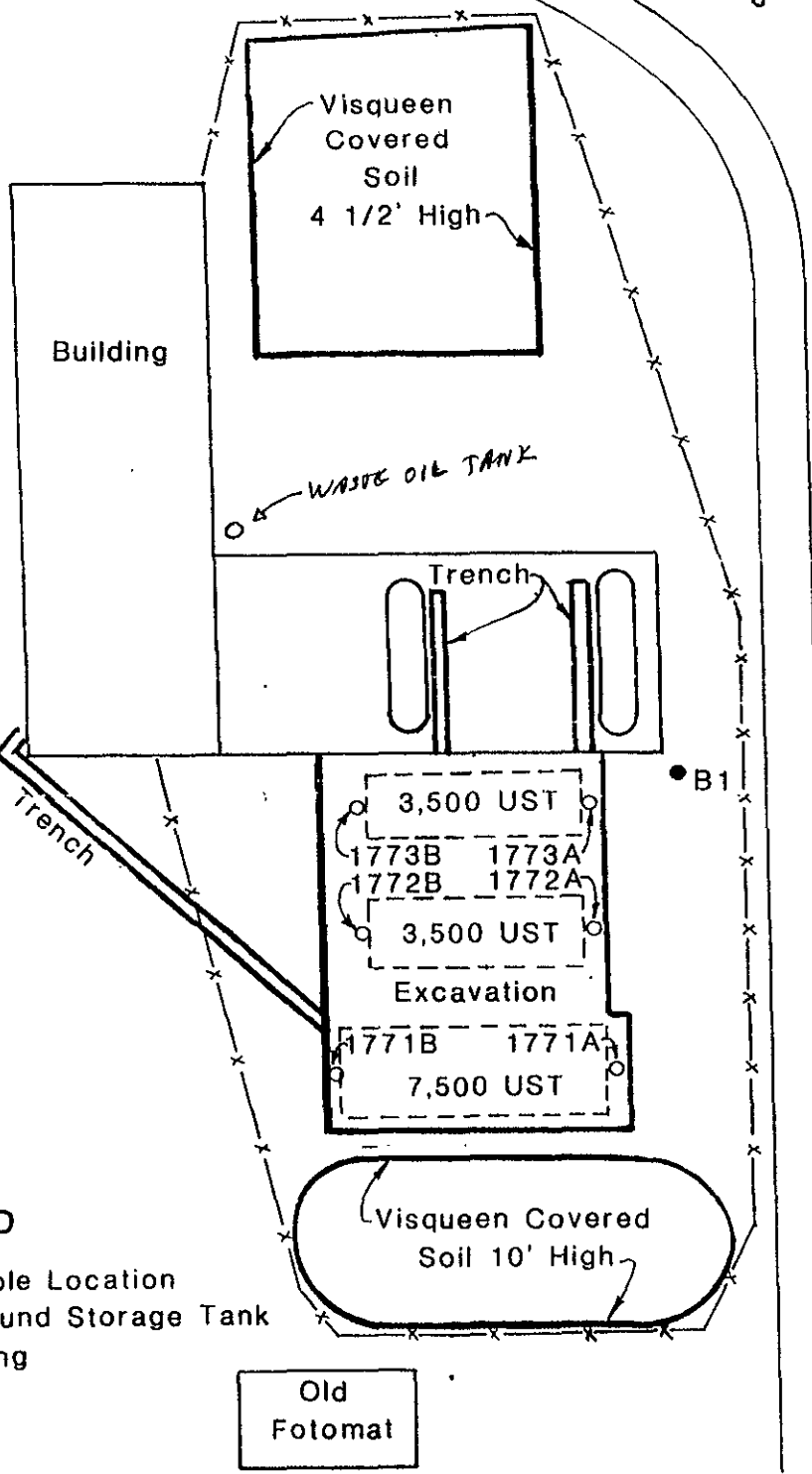
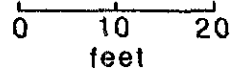
22. Please forward to this office the following information within 60 days after receipt of sample results.

- 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

Georgia Street



SCALE



Mac Arthur Blvd.

LEGEND

- 1773B ○ Soil Sample Location
- UST Underground Storage Tank
- B1 ● Soil Boring

Old Fotomat

6/19/89



RIEDEL ENVIRONMENTAL SERVICES, INC. Richmond, California

SITE PLAN
Call France Corporation
Proj. No. 4004

FIGURE
1

ACCEPTED
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 470 - 27th St, Third Floor
 Of 1 and, CA 94612
 Telephone: (415) 874-7237

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

These plans have been reviewed and found to be acceptable and they meet the requirements of State and local health laws. Changes to our plans indicated by this Department are to assure compliance with State and local laws. The project proposed here is now released for issuance of any required building permits for construction.

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

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

- _____ Removal of Tank and Piping
- _____ Sampling
- _____ Final Inspection

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

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name CALI FRENCH CORPORATION
 Business Owner SAME
2. Site Address 2801 MacArthur Blvd.
 city Oakland zip 94602 Phone None
3. Mailing Address 1904 Franklin Street, Suite 501
 city Oakland zip 94612 Phone (415) 452-4711
4. Land Owner Cali French Corporation
 Address 1904 Franklin St.-Suite 501 City, State Oakland, CA zip 94612
5. EPA I.D. No. CAC 000 165 349
6. Contractor Riedel Environmental Services, Inc.
 Address 4138 Lakeside Dr.
 city Richmond, CA 94806 Phone (415) 222-7810
 License Type A ID# 483436
7. Consultant Same as above
 Address _____
 city _____ Phone _____

8. Contact Person for Investigation

Name Peter Rasco Title Project Manager
Phone (415) 222-7810

9. Total No. of Tanks at facility 3 (possibly 4) - unknown

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 Riedel Environmental Services EPA I.D. No. CA0981389125
Address 4138 Lakeside Drive
City Richmond State CA Zip 94806

b) Rinsate Transporter

Name Riedel Environmental Services EPA I.D. No. CA0981389125
Address 4138 Lakeside Dr.
City Richmond State CA Zip 94806

c) Tank Transporter

Name Riedel Environmental Services EPA I.D. No. CA0981389125
Address 4138 Lakeside Dr.
City Richmond State A Zip 94806

d) Tank Disposal Site

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

e) Contaminated Soil Transporter

Name Stanco, Inc. EPA I.D. No. CAD063547996
Address 1247 Llagas avenue
City San Martin State CA Zip 95046

12. Sample Collector

Name Peter Rasco
 Company Riedel Environmental Services
 Address 4138 Lakeside Drive
 City Richmond State CA Zip 94806 Phone (415) 222-7810

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
3,500	Leaded gasoline	soil	tank ends
3,500	Leaded gasoline	soil	tank ends
7,500	Leaded gasoline	soil <i>and ground water if present</i>	tank ends <i>under both ends of the tank at the soil/muck/gill interface, into two feet of the native soil!</i>

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

If yes, describe. Both 3,500 gallon tanks failed pressure tests.

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

If yes, describe. RES will inert tanks by adding dry ice at the rate of 1.5 lbs. per 100 gallons of tank volume.

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

16. Laboratories

Name Anatec Laboratories
 Address 435 Tesconi Circle
 City Santa Rosa State CA Zip 95401
 State Certification No. 178

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
TOTAL PETROLEUM Hydrocarbons (light)	EPA 5030	EPA 8015
BTEX	EPA 5030	EPA 8020
Lead	DHS Luft Method	EPA 7421

18. Submit Site Safety Plan attached

19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

Name of Insurer National Union Fire Insurance Co.

