

R0394



State Water Resources Control Board



Linda S. Adams
Secretary for
Environmental Protection

Division of Financial Assistance
1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5831 • FAX (916) 341-5806 • www.waterboards.ca.gov/cwphome/ustcf

Arnold Schwarzenegger
Governor

February 19, 2008

Rita Sullins
DON-SUL, INC.
187 L ST N
LIVERMORE, CA 94550

**PRE-APPROVAL OF CORRECTIVE ACTION COSTS,
CLAIM NO. 000389, PRE-APPROVAL REQUEST NO. 12
SITE ADDRESS: 187 L ST N, LIVERMORE, CA 94550**

I have reviewed your request, received on November 15, 2007, 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 November 7, 2006, Geological Technics Inc. workplan approved by the RWQCB, Region 2 (Regional Board) in their December 6, 2006 letter, is **\$379,806**; see the table below for a breakdown of costs. (The total amount that has been reimbursed and approved for payment up to this point is \$ 236,813.)

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 Regional Board** 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	Project Preparation and Permits	\$3,275	Obtain permits from the BAAQMD, Livermore Building , sewer permit and PG&E application preparation. Please note that the amount being charged in this task is for the time to prepare the permits and interaction and not the actual cost of the permit fees which will be submitted once incurred.
2	Project Management	\$9,015	Project Planning and coordination. Project management, and project oversight by the professional. Please note that the RAP with the detailed drawings has already been approved. Thus a lot of this time needs to be utilized for the construction activities supervisions etc.
3	Remediations systems purchase, installation and start-up	\$185,325	Purchase, mobilization, setup, installation, start-up of 300 SCFM liquid ring therm./cat. oxidizer, Air injection unit, air stripper system, GAC system as part of an aqua scrub. Initial change of carbon, Sub-contractor cost for the instalation of all the pipings/well head connections, manifolds, etc., supervision and dig alert clearance; please note that the Fund is approving \$5,000.00 for the supervision and \$420 for the utility clearance as \$9,015.00 have been approved for related scope of work in Task 2 above. Five Carbon changeout events have been paid for a total of \$3,050.00. Please note that the Fund pays reasonable and necessary charges.
4	Remedial System O&M	\$102,565	Electricity and Natural gas charges - estimate only, disposal of 5,256,000 gallons of water disposl - fees to livermore water discharge permit, remediation system O&M for the GW treatment system.

#	Task*	Amount Pre-Approved	Comments
5	Remediation system Monitoring - DPE, AS, VES & P&T	\$30,300	provide O&M for the DPE system, the VES system, AS system and P&T system. Please make sure that there are no redunciences. It is important that any and all the remediation systems are monitored at the same time. Please note that the fund has approved about \$15,000.00 for the O&M major repairs in task 4 above.
6	Laboratory Analysis	\$22,921	All necessary GW, vapor and influent/effluent (water) samples analysis for 12 months of O&M.
7	Data Analysis & Reporting	\$26,405	Preparing all necessary reports to meet the various agencies requirement. When submitting reports to the Alameda Coutny Health Care Services, the RWQCB and the Cleanup-fund please provide electronic reports. Please note that the most important thing in understanding the data analaysis is when to make the necessary adjustments/modifications to the remediation system and when to shut down the system for rebound testing. This site has limited and isolated zone of soil/GW contamiantion. Please focus the remediation system attention in the area(s) of the hotspot.
	TOTAL PRE-APPROVED	\$379,806	

* Task descriptions are the same as those identified in Geological Technics Inc.'s November 13, 2007 cost estimate.

- Only the tasks/costs reflected on the above table are pre-approved at this time. The Fund will review any tasks/costs 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 Regional 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 Geological Technics 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 November 13, 2007 by Geological

Technics Inc. for conducting the work approved by the Regional Board for implementing the November 7, 2006, Geological Technics Inc. 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 Regional Board.*

Please call if you have any questions; I can be reached at (916) 341-5831

Sincerely,



Hari Patel, Water Resources Control Engineer
Technical Review Unit
Underground Storage Tank Cleanup Fund

Enclosure

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

Jerry Wickham
Hazardous Materials Specialist
Environmental Protection
Alameda County Health Care Services
1131 Harbor Boulevard Parkway, Suite 250
Alameda, CA 94502-6577

RECEIVED

FEB 21 2008

ENVIRONMENTAL HEALTH SERVICES

Wickham, Jerry, Env. Health

To: Viola Garcia
Cc: Jenny Weese; Joe Angulo; Davidson, Chris
Subject: RE: Sullins - Arrow Rentals (N. L St)

Based upon the request submitted by Geological Technics on behalf of the Sullins, the schedule for a remediation system start up report on case RO0394 is extended to March 1, 2008.

Regards,
Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 fax
jerry.wickham@acgov.org

From: Viola Garcia [<mailto:VGarcia@geologicaltechnics.com>]
Sent: Wednesday, December 19, 2007 4:32 PM
To: Wickham, Jerry, Env. Health
Cc: Jenny Weese; Joe Angulo
Subject: Sullins - Arrow Rentals (N. L St)

Please see attached Corrective Action Plan Extension Request, for the referenced site.

Thanks,
Viola Garcia
Viola Garcia, Administrative Assistant
Geological Technics Inc.
1101 7th Street
Modesto, CA 95354
209.522.4119 bus.
209.522.4227 fax
vgarcia@geologicaltechnics.com

12/20/2007

Geological Technics Inc.

1101 7th Street
Modesto, California 95354
(209) 522-4119 / Fax # 522-4227

December 19, 2007

Project No.: 1262.2
Project Name: Sullins Property (L St.)

Mr. Jerry Wickham
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda CA 94502-6577

Alameda County
DEC 21 2007
Environmental Health

RE: Corrective Action Plan (CAP) – Implementation Extension Request
Arrow Rentals, 187 North L Street, Livermore, CA

Dear Mr. Wickham:

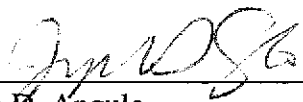
Geological Technics Inc. (GTI) received your August 17, 2007 correspondence directive for the above site and it's associated Corrective Action Plan (CAP). Your letter included a December 19, 2007 suspense date for a start up report for the proposed CAP.

On December 3, 2007, Mr. David Charter of the UST Cleanup Fund sent GTI an email correspondence with questions regarding the proposed CAP (copy attached). A response was drafted to Mr. Charter on December 11, 2007 and you were copied on the response. At this time we do not know if the Fund will approve the proposed CAP and obviously the system has not been installed.

On behalf of Mr. and Mrs. Sullins we are requesting an extension to March 1, 2008 for this CAP start up report directive.

Please do not hesitate to call if you have questions or need clarification.

Respectfully Submitted,



Joseph D. Angulo
Project Geologist

Attachment

cc: Tony & Rita Sullins
Chris Davidson – City of Livermore

Joe Angulo

From: Jenny Weese on behalf of GTI
Sent: Tuesday, December 04, 2007 6:30 AM
To: Joe Angulo
Cc: Ray Kabanow
Subject: FW: Arrow Rentals (Claim #389) Preapproval

Joe,
Can you please respond to these questions, they all appear to be geology related with the exception of number 5 which is a simple clarification. Thanks,

Jenny Weese
Office Manager

Geological Technics Inc.
1101 7th Street
Modesto, CA 95354
209-522-4119 - phone
209-522-4227 - fax
jweese@geologicaltechnics.com

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

From: DAVID CHARTER [mailto:DCHARTER@waterboards.ca.gov]
Sent: Monday, December 03, 2007 12:40 PM
To: GTI
Subject: Arrow Rentals (Claim #389) Preapproval

The Fund recently received a preapproval request for the subject site, requesting approval of \$386,806 for implementation of a CAP. The proposed budget calls for installation and 12-months operation of a multi-phase extraction system (MPE) which will extract groundwater and soil vapors from four existing wells. Several questions need to be answered prior to the Fund approving this scope of work.

- 1) Three of the four proposed extraction wells may not be appropriately screened for MPE. W-1 is a 2" diameter monitoring well screened below the static water table. It is not clear that the proposed extraction system will be able to draw down the water table enough to expose the screen and allow vapor extraction. W-A is a 4" diameter monitoring well also screened below the water table. The same problems apply as W-1. EW-1 is a 4" vapor extraction well screened above the water table. It appears that no groundwater will be extracted from this well. This leaves only W-1s, a 6" well which is screened across the water table.
- 2) The primary purpose of MPE is to dewater and vapor extract from a "smear zone" above and below the water table. The proposed system may not achieve this objective.
- 3) During the pilot test conducted in October 2006, the drawdown in extraction or monitoring wells was not included in the data tables or discussed in the text. Please provide this information to the Fund.
- 4) Apparently the liquid ring pump used for the pilot test could only achieve a maximum vacuum of 19.5" Hg, and this dropped to 6" Hg when extracting from wells W-1s and EW-1. Please specify exactly where the "system" vacuum was measured. Was the dilution valve opened during the test? Generally a minimum vacuum of 20" Hg is required at the well head for Two-Phase Extraction. The well head vacuum during the pilot test ranged from 2.5" Hg to 10" Hg. Can you explain the significant vacuum loss between the extraction system and the well head? This is a concern, since you propose to purchase the extraction system from the same vendor who supplied you the unit for the pilot test.
- 5) The budget is unclear as to whether all the equipment will be purchased or rented. Under item 360-106 Air Stripper unit, the budget specifies purchase, however the costs show 12 months of rental for \$2,015 per month.



RO394

October 5, 2007

Via U.S. Mail

Jerry Wickham
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Fuel Leak Case No. RO0000394 and Geotracker Global ID T0600100116, Arrow Rentals, 187 North L Street, Livermore, CA 94550--Change in Contact Information

Dear Mr. Wickham:

As of our letter dated September 25, 2007 to Ms. Leah Goldberg, Meyers Nave no longer serves as outside counsel in the above-referenced matter. As such, all future requests for legal assistance should be directed to the City Attorney's office for answering or referral to Mr. Jeff Dorso of Diepenbrock Harrison, our new outside counsel in this matter.

Should you have any questions or comments, please do not hesitate to call our office.

Sincerely,



Jason R. Alcala
Assistant City Attorney

JRA/js

Cc: Donna Drogos

S:\JASON\Redevelopment (RDA)\Polanco\Arrow Rents\2007\Lt County 10.05.07 re new counsel.DOC

ENVIRONMENTAL HEALTH SERVICES

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



F

ENVIRONMENTAL HEALTH SERVICES

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

August 17, 2007

Ms. Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Ms. Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. RO0000394 and Geotracker Global ID T0600100116, Arrow Rentals, 187 North L Street, Livermore, CA 94550 – Final Corrective Action Plan Approval

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) and San Francisco Bay Regional Water Quality Control Board staff have reviewed the fuel leak case file for the above-referenced site including the recently submitted report entitled, "Final Corrective Action Plan," dated January 25, 2007 and received by ACEH on February 20, 2007. The Final CAP, which was prepared on your behalf by Geological Techniques, Inc., presents plans to cleanup petroleum contamination in soil and groundwater in the area of former USTs and downgradient from a release into a vapor monitoring well. The goal of the corrective action is to remove the high concentrations of petroleum contamination in soil and groundwater beneath the former UST system. Three corrective action alternatives are reviewed in the CAP: monitored natural attenuation, soil vapor and groundwater extraction, and dual phase extraction. Dual phase extraction (DPE) is selected based on the results of a DPE pilot test conducted in October 2006.

The Final CAP incorporates responses to two comments from the public and one comment from the California Regional Water Quality Control Board. The responses to comments and related revisions to the Draft CAP are acceptable. The Final CAP is approved for implementation.

We request that you perform the proposed work and send us the technical reports requested below. Submittal of the technical reports requested below is also required in order to comply with the City of Livermore's March 1, 2006 Notice and Demand for cleanup of the site under the Polanco Redevelopment Act.

Rita Sullins
Jennifer Sedlacheck
RO0000394
August 17, 2007
Page 2

TECHNICAL REPORT REQUEST

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

- **December 19, 2007** – Remediation System Start-Up Report
- **February 13, 2008** – Second 2007 Semi-Annual Groundwater Monitoring Report

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

Rita Sullins
Jennifer Sedlacheck
RO0000394
August 17, 2007
Page 3

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

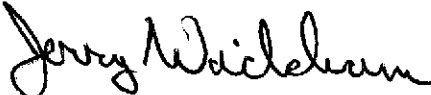
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Concur, based solely upon information presented in Final CAP:



Cherie McCaulou
Engineering Geologist
California Regional Water Quality Control Board

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Sunil Ramdass, UST Cleanup Fund, P.O. Box 944212, Sacramento, CA 94244-2120

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

Leah Goldberg, Meyers Nave, 555 12th Street, Suite 1500, Oakland, CA 94607

Raynoid Kablonow, Geological Technics, Inc., 1101 7th Street, Modesto, CA 95354

Heidi Timken, Timken, Johnson, Hwang, 500 Ygnacio Valley Road, Suite 360, Walnut Creek,
CA 94596

Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



F

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

July 6, 2007

Ms. Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Ms. Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. RO0000394 and Geotracker Global ID T0600100116, Arrow Rentals, 187 North L Street, Livermore, CA 94550 – Schedule Extension

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) staff has reviewed correspondence dated June 29, 2007 requesting a schedule extension for submittal of a Final Corrective Action Plan (CAP). The June 29, 2007 correspondence was submitted by Geological Technics, Inc. on behalf of Mr. and Ms. Sullins. A schedule extension to August 12, 2007 was requested in order to complete more detailed design plans that are stamped by a licensed engineer. The proposed schedule extension to August 12, 2007 for the Final CAP is acceptable.

We request that you perform the proposed work and send us the technical reports requested below. Submittal of the technical reports requested below is also required in order to comply with the City of Livermore's March 1, 2006 Notice and Demand for cleanup of the site under the Polanco Redevelopment Act.

TECHNICAL REPORT REQUEST

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

- **August 12, 2007** – Final Corrective Action Plan
- **August 13, 2007** – First 2007 Semi-Annual Groundwater Monitoring Report

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

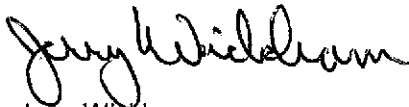
Rita Sullins
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RO0000394
July 6, 2007
Page 3

AGENCY OVERSIGHT

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If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

Leah Goldberg, Meyers Nave, 555 12th Street, Suite 1500, Oakland, CA 94607

Raynold Kablonow, Geological Technics, Inc., 1101 7th Street, Modesto, CA 95354

Heidi Timken, Timken, Johnson, Hwang, 500 Ygnacio Valley Road, Suite 360, Walnut
Creek, CA 94596

Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH
File



State Water Resources Control Board

R0394



Linda S. Adams
Secretary for
Environmental Protection

Office of Chief Counsel
1001 I Street, 22nd Floor, Sacramento, California 95814
P.O. Box 100, Sacramento, California 95812-0100
(916) 341-5161 ♦ FAX (916) 341-5199 ♦ <http://www.waterboards.ca.gov>

Arnold Schwarzenegger
Governor

July 3, 2007

Alameda County

JUL 05 2007

CERTIFIED MAIL

Environmental Health

Mr. Tony Sullins and Mrs. Rita Sullins
Don-Sul, Inc.
187 L Street N
Livermore, CA 94550

Dear Mr. and Mrs. Sullins:

PETITION OF DON-SUL, INC. (USTCF CLAIM 389), 187 L ST. N., LIVERMORE, CALIFORNIA: EXTENSION OF TIME TO SUBMIT SUPPLEMENT TO PETITION SWRCB/OCC FILE UST-257

This is to confirm receipt of your request to extend the time for submittal of a supplement to the above-cited petition. The supplement was due to be submitted by July 3, 2007.