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) Peter Rasco

Signature Peter Rasco

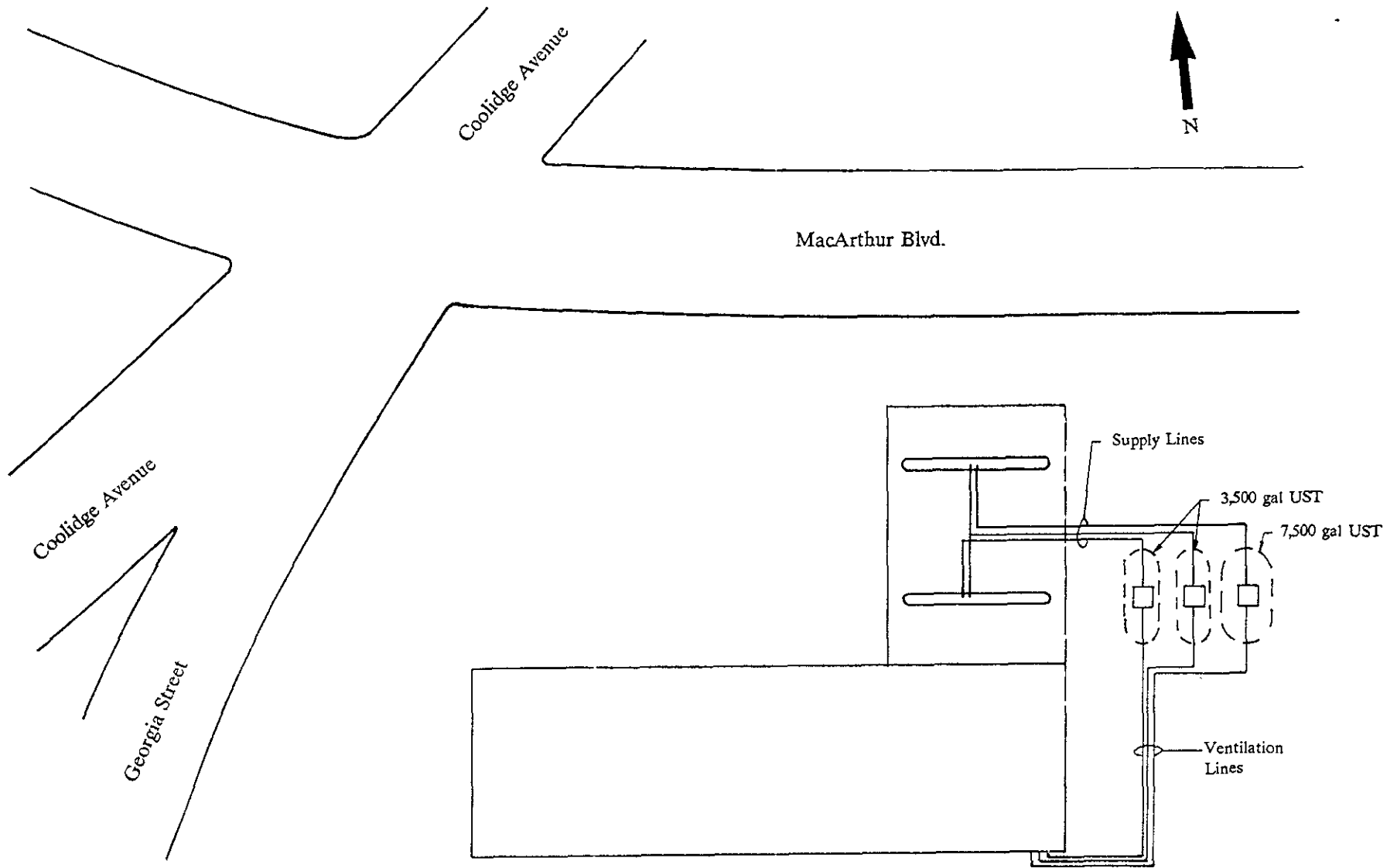
Date 4/10/89

Signature of Site Owner or Operator

Name (please type) Nicholas Molinar

Signature Nicholas Molinar

Date 4/10/89



UST - Underground Storage Tank

not to scale

SITE PLAN
 CALI French Corporation
 2801 MacArthur Blvd.
 Oakland, California

Figure 1



CERTIFICATE OF INSURANCE

INITIALS (PRINT) AND SIGNATURE

ISSUE DATE (MM/DD/YY)

4q10q89shg

PRODUCER

Corroon & Black of Oregon
 PO Box 8699
 Portland, Or 97207
 503-224-4155

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

COMPANIES AFFORDING COVERAGE

COMPANY LETTER A	National Union Fire Insurance Co., of Pittsburgh
COMPANY LETTER B	
COMPANY LETTER C	
COMPANY LETTER D	Certificate no. R157
COMPANY LETTER E	

INSURED

Riedel Environmental Services, Inc.
 PO Box 5007
 Portland, Or 97208

COVERAGES

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

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIABILITY LIMITS IN THOUSANDS	
					FACT OCCURRENCE	AGGREGATE
	GENERAL LIABILITY					
<input type="checkbox"/>	COMPREHENSIVE FORM				BODILY INJURY	\$
<input type="checkbox"/>	PREMISES/OPERATIONS				PROPERTY DAMAGE	\$
<input type="checkbox"/>	UNDERGROUND EXPLOSION & COLLAPSE HAZARD				BI & PD COMBINED	\$
<input type="checkbox"/>	PRODUCTS/COMPLETED OPERATIONS				PERSONAL INJURY	\$
<input type="checkbox"/>	CONTRACTUAL					
<input type="checkbox"/>	INDEPENDENT CONTRACTORS					
<input type="checkbox"/>	BROAD FORM PROPERTY DAMAGE					
<input type="checkbox"/>	PERSONAL INJURY					
	AUTOMOBILE LIABILITY					
<input type="checkbox"/>	ANY AUTO				BODILY INJURY (PER PERSON)	\$
<input type="checkbox"/>	ALL OWNED AUTOS (PRIV. PASS.)				BODILY INJURY (PER ACCIDENT)	\$
<input type="checkbox"/>	ALL OWNED AUTOS (OTHER THAN PRIV. PASS.)				PROPERTY DAMAGE	\$
<input type="checkbox"/>	HIRED AUTOS				BI & PD COMBINED	\$
<input type="checkbox"/>	NON-OWNED AUTOS					
<input type="checkbox"/>	GARAGE LIABILITY					
	EXCESS LIABILITY					
<input type="checkbox"/>	UMBRELLA FORM				BI & PD COMBINED	\$
<input type="checkbox"/>	OTHER THAN UMBRELLA FORM					
A	WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY	WC 5246553RA	4-1-89	4-1-90	STATUTORY	
					\$ 1,000 (EACH ACCIDENT)	
					\$ 1,000 (DISEASE-POLICY LIMIT)	
					\$ 1,000 (DISEASE-EACH EMPLOYEE)	
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

Permit for Calli French, Oakland

CERTIFICATE HOLDER

Dept. of Environmental Health
 County of Alameda
 80 Swan Way, Room 200
 Oakland, CA 94621

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

SITE SAFETY PLAN

JOB NUMBER: 4004
 JOB NAME : Cali French Corporation

A. SITE DESCRIPTION
 Date 3/28/89 Location Oakland, California

Hazards:
 Chemical(s) possible BTXE
 Confined Space N/A
 Flammability possibly
 Reactivity N/A
 Topography N/A
 Weather clear - rain possible
 Noise N/A
 Radiation N/A
 Ergonomic N/A

B. ENTRY OBJECTIVES - The objective of the initial entry to the contaminated area is to (describe actions, tasks to be accomplished; i.e, identify contaminated soil; monitor conditions, etc.) monitor LEL

C. ONSITE ORGANIZATION AND COORDINATION - The following personnel are designated to carry out the stated job functions on site. (Note: one person may carry out more than one job function.)
 PROJECT TEAM MANAGER Mike Falk work 222-7810 mobile
 SITE SAFETY OFFICER Angela D. Wade pager # 741-9213
 FOREMAN _____
 FIELD TEAM MEMBERS _____

All personnel arriving or departing the site should log in and out with the Recordkeeper. All activities on site must be cleared through the Project Manager.

CONTRACTOR COMPANY OR AGENCY Cali French Corporation
 CONTACT Nicholas Molnar 452-4111 (w)
547-5533 (H)

D. ONSITE CONTROL

Control boundaries have been established, and the Exclusion Zone (the contaminated area), hotline, Contamination Reduction Zone, and Support Zone (clean area) have been identified and designated as follows: (describe boundaries and/or attach map of controlled area) *Immediate tank excavation is Exclusion zone. No un authorized personnel, food, beverage or tobacco products. Site manager will define boundaries of Contamination Reduction and Support zones. Food, Beverages, Cosmetics allowed only in Support zone. These boundaries are identified by (marking of zones, i.e., red boundary tape - hotline; traffic cones - Support Zone; etc.) Site Manager will select boundary marking appropriate for site.*

E. HAZARD EVALUATION

The following substance(s) are known or suspected to be on site. The primary hazards of each are identified.

Substances Involved Route(s) of Entry Symptoms of Exposure

Chemical Name & Concentration	Route(s) of Entry	Symptoms of Exposure
<i>possible diesel</i>		i.e., toxic or inhalation
<i>benzene [] unknown</i>	<i>skin, respiratory tract</i>	<i>skin itch or irritation, absorption included muscular linings</i>
<i>toluene</i>	<i>skin, respiratory tract</i>	
<i>xylene</i>	<i>skin, respiratory tract</i>	
<i>ethyl benzene</i>		

Hazardous substance information form(s) for the involved substances have been completed and are attached. *Information from some Hazardous Chemicals Desk reference*

F. PERSONAL PROTECTIVE EQUIPMENT

Based on evaluation of potential hazards, the following levels of personal protection have been designated for the applicable work areas or tasks:

Location	Job Function	Levels of Protection			
		A	B	C	D
Exclusion Zone	<i>Excavation</i>	A	B	C	D Other
	<i>Tank removal</i>	A	B	C	D Other
	<i>Backfilling</i>	A	B	C	D Other
	<i>Decontaminating tank interior</i>	A	B	C	D Other
Contamination		A	B	C	D Other
Reduction Zone	<i>equipment preparation</i>	A	B	C	D Other
	<i>" decontamination</i>	A	B	C	D Other
		A	B	C	D Other

Specific protective equipment for each level of protection is as follows:

Level A _____

Level B _____

Level C _____

Level D Hard hat, goggles/safety glasses, coveralls, chemical gloves, chemical boots, steel shank tools, disposable tarp for heavy equipment operation.

Other _____
All employees carry ready bag. Should monitor and implicate on in case in level of protection, site manager will make decision.

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE SITE SAFETY OFFICER AND THE PROJECT TEAM LEADER.

G. ONSITE WORK PLANS

Work party(s) consisting of _____ persons will perform the following tasks:

Project Team Leader _____ (name) _____ (function) _____

Work Party #1 _____

Work Party #2 _____

Rescue Team _____ N/A
 (required for entries to IDIH environments)

Decontamination Team _____

Each team individual responsible for decontamination of personal equipment. Equipment operators responsible for decontamination of machinery.

H. COMMUNICATION PROCEDURES

Channel _____ has been designated as the radio frequency for personnel in the Exculsion Zone. All other onsite communications will use channel _____.

Personnel in the Exclusion Zone should remain in constant radio communication or within sight of the Project Team Leader. Any failure of radio communication requires an evaluation of whether personnel should leave the Exculsion Zone.

(Horn blast, siren, etc.) is the emergency signal to indicate that all personnel should leave the Exclusion Zone. In addition, a loud hailer is available if required.

The following standard hand signals will be used in case of failure of radio communications:

- Hand gripping throat -----Out of air, can't breathe
- Grip partner's wrist or
both hands around waist -----Leave area immediately
- Hands on top of head-----Need Assistance
- Thumbs up-----OK, I am all right,
I understand
- Thumbs down-----No, negative,

Telephone communication to the Command Post should be established as soon as practicable. The phone number is _____.

I. DECONTAMINATION PROCEDURES

Personnel and equipment leaving the Exclusion Zone shall be thoroughly decontaminated. The standard level D decontamination protocol shall be used with the following decontamination stations: (1) decontamination Reduction Zone
(2) _____ (3) _____ (4) _____
(5) _____ (6) _____ (7) _____
(8) _____ (9) _____ (10) _____

Other _____
Emergency decontamination will include the following stations: Emergency eye wash, emergency shower, 1st aid station, ~~contaminated~~ decontamination reduction or support zones.

The following decontamination equipment is required:
High flow with spray nozzle or shower, eye wash, portable 1st aid kit

(Normally detergent and water) ISP will be used as the decontamination solution.

J. EMERGENCY MEDICAL CARE

Closest Hospital _____
 Address _____ Phone _____
 Distance _____
 Ambulance _____ Phone 911

First-aid equipment is available on site at the following locations:

First-aid Kit command center / pre-designated location
 Emergency eye wash _____
 Emergency shower _____
 Other _____

Emergency medical information for substances present:

Substance	Exposure	Symptoms	First-Aid Instructions
<u>All Section</u>	<u>skin</u>	<u>itchy, irritated skin</u>	<u>Wash with water</u>
<u>R Hazards</u>	<u>wash</u>	<u>gagging, coughing</u>	<u>eyes hold open & flush for 15 min</u>
		<u>difficultly breathing</u>	<u>Inhalation, fresh air space, emergency room</u>

List of emergency phone numbers:

Agency/Facility	Phone #	Contact
Police		
Fire		

K. ENVIRONMENTAL MONITORING

The following environmental monitoring instruments shall be used on site (cross out if not applicable) at the specified intervals.

Combustible Gas Indicator	- continuous/hourly/daily/other
Before and after <u>excavation</u>	- <u>LFH whenever new phase of work involving</u>
O2 Monitor	- continuous/hourly/daily/other
Colorimetric Tubes	- continuous/hourly/daily/other
(type) <u>N/A</u>	
HNU/OVA	- continuous/hourly/daily/other
<u>N/A</u>	
Other	- continuous/hourly/daily/other
	- continuous/hourly/daily/other

- L. **Emergency Procedures** (should be modified as required for incident). The following standard emergency procedures will be used by onsite personnel. The Site Safety Officer shall be notified of any onsite emergencies and be responsible for ensuring that the appropriate procedures are followed.

Personnel Injury in the Exclusion Zone: Upon notification of an injury in the Exclusion Zone, the designated emergency signal of 3 horn blasts shall be sounded. All site personnel shall assemble at the decontamination line. The rescue team will enter the Exclusion Zone (if required) to remove the injured person to the hotline. The Site Safety Officer and Project Team Leader should evaluate the nature of the injury, and the affected person should be decontaminated to the extent possible prior to movement to the Support Zone. The onsite EMT shall initiate the appropriate first aid, and contact should be made for an ambulance and with the designated medical facility (if required). No persons shall re-enter the Exclusion Zone until the cause of the injury or symptoms is determined.

Personnel Injury in the Support Zone: Upon notification of an injury in the Support Zone, the Project Team Leader and Site Safety Officer will assess the nature of the injury. If the cause of the injury or loss of the injured person does not affect the performance of site personnel, operations may continue, with the onsite EMT initiating the appropriate first aid necessary follow-up as stated above. If the injury increases the risk to others, the designated emergency signal of 3 horn blasts shall be sounded and all site personnel shall move to the decontamination line for further instructions. Activities on site will stop until the added risk is removed or minimized.

Fire/Explosion: Upon notification of a fire or explosion on site, the designated emergency signal of 3 horn blasts shall be sounded and all site personnel assembled at the decontamination line. The fire department shall be alerted and all personnel moved to a safe distance from the involved area.

Personal Protective Equipment Failure: If any site worker experiences a failure or alteration of protective equipment that affects the protection factor, that person and his/her buddy shall immediately leave the Exclusion Zone. Re-entry shall not be permitted until the equipment has been repaired or replaced.

Other Equipment Failure: If any other equipment on site fails to operate properly, the Project Team Leader and Site Safety Officer shall be notified and then determine the effect of this failure on continuing operations on site. If the failure affects the safety of personnel or prevents completion of the Work Plan tasks, all personnel shall leave the Exclusion Zone until the situation is evaluated and appropriate actions taken.

The following emergency escape routes are designated for use in those situations where egress from the Exclusion zone cannot occur through the decontamination line:

(describe alternate routes to leave area in emergencies) Brief crews and any sub-contractors on evacuation plan

In all situations, when an onsite emergency results in evacuation of the Exclusion Zone, personnel shall not re-enter until:

1. The conditions resulting in the emergency have been corrected.
2. The hazards have been reassessed.
3. The Site Safety Plan has been reviewed.
4. Site personnel have been briefed on any changes in the Site Safety Plan.

M. Personal Monitoring

The following personal monitoring will be in effect on site: Personal exposure sampling: (describe any personal sampling programs being carried out on site personnel. This would include use of sampling pumps, air monitors, etc.)

N/A possible dosimeter monitoring for heavy equipment operators

Medical monitoring: The expected air temperature will be () °F. If it is determined that heat stress monitoring is required (mandatory if over 70 °F) the following procedures shall be followed: (describe procedures in effect, i.e., monitoring body temperature, body weight, pulse rate) excessively

Warm temperatures are not anticipated. If hot, take frequent cool down breaks during which Gatorade, water or fruit juice are appropriate beverages.

If extreme cold: wear cotton glove liners & boot liners for insulation. Drink decaffeinated coffee and low sugar hot chocolate as warming beverages

N. Daily toolbox meetings will occur. Topics discussed will be recorded in writing, and all site workers will attend.

N. All site personnel have read the above plan and are familiar with its provisions.

	(name)	(signature)	(date)
Site Safety Officer	Angela Wade		/ /
Project Manager	Mike Falk		/ /
Other Site Personnel			/ /
			/ /
			/ /
			/ /
			/ /

1-BENZEDRINE SULFATE

HR: 3

CAS: 51-62-7

NIOSH: SI 1575000

mf: $C_{18}H_{26}N_2 \cdot H_2O_4S$

mw: 368.54

SYNS: (-)-AMPHETAMINE SULFATE * L-AMPHETAMINE SULFATE * LEVEDRINE * L-1-PHENYL-2-AMINOPROPANE SULFATE

THR: A poison via subcutaneous and intraperitoneal routes. See also sulfates. When heated to decomposition, it emits very toxic fumes of SO_x and NO_x .