Pursuant to your request, we will hold the petition in abeyance until January 3, 2008 so that you can submit a supplement to the petition. The supplement must be sent to Ms. Tam Doduc, Board Chair of the State Water Resources Control Board, with copies to Mr. Michael A. M. Lauffer, Chief Counsel, and Ms. Barbara L. Evoy, Deputy Director of the Division of Financial Assistance, at the following address:

State Water Resources Control Board
P.O. Box 100
Sacramento, CA 95812-0100

You will be advised of all proceedings connected with the petition. If you have any questions about this matter, please contact me at (916) 341-5184. In addition, please accept my condolences on the loss of your mother.

Sincerely,

Kathleen A. Keber
Senior Staff Counsel

cc: See next page

2007 JUL -5 PM 1:27

Geological Technics Inc.

1101 7th Street
Modesto, California 95354
(209) 522-4119 / Fax # 522-4227

Alameda County

JUL 0 9 2007

Environmental Health

June 29, 2007

Project No.: 1262.2
Project Name: Sullins Property (L St.)

Mr. Jerry Wickham
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda CA 94502-6577

RE: Final Corrective Action Plan (CAP) – Submittal Extension Request
Arrow Rentals, 187 North L Street, Livermore, CA


Dear Mr. Wickham:

Geological Technics Inc. (GTI) has received your June 12, 2007 facsimile correspondence regarding comments from the San Francisco Bay RWQCB on the proposed Corrective Action Plan (CAP). On behalf of Mr. and Mrs. Sullins we are requesting a 60 day extension from June 12, 2007 for the Final CAP submittal to procure the design plans (stamped by a licensed engineer) per the San Francisco Bay RWQCB directive. This would place the submittal date for the Final CAP on or about August 12, 2007.

GTI staff met with Mr. Don Ohlinger of Ohlinger Consulting Services at the site on June 27, 2007. Mr. Ohlinger, a California licensed civil engineer, will be developing the subject design plans. The extension is necessary for the production, editing, and printing of the design plans.

Please do not hesitate to call if you have questions or need clarification.

Respectfully Submitted,



Joseph D. Angulo
Project Geologist

cc: Tony & Rita Sullins
SFBRWQCB
Chris Davidson – City of Livermore

Tony Sullins
Rita Sullins
5476 Maybeck Lane
Livermore, Ca. 94550

June 26, 2007

Ms. Tam Doduc, Board Chair of the State Water Board
State Water Resources Control Board
P.O. Box 100
Sacramento, Ca. 95812-0100

Petitioner: Mr. Tony Sullins and Mrs. Rita Sullins
Don-Sul Inc. dba Arrow Rentals
187 North L Street
Livermore, Ca. 94550

Re: UST Cleanup Fund Final Division Decision (FDD); Claim No. 389

Dear Ms. Doduc,

We respectfully request an extension of 6 months to submit a supplement to our petition of March 29, 2007. We will, of course, make every effort to complete the supplement earlier if possible.

The reason for this request is the sudden death of my (Rita's) mother and the needed care of my 92-year-old father.

Sincerely,



Tony Sullins



Rita Sullins

cc: Mr. Michael A. M. Lauffer, Chief Counsel
State Water Resources Control Board
P.O. Box 100
Sacramento, Ca. 95812-0100

RECEIVED

JUN 27 2007

ENVIRONMENTAL HEALTH SERVICES

Wickham, Jerry, Env. Health

To: Joe Angulo
Cc: Geological Technics Inc.
Subject: RO0394 Arrow Rentals Draft CAP

Joe,

I received the following comment from the San Francisco Bay Regional Water Quality Control Board on the Draft CAP. Please address this comment in preparing the Final CAP:

The CAP proposes SVE using a thermal oxidizer and air sparging. The consultant did not include detailed system designs. I understand the hottest areas are W-1 and B-G. Figure 14 is not adequate to show the layout of the remedial system. We need a diagram showing the map view and cross sectional view showing the design details for the SVE extraction wells and screen intervals, and the proposed air sparging wells, if needed per section (contingency plan). Also, make sure the remedial design diagrams are stamped by a licensed engineer.

Regards,

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 fax
jerry.wickham@acgov.org

6/12/2007

Geological Technics Inc.

1101 7th Street
Modesto, CA 95354
209.522.4119
209.522.4227 (fax)
geologicaltechnics@sbcglobal.net

April 17, 2007

TO: Friends and Neighbors of Rita and Tony Sullins, Arrow Rentals Service
FROM: Geological Technics Inc. on behalf of Rita and Tony Sullins, Arrow Rentals
RE: Corrective Action Plan (CAP) 187 N. L Street, Livermore, California
Assessor's Parcel Number: 98-408-01

Geological Technics Inc. (GTI), on behalf of Rita and Tony Sullins would like to invite you to review a *Draft Corrective Action Plan (CAP)* that is prepared to identify the activities that will be completed to eliminate the potential risks from contaminants in the soil and groundwater at the above referenced site. The *CAP* documents a proposed remedy that is protective of public health and safety as well as the environment. A copy of the proposed Draft CAP is available for public review at the following locations:

Livermore Public Library
1188 South Livermore Avenue
Livermore, CA 94550

Livermore City Hall
City Clerk's Office
1052 South Livermore Avenue
Livermore, CA 94550

Please submit written comments to:

Raynold I. Kablanow, II.
Geological Technics Inc.
1101 7th Street
Modesto, CA 95380
(209) 522-4119
Email: gti@geologicaltechnics.com

Comments should be received no later than _____, 2007

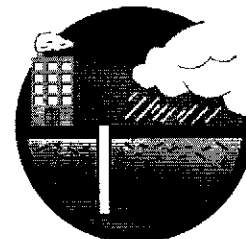
All comments will be forwarded to the Owner and County & City Staff.

Upon completion of the public participation process, Alameda County Environmental Health will issue a final determination on the Draft CAP. All comments received on or before _____, 2007 will be considered and responded to prior to preparation of the final CAP.

Sincerely,

Raynold I. Kablanow II, PH.D.
CA Professional Geologist #5234
Certified Hydrogeologist #442
Registered Environmental Assessor II

cc: Chris Davidson, City of Livermore Redevelopment Agency
Jerry Wickham, Alameda County
Rita and Tony Sullins, Arrow Rentals Service



Ms. Barbara L. Evoy
Deputy Director of the Division of Financial Assistance
State Water Resources Control Board
P.O. Box 100 Sacramento, Ca. 95812-0100
Sacramento, Ca. 95812-0100

Dr. Raymond Kablanow II
Geological Technics, Inc.
1101 7th Street
Modesto, Ca. 95354

Mr. Jerry Wickam
Alameda County Health Agency, DEH
1131 Harbor Bay Parkway
Alameda, Ca. 94502

Heidi Timken
500 Ygnacio Valley Blvd., Suite 360
Walnut Creek, Ca. 94596

NEWSPAPER AD

Geological Technics Inc. c/o
Tony & Rita Sullins, Arrow Rentals Service

NOTICE OF INVITATION OF PUBLIC COMMENT

DATE OF NOTICE:

DATES OF PUBLIC COMMENT:

DEADLINE FOR WRITTEN COMMENTS:

SUBMIT TO:

Raynold I. Kablanow II.
Geological Technics Inc.
1101 7th Street
Modesto, CA 95354
(209) 522-4119

(Note: Comments will be forwarded to Owner and County & City Staff)

PROJECT TYPE/NUMBER: Corrective Action Plan

PROJECT NAME: Arrow Rentals Service

PROJECT LOCATION: 187 N. L Street, Livermore, CA 94550

Project description:

Between 1951 and 1968, a Mobil service station operated at the site. In 1972, Arrow Rentals purchased the property and removed three 1,500 gallon underground storage tanks (UST) were removed after they failed integrity tests. In 1984 two remaining UST were removed and one 1,000 gallon gasoline UST with a vapor monitoring well was installed in the southeastern corner of the site. In June 1985, approximately 600 gallons of gasoline were accidentally dispensed into the vapor monitoring well.

From 1989 to present various activities were conducted in order to identify the potential risks from contaminants in the soil and groundwater at the above referenced site. The various activities included installing monitoring wells, soil borings, and a soil gas survey.

The Corrective Action Plan (CAP) as developed by Geological Technics Inc. (GTI) proposes to implement Dual Phase Extraction (DPE) to restore the quality of the groundwater. DPE involves the use of soil vapor extraction and groundwater extraction simultaneously from one well - extracting groundwater induces a cone of depression that exposes more impacted soil to vapor extraction. The CAP document is a proposed remedy that is protective of public health and safety as well as the environment.

Where to get additional information:

A detailed copy of the proposed CAP is available for public review at the Livermore Public Library, 1188 South Livermore, CA 94550, and at the Livermore City Hall at the Clerk's Office, 1052 South Livermore Avenue, Livermore, CA 94550.

Public Participation Plan-April 2007 (Draft)

1. Introduction

This Public Participation Plan was prepared to comply with Health and Safety Codes. Its purpose is to inform members of the community on the proposed environmental clean up activities at the Arrow Rentals facility. Included in these documents are: a brief history of the proposed cleanup plan - Draft Corrective Action Plan (CAP), instructions to the public as to how they can participate in the process, and where to obtain additional information.

2. Site Background/History

The Arrow Rentals property is located at 187 N. L Street in Livermore, California and currently serves as a rental facility. Between 1951 and 1968, a Mobil service station operated at the site. In 1972, Arrow Rentals purchased the property and removed three 1,500 gallon underground storage tanks (UST) after they failed integrity tests. In 1984 two remaining UST were removed and one 1,000 gallon gasoline UST with a vapor monitoring well was installed in the southeastern corner of the site. In June 1985, a petroleum supplier pumped approximately 600 gallons of gasoline into vapor monitoring well (Pitcock release).

Over the years, various firms have conducted assessment activities on the site including Woodward Clyde Consultants Inc. (WCC) retained in 1988 by Livermore Redevelopment Agency (Agency), and Aquifer Sciences retained by Arrow Rents beginning in 1997. As approved by Alameda County Environmental Health (ACEH), these firms have completed several soil borings and installed monitoring wells, confirming impacts to the site from the release of petroleum hydrocarbons. The sources of petroleum hydrocarbons were reported to be from the UST systems at the site and the 1985 Pitcock release.

From 1989 to present various activities were conducted in order to identify the actions that needed to eliminate the potential risks from contaminants in the soil and groundwater at the site. These activities included additional monitoring wells, soil borings, and a soil gas survey.

2.1 Discovery of Contamination and Agency Involvement

The Agency retained WCC to perform site assessment activities in 1988. A report dated June 12, 1991 from WCC, confirmed that an unauthorized release(s) of petroleum hydrocarbon had occurred at the site. In 2005, Arrow Rentals was one of 550 property owners that received notice regarding upcoming environmental assessments in the Agency's Project Area.

2.2 Current Site Activities – Proposed Mitigation

The Corrective Action Plan (CAP) as developed by Geological Technics Inc. (GTI) proposes to implement Dual Phase Extraction (DPE) to restore the quality of the groundwater. DPE involves the use of soil vapor extraction and groundwater extraction simultaneously from one well - extracting groundwater induces a cone of depression that exposes more impacted soil to vapor extraction. This process

removes contaminants from the soil. The CAP document is a proposed remedy that is protective of public health and safety as well as the environment.

This CAP plan is the result of successful pilot DPE test completed in September 2006. At that time, ACEH directed that a CAP be developed for public comment and subsequent implementation.

3. Community Profile

Livermore is located in Alameda County in the Tri-Valley region of California approximately 40 miles southeast of San Francisco. Established in 1869 and incorporated in 1876, the population in 2005 was approximately 80,800 within an area of 23.92 square miles. The ethnic make up consists of 65% European-American, 23% Latino, 7% Asian, Pacific Islander, 3% other, 2% African American, and 1% American Indian. The city has a diverse economic base. A significant amount of land is devoted to wine production and other agricultural uses. Livermore also has a vibrant scientific community.

The primary language spoken in Livermore is English; however, 15.5 % of the population speaks a language other than English at home. Other demographics include:

- Approximate median household income: \$75,026
- Approximate per capita income: \$31,067
- Percentage of population holding Bachelor degrees or higher: 31.8%

Elected City Council Members and Mayor govern Livermore; who also serve as the City's Redevelopment Agency Board.

3.1 History of Community Involvement

Community involvement regarding rezoning and reuse of the greater downtown area has been ongoing since 2002. To-date, the following meetings have been held:

- Five Community Workshops were held between 2002 and 2003. According to the city of Livermore, between 100 and 150 people attended each of the five Community Workshops.
- Six City Council meetings were held between 2003 and 2004.
- Five Planning Commission meetings were held in 2003.
- One Redevelopment Project Area Committee was held on July 16, 2003
- One Historic Preservation Committee was held on July 24, 2003.

In September and October of 2004, the Agency notified 550 parcels in the redevelopment area regarding the use of Environmental Protection Agency Brownfield Grant funds to complete assessments within the Agency's Project Area. One comment was received in response to this notification. Three people attended a public meeting held regarding environmental assessment activities.

4. Objectives for the Community Relations Program

The goal of the public participation plan is to provide notification to the public, access to the technical information in the CAP and receive comments from the public.

5. Community Relations Activities and Techniques

The Community relations program for the Site is designed to address the concerns of community members. The specific components of this program are specifically designed to be flexible to changing site conditions and community concerns, and to accommodate any fluctuations in the community's level of interest during site remedial activities. Community relation activities and techniques that the responsible parties may implement are described below. All community relation activities will be overseen by the Agency.

5.1 Press Releases

If there are any new significant findings during the implementation of the CAP, Arrow Rents will notify the public by way of a press release.

5.2 Written Public Notice

Arrow Rental Services will publish a public notice in the local newspaper, The Independent on xxxxx.

5.3 Public Meetings

The proposed CAP presents activities for cleanup of the site. During the comment period, if more than 5 comments are received on this CAP, a public meeting will be held to provide an opportunity for community members to further comment on the CAP. Once reviewed by the public, the final CAP will incorporate all comments received. If significantly different remedial alternatives are proposed during the comment period, the public will have another opportunity to submit comments on the proposed revisions. Once the CAP is finalized it will be implemented on the site.

5.4 Public Comment Period

The public is invited to comment on the proposed CAP during the period from xxxx, 2007 to xxxx, 2007. Please submit written comments no later than xxxx, 2007 to:

Raynold I. Kablanow II.
Geological Technics Inc.
1101 7th Street
Modesto, CA 95354
(209) 522-4119

(Note: Comments will be forwarded to Owner and County & City Staff)

All comments received will be considered and responded to prior to preparation of the final CAP.

5.5 Analysis of Public Comments

An Analysis of Public Comments ("the Analysis"), also known as a Response to Comments or a Responsiveness Summary, summarizes and responds to the comments received during the public comment period on the draft CAP. Comments may be obtained from transcripts of public meetings, letters to agencies or parties responsible for sites, or verbal comments to project staff. The Analysis records the level and nature of public comments on site remediation activities.

An analysis of public comments will be prepared following the public comment period on the draft CAP. Once finalized, the Analysis will be included in the Final CAP.

5.6 Mailing List

Appendix A is the map of the area of property owners that received notice in regards to environmental actions. A list of the noticed properties is available upon request. Please contact staff at (209) 522-4119 if you would like to be added to the list. Fact sheets included in this plan are available at City Hall and the Public Library.

5.7 Information Repositories

The CAP for Arrow Rentals Service is available for public review at the following locations:

Livermore Public library
1188 South Livermore Avenue
Livermore, California 94550
Monday-Thursday 10:00am to 9:00pm
Friday: 10:00am to 6:00pm
Saturday: 10:00am to 5:00pm
Sunday: Noon to 6:00pm

City Clerk's Office
Livermore City Hall
1052 South Livermore Avenue
Livermore, California 94550
Monday-Friday 8am to 5pm

R0394



State Water Resources Control Board



Linda S. Adams
Secretary for
Environmental Protection

Office of Chief Counsel
1001 I Street, 22nd Floor, Sacramento, California 95814
P.O. Box 100, Sacramento, California 95812-0100
(916) 341-5161 ♦ FAX (916) 341-5199 ♦ <http://www.waterboards.ca.gov>

Arnold Schwarzenegger
Governor

2007 APR 13 PM 2:12

April 12, 2007

Alameda County

APR 13 2007

Environmental Health

CERTIFIED MAIL

Mr. Tony Sullins and Mrs. Rita Sullins
Don-Sul, Inc.
187 L Street N
Livermore, CA 94550

Dear Mr. and Mrs. Sullins:

**PETITION OF DON-SUL, INC. (USTCF CLAIM 389), 187 L ST. N., LIVERMORE,
CALIFORNIA: COMPLETE PETITION
SWRCB/OCC FILE UST-257**

This is to confirm receipt of the above-cited petition on April 3, 2007. The petition is complete pursuant to the requirements of the California Code of Regulations, title 23, section 2814 et seq.

Pursuant to your request, we will hold the petition in abeyance until July 3, 2007 so that you can submit a supplement to the petition. The supplement must be sent to Ms. Tam Doduc, Board Chair of the State Water Resources Control Board, with copies to Mr. Michael A. M. Lauffer, Chief Counsel, and Ms. Barbara L. Evoy, Deputy Director of the Division of Financial Assistance, at the following address:

State Water Resources Control Board
P.O. Box 100
Sacramento, CA 95812-0100

You will be advised of all proceedings connected with the petition. If you have any questions about this matter, please contact me at (916) 341-5184.

Sincerely,

Kathleen A. Keber
Senior Staff Counsel

cc: See next page

Mr. Tony Sullins and Mrs. Rita Sullins

- 2 -

April 12, 2007

cc: Dr. Raymond Kablanow II
Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354

✓ Mr. Jerry Wickam
Alameda County Health Agency, DEH
1131 Harbor Bay Parkway
Alameda, CA 94502

Ms. Heidi Timken
Timken Johnson Hwang LLP
500 Ygnacio Valley Boulevard, Suite 360
Walnut Creek, CA 94596

Wickham, Jerry, Env. Health

To: Davidson, Chris
Cc: Drogos, Donna, Env. Health
Subject: RE: Noticing Requirements - Arrow Rentals

Chris,

The noticing radius used by Alameda County is case specific depending upon the threat, urban/rural location, and public interest. For a site such as Arrow Rentals, the notifications would be adjacent properties within 200 feet to the south, east, and north, and 500 feet downgradient to the west and west northwest to include potentially affected downgradient properties.

Regards,
Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 fax
jerry.wickham@acgov.org

From: Davidson, Chris [mailto:cedavidson@ci.livermore.ca.us]
Sent: Tuesday, April 03, 2007 9:07 AM
To: Drogos, Donna, Env. Health
Subject: Noticing Requirements

Donna,
RE the Arrow site. Our noticing radius is 300'. Does the County have a different one? If so, please forward to me asap. Thanks, Chris

4/4/2007

Tony Sullins
Rita Sullins
5476 Maybeck Lane
Livermore, Ca. 94550

RECEIVED
MARCH 4 2007
ENVIRONMENTAL HEALTH SERVICES

March 29, 2007

Ms. Tam Doduc, Board Chair of the State Water Board
State Water Resources Control Board
P.O. Box 100
Sacramento, Ca. 95812-0100

Petitioner: Mr. Tony Sullins and Mrs. Rita Sullins
Don-Sul, Inc. dba Arrow Rentals
187 North L Street
Livermore, Ca. 94550

Re: UST Cleanup Fund Final Division Decision (FDD); Claim No. 389

Dear Ms. Doduc,

My husband and I are the current owners of 187 North L Street in Livermore. We are petitioning the State Water Board to reconsider the FDD dated March 5, 2007 because the decision rejects our request that the UST Fund increase its reimbursement of cleanup costs at our property. The decision is erroneous, inappropriate, and improper with regard to actions taken by the Underground Storage Tank Fund (UST Fund).

We are presenting three separate rebuttals due to the extraordinarily complex parts of our case. We realize all three remedies cannot be granted, but believe there is a strong case to be made for each of the three.

FDD Rebuttal No. 1 – The UST Fund has been negligent and unfair in its handling of our claim from the very beginning of the application process. We were given false and erroneous information regarding the UST Fund's rules and regulations and were gravely misled regarding our ongoing litigation with a responsible party, Pitcock Petroleum. We now know that the UST Fund's own representative who was assigned to assist, guide and help us in obtaining a Letter of Commitment gave us false and erroneous information. As a direct result of the misleading information, we settled lawsuits and/or litigation on terms that were extremely detrimental/damaging to us and can **never** be reversed.

The notable damage of these egregious actions is the requirement by the UST Fund that we pay 15% of all costs relating to the cleanup of the subject property. This is an extreme financial hardship. As we have always maintained, the UST Fund should pay 100% of all past and future cleanup costs.

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

F

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

March 21, 2007

Ms. Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Ms. Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. RO0000394 and Geotracker Global ID T0600100116, Arrow Rentals, 187 North L Street, Livermore, CA 94550 – Draft Corrective Action Plan

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) and San Francisco Bay Regional Water Quality Control Board staff have reviewed the fuel leak case file for the above-referenced site including the recently submitted report entitled, "Draft Corrective Action Plan," dated January 25, 2007 and received by ACEH on February 20, 2007. The Draft CAP, which was prepared on your behalf by Geological Techniques, Inc., presents plans to cleanup petroleum contamination in soil and groundwater in the area of former USTs and downgradient from a release into a vapor monitoring well. The goal of the corrective action is to remove the high concentrations of petroleum contamination in soil and groundwater beneath the former UST system. Three corrective action alternatives are reviewed in the Draft CAP: monitored natural attenuation, soil vapor and groundwater extraction, and dual phase extraction. Dual phase extraction (DPE) is selected based on the results of a DPE pilot test conducted in October 2006.

The Draft CAP is acceptable as submitted for public comment. However, we request that you re-submit the Draft CAP to the ACEH ftp site as described in the enclosed Electronic Report Upload (ftp) Instructions because the appendices and figures were out of order with the text. Please proceed with the public participation requirements and comment period requested by the City of Livermore. Upon completion of the public comment period, please submit the Final Corrective Action Plan.

We request that you perform the proposed work and send us the technical reports requested below. Submittal of the technical reports requested below is also required in order to comply with the City of Livermore's March 1, 2006 Notice and Demand for cleanup of the site under the Polanco Redevelopment Act.

TECHNICAL REPORT REQUEST

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

- **21 days after close of Public Comment Period – Final Corrective Action Plan**
- **August 13, 2007 – First 2007 Semi-Annual Groundwater Monitoring Report**

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

Rita Sullins
Jennifer Sedlacheck
RO0000394
March 21, 2007
Page 3

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Rita Sullins
Jennifer Sedlacheck
RO0000394
March 21, 2007
Page 4

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Sunil Ramdass, UST Cleanup Fund, P.O. Box 944212, Sacramento, CA 94244-2120

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

Leah Goldberg, Meyers Nave, 555 12th Street, Suite 1500, Oakland, CA 94607

Raynold Kablonow, Geological Technics, Inc., 1101 7th Street, Modesto, CA 95354

Heidi Timken, Timken, Johnson, Hwang, 500 Ygnacio Valley Road, Suite 360, Walnut
Creek, CA 94596

Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

120394



State Water Resources Control Board



Linda S. Adams
Secretary for
Environmental Protection

Division of Financial Assistance

1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5652 • FAX (916) 341-5806 • www.waterboards.ca.gov/cwphome/ustcf

Arnold Schwarzenegger
Governor

MAR - 5 2007
2007 5 - MAR

CERTIFIED MAIL: 7003 3110 0003 0773 2829
Return Receipt Requested

Mr. Tony Sullins and
Ms. Rita Sullins
Don-Sul, Inc.
187 L St. N
Livermore, CA 94550

Dear Mr. and Ms. Sullins:

UNDERGROUND STORAGE TANK (UST) CLEANUP FUND (FUND);
FINAL DIVISION DECISION (FDD); CLAIM NO. 389; FOR SITE ADDRESS:
187 L ST N, LIVERMORE, CA

By a letter dated November 10, 2006, your consultant, Geological Technics, Inc. (GTI), requested an FDD, for reconsideration of the Fund Manager Decision (FMD) dated September 14, 2006. The FMD reaffirmed previous decisions dating back to 1994, that 85 percent of corrective action costs should be reimbursed through your claim. The remaining 15 percent of costs at your site has been allocated to corrective action associated with a 1985 fuel delivery incident by Pitcock Petroleum (the Pitcock Release). Your appeal requests that 96 percent of the costs be made eligible and only 4 percent ineligible, based on a March 23, 2006 Report of Findings by GTI.

Decision

After my review of the GTI letter and other documentation in your file, I do not find a compelling basis to revise the 85 percent allocation level for Fund reimbursement under this claim. The basis for my decision is discussed below.

Background

A Mobil service station was operated on the site between approximately 1951 and 1968. Arrow Rentals (Arrow) purchased the property in 1972 and removed three of the five existing USTs. Reportedly, these USTs had failed integrity tests prior to their removal. The remaining two USTs were used until 1984, when they were removed. Based on a statement in the file, no petroleum contamination was discovered during the removal of the last two USTs.

A new 1,000-gallon UST replaced the old USTs. Two 4-inch diameter vapor-monitoring wells were installed in the vicinity of the 4-inch diameter fill pipe of the new UST.

In June 1985, the driver of a fuel delivery truck from Pitcock Petroleum accidentally unloaded approximately 600 gallons of gasoline into one of the vapor monitoring wells (Well B-1A). This event was not reported to any regulatory agencies until 1989, four years after the release occurred.

Woodward Clyde Consultants (WCC) performed a series of site investigations between 1988 and 1992 because the Livermore Redevelopment Agency was considering purchasing the Arrow property. In a report dated June 12, 1991, WCC concluded that approximately 85 percent of the soil contamination was due to piping leaks from the former Mobil USTs, and 15 percent of the soil contamination and 97 percent to 99 percent of the groundwater contamination should be attributed to the Pitcock release. WCC also concluded that leaded fuel from the Pitcock release had resulted in free product discovered in monitoring well W-1, approximately 40 feet from the 1,000-gallon UST.

Fund Claim No. 389 was received by the Fund on January 13, 1992, and a Letter of Commitment was issued on October 4, 1993. On November 17, 1993, settlement and mutual release agreements were made between the site owners, Pitcock and the applicable insurance companies. We understand that these agreements and a cash settlement were related to the 600-gallon Pitcock release to the monitoring well.

On July 22, 1994, the Fund Manager issued a "final Staff Decision" letter, which determined that 15 percent of the total soil and groundwater remediation costs would be ineligible for reimbursement because they were allocated to the ineligible Pitcock release. This decision was based on data from the WCC report dated June 12, 1991.

On March 23, 2006, GTI completed a revised analysis for allocation of the petroleum contamination at the site based on an assessment of the historic WCC soil and groundwater data. According to GTI, a more accurate allocation would be that 96 percent of the contamination was related to UST release(s) and 4 percent should be attributed to the Pitcock release. In support of this revised allocation, GTI estimated that a total of 11,390 gallons of petroleum had been released at the site, of which only 600 gallons or less was from the Pitcock release.

The FMD dated September 14, 2006, concluded that the original 85/15 percent allocation was proper.

The Fund's records show that you have been reimbursed \$153,391 to date under Claim No. 389.

Points Raised In the Appeal

I will summarize and briefly respond to the major points of your appeal, as I understand them.

1. **The comparison of relative volumes alone as a measure of the relative contamination sources is flawed.** The 1991 WCC analysis was flawed in that it used only relative soil volumes of the two plumes and failed to take into account the relative concentrations, with the concentrations in the UST plume being higher.

Response: I believe that, in this case, the comparison of relative volumes is no less flawed than the comparison of relative concentrations of contaminants as a means of allocating costs between eligible and ineligible sources. Many factors bear on the costs of corrective action, the lateral and vertical extent of the contamination, the nature of the subsurface conditions, the nature of the contaminant itself, and the selected method of cleanup, if required. It may cost more to cleanup deep contamination than shallow contamination, but not always. Heavy contamination in porous strata may cost less to clean up than lower concentrations in dense strata. Older, weathered gasoline may be allowed to clean up through natural attenuation because there may be no benzene and less risk, or it may cost more to cleanup if deep excavation is required. Groundwater may cost more to cleanup than soil.

It appears that WCC was basing its cleanup cost estimates on the use of soil vapor extraction, in which case the size of the three-dimensional volume to be cleaned would be an important parameter for designing a treatment system. A larger contaminated area might require additional extraction wells, underground piping and trenching, and associated infrastructure costs.

2. **The use of the geometric mean vs. the arithmetic mean is inappropriate.** The FMD inappropriately and unfairly uses a geometric mean to determine the relative magnitude of the contamination sources. The GTI approach to the analysis accounts for wide variations in data by breaking the site into five-foot-thick horizontal zones and then averaging concentrations by zone. This approach has been accepted by California regulatory agencies.

Response: I agree with Fund staff that using a simple averaging of a few widely variable data points as an indicator of the overall contaminant mass in a subsurface layer is not an appropriate approach. Breaking the site down into vertical layers is only one part of dealing with a highly variable analysis. Some accounting of lateral variability must also be considered, beyond just averaging. There were few data points used, and soil contamination data

collected at this site differed by over four orders of magnitude within many of the vertical layers.

3. **There was and still is an incomplete understanding of the extent of the contamination at the site.** The extent of the soil and groundwater plumes was undefined in 1991. There was an anomaly in that there was little evidence of soil contamination in the vicinity of the Pitcock Release. Information now available shows soil contamination exists above and below the intervals modeled by WCC that would increase the total mass present to the benefit of the claimant.

Response: There has been intermittent investigation and monitoring of the site. Also, it has been 23 years since the Pitcock Release occurred and the eligible release was reported. There has been significant variability in the groundwater elevation during that time, coupled with natural transport and fate forces affecting the contamination. It seems unlikely that any new information will help refine this case that would justify adjusting the funding allocation by 11 to 14 percent.

4. **The various analyses do not take into account factors that would be in the advantage of the claimant.** The GTI analysis does not include soil contamination above or below 17.5 and 42.5 feet respectively or diesel-range contamination. Inclusion of contamination in these areas would increase the overall mass present to the benefit of the claimant. Likewise, the GTI analysis did not take into account the fact that the Pitcock driver pumped product out of the well, so the total remaining is only 0 to 300 gallons, which would further reduce the ineligible contamination.

Response: There may be factors that have not been accounted for that would be in the favor of the claimant, such as the presence of weathered gasoline and contamination outside of the current range of investigation, but there are also factors that are known that have not been included in the GTI analysis that would weigh against the claimant.