BENZENAMINE HYDROCHLORIDE

HR: 3

CAS: 142-04-1

NIOSH: CY 0875000

mf: $C_6H_7N \cdot ClH$

mw: 129.60

PROP: Crystals; vap d: 4.46, d: 1.22, mp: 198°, bp: 245°, flash p: 380°F (OC).

SYNS: ANILINE HYDROCHLORIDE * "ANILINE SALT" * CHLORHYDRATE D'ANILINE (FRENCH) * CHLORID ANILINU (CZECH) * NCI-CO3736 * USAF EK-442

THR: Poison by intraperitoneal route. An experimental carcinogen. Moderate skin irritant, severe eye irritant. See also aniline. Slight fire hazard when exposed to heat or flame. When heated to decomposition or on contact with acid or acid fumes, it emits highly toxic fumes of aniline and chlorine compounds; can react vigorously with oxidizing materials. To fight fire, use water, CO_2 , water mist or spray, dry chemical.

BENZENE

HR: 3

CAS: 71-43-2

NIOSH: CY 1400000

DOT: 1114

mf: C_6H_6 mw: 78.12

PROP: Clear colorless liquid. mp: 5.51°, bp: 80.093°-80.094°, flash p: 12°F (CC), d: 0.8794 @ 20°, autoign temp: 1044°F, lel: 1.4%, uel: 8.0%, vap press: 100 mm @ 26.1°, vap d: 2.77, ulc: 95-100.

SYNS: (6)ANNULENE * BENZEEN (DUTCH) * BENZEN (POLISH) * BENZOL * BENZOLENE * BENZOLO (ITALIAN) * BICARBURET OF HYDROGEN * CARBON OIL * COAL NAPHTHA * CUTOHEXATRIENE * FENZEN (CZIC) * MINERAL NAPHTHA * MOTOR BENZOL * NCI-C55276 * PHENYL HYDRIDE * PYROBENZOL

OSHA PEL: TWA 10 ppm; CL 25 ppm; Pk 50 ppm/10M/8H

ACGIH TLV: TWA 10 ppm; BEI (total phenol in urine) 50 mg/L

TRK: 8 ppm; 26 mg/m³

DOT Classification: Label: Flammable Liquid

THR: Poison by intravenous and possibly other routes. Moderately toxic by inhalation, ingestion, subcutaneous, and intraperitoneal routes. A strong eye and mild skin irritant. Central nervous system and blood system effects by inhalation and ingestion. A human carcinogen (myeloid leukemia). An experimental teratogen and tumorigen. Mutagenic data. A narcotic. Chronic benzene poisoning by inhalation is important in industry, although poisoning by skin contact has been reported. Elimination is chiefly through the lungs. A common air contaminant.

Poisoning occurs most commonly via inhalation of the vapor, though benzene can penetrate the skin and poison in that way. Locally, benzene has a comparatively strong irritating effect, producing erythema and burning, and, in more severe cases, edema and even blistering. Exposure to high concentrations of the vapor (3000 ppm or higher) may result from failure of equipment or spillage. Such exposure, while rare in industry, may result in acute poisoning, characterized by the narcotic action of benzene on the central nervous system. The anesthetic action of benzene is similar to that of other anesthetic gases, consisting of a preliminary stage of excitation followed by depression and, if exposure is continued, death through respiratory failure. The chronic, rather than the acute form, of benzene poisoning is important in industry. It is a recognized leukemogen. There is no specific blood picture occurring in cases of chronic benzol poisoning. The bone marrow may be hypoplastic, normal, or hyperplastic, the changes reflected in the peripheral blood. Anemia, leucopenia, macrocytosis, reticulocytosis, thrombocytopenia, high color index, and prolonged bleeding time may be present. Cases of myeloid leukemia have been reported. For the supervision of the worker, repeated blood examinations are necessary, including hemoglobin determinations, white and red cell counts and differential smears. Where a worker shows a progressive drop in either red or white cells, or where the white count remains low, 5,000 per cu mm or the red count <4.0 million per cu mm, on two successive monthly examina-

* tions, he should be immediately removed from exposure. Elimination is chiefly through the lungs, when fresh air is breathed. The portion absorbed is oxidized, and the oxidation products are combined with sulfuric and glycuronic acids and eliminated in the urine. This may be used as a diagnostic sign. Benzene has a definite cumulative action, and exposure to relatively high concentration is not serious from the point of view of causing damage to the blood-forming system, provided the exposure is not repeated. On the other hand, daily exposure to concentrations of 100 ppm or less will usually cause damage if continued over a protracted period of time. In acute poisoning, the worker becomes confused and dizzy, complains of tightening of the leg muscles and of pressure over the forehead, then passes into a stage of excitement. If allowed to remain in exposure, he quickly becomes stupefied and lapses into coma. In non-fatal cases, recovery is usually complete and no permanent disability occurs. In chronic poisoning the onset is slow, with the symptoms vague; fatigue, headache, dizziness, nausea and loss of appetite, loss of weight and weakness are common complaints in early cases. Later, pallor, nosebleeds, bleeding gums, menorrhagia, petechiae and purpura may develop. There is great individual variation in the signs and symptoms of chronic benzene poisoning. Benzene is a common air contaminant. It is an experimental mutagen, carcinogen, teratogen. A dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials, such as BrF_3 ; Cl_2 ; CrO_3 ; O_2N ; ClO_4 ; O_2 ; O_3 ; perchlorates; $(\text{AlCl}_3 + \text{FCIO}_4)$; $(\text{H}_2\text{SO}_4 + \text{permanganates})$; K_2O_2 ; $(\text{AgClO}_4 + \text{acetic acid})$; Na_2O_2 . Moderate explosion hazard when exposed to heat or flame. Use with adequate ventilation. Highly flammable. To Fight Fire: Foam, CO_2 , dry chemical. Incompatible with diborane. For further information see Vol. 2, No. 4 and Vol. 3, No. 3 of *DPIM Report*.

BENZENEARSONIC ACID HR: 3
CAS: 98-05-5 NIOSH: CY 3150000
mf: $\text{C}_6\text{H}_7\text{AsO}_3$ mw: 202.05

PROP: Colorless crystals, water-sol; d: 1.760, mp. 160° decomp.

SYNS: PHENYL ARSENIC ACID * PHENYLARSONIC ACID

THR: A deadly poison by ingestion and intravenous routes. See also arsenic compounds. When heated to decomposition, it emits toxic fumes of As.

BENZENECARBOXALDEHYDE HR: 3
CAS: 63021-32-9 NIOSH: CU 3750000
mf: $\text{C}_{19}\text{H}_{15}\text{N}$ mw: 257.35

SYNS: 7-ETHYLBENZ(C)ACRIDINE * 9-ETHYL-3,4-BENZACRIDINE * PHENYLMETHANAL

THR: An experimental carcinogen. See also aldehydes. When heated to decomposition, it emits toxic fumes of NO_x .

BENZENE CHLORIDE HR: 2
CAS: 108-90-7 NIOSH: CZ 0175000
DOT: 1134
mf: $\text{C}_6\text{H}_5\text{Cl}$ mw: 112.56

PROP: Clear, colorless liquid. bp: 131.7°, lcl = 1.3%, uel = 7.1%, @ 150°, mp: -45°, flash p: 85°F (CC), d: 1.113 @ 15.5°/15.5°, autoign temp: 1180°F, vap press: 10 mm @ 22.2°, vap d: 3.88.

SYNS: CHLOORBENZEEN (DUTCH) * CHLORBENZENE * CHLORBENZOL * CHLOROBEZENE (POLISH) * CHLOROBENZENE * CLOROBENZENE (ITALIAN) * MONOCHLOORBENZEEN (DUTCH) * MONOCHLORBENZENE * MONOCHLORBENZOL (GERMAN) * MONOCHLOROBEZENE * MONOCLOROBEZENE (ITALIAN) * NCI-C54886 * PHENYL CHLORIDE

OSHA PEL: TWA 75 ppm
DOT Classification: Label: Flammable Liquid

THR: Moderately toxic by ingestion. Strong narcotic with slight irritant qualities. Dichlorobenzols are strongly narcotic. Little is known of the effects of repeated exposures at lower concentrations, but it may cause kidney and liver damage. The industrial illnesses reported may possibly be due to nitrobenzol. Dangerous fire hazard when exposed to heat or flame. Also violent reaction with AgClO_4 , dimethyl sulfoxide. Moderate explosion hazard when exposed to heat or flame. Reacts vigorously with oxidizers. See also chlorine compounds. To fight fire, use foam, CO_2 , dry chemical, water to blanket fire. For further information, see Chlorobenzene, Vol. 2, No. 4 of *DPIM Report*.