First, the WCC report attributes the free product in Well W-1 to the Pitcock Release, based on a forensic analysis of lead content. The WCC report (and the GTI report as well) concludes that the most highly impacted area of the site was centered on this well. This monitoring well is located approximately 40 feet downgradient from the 1,000-gallon UST, where the ineligible Pitcock release originated. The WCC cross-sections show the subsurface to be predominantly gravel to a depth of approximately 38 feet, which would be conducive to migration of a large mass of gasoline deposited through a vapor monitoring well.

Second, in its November 9, 2006, analysis included with the appeal, GTI presents soil data from monitoring well W-1 and soil boring B-1A, which is or was located just east (upgradient) from the 1,000-gallon UST, where the Pitcock Release occurred. The petroleum concentrations between 15 and 40 feet are averaged. GTI then multiplies the averaged concentrations by assumed soil volumes of 2,000 cubic yards of piping release soil and 350 cubic yards of the Pitcock release soil. However, GTI does not include the highest soil concentration found in monitoring well W-1. WCC collected a sample with a concentration of 16,000 mg/Kg as Total Petroleum Hydrocarbons –gasoline (TPHg) at 40 feet below surface, immediately above the free product found at approximately 41 feet. GTI does not include this sample on the basis that that contamination in monitoring well W-1 was from both releases. However, since WCC determined in 1991 that the free product in W-1 was predominantly or entirely from the Pitcock release, and not the old eligible tanks, this interpretation is not supported.

As to the question of how much gasoline was actually left in the ground from the Pitcock Release, it is generally acknowledged that approximately 600 gallons of gasoline was initially placed into the vapor-monitoring well. During the subsequent litigation, Mr. John Cox of Federated Insurance, Pitcock's insurer, alleged that the driver began to immediately pump out as much gasoline as possible, and may have removed as much as 300 gallons from the well. This statement is in conflict with a sworn declaration from Mr. Gary R. Pinks, manager of the Arrow facility. In his statement, Mr. Pinks states that after he told the Pitcock driver that he was delivering the gasoline to the monitoring well, the driver immediately stopped and contacted his office. After making a phone call from the Arrow office, the driver then left the site. In Mr. Pinks' statement, he says he heard the driver say he dumped 600 gallons into the ground, but he does not make any mention of the Pitcock driver pumping out any fuel after the mistake was discovered, nor is it likely that a delivery truck would allow for such an operation.

Discussion

The site investigation did not begin until three years or more after the Pitcock Release and an unknown number of years after the releases from the eligible USTs occurred. Investigation has been intermittent since, and in its March 23, 2006, report, GTI concluded that an accurate site conceptual model could not be adequately prepared because of the temporal and spatial variations in the historical groundwater and soil data points. GTI did conclude using the same available information that the allocation of costs undertaken in 1994 was flawed, and proposed an approach that would reduce the allotment to the Pitcock Release to only 4 percent.

I continue to believe the 1991 WCC report provides the best assessment of the case, for the purpose of allocating cost. Figure 7 in that report consists of a cross-section that shows two contaminant plumes, one from the ineligible Pitcock release and one from UST piping releases from 1951 to 1972. This figure shows a larger soil volume attributed to the piping leaks and shows the Pitcock release as underlying the older release. This seems consistent with the fact that petroleum product from the Pitcock release was introduced directly into the subsurface through the monitoring well. While this interpretation may be imperfect, I believe it is the best approximation of the soil and free product plumes circa 1991. No data or alternate site conceptual model has been presented that would refute the WCC conclusions.

Summary

Based on my review of your appeal and the claim file, I find that I must uphold the FMD. I do not find the GTI arguments sufficiently compelling to overturn the past decisions. I find the overall WCC analysis reasonable, especially the conclusion that the free product in monitoring well W-1 was from the ineligible Pitcock release. I also note the 1991 WCC analysis found that 97 to 99 percent of the groundwater contamination was attributable to the Pitcock Release, but that the Fund has adopted an 85 percent allocation for both soil and groundwater, which is to the favor of the claimant. The determination that 85 percent of the corrective action costs is eligible is reasonable.

Appeal Process

This represents an FDD. If you disagree with this decision, you may file a petition for review with the State Water Resources Control Board (State Water Board). The petition must be received by the State Water Board within 30 days from the date of this FDD, as provided in Title 23, Chapter 18, Article 5 of the *California Code of Regulations*. Your petition must be sent to Ms. Tam Doduc, Board Chair of the State Water Board, with copies to Mr. Michael A. M. Lauffer, Chief Counsel, and Ms. Barbara L. Evoy, Deputy Director of the Division of Financial Assistance, at the following address:

State Water Resources Control Board
P.O. Box 100
Sacramento, CA 95812-0100

A petition to the State Water Board must include, at a minimum: (1) the name and address of the petitioner; (2) a copy of the FDD that the State Water Board is requested to review; (3) an explanation why the petitioner believes the FDD is erroneous, inappropriate, or improper; (4) a statement describing how the petitioner is damaged by the FDD; and (5) a description of the remedy or outcome desired. If the

Don-Sul, Inc.
Claim No. 389

- 7 -

State Water Board does not receive a petition for review within 30 days from the date of this letter, this FDD is final and conclusive.

If you have any further questions, please call me at (916) 341-5632 or if you have questions specific to your claim, please call Mr. David Charter at (916) 341-5652.

Sincerely,



Barbara L. Evoy, Deputy Director
Division of Financial Assistance

cc: Dr. Raymond Kablanow II
Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354

Mr. Jerry Wickam
Alameda County Health Agency, DEH
1131 Harbor Bay Parkway
Alameda, CA 94502

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

January 16, 2007

Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. RO0000394, Arrow Rentals, 187 North L Street, Livermore, CA

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the recently submitted report entitled, "Site Conceptual Model and Semiannual Groundwater Monitoring Report," dated December 18, 2006, prepared on your behalf by Geological Techniques, Inc. The report presents initial groundwater sampling results from five continuous multi-chambered tubing (CMT) monitoring wells installed at the site in October 2006 as well as monitoring data from other existing wells. The report also describes a site conceptual model and presents recommendations for the site.

We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below. Submittal of the technical reports requested below is also required in order to comply with the City of Livermore's March 1, 2006 Notice and Demand for cleanup of the site under the Polanco Redevelopment Act.

TECHNICAL COMMENTS

- 1. Vertical Gradient.** Based on a comparison of water levels in well pairs MW-104/MW-204 and MW-205/MW-305 as shown on Table 4, an upward vertical gradient appears to exist at the site. However, we also note that a downward gradient appears to exist between wells pairs MW-105/MW-205, MW-106/MW-206, MW-107/MW-207, and MW-108/MW-208. We concur with the statement on page 22 regarding the need for caution in concluding that an upward gradient at the site may retard deeper migration of contaminants. Additional water level measurements are required prior to making this conclusion. No water level data appear to be reported for wells MW-304 and MW-305. Water level measurements for these two deeper intervals are particularly relevant to the discussion of the potential for downward migration of contaminants. Water level measurements for these two deeper screened intervals are to be collected and reported for all future groundwater sampling events.
- 2. Vertical Extent of Contamination.** During the October 2006 groundwater sampling event, TPH as gasoline was detected in groundwater collected from the two lowest screened

intervals in well MW-4 (MW-304 at 75 feet bgs and MW-404 at 81 feet bgs) at concentrations of 3,300 and 1,700 micrograms per liter ($\mu\text{g/L}$). Based on these results, the vertical extent of groundwater contamination does not appear to be defined. The SCM report discusses the possibility that the dissolved TPH as gasoline may be the lower portion of the plume or may be an artifact of the drilling process. We concur with the recommendation to monitor contaminant concentrations in wells MW-304 and MW-404 for a period of one year. If contamination continues to be detected at similar concentrations in groundwater from wells MW-304 and MW-404, additional investigation of the vertical extent of contamination will be required. Please present groundwater sampling results for these wells in the semiannual groundwater monitoring reports requested below.

3. **Long Screen Wells.** We concur with the recommendation to sample long screen wells W-B, W-D, and W-E once and then destroy the wells to prevent vertical contaminant migration. Please present plans to sample and properly decommission these wells in the Draft CAP requested below.
4. **Upgradient Well W-C.** We concur with the recommendation to sample well W-C once to confirm that upgradient groundwater is not contaminated and then destroy well W-C. Please present plans to sample and properly decommission well W-C in the Draft CAP requested below.
5. **Wells W-2 and W-3.** We have no objection to the recommendation to decommission wells W-2 and W-3. Please present results from the well decommissioning in a technical report after resolving ownership or access issues.
6. **Cross Sections and Well Screened Interval Diagram.** The cross sections presented on Figures 5, 6, 9, and 10 were quite useful for data presentation and interpretation. We appreciate the effort to include these cross sections. Please assure that the cross sections are oriented correctly on the page as Figure 5 appeared to be partially cut off. The Well Screened Interval Diagram was also an effective tool for data presentation. Please include these cross sections and diagrams as appropriate in future documents.
7. **Draft Corrective Action Plan.** Based on the SCM, results from the DPE and air sparging pilot tests, and other relevant site data, please prepare the Draft Corrective Action Plan (CAP) requested below. The Draft CAP is to include a proposal that will result in the removal of residual product and a reduction in the concentrations of fuel hydrocarbons in groundwater within an acceptable time frame. A minimum of three remedial alternatives are to be evaluated in the Draft CAP.
8. **Draft Public Participation Plan.** Public participation is a requirement for the CAP process. In order to provide notification to potentially affected members of the public, please prepare a Draft Public Participation Plan for review by ACEH and the City of Livermore Economic Development Department.
9. **Groundwater Monitoring.** Groundwater monitoring is to be continued on a semi-annual basis. Please present the results in the groundwater monitoring reports requested below.

TECHNICAL REPORT REQUEST

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

- **February 20, 2007** – Draft Corrective Action Plan and Draft Public Participation Plan
- **August 13, 2007** – First 2007 Semi-Annual Groundwater Monitoring Report

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering

Rita Sullins and Jennifer Sedlacheck
January 16, 2007
Page 4

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.

UNDERGROUND STORAGE TANK CLEANUP FUND

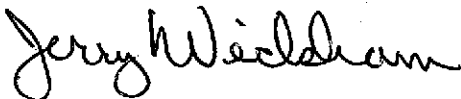
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Sunil Ramdass, UST Cleanup Fund, P.O. Box 944212, Sacramento, CA 94244-2120

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

Leah Goldberg, Meyers Nave, 555 12th Street, Suite 1500, Oakland, CA 94607

Raynold Kablonow, Geological Technics, Inc., 1101 7th Street, Modesto, CA 95354

Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

R0394

Wickham, Jerry, Env. Health

From: Seng, John, Env. Health on behalf of dehloptoxic, Env. Health
Sent: Thursday, January 11, 2007 1:54 PM
To: 'Virginia Sinclair'
Cc: Wickham, Jerry, Env. Health
Subject: RE: RO0000394 Report Upload

Good Afternoon Virginia,

It just came to my attention that I failed to notify you via email that I was unable to find the reports you mentioned on our FTP. Please resubmit the reports and it will be processed as soon as possible. If you need instructions please let me know. Sorry about the delay.

From: Virginia Sinclair [mailto:vsinclair@geologicaltechnics.com]
Sent: Friday, December 22, 2006 11:07 AM
To: dehloptoxic, Env. Health; Wickham, Jerry, Env. Health
Cc: Jenny Weese
Subject: RO0000394 Report Upload

Good morning;

We have uploaded a report on your ftp site. The name of the report is Site Conceptual Model & Semiannual Groundwater Monitoring October, 2006 for Arrow Rentals Service, 187 North L Street, Livermore, CA.

Thank you,

Virginia Sinclair
Administrative Assistant
Geological Technics, Inc.

1/11/2007

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
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Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 6, 2006

Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. [REDACTED], Arrow Rentals, 187 North L Street, Livermore, CA

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the reports entitled, "Site Characterization Report," dated October 26, 2006 and "Dual Phase Pilot Test, Soil Vapor & Groundwater Extraction Report," dated November 7, 2006 and received by ACEH on November 13, 2006. Both reports were prepared on your behalf by Geological Techniques, Inc. The "Site Characterization Report," dated October 26, 2006 presents the results from installation of five continuous multi-chamber tubing (MCT) monitoring wells. Soil boring logs and soil sampling results are presented and discussed in the report.

The "Dual Phase Pilot Test, Soil Vapor & Groundwater Extraction Report," dated November 7, 2006, presents the results from installation of a shallow vapor extraction well and performance of a dual phase extraction and limited air sparging pilot test. The report concluded that soil vapor extraction was a viable remedial technology for the site. Vapor extraction removed approximately 17 gallons of petroleum hydrocarbons in the gasoline range during the pilot test and vacuum was achieved at a distance of 47 feet from the extraction point. Air sparging may also be a viable remedial technology for the site; however, limited data were collected during the air sparging to confirm the effectiveness of air sparging.

We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below. Submittal of the technical reports requested below is also required in order to comply with the City of Livermore's March 1, 2006 Notice and Demand for cleanup of the site under the Polanco Redevelopment Act.

TECHNICAL COMMENTS

1. **Site Conceptual Model.** We request that you prepare a brief site conceptual model (SCM) that summarizes the site conditions and existing analytical data. The SCM must incorporate the most recent soil and groundwater sample results from the five MCT wells.

Please present the SCM and second 2006 semi-annual groundwater monitoring results in the report requested below.

2. **Draft Corrective Action Plan.** Based on the SCM, results from the DPE and air sparging pilot tests, and other relevant site data, please prepare the Draft Corrective Action Plan (CAP) requested below. The Draft CAP is to include proposed cleanup goals for soil and groundwater. A minimum of three remedial alternatives are to be evaluated in the Draft CAP.
3. **Draft Public Participation Plan.** Public participation is a requirement for the CAP process. In order to provide notification to potentially affected members of the public, please prepare a Draft Public Participation Plan for review by ACEH and the City of Livermore Economic Development Department.
4. **Groundwater Monitoring.** Groundwater monitoring is to be continued on a semi-annual basis. Please present the results in the groundwater monitoring reports requested below.

TECHNICAL REPORT REQUEST

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

- **February 9, 2007** – Site Conceptual Model and Second 2006 Semi-Annual Groundwater Monitoring Report
- **February 9, 2007** – Draft Corrective Action Plan and Draft Public Participation Plan
- **August 13, 2007** – First 2007 Semi-Annual Groundwater Monitoring Report

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

ELECTRONIC SUBMITTAL OF REPORTS

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

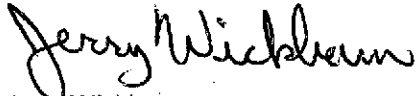
AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Rita Sullins and Jennifer Sedlacheck
December 6, 2006
Page 4

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Sunil Ramdass, UST Cleanup Fund, P.O. Box 944212, Sacramento, CA 94244-2120

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

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Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH
File



State Water Resources Control Board



Linda S. Adams
Secretary for
Environmental Protection

Division of Financial Assistance
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P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5652 FAX (916) 341-5806 • www.waterboards.ca.gov/cwphome/ustcf

Arnold Schwarzenegger
Governor

OCT 24 2006

CERTIFIED MAIL No: 7003 3110 0003 0773 2362
Return Receipt Requested

Alameda County
OCT 25 2006
Environmental Health

Ms. Rita Sullins
5476 Maybeck Lane
Livermore, CA 94550

Dear Ms. Sullins:

UNDERGROUND STORAGE TANK (UST) CLEANUP FUND (FUND); CLAIM NO. 389;
FOR SITE ADDRESS: 187 NORTH L STREET, LIVERMORE, CA

Your letter to Governor Arnold Schwarzenegger has been referred to the State Water Resources Control Board (State Water Board) for response. As Deputy Director of the State Water Board's Division of Financial Assistance (Division), I am pleased to respond on behalf of the Governor and the State Water Board.