.1,000 ppm causing narcosis in guinea pigs followed by death after 20 H exposure. Some

of the symptoms described (mia) suggest that other substances, such as benzol, may have been present. In a few cases of industrial poisoning, it is possible that prolonged exposure to benzol may cause kidney damage. Also somnolence, loss of consciousness, tingling of the extremities, shallow respirations and a small, rapid pulse are chief symptoms occurring. The urine may be burgundy in color. Blood cells show degenerative changes. Fire Hazard: 1. Highly flammable. Exposed to heat or flame. Reacts with AgClO_4 , dimethyl sulfoxide.

1,3-BENZENEDICARBONITRILE
CAS: 626-17-5
mf: $\text{C}_8\text{H}_4\text{N}_2$ mw: 12

PROP: Colorless crystals, insoluble in benzene, acetone; vap (subl).

SYNS: M-PHTHALODINITRILE * BENZENE * 1,3-DICYANODINITRILE (CZECH) * ISOPHTHALONITRILE * ISOFTALOVE (CZECH)

THR: Poison by ingestion. When heated to decomposition, it emits toxic fumes of NO_x and CN^* .

p-BENZENEDINITRILE
CAS: 623-26-7
mf: $\text{C}_8\text{H}_4\text{N}_2$ mw: 1

PROP: Crystals. vap d

SYNS: 4-CYANOBENZONITRILE * BENZENE * 1,4-DICYANODINITRILE * TEREPHTHALONITRILE * TEREPHTHALONITRILE

THR: Moderately toxic by ingestion. Slightly toxic by inhalation. A moderate skin and eye irritant. NO_x

BENZENE HEXACHLORIDE
CAS: 608-73-1
mf: $\text{C}_6\text{H}_6\text{Cl}_6$ mw: 288.5

PROP: Technical grade, 6.5% beta-BHC

2-ETHYLAMINO-1,3,4-THIADIAZOLE

HR: 3
CAS: 13275-68-8 NIOSH: XI 3900000
mf: $C_4H_7N_3S$ mw: 129.20

SYN: NSC 4730

THR: A poison by intraperitoneal and subcutaneous routes. An experimental teratogen. When heated to decomposition it emits very toxic fumes of NO_x and SO_x .

N-ETHYL ANILINE HR: 3
CAS: 103-69-5 NIOSH: BX 9780000
mf: $C_8H_{11}N$ mw: 121.20

PROP: Clear, yellow-brown oil, mp: -63.5° , bp: 204° , d: 0.958 @ $25^\circ/25^\circ$, vap press: 1 mm @ 38.5° , vap d: 4.18, flash p: $185^\circ F$ (OC).

SYNS: AETHYLANILIN (GERMAN) * ANILINOETHANE * N-ETHYLAMINO BENZENE * ETHYLANILINE * N-ETHYLBENZENAMINO * ETHYLPHENYLAMINE

THR: A poison by ingestion and intraperitoneal routes. Slightly toxic by skin contact. An allergen. Flammable by heat, flame, oxidizers. Highly dangerous; on decomposition or on contact with acid or acid fumes it emits highly toxic fumes of aniline and NO_x ; can react with oxidizing materials. To fight fire, use dry chemical, CO_2 , foam. Incompatible with nitric acid.

2-ETHYL ANILINE HR: 2
CAS: 578-54-1 NIOSH: BX 9800000
mf: $C_8H_{11}N$ mw: 121.20

PROP: Yellow liquid, darkens upon standing, mp: -63.5° , bp: 215° , flash p: $185^\circ F$ (OC), d: 0.98 @ $25^\circ/25^\circ$, vap d: 4.17.

SYNS: O-AMINOETHYLBENZENE * O-ETHYLANILINE * 2-ETHYLBENZENAMINE

THR: Moderate toxicity by ingestion. See also N-ethylaniline. Flammable when exposed to heat or flame. Dangerous; when heated to decomposition it emits highly toxic fumes of aniline and NO_x ; can react with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical.

4-ETHYL ANILINE HR: 3
CAS: 589-16-2 NIOSH: BX 9900000
mf: $C_8H_{11}N$ mw: 121.20

PROP: D. 0.963; mp: 65.8° ; bp: 205.5° ; Insol in water; misc in alc and eth.

SYNS: 1-AMINO-4-ETHYLBENZENE * P-ETHYLANILINE

THR: A poison by intravenous and other routes. See also o-ethylaniline. When heated to decomposition it emits toxic fumes of NO_x .

ETHYL BENZENE HR: 2
CAS: 100-41-4 NIOSH: DA 0700000
DOT: 1175
mf: C_8H_{10} mw: 106.18

PROP: Colorless liquid, aromatic odor. Misc in alcohol and ether, insol in NH_3 ; sol in SO_2 , bp: 136.2° , fp: -94.9° , flash p: $59^\circ F$, d: 0.8669 @ $20^\circ/4^\circ$, autoign temp: $810^\circ F$, vap press: 10 mm @ 25.9° , vap d: 3.66, lel = 1.2%, uel = 6.8%.

SYNS: AETHYLBENZOL (GERMAN) * ETHYLBENZEN (DUTCH) * ETHYLBENZOL * ETILBENZENE (ITALIAN) * ETYLOBENZEN (POLISH) * NCI-C56393 * PHENYLETHANE

OSHA PEL: TWA 100 ppm (skin)
ACGIH TLV: TWA 100 ppm; STEL 125 ppm;
BEI 2 g/L (mandelic acid in urine at end of shift)
DFG MAK: 100 ppm (440 mg/m^3)
DOT Classification: Label: Flammable Liquid

THR: Moderate toxicity by irritation to skin, eyes, mucous membranes and by ingestion and inhalation routes. The liquid is an irritant to the skin and mucous membranes. A concentration of 0.1% of the vapor in air is an irritant to human eyes, and a concentration of 0.2% is extremely irritating at first, then causes dizziness, irritation of the nose and throat and a sense of constriction in the chest. Exposure of guinea pigs to 1% concentration has been reported as causing ataxia, loss of consciousness, tremor of the extremities and finally death through respiratory failure. The pathological findings were congestion of the brain and lungs, with edema. No data are available regarding the effect of chronic exposure. An experimental teratogen. Dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical. For further information see Vol 2, No 6 of DPIM Report.

ETHYL BENZOATE HR: 2
CAS: 93-89-0 NIOSH: DH 0200000
mf: $C_9H_{10}O_2$ mw: 150.19

PROP: Colorless, aromatic liquid, mp: -34.6° , bp: 213.4° , flash p. $>204^\circ F$, d: 1.048 @ 20°

DFG MAK: (all isomers) 100 ppm (440 mg/m³);BAT: blood end of shift, 150 ug/dL;urine 2 g/L

DOT Classification: Flammable Liquid

THR: Poison by intraperitoneal route. Moderately toxic by inhalation, ingestion, and subcutaneous routes. A severe human eye irritant. Some temporary corneal effects are noted, as well as some conjunctival irritation by instillation. Irritation can start @ 200 ppm. A moderate skin irritant. Human irritant (systemic) effects. Flammable in the presence of heat or flame; can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and fumes. For further information see Vol. 6, No. 4 of DPIM Report.

m-XYLENE

HR: 3

CAS: 108-38-3

NIOSH: ZE 2275000

mf: C₈H₁₀

mw: 106.18

PROP: Colorless liquid; mp: -47.9°; bp: 139°; lel = 1.1%; uel = 7.0%; flash p: 77°F; d: 0.864 @ 20°/4°; vap press: 10 mm @ 28.3°; vap d: 3.66; autoign temp: 986°F. Insol in water; misc with alc, ether and some organic solvents.

SYNS: M-DIMETHYLBENZENE * 1,3-XYLENE * 1,3-DIMETHYLBENZENE * M-XYLOL

THR: Poison by ingestion and inhalation. A common air contaminant. An eye irritant. Severe skin irritant. Dangerous fire hazard when exposed to heat or flame, can react with oxidizing materials. Moderately explosive in the form of vapor when exposed to heat or flame. Dangerous; keep away from open flame. When heated to decomposition it emits acrid smoke. To fight fire, use foam, CO₂, dry chemical. For further information see Vol. 1, No. 7 of DPIM Report.

o-XYLENE

HR: 3

CAS 95-47-6

NIOSH ZE 2450000

mf: C₈H₁₀

mw: 106.18

PROP: Colorless liquid; d: 0.880 @ 20°/4°; mp: -25.2°; bp: 144.4°; flash p: 62.6°F. LeI = 1.0%; uel = 6.0%. Insol in water; misc in absolute alc; ether.

SYNS: O-DIMETHYLBENZENE * O-METHYL-TOLUENE * 1,2-XYLENE * 1,2-DIMETHYLBENZENE * O-XYLOL

THR: Poison by ingestion and inhalation. An eye irritant. A common air contaminant. Dan-

gerous fire hazard when exposed to heat or flame. Slight explosion hazard in the form of vapor, when exposed to heat or flame. When heated to decomposition it emits acrid smoke and fumes. To fight fire, use foam, CO₂, dry chemical. Incompatible with oxidizing materials. For further information see Vol. 4, No. 5 of DPIM Report.

p-XYLENE

HR: 2

CAS: 106-42-3

NIOSH: ZE 2625000

mf: C₈H₁₀

mw: 106.18

PROP: Clear plates; bp: 138.3°; lel: 1.1%; uel = 7.0%; flash p: 77°F (CC); d: 0.8611 @ 20°/4°; vap press: 10 mm @ 27.3°; vap d: 3.66; autoign temp: 986°F. Mp: 13°-14°. Insol in water; sol in alc, ether, organic solvents.

SYNS: P-DIMETHYLBENZENE * P-METHYL-TOLUENE * 1,4-XYLENE * 1,4-DIMETHYLBENZENE * P-XYLOL

THR: Mildly toxic by ingestion and inhalation. An eye irritant. May be narcotic in high concentrations. Chronic toxicity not established; but is less toxic than benzene. Dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. Moderately explosive in the form of vapor, when exposed to heat or flame. When heated to decomposition it emits acrid smoke and fumes. To fight fire, use foam, CO₂, dry chemical. Incompatible with acetic acid + air; HNO₃; 1,3-dichloro-5,5-dimethyl-2,4-imidazolidindione. For further information see Vol. 4, No. 5 of DPIM Report.

3,5-XYLENOL

HR: 3

CAS: 108-68-9

NIOSH: ZE 6475000

mf: C₈H₁₀O

mw: 122.18

PROP: White crystals; mp: 64°; bp: 219.5°; d: 1.0362; vap press: 1 mm @ 62°; sltly sol in water; sol in alc.

SYN: 2,5-DIMETHYLPHENOL

THR: An experimental carcinogen. Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits acrid smoke and fumes. For further information see Vol. 4, No. 1 of DPIM Report.

XYLIDINE

HR: 3

CAS: 1300-73-8

NIOSH: ZE 8575000

DOT: 1711

mf: C₈H₁₁N

mw: 121.20

PROP: Usually liquid (except at 213°-226°, flash p: 206°; d: 4.17. Sltly sol in w:

SYNS: AMINODIMETHYLBENZYLIDINE * DIMETHYLPHENYLIDINE (ITALIAN) * X

OSHA PEL: TWA 5 ppm

ACGIH TLV: TWA 2 ppm

DFG MAK: (all isomers) 5 ppm (25 mg/m³)

DOT Classification: Poiso

THR: Poison by inhalation and intravenous routes. Moderately toxic. This material, which is soluble in its toxic effects, is more toxic than aniline. It can cause damage to the liver. It does not require a label or warning, such as health hazard or dizziness which characterize many poisons. Thus it may be considered less poisonous than aniline, although acute intoxication may occur by absorption. Combustible and flammable. Dangerous; when heated it emits highly toxic fumes. Vigorously with oxidizing agents. When heated to decomposition it emits highly toxic fumes of NO_x. To fight fire, use foam.

2,5-XYLIDINE

CAS: 95-78-3

mf: C₈H₁₁N

mw: 121

PROP: Colorless oil, bp: 219°/4°; mp: 155°; very slt

SYNS: 2,5-DIMETHYLPHENYLAMINO-2,5-DIMETHYLBENZ

DIMETHYLBENZENE * 2,5-DIMETHYLANILINE

BENZENAMINE * 5-METHYL-2,6-METHYL-M-TOLUIDIN

THR: An experimental carcinogen. Moderately toxic by ingestion. When heated to decomposition it emits highly toxic fumes of NO_x.

2,6-XYLIDINE

CAS: 87-62-7

mf: C₈H₁₁N

mw: 121

PROP: Liquid; d: 0.988 @ 216°-217°.

TL 1217

CAS: 60398-22-3

mf: $C_{13}H_{21}N_2O_2 \cdot I$

HR: 3

NIOSH: BR 1840000

mw: 364.26

SYN: METHYL CARBAMIC ESTER OF OXYPHENYLMETHYLDIETHYLAMMONIUM IODIDE

THR: Poison by ingestion, intravenous, and subcutaneous routes. See also esters and carbamates. When heated to decomposition it emits very toxic fumes of NO_x and I^- .

TOBACCO LEAF, NICOTIANA GLAUCA

HR: 3

NIOSH: XR 7357000

THR: A nicotine-containing dried leaf of the tobacco plant. The smoke produced by burning tobacco contains the highly toxic alkaloid, nicotine, tars and phenols, carbon monoxide, cyanides, nitrates, nitrites, carcinogen, co-carcinogen and perhaps 100 other chemicals, α -emitters, etc. Habitual inhalation of tobacco smoke is considered a leading cause of lung cancer and circulatory problems, cardiac problems, etc. See also nicotine. An experimental teratogen. Combustible when exposed to heat or flame.

TOFRANIL

CAS: 50-49-7

mf: $C_{19}H_{24}N_2$

HR: 3

NIOSH: HO 1575000

mw: 280.45

SYNS: 1-(3-DIMETHYLAMINOPROPYL)-4,5-DIHYDRO-2,3,6,7-DIBENZAZEPINE * 5-(3-(DIMETHYLAMINO)PROPYL)-10,11-DIHYDRO-5H-DIBENZ(B,F)AZEPINE * 5-(3-DIMETHYLAMINOPROPYL)-10,11-DIHYDRO-5H-DIBENZO(B,F)AZEPINE * 2,2'-(3-DIMETHYLAMINOPROPYLIMINO)DIBENZYL * N-(GAMMA-DIMETHYLAMINOPROPYL)IMINODIBENZYL * 2,2'-(3-DIMETHYLAMINOPROPYLAMINO)BIBENZYL * 5,6-DIHYDRO-N-(3-(DIMETHYLAMINO)PROPYL)-11H-DIBENZ(B,F)AZEPINE

THR: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Central nervous system effects by ingestion. An experimental teratogen by ingestion. When heated to decomposition it emits toxic fumes of NO_x .

3,3'-TOLIDINE

CAS: 119-93-7

mf: $C_{14}H_{16}N_2$

HR: 3

NIOSH: DD 1225000

mw: 212.32

PROP: White to reddish crystals. Mp: 129°-131°C. Very sltly sol in water; sol in alc, ether, acetic acid.

SYNS: DIANISIDINE * 4,4'-BI-O-TOLUIDINE * 4,4'-DIAMINO-3,3'-DIMETHYLBIPHENYL * 4,4'-DIAMINO-3,3'-DIMETHYLDIPHENYL * 3,3'-DIMETHYLBENZIDINE * 3,3'-DIMETHYL-4,4'-BIPHENYLDIAMINE * 3,3'-DIMETHYL-BIPHENYL-4,4'-DIAMINE * 3,3'-DIMETHYL-4,4'-DIPHENYLDIAMINE * 3,3'-DIMETHYLDIPHENYL-4,4'-DIAMINE * 4,4'-DI-O-TOLUIDINE * 2-TOLIDINA (ITALIAN) * 2-TOLIDIN (GERMAN) * O-TOLIDINE * O,O'-TOLIDINE

THR: Poison by ingestion. An experimental carcinogen and tumorigen. Mutagenic data. When heated to decomposition it emits toxic fumes of NO_x . For further information see Vol. 5, No. 3 of DPIM Report.

TOLUENE

HR: 3

CAS: 108-88-3

DOT: 1294

mf: C_7H_8

mw: 92.15

NIOSH: XS 5250000

PROP: Colorless liquid, benzol-like odor. Flammable. Mp: -95° to -94.5°, bp: 110.4°, flash p: 40°F (CC), ulc: 75-80, tel = 1.27%, uel = 7%, d: 0.866 @ 20°/4°, autoign temp: 896°F, vap press: 36.7 mm @ 30°, vap d: 3.14. Insol in water; sol in acetone; misc in absolute alc, ether, chloroform.