In your letter, you refer to several problems regarding cleanup of petroleum contamination at the above-referenced site. Some of the cleanup costs are being reimbursed by the Fund, which is part of the Division that I oversee.

I note that this Fund claim has been active for over 13 years and that you have been reimbursed \$153,391 to date for corrective action costs. As a result, I was surprised and concerned to read in your letter that the cleanup has not started for a relatively small site. You should keep in mind that the Fund is scheduled to sunset on January 1, 2011.

You also raise numerous concerns about the local governmental entities that are involved with your site, namely the City of Livermore (City) and the Alameda County Health Agency (County). These concerns are best addressed through your City Council and the County Board of Supervisors.

As far as your concerns with the Fund, I understand that your consultant, Geological Technics, Inc. (GTI), is preparing a request for a Final Division Decision (FDD) for reconsideration of the Fund Manager Decision (FMD) issued on September 14, 2006. The FMD reaffirmed previous Staff Decisions and FMDs dating back to 1994 for the 85 percent reimbursement level for eligible corrective action costs for your claim. As part of the FDD process, I will review and address points raised in your letter, the GTI appeal material, and other supporting documents in the claim file.

California Environmental Protection Agency





State Water Resources Control Board



Linda S. Adams
Secretary for
Environmental Protection

Division of Financial Assistance
1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5424 • FAX (916) 341-5806 • www.waterboards.ca.gov/cwphome/ustcf

Arnold Schwarzenegger
Governor

October 12, 2006

DON-SUL, INC.
187 L ST N
LIVERMORE, CA 94550

Alameda County
OCT 17 2006
Environmental Health

PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 000389, PA# 11
SITE ADDRESS: 187 L ST N, LIVERMORE, CA 94550

I have reviewed your request, received on September 28, 2006, 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.

2006 OCT 17 10:09

With the following provisions, the total cost pre-approved as eligible for reimbursement for completing the June 28, 2006, Geological Technics Inc. workplan approved by the Alameda County EHD in their July 27, 2006 letter, is **\$35,898**; 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 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	Project Preparation	\$320	
2	Project Management	\$3,130	Includes all project management hours during well installation and DPE/Air Sparging Pilot test

California Environmental Protection Agency



#	Task*	Amount Pre-Approved	Comments
3	Well Installation	\$3,125	Includes all labor and materials for installing a 4-Inch well to 25 feet bgs
4	DPE Pilot Test	\$20,150	Includes all costs to complete the 5-Day DPE pilot test and waste water treatment/disposal. Approved costs were based on rates of CalClean bid proposal. Also includes 20 hours of GTI's project staff at \$105/hr for oversight/supervision.
5	Lab Analyses	\$3,458	Must provide copies of lab invoices and reports during reimbursement.
6	Interim Site Work	\$0	Waste water treatment and disposal costs are included in Item #4 of this table.
7	Data Analysis & Reporting	\$5,715	
TOTAL PRE-APPROVED		\$35,898	

* Task descriptions are the same as those identified in Geological Technics Inc.'s September 12, 2006 cost estimate.

- Only the tasks/costs reflected on the above table are pre-approved at this time. The Fund will review any tasks/costs 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 Regional 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 Geological Technics 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 September 12, 2006 by Geological Technics Inc.

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

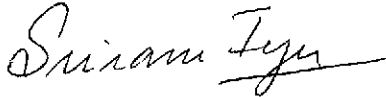
corrective action work. If you need assistance in procuring contractor and consultant services, don't hesitate to call me.

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) 341-5424

Sincerely,



Sriram Iyer, PE
Technical Review Unit
Underground Storage Tank Cleanup Fund

Enclosure

cc: Jerry Wickham
Alameda County EHS
1131 Harbor Bay Parkway, Ste 250
Alameda, CA 94502-6577

Raynold I. Kablanow II
Geological Technics Inc
1101 7th Street
Modesto, CA 95354

RO394

R e v i s e d F A X
T R A N S M I T T A L

FROM: Jenny Weese, Office Manager**DATE:** September 18, 2006**TIME:** 11:30 A.M.**# Pages:** 1 (including this page)**Geological Technics Inc.**1101 7th Street (office)
Modesto, CA 95354**Phone:** 209/522-4119**Fax:** 209/522-4227

X Fax only
Original to follow in mail

TO: Mr. and Mrs. Sullins
Jerry Wickham
Chris Davidson, City of Livermore
Wyman Hong, Zone 7 Water Agency

Fax #: E-mailed
510-337-9335
925-960-4058
925-454-5728

Alameda County
SEP 18 2006
Environmental Health

CHANGE OF DRILLING DATE

MESSAGE:

GTI was again faced with having to delay the drilling project due to the company having unforeseen delays with the drill rig on projects that are to be done prior to this project. We have since switched to a company that has the rig available and has a back up in the event a delay occurs. Even with the change of drilling dates, we will still meet the County and City deadlines.

The following drilling schedule pertains to Tony & Rita Sullins, Arrow Rentals Site located at:
187 North L Street, Livermore, CA
Fuel Leak Case No: RO0000394

DRILLING DATES:

October 2 - 6, 2006 (may be less days, if done sooner) – Install five (5) CMT monitoring wells (MW4 – MW8)

Project Geologist: Joe Angulo, Geological Technics**Contact Number:** 209-522-4119**Permits:** Alameda County Zone 7 Water Agency: Mailed to Wyman Hong on 8/14/06**Start Time:** 8 a.m.**Workplans/Addendums:** June 14, 2006 and May 26, 2006

Please call if you have any questions. Please see original fax for a map showing well locations.

Please Note: The information contained in this facsimile message may be privileged or confidential, and is intended only for the use of the individual named above and others who have been specifically authorized to receive it. If you are not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is hereby strictly prohibited. If you have received this communication in error, or if any problems occur with transmission, please notify us immediately by telephone.

Re 304



State Water Resources Control Board



Division of Financial Assistance

1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5652 FAX (916) 341-5806 • www.waterboards.ca.gov/cwphome/ustcf

Linda S. Adams
Secretary for
Environmental Protection

Arnold Schwarzenegger
Governor

SEP 14 2006

Mr. Tony Sullins and
Ms. Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Dear Mr. and Ms. Sullins:

UNDERGROUND STORAGE TANK (UST) CLEANUP FUND (FUND); FUND
MANAGER DECISION (FMD) FOR RECONSIDERATION OF INELIGIBLE COSTS:
CLAIM NO. 389; FOR SITE ADDRESS: 187 NORTH L STREET, LIVERMORE, CA

This responds to a letter received on April 3, 2006, submitted on your behalf by Geologic Technics, Inc. (GTI), requesting that the Fund reduce the share of cleanup costs attributed to a 1991 fuel delivery incident where several hundred gallons of gasoline were delivered into a vapor well by mistake. The Fund has been reimbursing 85 percent of costs (an ineligible 15 percent attributed to 1991 incident). GTI requested that the Fund reimburse 96 percent (4 percent attributed to 1991 incident) retroactive to the first reimbursement request.

Decision

Based on my review of this matter, I have decided that the current amount being reimbursed (85 percent) is the proper proportion for Fund participation in this cleanup. The basis for my decision is summarized below.

Background

The site was operated as a gas station from about 1951 to 1968 or later. In 1972, three of five USTs were removed because they failed integrity tests. The other two USTs passed integrity tests and remained in use until 1984 when they were removed. No gasoline stains or odors were noted during removal of these two tanks. A new 1000-gallon UST was subsequently installed at the site, and a subsurface monitoring well was installed adjacent to the UST. In October 1985, a fuel truck driver inadvertently dropped an initial estimate of up to 600 gallons of gasoline down the monitoring well, thinking it was the fill port for the tank. This estimated amount dropped has subsequently been reduced to up to 300 gallons.

Claim 389 was filed on January 13, 1992. On July 22, 1994, the Fund Manager at the time, Mr. Dave Deaner, determined that 85 percent of costs would be attributed to the eligible release from the USTs at the site. The remaining 15 percent was attributed to the fuel delivery incident.

California Environmental Protection Agency

Discussion

Your consultant has submitted a new technical analysis and recommends that 96 percent of the cleanup costs be attributed to the eligible release and 4 percent to the 1985 incident. I have reviewed this material and disagree with the conclusion primarily because GTI uses an arithmetic mean in the analysis, as opposed to a geometric mean, which is more appropriate for performing analysis for data sets involving several orders of magnitude in variation. Using the GTI data and applying the geometric mean, we arrive at a percentage close to the 15 percent used to date regardless if the estimated amount dropped in the 1985 fuel delivery incident is reduced to less than 300 gallons.

Appeal Process

This represents an FMD. In accordance with Section 2814.1 of the Fund Regulations, if you are not in agreement with this FMD, you may request a Final Division Decision (FDD) within 60 days of the date of this letter. If you do not request an FDD within those 60 days, this decision will become final and conclusive. The request should be sent to:

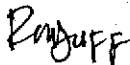
Ms. Barbara L. Evoy, Deputy Director
Division of Financial Assistance
State Water Resources Control Board
P.O. Box 944212
Sacramento, CA 94244-2120

USTCF Claim No. 389

The request for an FDD must include, at a minimum: (1) a statement describing how the claimant is damaged by the prior staff decision; (2) a description of the remedy or outcome desired; and (3) an explanation and supporting documentation of why the claimant believes the action or the decision is erroneous, inappropriate, or improper.

If you have any questions regarding this letter, please telephone Mr. David Charter at (916) 341-5652.

Sincerely,



Ronald M. Duff, P.E., Fund Manager
Underground Storage Tank Cleanup Fund

cc: Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, CA 94502

Ms. Jenny Weese
Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354



Agenda - Sept. 13, 2006
11:00 - 12:30

1. Introductions
2. Overview
3. Schedule
4. Environmental Remediation Agreement
5. Other

EXHIBIT A

Proposed SCHEDULE

The Parties to the Agreement agree to meet the schedule below. Any and all modifications to the schedule contained in this Exhibit A must be made in writing and approved by all parties. This schedule will be attached to the workplan submitted to the County for approval.

ACTIVITY	SCHEDULE
Submit Revised Investigation Workplan to Agency and Regional Board	Completed
Agency and County Approval of Workplan	Completed
Complete Investigation and Issue Report	November 30, 2006
Submit Draft Cleanup Plan and Public Participation Plan to Agency	within 60 days of Investigation Completion Report
Agency and Regional Board Provide Comments	within 21 days
Revised Draft Cleanup Plan and Start Public Comment Period on Draft Cleanup Plan	within 30 days of Agency and County comments
End Public Comment Period	45 days after start of Public Comment Period
Prepare response to Public Comments and Submit Final Cleanup Plan to Agency	21 days after close of Public Comment Period
RWQCB Cleanup Plan Approval and Issuance of Interim Polanco Act Letter	within 60 days of receipt of Final Cleanup Plan (Statutory Timeline)
Implement Cleanup Plan and Submit Completion Report	within 120 days of date of Interim Polanco Act Letter
County and RWQCB Approval and Issuance of Polanco Immunity Letter	within 60 days of submission of Cleanup Plan Completion Report
Submit Groundwater Monitoring or O&M Plan	as required by County or RWQCB
Implementation of Groundwater Cleanup Plan, Groundwater Monitoring and/or O&M Plan, if Required	upon approval by RWQCB or the County, as appropriate

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

September 7, 2006

Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. [REDACTED], Arrow Rentals, 187 North L Street, Livermore, CA –
Request for Schedule Extension

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the document entitled, "Monitoring Well Installation Drilling Job Delay," dated August 22, 2006. The "Monitoring Well Installation Drilling Job Delay," requests a 45-day extension for the Soil and Groundwater Investigation Report and Dual-Phase Extraction and Air Sparging Pilot Test Report. The request for extension is based on scheduling and supplier issues with the drilling contractor.

Based on your request, we are extending the schedule for the DPA and Air Sparging Pilot Test Report by 30 days and the schedule for the Soil and Groundwater Investigation Report by 45 days. The revised schedule is shown below in the Technical Report Request.

TECHNICAL REPORT REQUEST

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

- **October 31, 2006** – Soil and Groundwater Investigation Report
- **November 13, 2006** – DPE and Air Sparging Pilot Test Report
- **60 days after ACEH comments on DPE and Air Sparging Pilot Test Report** – Corrective Action Plan
- **February 15, 2007** – Semi Annual Monitoring Report for the Fourth Quarter 2006

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the

responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

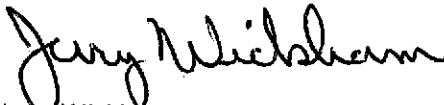
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Sunil Ramdass, UST Cleanup Fund, 1001 I Street, 17th Floor, Sacramento, CA 95814-2828

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

Raynold Kablonow, Geological Technics, Inc., 1101 7th Street, Modesto, CA 95354

Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Thursday, August 24, 2006 2:25 PM
To: Davidson, Chris
Subject: FW: Arrow Rentals Drilling
Attachments: Untitled Attachment; signed corr for drilling 060822.pdf

Chris,

Attached is a request for a schedule extension due to scheduling problems with the driller and well supplier. The Sullins have requested a 45 day extension. Although no one is happy about this, the request for an extension is reasonable. I intend to give a 45-day extension for the Soil and Groundwater Investigation Report but limit the extension for the DPE report to 30 days. The revised schedule is shown:

Soil and Groundwater Investigation Report September 15, 2006 revised to October 31, 2006
DPE and Air Sparging Pilot Test Report October 13, 2006 revised to November 13, 2006
Corrective Action Plan 60 days following ACEH comments on DPE and Air Sparging Pilot Test Report - no change

Please send me any comments on the schedule by COB Tuesday, August 29.

Regards,
Jerry Wickham
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 Fax
jerry.wickham@acgov.org

From: Jenny Weese [<mailto:JWeese@Geologicaltechnics.com>]
Sent: Tuesday, August 22, 2006 12:19 PM
To: Wickham, Jerry, Env. Health
Cc: tonynrita@comcast.net; cdavidson@ci.livermore.ca.us; Hong, Wyman
Subject: Arrow Rentals Drilling

Geological Technics Inc.

1101 7th Street
Modesto, California 95354
(209) 522-4119 / Fax # 522-4227

August 22, 2006

Project No.: 1262.2
Project Name: Sullins Property (L St.)

Mr. Jerry Wickham
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda CA 94502-6577

RE: Monitoring Well Installation Drilling Job Delay
Arrow Rentals, 187 North L Street, Livermore, CA

Dear Mr. Wickham:

RECEIVED
AUG 24 2006
ENVIRONMENTAL HEALTH SERVICES
Alameda County
AUG 24 2006
Environmental Health

Geological Technics Inc. (GTI) staff had scheduled a drilling job for the above referenced site for five new monitoring wells sets. The project was due to start on Thursday, August 24, 2006, but there has been a problem with the drilling company and its associated materials supplier that required us to postpone the scheduled start date.

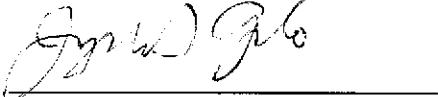
In summary, Resonant Sonic International (RSI) was the low bid driller selected under the UST Cleanup Fund Program's three bid requirements for the project. RSI borrowed a drill rig for the start date of Thursday, August 24, 2006 but the rig was only available for a limited number of days. GTI agreed to drill throughout the weekend to utilize this earliest available date but the problem is that RSI's supplier cannot deliver the well materials (continuous multi-chambered tubes and associated hardware) until the following week of August 28, 2006. Unfortunately, RSI does not have a rig available for this entire week and this situation would necessitate repeated mobilizations to complete the project in piece meal fashion. At this time the drill job has been re-scheduled for the first available slot on RSI's schedule which is the week of September 25, 2006.

But starting on this date will not achieve compliance with the regulatory deadline of September 15, 2006 for a report on the work as specified in the ACEH's July 27, 2006 letter. On behalf on Mr. & Ms. Sullins we request that you issue a 45 day extension for the drill job and the dual phase extraction pilot test due to the above outlined circumstances that are outside of the Sullins' control. In your letter you directed that data be collected from the new wells during the dual phase pilot test. But obviously this can't be done if they are not installed - we had tentatively scheduled the dual phase extraction test with Mako Industries of Livermore for September 11 - 15, but this will have to be rescheduled to after the well installation as well.

For reference and confirmation, RSI's representative Mr. Tuan Nguyen can be reached at (530) 668-2424.

We apologize for the delays and thank you for your attention to this matter. Please do not hesitate to call if you have questions or need clarification.

Respectfully Submitted,



Joseph D. Angulo
Project Geologist

cc: Tony & Rita Sullins
Chris Davidson - City of Livermore

Wickham, Jerry, Env. Health

Hello Jerry,

This morning we received an unfortunate call from the drilling company that was scheduled to do the Sullins drilling this week. They are unable to get the supplies in time and because of the drillers already other scheduled jobs; we are forced to change the drilling date. We have discussed this change with Rita Sullins and she asked us to request a short extension that will accommodate the drilling company's availability. I am attaching the extension request to this e-mail which also notes the new drilling date of September 25, 2006. Thank you.

Jenny Weese
Office Manager



Geological Technics Inc.
1101 7th Street
Modesto, CA 95354
209-522-4119 - phone
209-522-4227 - fax
jweese@geologicaltechnics.com

8/24/2006

RO 394

R e v i s e d F A X
T R A N S M I T T A L

FROM: Jenny Weese, Office Manager

Geological Technics Inc.

DATE: August 21, 2006

1101 7th Street (office)
Modesto, CA 95354

TIME: 2:30 P.M.

Phone: 209/522-4119

Pages: 1 (including this page)

Fax: 209/522-4227

X Fax only
Original to follow in mail

TO: Mr. and Mrs. Sullins
Jerry Wickham
Chris Davidson, City of Livermore
Wyman Hong, Zone 7 Water Agency

Alameda County
AUG 21 2006
Environmental Health

Fax #: E-mailed
510-337-9335
925-960-4058
925-454-5728

3rd Change – The drilling company was able to change their schedule so we can drill sooner and meet the mandated county report deadline – see below for new drilling dates

MESSAGE:

The following drilling schedule pertains to Tony & Rita Sullins, Arrow Rentals Site located at:
187 North L Street, Livermore, CA
Fuel Leak Case No: RO0000394

DRILLING DATES:

August 24 - 30, 2006 (may be less days, if done sooner) – Install five (5) CMT monitoring wells (MW4 – MW8) (INCLUDING the weekend)

Project Geologist: Joe Angulo, Geological Technics

Contact Number: 209-522-4119

Permits: Alameda County Zone 7 Water Agency: Mailed to Wyman Hong on 8/14/06

Start Time: 8 a.m.

Workplans/Addendums: June 14, 2006 and May 26, 2006

Please call if you have any questions. Please see attached map for well locations → Sent w/1st Fax

Please Note: The information contained in this facsimile message may be privileged or confidential, and is intended only for the use of the individual named above and others who have been specifically authorized to receive it. If you are not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is hereby strictly prohibited. If you have received this communication in error, or if any problems occur with transmission, please notify us immediately by telephone.

R0394



State Water Resources Control Board



Linda S. Adams
Secretary for
Environmental Protection

Division of Financial Assistance
1001 I Street • Sacramento, California 95814
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Arnold Schwarzenegger
Governor

August 7, 2006

DON-SUL, INC.
187 L ST N
LIVERMORE, CA 94550

Alameda County
AUG 10 2006
Environmental Health

**PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 000389, PA # 10
SITE ADDRESS: 187 L ST N, LIVERMORE, CA 94550**

I have reviewed your request, received on July 20, 2006, 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 16, 2005, Geological Technics Inc.'s workplan approved by the Alameda County EHD (County) in their December 27, 2005 letter, is **\$101,274**; see the table below for a breakdown of costs. *(The total amount that has been reimbursed and approved for payment up to this point is \$ 153,391.)*

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.

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	Project Preparation	\$ 685	This cost includes all time and materials associated with Project Preparation (Obtaining Permits, USA, Etc.). Note: Copies of all permits must be submitted to the Fund at the Time of reimbursement.
2	Project Management	\$1,595	This cost includes all time and materials associated with this task.
3	Borehole/Well Installation, Logging and Sampling, Analytical, Soil Disposal & Survey	\$77,444	This cost includes all time, materials and markups associated with this task. (Install 1~100' 4~80' borings, install 5 continous multi-chambered tubing well sets in each boring, analytical, waste disposal, and survey each well) Copies fo all sub-invoices and waste disposal manifests must be submitted to the Fund at the time of reimbursement.
4	Groundwater Monitoring/Sampling - Existing Wells and Newly Installed Cluster wells for 2 events	\$11,645	This cost includes all time and materials associated with this task. Copies of all reports must be submitted to the Fund at the time of reimbursement and also be uploaded to the State Geotracker Data Base.
5	Groundwater Disposal	\$ 880	Copies of all disposal manifests must be submitted to the Fund at the time of reimbursement.
6	Data Analysis and Reporting	\$9,025	The requested cost is to prepare a comprehensive Site Characterization Report, A detailed Site Conceptual Model Report and Geotracker Upload. Copies of all reports must be submitted to the Fund.
TOTAL PRE-APPROVED		\$101,274	

* Task descriptions are the same as those identified in Geological Technics Inc.'s July 14, 2006 cost estimate.

- Only the tasks/costs reflected on the above table are pre-approved at this time. The Fund will review any tasks/costs that go beyond the pre-approved amount to be determined if the additional tasks and costs are necessary and reasonable.
- 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 Geological Technics Inc.'s 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 14, 2006 by Geological Technics Inc. for conducting the work approved by the County.

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) 341-5757

Sincerely,



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

Enclosure

Don-Sul, Inc.
Claim # 389, PA # 10

-4-

8/7/2006

cc: Jerry Wickham
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577

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 27, 2006

Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. [REDACTED] Arrow Rentals, 187 North L Street, Livermore, CA –
Feasibility Study Work Plan Approval

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the document entitled, "Feasibility Study Work Plan," dated June 28, 2006 and received by ACEH on July 3, 2006. The "Feasibility Study Work Plan," which was prepared on your behalf by Geological Techniques, Inc., proposes dual phase extraction and air sparging pilot tests. We generally concur with the proposed pilot tests provided that the technical comments below are addressed during the implementation of the DPE and air sparging pilot tests. Submittal of a revised Work Plan is not required.

We request that you address the technical comments, perform the proposed work, and send us the technical reports requested below. Submittal of the technical reports requested below is also required in order to comply with the City of Livermore's March 1, 2006 Notice and Demand for cleanup of the site under the Polanco Redevelopment Act. On July 26, 2006, ACEH and the City of Livermore Redevelopment Agency conferred on the proposed work and schedule for technical reports.

TECHNICAL COMMENTS

- Data Collection during DPE Tests.** During the DPE tests, we request that the following operating parameters are recorded on a regular basis: unit vacuum (in Hg), wellhead vacuum (in Hg), total vapor flow in standard cubic feet per minute, oxidizer influent and individual well hydrocarbon concentrations measured using a field organic vapor analyzer, and stinger depth. Newly installed monitoring wells MW-4 through MW-8 are to be used to monitor vacuum influence and groundwater levels, as appropriate, during the DPE tests. Please present the results of the data collection in the DPE and Air Sparging Pilot Test Report requested below.
- Soil Vapor Influent Samples.** In addition to the proposed laboratory analyses of soil vapor from EW-1 and system effluent, air samples of influent vapor are to be collected from each

extraction well and the system a minimum of two times during each of the proposed DPE tests. We also request that air samples be collected for laboratory analysis from well EW-1 at the beginning and end of the air sparging test in well EW-1 in addition to periodic vapor sampling by PID. The influent samples may be collected using 1-liter Tedlar bags and analyzed for BTEX using EPA Method 8021 and TPHg using EPA Method 8015 or BTEX and TPHg using EPA Method 8260. Please present the results in the DPE and Air Sparging Pilot Test Report requested below.

3. **Groundwater Monitoring.** Following shutdown of the system and recovery of water levels, groundwater samples are to be collected from wells EW-1, W-1s, W-A, W-1, W-Bs, MW-4, MW-5, MW-6, MW-7, and MW-8 and analyzed for TPHg using EPA Method 8015 and BTEX using EPA Method 8021 or BTEX and TPHg using EPA Method 8260 to evaluate conditions following extraction and provide a baseline to evaluate rebound of dissolved phase concentrations. Please present the results in the DPE and Air Sparging Pilot Test Report requested below.

TECHNICAL REPORT REQUEST

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

- **August 15, 2006** – Semi Annual Monitoring Report for the Second Quarter 2006
- **September 15, 2006** – Soil and Groundwater Investigation Report
- **October 13, 2006** – DPE and Air Sparging Pilot Test Report
- **60 days after ACEH comments on DPE and Air Sparging Pilot Test Report** – Corrective Action Plan

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

ELECTRONIC SUBMITTAL OF REPORTS

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

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the

requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

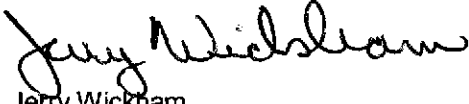
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Matt Katen, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Abdul Karim Yusufzai, UST Cleanup Fund, P.O. Box 944212, Sacramento, CA 94244-2120

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

Raynold Kablonow, Geological Technics, Inc., 1101 7th Street, Modesto, CA 95354

Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Wickham, Jerry, Env. Health

From: Davidson, Chris [cedavidson@ci.livermore.ca.us]
Sent: Thursday, July 27, 2006 3:41 PM
To: tonymrita@comcast.net
Cc: Drogos, Donna, Env. Health; Levi, Ariu, Env. Health; Wickham, Jerry, Env. Health; GYoung@Fugro.com; Goldberg, Leah; Alcalá, Jason
Subject: Meeting In September

Dear Tony and Rita,

The Agency and County met and discussed the schedule for the characterization and clean-up of 187 North L Street. As you know, both the County and the Redevelopment Agency have given your site priority, and together we are confident that we can work with you to meet the schedule requirement as codified in the Polanco Act. As part of that process, we are looking forward to meeting with you and Exxon/Mobile. The County has accepted your invitation to attend the next meeting with Exxon/Mobile. However, some of the attendees have calendar conflicts with your proposed dates during the week of August 21. Please send a couple of dates beginning in the second full week of September so a mutually convenient date and time can be scheduled to meet.

Respectfully, Chris Davidson

City of Livermore
Economic Development Department
1052 South Livermore Avenue
Livermore, CA
Office: 925.960.4143 FAX 925.906.4149

Wickham, Jerry, Env. Health

From: Davidson, Chris [cedavidson@ci.livermore.ca.us]
Sent: Monday, July 24, 2006 2:52 PM
To: Davidson, Chris; Drogos, Donna, Env. Health; Alcalá, Jason; Wickham, Jerry, Env. Health; Goldberg, Leah; Chuck Headlee; GYoung@Fugro.com; Levi, Ariu, Env. Health
Subject: RE: 187 S. L Street in Livermore

I have the Chardonnay Room booked. It is on the second floor. Chris

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

From: Davidson, Chris
Sent: Monday, July 24, 2006 2:34 PM
To: 'Drogos, Donna, Env. Health'; Alcalá, Jason; Wickham, Jerry, Env. Health; Goldberg, Leah; 'Chuck Headlee'; GYoung@Fugro.com; Levi, Ariu, Env. Health
Subject: RE: 187 S. L Street in Livermore
Importance: High

It looks like we are on for the 26th at 3:30. I have back to back meetings in Livermore. Shall we meet here at City Hall? Regards, Chris

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

From: Drogos, Donna, Env. Health [mailto:donna.drogos@acgov.org]
Sent: Monday, July 24, 2006 11:26 AM
To: Davidson, Chris; Alcalá, Jason
Cc: Levi, Ariu, Env. Health; Wickham, Jerry, Env. Health; Goldberg, Leah
Subject: RE: 187 S. L Street in Livermore

Hi Chris,

Below are some dates that work for us for a meeting at our offices. Let me know if these work for your group.

7/26 - 2pm on
8/8 - 2pm on
8/9 - 10am or 2pm on
8/10 - 2pm on
8/17 - 2pm on

We look forward to clarifying what each of our agencies needs and roles are and in the process developing a collaborative effort between our two agencies on this project that will extend to other projects as well.

This will assist us all in our mutual goal of cleaning up these contaminated properties as quickly as possible and most importantly protecting human health and the drinking water supplies of the Livermore Valley.

Ariu Levi who is the Chief of our department, will also be attending this meeting. To better facilitate identification of our agencies mutual goals for this project we request that Jason Alcalá also attend this meeting.

Additionally, I spoke to the water board and they declined to attend since this site is under ACEH regulatory oversight.

Thanks, Donna

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

From: Davidson, Chris [mailto:cedavidson@ci.livermore.ca.us]
Sent: Friday, July 21, 2006 9:29 AM
To: Drogos, Donna, Env. Health
Cc: Alcalá, Jason; Goldberg, Leah
Subject: RE: 187 S. L Street in Livermore

Donna,

That sounds great. I am looking forward to meeting with you - I think we have a few successes under our collective belts. Arrow can be another :) Regards, Chris

From: Drogos, Donna, Env. Health [mailto:donna.drogos@acgov.org]
Sent: Thu 7/20/2006 2:10 PM
To: Davidson, Chris
Subject: RE: 187 S. L Street in Livermore

Hi Chris, I'll be able to get back to you tomorrow with some dates for the meeting. With scheduled vacations & other meetings we each ended up having conflicts with the dates below. Donna

From: Goldberg, Leah [mailto:lgoldberg@meyersnave.com]
Sent: Tuesday, July 11, 2006 6:07 PM
To: Levi, Ariu, Env. Health; CHEADLEE@waterboards.ca.gov; Drogos, Donna, Env. Health
Cc: Davidson, Chris; Alcalá, Jason; gyoung@fugro.com
Subject: 187 S. L Street in Livermore

Dear Donna, Ariu, and Chuck,

I would like to propose a meeting or conference call between the Livermore Redevelopment Agency, the County, and Regional Board to discuss the next steps on this site. It appears that we are once again out of step with each other. In order to allow for redevelopment, we need to all be on the same page with this and other sites in the Downtown Livermore Area. Because things are moving forward, we the following dates and times:

July 13th between 1-3 pm
July 14th after 10:00 am
July 17th between 1-4 pm
July 28th anytime that day

Please respond and let me know what time will work for you and I will forward a call-in number.

Thank you.