SYNS: METHYLBENZENE * METHYLBENZOL * NCI-C07272 * PHENYLMETHANE * TOLUEN (DUTCH) * TOLUEN (CZECH) * TOLUOL * TOLUOLO (ITALIAN)

OSHA PEL: TWA 200 ppm; CL 300; Pk 500/10M

ACGIH TLV: TWA 100 ppm; STEL 150 ppm; BEL: toluene in venous blood end of shift 1 mg/L

DFG MAK: 100 ppm (375 mg/m³); BAT: blood end of shift 340 ug/dl

DOT Classification: Label: Flammable Liquid

THR: Poison by intraperitoneal route. Moderately toxic by inhalation and subcutaneous routes. Mutagenic data. A skin and eye irritant. Human central nervous system and psychotropic effects. Toluene is derived from coal tar, and commercial grades usually contain small amounts of benzene as an impurity. Inhalation

Yellow liquid, fumes
p: 136.4°, d: 1.772
nm @ 21.3°.

TITANE (FRENCH)
DUTCH) * TITANIO
N) * TITANIUM
TETRACHLORID (GER-

l: Corrosive

n. See also titanium
t to skin, eyes, and
alation. Severely cor-
heat and hydrochloric
moisture. If spilled on
cloth before applying
with K, HF. When
it emits toxic fumes

OS
considered to be physio-
no reported cases in
m as such has caused
f titanium or titanium
tium oxide may be
egory. Titanium tel-
irritant and corrosive
exposed to moisture
en chloride. See also
tanium.

HR: 3

NIOSH: XR 2275000

p: 1860° (decomp), d

I. PIGMENT WHITE 6
DIOXID (SWEDEN)
RUTILE * TRIOX-
TITANIUM DIOXIDE
ng/m³

neoplastigen and car-
itant. See also titanium
n air contaminant, and
action with Li and other
mation see titanium
DPIM Report.

of 200 ppm of toluene for 8 hours may cause impairment of coordination and reaction time; with higher concentrations (up to 800 ppm) these effects are increased and are observed in a shorter time. In the few cases of acute toluene poisoning reported, the effect has been that of a narcotic, the victim passing through a stage of intoxication into one of coma. Recovery following removal from exposure has been the rule. An occasional report of chronic poisoning describes an anemia and leucopenia, with biopsy showing a bone marrow hypoplasia. These effects, however, are less common in people working with toluene, and they are not as severe. At 200-500 ppm, headache, nausea, eye irritation, loss of appetite, a bad taste, lassitude, impairment of coordination and reaction time are reported, but are not usually accompanied by any laboratory or physical findings of significance. With higher concentrations, the above complaints are increased and in addition, anemia, leucopenia and enlarged liver may be found in rare cases. A common air contaminant. Combustible when exposed to heat, flame or oxidizers. Moderately explosive when exposed to flame or reacted with (H₂SO₄ + HNO₃), N₂O₄, AgClO₄, BrF₃, UF₆. Moderately dangerous; when heated it emits irritating fumes; can react vigorously with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. For further information see Vol. 5, No. 5 of *DPIM Report*.

TOLUENE-2,4-DIAMINE HR: 3
CAS: 95-80-7 NIOSH: XS 9625000
mf: C₇H₁₀N₂ mw: 122.19

PROP: Prisms. Mp: 99°, bp: 280°, vap press: 1 mm @ 106.5°.

SYNS: C.I. OXIDATION BASE * M-TOLYLENEDIAMINE * 3-AMINO-P-TOLUIDINE * 5-AMINO-O-TOLUIDINE * C.I. 76035 * 1,3-DIAMINO-4-METHYL BENZENE * 2,4-DIAMINO-1-METHYLBENZENE * 2,4-DIAMINOTOLUENE (CZECH) * DIAMINOTOLUENE * 2,4-DIAMINOTOLUENE * 2,4-DIAMINO-1-TOLUENE * 2,4-DIAMINOTOLUOL * 4-METHYL-1,3-BENZENEDIAMINE * 4-METHYL-M-PHENYLENEDIAMINE * NCI-C02302 * 2,4-TOLAMINE * M-TOLYLENEDIAMINE * 2,4-TOLUENEDIAMINE * M-TOLYLENEDIAMINE (CZECH) * M-TOLYLENEDIAMINE * 2,4-TOLYLENEDIAMINE * M-TOLYLENEDIAMINE * TOLYLENE-2,4-DIAMINE * 2,4-TOLYLENEDIAMINE * 4-M-TOLYLENEDIAMINE

THR: Poison by ingestion and subcutaneous route. Mutagenic data. A skin and eye irritant. An experimental carcinogen. This material has a marked toxic action upon the liver and can cause fatty degeneration of that organ. Moderately dangerous; when heated it emits toxic fumes of NO_x. For further information see Vol 5, No. 5 of *DPIM Report*.

TOLUENE-2,5-DIAMINE HR: 3
CAS: 95-70-5 NIOSH: XS 9700000
mf: C₇H₁₀N₂ mw: 122.19

PROP: Colorless, crystalline tablets. Mp 64°, bp: 274°.

SYNS: 4-AMINO-2-METHYLANILINE * C.I. 76042 * 2,5-DIAMINOTOLUENE * 2-METHYL-1,4-BENZENEDIAMINE * 2-METHYL-P-PHENYLENEDIAMINE * P-TOLUENEDIAMINE * P-TOLUYLENEDIAMINE * TOLUYLENE-2,5-DIAMINE * P,M-TOLYLENEDIAMINE

THR: Poison by ingestion and subcutaneous routes. Mutagenic data. A skin irritant. An experimental carcinogen. Has a toxic action upon the liver and can cause fatty degeneration of that organ. Its total effect upon the body seems to take place three different ways. It is toxic to the central nervous system. It produces jaundice by action on the liver and spleen, and it produces anemia by destruction of the red blood cells. In this action it is quite similar to aniline, although by no means identical with it. Its high boiling point and the fact that the material is solid at room temperature makes it somewhat less hazardous than aniline, particularly at ordinary working temperatures. The literature contains a reference to a permanent injury to an eye due to the use of this material as an eyelash dye. It is considered to be an irritating dye material. Moderately dangerous; when heated it emits toxic fumes of NO_x. For further information see Vol 5, No. 5 of *DPIM Report*.

TOLUENE DIISOCYANATE HR: 3
CAS: 584-84-9 NIOSH: CZ 6300000
mf: C₉H₆N₂O₂ mw: 174.17

PROP: Liquid at room temp, sharp, pungent odor. Mp 19.5°-21.5°, d (liq): 1.2244 @ 20°/4°; bp: 251°; flash p. 270°F (OC); vap d: 6.0, lel = 0.9%; uel = 9.5%. Misc with alc (decomp), ether, acetone, carbon tetrachloride, benzene, chlorobenzene, kerosene, olive oil

SYNS: 2,4-DIISOCYANATO-
DIISOCYANATE DE TOLU
DIISOCYANATOTOLUENE
NATO-1-METHYL BENZENE (I
NAT-TOLUOL (GERMAN) *
METHYLPHENYLENE ESTER
TOLUEN-DIISOCYANAAT
DIISOCIANATO (ITALIAN)
WUZYCYANIAN (POLISH)

OSHA PEL: TWA CL 0.
DOT Classification: Pois

THR: Poison by inhalat
routes. A skin and eye irri
Capable of producing s
bronchial spasm. A com
Combustible when expos
When heated to decomp
toxic fumes of CN⁻ and
dry chemical, CO₂.

TOLUENESULFONA
CAS: 88-19-7
mf: C₇H₉NO₂S mw:

PROP: Tetragonal prism;
alc.

SYNS: TOLUENE-2-SULFO
MBENZENESULFONAMIDE
ZENESULFONAMIDE * OR
AMID (GERMAN)

THR: An experimental c
data. An eye irritant. See
heated to decomposition
fumes of NO_x and SO_x.

alpha-TOLUENETHIO
CAS: 100-53-8
mf: C₇H₈S mw: 124

PROP: A water white,
odor. Bp 194.8°, flash p
@ 20°, vap d: 4.28.

SYNS: (MERCAPTOMETHY
MERCAPTOTOLUENE * P
PHENYLMETHYL MERC
TOLUOLTHIOL * ALPHA
BENZYL MERCAPTAN
THIOBENZYL ALCOHOL

THR: Poison by intrape
ately toxic by ingestion
Carcinogen. An eye irrita
Inflammable when expo

X

cause siderosis. Metal reaction. It is characterizing, and leucocytosis after exposure. Recover 24-48 hours and there effects. Safety goggles against spatter. Light-irradiated to shield the eyes light from the welding.

HR: 2

ber liquid. Pleasant to 935 @ 15.56°; 47% volume; flash p: 80.0°F on of fermented malted or barley. After distillation wooden containers for the aging extracts from nts as acids, esters; pro- ponents of raw whiskey. green organic components.

ine equivalent of 1 ounce vita per day is often cited to relieve stress and pro- ever, it is often abused situation with consequent mental problems. See also hazard. To fight fire, dry alcohol foam, CO₂, dry

HR: 2

beverage made from the pes, other fruits or plants ethanol by volume. Con- l higher than those pro- btained by fortifying with inactive colors, tastes, bot- ually produced by adding ar, acetic acid, salts, an

ic. See also whiskey. Some nes have been known ns in humans.