Leah

Leah S. Goldberg
m e y e r s | n a v e
555 12th Street, Suite 1500
Oakland, CA 94607
510-808-2000 Phone
510-444-1108 Fax
lgoldberg@meyersnave.com

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Geological Technics Inc. 50

1101 7th Street
Modesto, California 95354
(209) 522-4119/Fax (209) 522-4227

July 14, 2006

Project No.: 1262.2
Project Name: Sullins (L Street)

Mr. Dave Charter
State Water Resources Control Board
2014 T Street, Suite 130
P.O. Box 944212
Sacramento, CA 94244-2120

Alameda County
JUL 18 2006
Environmental Health

RE: Cost Pre-Approval for Site Characterization Work
Location: Arrow Rentals, 187 N L Street, Livermore, CA
ACEH Site: R00000394; USTCFP Claim #000389

Dear Mr. Charter:

Petroleum hydrocarbons associated with former underground storage tank systems have been documented in soil and groundwater at the above site. In August 16 and December 27, 2005 letter correspondences, Alameda County Environmental Health (ACEH) staff directed that additional site investigation be conducted to address data gaps that have not been addressed. They further stated that the data gleaned from the investigation be utilized to develop a Site Conceptual Model for the 187 N L Street, Livermore property.

To accomplish these directives, Geological Technics Inc. (GTI) prepared a work plan dated May 26, 2006 with subsequent addendum. ACEH approved the work plan with conditions in a correspondence dated June 9, 2006.

Summary of Current Corrective Action Proposal

1. Alameda County Environmental Health issued August 16 and December 27, 2005, directives for additional site investigation and development of a Site Conceptual Model.
2. GTI submitted May 26, 2006 work plan for five (5) continuous multi-chambered tubing (CMT™) well sets to be placed in on site locations.
3. In a June 9, 2006 letter correspondence, ACEH approved the May 26, 2006 work plan with conditions.

Copies of the work plan and addendum's to the Work Plan, ACEH correspondence, field activities bids and an itemized budget spreadsheet of costs for performing this work are enclosed for your review.

Proposed Direction of Project

The work approved by the County is summarized below:

1. The advancement of one soil boring to a maximum depth of 100' in the vicinity of the highest documented soil contamination & four soil borings to a maximum depth of 80'.
2. The borings will be continuously logged from water table (~28 feet June 2006) to total depth per ACEH directives.
3. Obtaining soil samples from all five boreholes for laboratory analysis.
4. Install five (5) continuous multi-chambered tubing (CMT™) well sets in the borings. Each CMT™ set will have up to a maximum of five screen points.
5. Develop the new monitoring wells.
6. Place the new and four currently sampled wells on a semi-annual monitoring schedule for a period of one year.
7. Prepare a site characterization report after well installation.
8. Prepare a site conceptual model report after first sampling event of all wells.
9. Prepare two semi-annual groundwater monitoring reports.

Listed below is a proposed schedule for implementing this project.

Proposed Bidding of Project

To remain in compliance with the USTCFP, Geological Technics Inc. requested three bids from drillers, laboratories, and well surveyors

These costs have been included in the attached opinion of cost spreadsheet prepared giving estimated costs for performing the work approved by ACEH. The opinion of cost spreadsheet shows itemized cost for the tasks proposed. In an attempt to make this Pre-Approval flow smoothly, GTI has used the same unit costs for this work that has previously been approved by the USTCFP for other projects.

Geological Technics Inc. accepts field support services and lab invoices and adds a 15% overhead fee. GTI then pays these charges.

Tentative Schedule for Implementing Work

<u>Task Description</u>	<u>Schedule</u>
• Prepare USTCFP Cost Pre-Approval for work	July 2006
• Receive approval of costs from USTCFP	August 2006
• Drill, install & develop the MWs	August 2006
• Perform a groundwater monitoring event including new wells	August 2006
• Prepare a Site Characterization Report & Semi-Annual Monitoring Report	September 2006
• Prepare a Site Conceptual Model Report	November 2006

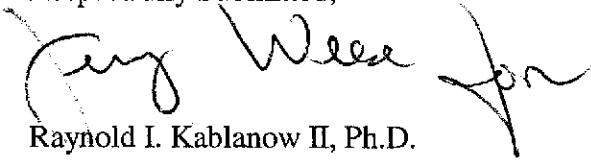
Geological Technics Inc.
Sullins (L Street)
Project No.: 1262.2
July 14, 2006

Page 3

Note: ACEH has set a deadline for the submittal of the report of findings for the field work-September 15, 2006. They have also mandated that a Correction Action Plan be submitted within 60 days after approval of the report of findings.

Thank you for your attention to this project. Call me if you have questions or need clarification. My phone number is (209) 522-4119.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Raynold I. Kablanow II". The signature is written in a cursive style with a large initial "R" and a long horizontal stroke extending to the right.

Raynold I. Kablanow II, Ph.D.
Vice President

cc: Tony & Rita Sullins
Jerry Wickham - ACEH
Chris Davidson, City of Livermore

Wickham, Jerry, Env. Health

From: Davidson, Chris [cedavidson@ci.livermore.ca.us]
Sent: Wednesday, July 12, 2006 6:28 AM
To: Drogos, Donna, Env. Health
Cc: Wickham, Jerry, Env. Health
Subject: RE: 187 South L Street

No problem. Chris

From: Drogos, Donna, Env. Health [mailto:donna.drogos@acgov.org]
Sent: Tue 7/11/2006 5:18 PM
To: Davidson, Chris
Cc: Wickham, Jerry, Env. Health
Subject: RE: 187 South L Street

Hi Chris, Please also add Jerry Wickham to your contact list for this site. He is the caseworker assigned to this site. Thanks. Donna

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

From: Davidson, Chris [mailto:cedavidson@ci.livermore.ca.us]
Sent: Tuesday, July 11, 2006 10:38 AM
To: hfangary@mwe.com
Cc: tonymrita@comcast.net; Goldberg, Leah; Drogos, Donna, Env. Health; Alcalá, Jason; Chuck Headlee
Subject: 187 South L Street

Dear Hany,

Thank you for your time discussing the site at 187 North L Street. To confirm our next steps, Agency staff will coordinate a meeting between Exxon Mobil and Mr. and Mrs. Sullins for a couple of hours during the last week of July or the first week of August to discuss possible assistance to the Sullins from Exxon Mobile to prepare a clean-up plan that anticipates closure of this site. I have included their e-mail address for your convenience: tonymrita@comcast.net. Please call me if you have any questions, 925.960.4143. Regards, Chris Davidson

Wickham, Jerry, Env. Health

From: Drogos, Donna, Env. Health
Sent: Wednesday, July 12, 2006 10:07 AM
To: Wickham, Jerry, Env. Health
Subject: FW: 187 S. L Street in Livermore

From: Goldberg, Leah [mailto:lgoldberg@meyersnave.com]
Sent: Tuesday, July 11, 2006 6:07 PM
To: Levi, Ariu, Env. Health; CHEADLEE@waterboards.ca.gov; Drogos, Donna, Env. Health
Cc: Davidson, Chris; Alcala, Jason; gyoung@fugro.com
Subject: 187 S. L Street in Livermore

Dear Donna, Ariu, and Chuck,

I would like to propose a meeting or conference call between the Livermore Redevelopment Agency, the County, and Regional Board to discuss the next steps on this site. It appears that we are once again out of step with each other. In order to allow for redevelopment, we need to all be on the same page with this and other sites in the Downtown Livermore Area. Because things are moving forward, we the following dates and times:

July 13th between 1-3 pm
July 14th after 10:00 am
July 17th between 1-4 pm
July 28th anytime that day

Please respond and let me know what time will work for you and I will forward a call-in number.

Thank you.

Leah

Leah S. Goldberg
meyers|nave
555 12th Street, Suite 1500
Oakland, CA 94607
510-808-2000 Phone
510-444-1108 Fax
lgoldberg@meyersnave.com

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7/12/2006

LIVERMORE

CALIFORNIA

June 29, 2006

Alameda County
JUN 30 2006
Environmental Health

Rita and Tony Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Re: 187 North L Street, Livermore, CA

Dear Mr. and Mrs. Sullins:

As per your request for information, please find enclosed the correspondence we have had with Exxon Mobil. Should you have any questions or comments, please do not hesitate to call me at 925.960.4143.

Respectfully submitted,



Chris Davidson

Cc: Leah Goldberg
Jason Alcala
Donna Drogos
Chuck Headlee

Ro 394

June 28, 2006

Rita and Tony Sullins
Don Sul Inc.
187 North L Street
Livermore, CA 94550

Environmental Health

JUL 20 2006

Alameda County

Re: Transmittal Letter
Site Location: Arrow Rentals
187 North L Street, Livermore, CA 94550

Dear Mr. Wickham:

On behalf of Rita and Tony Sullins, Don Sul Inc., Geological Technics Inc. (GTI) prepared the Feasibility Study Work Plan, Dual Phase Extraction & Air Sparging Pilot Test Report that was sent to your office via electronic delivery per Alameda County's guidelines on June 30, 2006.

I declare under penalty of law that the information and/or recommendations contained in the above referenced document or report is true and correct to the best of my knowledge.

Respectfully submitted,



Rita Sullins
Property Owner
Don Sul Inc.
187 North L Street
Livermore, CA 94550

June 28, 2006

Rita and Tony Sullins
Don Sul Inc.
187 North L Street
Livermore, CA 94550

Re: Transmittal Letter
Site Location: Arrow Rentals
187 North L Street, Livermore, CA 94550

Dear Mr. Wickham:

On behalf of Rita and Tony Sullins, Don Sul Inc., Geological Technics Inc. (GTI) prepared the Feasibility Study Work Plan, Dual Phase Extraction & Air Sparging Pilot Test Report that was sent to your office via electronic delivery per Alameda County's guidelines on June 30, 2006.

I declare under penalty of law that the information and/or recommendations contained in the above referenced document or report is true and correct to the best of my knowledge.

Respectfully submitted,



Rita Sullins
Property Owner
Don Sul Inc.
187 North L Street
Livermore, CA 94550

R0374

LIVERMORE

CALIFORNIA

Alameda County
JUN 30 2006
Environmental Health

June 26, 2006

Hany S. Fangary, Esq.
McDermott, Will & Emery
2049 Century Park East, 34th Floor
Los Angeles, CA 90067-3208

Re: 187 North L Street, Livermore, California

Dear Mr. Fangary:

On March 1, 2006, the Livermore Redevelopment Agency (the "Agency") sent a letter to Exxon Mobil under the Polanco Redevelopment Act ("Mobil") identifying Mobil as a responsible party under California Health and Safety Code 25323.5(a) or California Water Code 13304(a) for the contamination on the above referenced property (the "Property"). The letter required Mobil to submit a cleanup plan to the Agency within sixty (60) days pursuant to California Health and Safety Code § 33459.1.

On behalf of Mobil, you requested a thirty (30) day extension to submit a cleanup plan. The Agency granted your request with the expectation that Mobil was proceeding in good faith and needed additional time to prepare the plan. However, Mobil did not submit a clean up plan. Instead, Mobil waited until the final day of the extension to submit a letter disputing responsibility for the contamination on the Property. The dispute is not well taken, particularly in light of the operation of an Mobil gasoline station on the Property for more than eighteen (18) years. The Agency disagrees with Mobil's position. While it was the Agency's desire to work cooperatively for Mobil to remediate the Property, Mobil's attempt to avoid its responsibility to the community has caused the Agency to reconsider the posture with regard to Mobil.

This letter is to notify Mobil that it is out of compliance with the Polanco Redevelopment Act requirements.

At this time, the Agency has several options for ensuring cleanup of the Property. The statute now authorizes the Agency to prepare and implement a cleanup plan and pursue recovery of all costs, including staff time and attorneys' fees from the responsible parties. Because this Property is key to the redevelopment of the Downtown Livermore Specific Plan area, the Agency intends to have this Property cleaned up in a timely manner and is preparing to employ any and all rights and remedies entitled to it.

City Hall

1052 South Livermore Avenue
Livermore, CA 94550

phone: (925) 960-4000
fax: (925) 960-4058
TDD: (925) 960-4104

www.ci.livermore.ca.us

Exxon Mobile
Re: 187 North L Street
June 26, 2006
Page 2 of 2

Please contact me at 925.960.4143 if I have misunderstood Mobil's position or there is an opportunity to amicably address this issue.

Sincerely,



Chris Davidson

c: Leah Goldberg
Jason Alcala
Donna Drogos
Ariu Levi
Chuck Headlee

835491v1

R0394

Wickham, Jerry, Env. Health

To: Joe Angulo**Subject:** FS Work Plan well location 187 North L Street Livermore

Joe,

The revised well locations submitted for Additional Site Characterization at 187 North L Street, Livermore on June 15, 2006 address our June 9, 2006 technical comments and are approved.

With reference to the FS Work Plan for 187 North L Street, could you please provide further rationale for the proposed location of well EW-1. Well EW-1 is currently proposed in a location downgradient from the former tank pit approximately 15 feet west of well W-1. Please discuss the benefits of the proposed location versus a location closer to the known contamination in the area of W-1 and boring B-G.

Regards,

Jerry Wickham

Hazardous Materials Specialist

Alameda County Environmental Health

1131 Harbor Bay Parkway

Suite 250

Alameda, CA 94502-6577

510-567-6791 phone

510-337-9335 Fax

jerry.wickham@acgov.org

7/14/2006

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

June 9, 2006

Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. ~~PO000094~~ 94, Arrow Rentals, 187 North L Street, Livermore, CA –
Work Plan Addendum Approval

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the document entitled, "Work Plan Addendum: Additional Site Characterization," dated May 26, 2006 and received by ACEH on June 8, 2006. The "Work Plan Addendum: Additional Site Characterization," which was prepared on your behalf by Geological Techniques, Inc., proposes the advancement of five soil borings and installation, development, and sampling of five multi-channel wells screened at various depths in the aquifer. We generally concur with the proposed well installation provided that the technical comments below are addressed during the field investigation.

The Work Plan does not include a scope of work to conduct a pilot test for soil vapor extraction/air sparging, which was previously proposed in the document entitled, "Report of Findings," dated March 23, 2006. Based on the estimated mass of fuel hydrocarbons in the source area and the persistent elevated concentrations of fuel hydrocarbons in groundwater, remediation is necessary in the source area. A Work Plan to conduct interim remediation or a pilot test in the source area is to be submitted by July 9, 2006.

We request that you address the technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

1. **Well MW-4.** The proposed location and methods for installation of well MW-4 are acceptable. Perforated intervals of the multi-channel well are to be installed within coarse-grained water-bearing zones that are identified by continuous coring. Please present the results of the well installation and sampling in the Soil and Groundwater Investigation Report requested below.