XANTHACRIDINE

CAS: 86-40-8 NIOSH: AR 9625000
mf: C₁₄H₁₄N₃·Cl mw: 259.76

HR: 3

SYNS: 3,6-DIAMINO-10-METHYLACRIDINIUM CHLORIDE * C.I. 46000 * 2,8-DIAMINO-10-METHYLACRIDINIUM CHLORIDE * ACRIFLAVINE NEUTRAL

THR: Poison to humans by intravenous route. Poison by intraperitoneal, intravenous, and subcutaneous routes. Mutagenic data. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.

XANTHINE

CAS: 69-89-6 NIOSH: ZD 7700000
mf: C₅H₄N₄O₂ mw: 152.13

HR: 3

PROP: Scales or plates. Decomp on heating without melting, partial sublimation. Sol in water; less sol in alc; sol in mineral acids; very sol in NH₄OH and NaOH solns.

SYNS: PSEUDOXANTHINE * 2,6-DIOXOPURINE * ISOXANTHINE * PURINE-2,6-DIOL * 9H-PURINE-2,6-DIOL * 2,6(1,3)-PURINEDION * PURINE-2,6-(1H,3H)-DIONE * USAF CB-17 * XANTHIC OXIDE

THR: An experimental neoplastigen. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x. For further information see Vol. 2, No. 2 of DPIM Report.

XANTHINE BROMIDE

CAS: 53-46-3 NIOSH: BP 7632500
mf: C₂₁H₂₆NO₃·Br mw: 420.39

HR: 3

SYNS: XANTHENE-9-CARBOXYLIC ACID, ESTER WITH DIETHYL(2-HYDROXYETHYL) METHYL AMMONIUM BROMIDE * BETA-DIETHYLAMINOETHYL XANTHENE-9-CARBOXYLATE METHOBROMIDE * BETA-DIETHYLAMINOETHYL 9-XANTHENECARBOXYLATE METHOBROMIDE * DIETHYL(2-HYDROXYETHYL)METHYLAMMONIUM BROMIDE XANTHENE-9-CARBOXYLATE

THR: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x and Br⁻.

XANTHOTOXIN

CAS: 298-81-7 NIOSH: LV 1400000
mf: C₁₂H₈O₄ mw: 216.20

HR: 3

SYNS: MELADININ * 8-METHOXY-(FURANO-3',2':6.7-COUMARIN) * 8-METHOXY-2',3',6,7-FUROCOUMARIN * 8-METHOXY-4',5',6,7-FUROCOUMARIN * 8-METHOXYPSORALEN * NCI-C55903

THR: An experimental carcinogen. Moderately toxic by ingestion, intraperitoneal, and subcutaneous routes. Mutagenic data. When heated to decomposition it emits acrid smoke and fumes.

XENON

CAS: 7440-63-3 NIOSH: ZE 1280000
DOT: 2036/2591
af: Xe mw: 131.30

HR: 1

PROP: Colorless, gaseous nearly inert (noble) element; d (gas): 5.8878 g/L; d (liq): 3.57 @ -109°; mp: -112°; bp: -107°.

DOT Classification: Label: Nonflammable Gas

THR: A simple asphyxiant. For a discussion of toxicity effects see argon. A common air contaminant. For further information see Vol. 2, No. 2 of DPIM Report.

XYLENE

CAS: 1330-20-7 NIOSH: ZE 2100000
DOT: 1307 (NIOSH: ZE 2190000)
mf: C₈H₁₀ mw: 106.18

HR: 3

PROP: A clear liquid; bp: 138.5°, flash p: 100°F (TOC), d: 0.864 @ 20°/4°, vap press: 6.72 mm @ 21°. Composition: as nonaromatics 0.07%, toluene 14%, ethyl benzene 19.27%, p-xylene 7.84%, m-xylene 65.01%, o-xylene 7.63%, C₉ and aromatics 0.04%.

SYNS: AROMATIC HYDROCARBONS, MIXED * NCI-C55232 * DIMETHYLBENZENE * KSYLEN (POLISH) * XILOLI (ITALIAN) * XYLENEN (DUTCH) * XYLOL * XYLOLE (GERMAN)

OSHA PEL: TWA 100 ppm
ACGIH TLV: TWA (all isomers) 100 ppm; STEL 150 ppm; BEI: methyl hippuric acids in urine end of shift, 1.5 g/g creatinine



Franklin to Broadway
 Light on Broadway to 30th
 Light on 30th to Summit

3.00 summit
 835-4500

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RIEDEL ENVIRONMENTAL SERVICES, INC.

DATE	4/10/89	JOB	4000-2202
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SUBJECT	Permit Application for USTS		

TO Alameda County
80 Swan Way, Rm 200
Oakland, CA 94621

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- Samples
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- Copy of letter
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1	4/10/89	0439	check for \$663 ⁰⁰

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	GENERAL LIABILITY					
<input type="checkbox"/>	COMPREHENSIVE FORM				BODILY INJURY	\$
<input type="checkbox"/>	PREMISES/OPERATIONS UNDERGROUND EXPLOSION & COLLAPSE HAZARD PRODUCTS/COMPLETED OPERATIONS				PROPERTY DAMAGE	\$
<input type="checkbox"/>	CONTRACTUAL				BI & PD COMBINED	\$
<input type="checkbox"/>	INDEPENDENT CONTRACTORS				PERSONAL INJURY	\$
<input type="checkbox"/>	BROAD FORM PROPERTY DAMAGE					
<input type="checkbox"/>	PERSONAL INJURY					
	AUTOMOBILE LIABILITY					
<input type="checkbox"/>	ANY AUTO				BODILY INJURY (PER PERSON)	\$
<input type="checkbox"/>	ALL OWNED AUTOS (PRIV. PASS.)				BODILY INJURY (PER ACCIDENT)	\$
<input type="checkbox"/>	ALL OWNED AUTOS (OTHER THAN PRIV. PASS.)				PROPERTY DAMAGE	\$
<input type="checkbox"/>	HIRED AUTOS				BI & PD COMBINED	\$
<input type="checkbox"/>	NON-OWNED AUTOS					
<input type="checkbox"/>	GARAGE LIABILITY					
	EXCESS LIABILITY					
<input type="checkbox"/>	UMBRELLA FORM				BI & PD COMBINED	\$
<input type="checkbox"/>	OTHER THAN UMBRELLA FORM					
A	WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY	WC 5246553RA	4-1-89	4-1-90	STATUTORY	
						\$ 1,000 (EACH ACCIDENT)
						\$ 1,000 (DISEASE-POLICY LIMIT)
						\$ 1,000 (DISEASE-EACH EMPLOYEE)
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

Permit for Calli French, Oakland

CERTIFICATE HOLDER

Dept. of Environmental Health
 County of Alameda
 80 Swan Way, Room 200
 Oakland, CA 94621

CANCELLATION

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

AUTHORIZED REPRESENTATIVE



DESTINATION STATION

SHIPPER'S ACCOUNT NO 21615542		SHIPPER'S REFERENCE		FORWARDER AIRBILL NO. * 1 1 0 0 6 7 4 2 5 *		DATE 3/10/87	
FROM (SHIPPER) CORPORATE & BUS 1710 W 6TH AVENUE 90 TLENDY WY		TO (CONSIGNEE) PLEASE USE FULL ADDRESS, NO PO BOX Dept. ... City ... State ...				ORIGIN PDX	DESTIN. OCD
TELEX / PHONE 103 264155		ZIP CODE 97203		TELEX / PHONE 18021		ZIP CODE	
FOR WORLDWIDE PACKAGE EXPRESS TOTAL DECLARED VALUE (FOR CUSTOMS PURPOSES ONLY)		DESCRIPTION OF CONTENTS (IF WORLDWIDE PACKAGE EXPRESS SERVICE PLEASE ATTACH COMMERCIAL INVOICES ON YOUR COMPANY LETTERHEAD) INCLUDING ANY MARKINGS, DIMENSIONS AND PACKING METHODS					
METHOD OF PAYMENT <input checked="" type="checkbox"/> SHIPPER <input type="checkbox"/> BILL RECIPIENT (U.S. DEST ONLY)		PICKED UP BY DHL NAME: ...		DATE 4/10/87		HANDLING <input type="checkbox"/> ONFWD <input type="checkbox"/> DUTY	
CONSIGNEE'S SIGNATURE		PLEASE PRINT NAME		DATE		TOTAL	

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FOLD HERE

1156-7211
AWB/9/85

FORWARDER AIRBILL - NON NEGOTIABLE