2. **Soil Sampling in Wells MW-5, MW-6, MW-7, and MW-8.** The Work Plan Addendum currently proposes soil sampling at 5-foot intervals with continuous coring as necessary if significant contamination is encountered. We request that all borings be continuously cored below the water table in order to avoid penetrating a clay aquitard and to select zones for setting the perforated intervals for the multi-channel wells. The proposal to submit soil samples for laboratory analysis at a minimum of 10-foot intervals from borings MW-5 through MW-8 is acceptable; however we request that soil samples be submitted for laboratory analyses for all depth intervals where staining, odor, or elevated PID readings are observed. If staining, odor, or elevated PID readings are observed over an interval of several to tens of feet, a sufficient number of soil samples should be submitted for laboratory analyses to characterize the fuel hydrocarbon concentrations within this interval. Please present the results of the soil sampling in the Soil and Groundwater Investigation Report requested below.
3. **Location of Well MW-5.** The proposed location of well MW-5 appears to be crossgradient or upgradient from the former release from the vapor monitoring well at the 1,000-gallon UST. In order to assess the concentrations of fuel hydrocarbons remaining in soil and groundwater in this area, please adjust the location of well MW-5 as necessary to locate the well near or downgradient from the location of the former release.
4. **Location of Well MW-6.** Boring B-H was the only boring in the area of the former dispensers that contained elevated concentrations of fuel hydrocarbons. The proposed location of well MW-6 appears to be crossgradient from boring B-H and the dispensers. Please adjust the location of well MW-6 as necessary to locate the well near or downgradient from boring B-H.
5. **Location of Well MW-7.** Well MW-7 is currently proposed near the southwestern corner of the former tank pit, which places the well upgradient from most of the former tank pit. Please move proposed well MW-7 to the north northwest, to a location near previous soil boring B-2 in order to locate the well in a location that is directly downgradient from a larger area of the former tank pit.
6. **Location of Well MW-8.** Well MW-8 is proposed adjacent to well W-3s, which is identified as the "historical down gradient direction." We do not agree that well W-3s is located in a downgradient direction from the source areas. Although historic water level data have suggested that the hydraulic gradient is to the west, we suspect these data and the apparent hydraulic gradient may not be accurate. The regional hydraulic gradient in this area is to the northwest as confirmed by data from monitoring wells at numerous sites in this area. Plume migration from the nearby B&C Gas Mini Mart site is also to the northwest. The concentration of fuel hydrocarbons detected in well W-Bs, which is northwest of the source areas, typically exceeds the concentration of fuel hydrocarbons detected in well W-3s by more than an order of magnitude. Therefore, we request that downgradient well MW-8 be installed northwest of well W-Bs rather than adjacent to well MW-3s.
7. **Well Box and Surface Casing Repair and Surveying.** We concur with the proposal to survey new and existing wells in accordance with Geotracker requirements. Surface casings and well boxes must be repaired in order to secure the wells and prevent downhole contamination. Please locate the existing wells that were not previously found during site

inspection and repair the well boxes and surface casings as needed. Please document the well repairs and surveying in the Soil and Groundwater Investigation Report requested below.

8. **Geotracker EDF Submittals** - A review of the case file and the State Water Resources Control Board's (SWRCB) Geotracker website indicate that electronic copies of analytical data have not been submitted for your site. Pursuant to CCR Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, beginning January 1, 2002, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). In order to remain in regulatory compliance, please upload all analytical data (collected on or after September 1, 2001), to the SWRCB's Geotracker database website in accordance with the above-cited regulation.

TECHNICAL REPORT REQUEST

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

- **July 9, 2006** - Work Plan for Pilot Test or Interim Remediation
- **August 15, 2006** – Semi Annual Monitoring Report for the Second Quarter 2006
- **September 15, 2006** – Soil and Groundwater Investigation Report
- **60 days after ACEH approval of Soil and Groundwater Investigation Report** – Corrective Action Plan

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

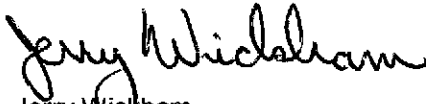
AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Rita Sullins and Jennifer Sedlacheck
June 9, 2006
Page 5

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Matt Katen, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Abdul Karim Yusufzai, UST Cleanup Fund, P.O. Box 944212, Sacramento, CA 94244-2120

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

Raynold Kablonow, Geological Technics, Inc., 1101 7th Street, Modesto, CA 95354

Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

R0394

Wickham, Jerry, Env. Health

From: Davidson, Chris [cedavidson@ci.livermore.ca.us]
Sent: Tuesday, June 06, 2006 2:45 PM
To: tonymrita@comcast.net
Cc: Alcalá, Jason; Goldberg, Leah; Drogos, Donna, Env. Health; Wickham, Jerry, Env. Health
Subject: RE: My last 2 emails

Rita,
I will be sending the items you requested. As per our last letter, we would like to have an agreement with you that puts a reliable timeline on the activities required to clean-up 187 North L Street. Please let me know if you are interested in completing the agreement by June 23rd. We would need to get started quickly to make this timeline and made need to look at other options. Regards, Chris Davidson

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

From: tonymrita@comcast.net [mailto:tonynrita@comcast.net]
Sent: Tuesday, June 06, 2006 1:15 PM
To: Davidson, Chris
Cc: Jenny Geological Tec
Subject: My last 2 emails

Hi again Chris,

I'm so surprised I haven't heard from you yet!! You and your attorney wanted to help us so bad to get Mobil in the loop to pay the 15% that the UST fund doesn't pay. Anyway two things:

You said in our last phone conversation that Mobil was going to submit a CAP plan to you by June 6th for our property. This seems like big news to me, so what happened??? Please send copies of all previous correspondence and put me on the cc list.

Also, I just want to be clear since my first email may have been a little lengthy and not to the exact point, but we requested an extension on Polanco and would like to set the guideline dates to coincide with the dates that the county is requiring for all work. I disagree with you that the county has not done a good job. I wish they would have closed the site also, but since they wouldn't, I think Jerry has been pretty fair.

Anyway, email me soon okay.

Rita

R0394

LIVERMORE

CALIFORNIA

Alameda County
MAY 24 2006
Environmental Health

May 22, 2006

Rita and Tony Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Re: 187 North L Street, Livermore, CA

Dear Mr. and Mrs. Sullins:

On March 1, 2006, the Livermore Redevelopment Agency (the "Agency") sent a letter to you, identifying you as a responsible party under California Health and Safety Code 25323.5(a) or California Water Code 13304(a) for the contamination on the above referenced property (the "Property"). The letter further required you to submit a clean up plan to the Agency within sixty (60) days pursuant to California Health & Safety Code § 33459.1. Although we received a copy of a work plan for additional investigation that your consultant, Geological Technics Inc., sent to Alameda County Health Care Services Agency, the Agency did not receive a cleanup plan from you. Therefore, you are out of compliance with the Polanco Redevelopment Act requirements.

At this time, the Agency has several options for ensuring cleanup of the Property. The statute now authorizes the Agency to prepare and implement a cleanup plan and pursue recovery of all costs, including staff time and attorneys' fees. Unfortunately, if the Agency prepares a cleanup plan and implements that plan, the Underground Storage Tank Cleanup Fund may not pay for this work. It is our understanding that the only way that you can continue to recover the cleanup costs is if you do the work. Having worked with you before, we realize that you have been working to meet the County's requirements for years. In an effort to work with you and help ensure continued eligibility for the UST Fund, the Agency is prepared to offer to work with you under an Environmental Remediation Agreement. This is an agreement whereby you agree to undertake the site investigation and cleanup in strict compliance with an agreed upon schedule.

The Agency's offer to proceed with an Environmental Remediation Agreement is conditioned upon the Agreement being executed on or before June 23, 2006. The Agency's goal is to have the property cleaned as quickly as possible. As such, the Agency does not want to engage in protracted negotiations regarding the terms of the Environmental Remediation Agreement. If you are interested in such an arrangement, kindly let me know by close of business on May 30, 2006 and I will direct our attorney to draft the agreement.

City Hall

1052 South Livermore Avenue
Livermore, CA 94550

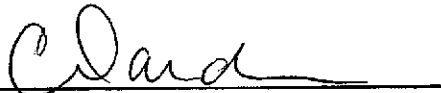
phone: (925) 960-4000
fax: (925) 960-4058
TDD: (925) 960-4104

www.ci.livermore.ca.us

Rita and Tony Sullins
187 North L Street
May 22, 2006
Page 2 of 2

Please note that until you and the Agency enter into an Environmental Remediation Agreement, neither this letter nor any communication between you and the Agency regarding the Property limits waive the Agency's right and remedies, including, without limitation, any rights under the Polanco Redevelopment Act. Should you have any questions or comments, please do not hesitate to call me at 925.960.4143.

Respectfully submitted,



Chris Davidson

Cc: Leah Goldberg
Jason Alcala
Donna Drogos
Chuck Headlee

McDermott Will & Emery

Boston Brussels Chicago Düsseldorf London Los Angeles Miami Munich
New York Orange County Rome San Diego Silicon Valley Washington, D.C.

Hany S. Fangary
Attorney at Law
hfangary@mwe.com
310.284.6157

April 21, 2006

VIA E-MAIL AND U.S. MAIL

Chris Davidson
Brownsfield Project Manager
Livermore Redevelopment Agency
1052 South Livermore Avenue
Livermore, CA 94550

Re: Notice and Demand to Prepare Plan to Remediate Property Located at
187 North L. Street, Livermore, CA

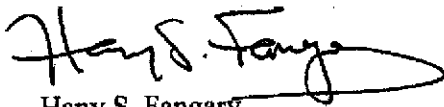
Dear Ms. Davidson:

Thank you for taking the time yesterday to discuss the Livermore Redevelopment Agency demand letter dated March 1, 2006 regarding the above-referenced property.

As I indicated yesterday, Exxon Mobil Corporation ("ExxonMobil") did not receive the letter until April 3, 2006. You graciously agreed to extend the time for ExxonMobil to respond to the letter to June 5, 2006.

Thank you for extending us this courtesy. If the above does not comport with your understanding of our agreement, please let me know immediately.

Sincerely,



Hany S. Fangary

HSF/kk

cc: Jason Alcalá, Esq. (via facsimile)
Ruth Ivory-Moore, Esq. (via e-mail)
Moye Young, Esq. (via e-mail)
Mario Reid (via e-mail)

Wickham, Jerry, Env. Health

From: Jenny Weese [JWeese@Geologicaltechnics.com]
Sent: Tuesday, April 18, 2006 3:56 PM
To: cdavidson@ci.livermore.ca.us
Cc: tonymrita@comcast.net; Wickham, Jerry, Env. Health
Subject: Mass Calculations Report for Arrow Rentals
Attachments: Untitled Attachment; RO0000394 rpt of findings 0603.pdf

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

April 14, 2006

Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. [REDACTED], Arrow Rentals, 187 North L Street, Livermore, CA

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the document entitled, "Report of Findings," dated March 23, 2006 and received by ACEH on April 6, 2006. The "Report of Findings," which was prepared on your behalf by Geological Techniques, Inc., includes a recommendation to prepare a new work plan to supplement the December 8, 2005 "Work Plan for Additional Soil and Groundwater Investigation and Other Items." Several data gaps or potential data gaps, many of which were previously identified by ACEH, were not addressed in the December 8, 2005 work plan. Therefore, the preparation of a revised work plan that fully addresses the technical comments in ACEH's previous correspondence dated August 16, 2005 and December 27, 2005 (attached) is acceptable. The requested 45-day extension from May 5, 2006 is acceptable in order to prepare the revised Work Plan. Please submit the revised Work Plan **by June 20, 2006**.

We request that you address the technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

1. **Site Conceptual Model.** We do not agree with the statement in the "Report of Findings," that a site conceptual model (SCM) cannot be prepared at this time, "due to the temporal and spatial variations in the historical groundwater and soil data points." Development of an SCM does NOT require that data do not have temporal or spatial variations nor does development of an SCM require a complete and accurate understanding of the site. In fact, is not useful to develop an SCM after site characterization is complete. The SCM process is an iterative process that involves reviewing existing data, developing working hypotheses, designing data collection to test the hypotheses, and refining the model. Site characterization is complete when the SCM is accurate and does not change as more data are collected. Development of an SCM is encouraged as a way to organize the site evaluation process, apply the scientific method, and convey thoughts and decisions to help others reach a similar conclusion but is not a requirement.

2. **Mass Balance.** A total of 31,910 kilograms of TPHg is estimated in soil based on an estimated contaminant extent of 12,422 square feet and average TPHg concentrations over 5-foot intervals to a total depth of 42.5 feet below ground surface (bgs). The highest mass of 20,672 kilograms is within the lowermost depth interval from 37.5 to 42.5 feet bgs. Please refine the mass balance estimates in future reports to include additional horizontal and vertical data, including depth intervals below 42.5 feet bgs.

TECHNICAL REPORT REQUEST

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

- **June 20, 2006** - Work Plan for Soil and Groundwater Investigation
- **120 days after ACEH approval of Work Plan** – Soil and Groundwater Investigation Report
- **August 15, 2006** – Semi Annual Monitoring Report for the Second Quarter 2006
- **60 days after ACEH approval of Soil and Groundwater Investigation Report** – Corrective Action Plan

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Rita Sullins and Jennifer Sedlacheck
April 14, 2006
Page 4

Attachments: ACEH Correspondence Dated August 16, 2005 and December 27, 2005

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Matt Katen, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Abdul Karim Yusufzai, UST Cleanup Fund, P.O. Box 944212, Sacramento, CA 94244-2120

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

Joe Angulo, Geological Technics, Inc., 1101 7th Street, Modesto, CA 95354

Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH

R0394

Wickham, Jerry, Env. Health

From: Jenny Weese [JWeese@Geologicaltechnics.com]
Sent: Thursday, April 06, 2006 5:01 PM
To: Wickham, Jerry, Env. Health
Subject: RE: 187 North L Street, Livermore

Jerry,

Thank you for your input. A response specifically to the extension is greatly appreciated – especially if we will still be held to the original deadline. Thank you,

Jenny Weese
Office Manager



Geological Technics Inc.
1101 7th Street
Modesto, CA 95354
209-522-4119 - phone
209-522-4227 - fax
jweese@geologicaltechnics.com

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]
Sent: Thursday, April 06, 2006 4:57 PM
To: Jenny Weese
Subject: RE: 187 North L Street, Livermore

Jenny,

I plan to provide comments on the report and request for schedule extension in a comment letter. If my report backlog does not allow me to produce the comment letter in the near term, I will provide feedback on the request for extension by email.

Unfortunately, the move to a paperless office is a work in progress. We plan to make closed cases available over the internet within the next few months. The open cases will not be available on the internet for some time. To request a file review, fax a request to the attention of Roseanna Garcia-LaGrille (Fax No. 510-337-9335). File reviews are conducted only on Thursdays and Fridays.

Regards,

Jerry Wickham

Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 Fax
jerry.wickham@acgov.org

From: Jenny Weese [mailto:JWeese@Geologicaltechnics.com]
Sent: Thursday, April 06, 2006 10:09 AM
To: Wickham, Jerry, Env. Health

4/6/2006

Subject: 187 North L Street, Livermore

RE: Arrow Rentals, 187 North L Street, Livermore, CA

Hello Jerry,

We have talked a couple times on the phone and sent you a mass calculations report about a week ago via the web site upload process and hard copy. I have a couple of questions:

1. In the report we asked for an extension on the field work to allow us time to submit a work plan addendum – how will you let us know if this is approved??
2. Are the reports that we and other companies upload into the web site somewhere in the county web site for us to view? (Kind of like a file review but in the web site instead of in person??) If not – what is Alameda County's procedure for requesting a file review?

Thank you for your time,

Jenny Weese
Office Manager



Geological Technics Inc.
1101 7th Street
Modesto, CA 95354
209-522-4119 - phone
209-522-4227 - fax
jweese@geologicaltechnics.com

4/6/2006

R0394

LIVERMORE

CALIFORNIA

March 1, 2006

Rita and Tony Sullins
Don Sul, Inc
187 North L Street
Livermore, CA 94550

Jennifer Sedlacheck
Exxon Mobil Corporation
4096 Piedmont Avenue, Suite 194
Oakland, CA 94611

Re: Notice and Demand to Prepare Plan to Remediate Property Located at 187 North L Street, Livermore, CA

Dear Mr. and Mrs. Sullins and Ms. Sedlacheck;

Redevelopment of the downtown area is a priority for the City of Livermore. The Downtown Specific Plan, adopted in the spring of 2004, describes the proposed redevelopment of the downtown. Arrow Rentals is located in the Downtown Livermore Redevelopment Project Area. Accordingly, the Livermore Redevelopment Agency ("Agency") is diligently working to facilitate the reuse and revitalization of this blighted area. To that end, the Agency is working with owners of contaminated properties and the regulatory agencies to ensure that these properties are cleaned up in a timely and efficient manner and that the properties are cleaned up to a proper level to allow for redevelopment uses identified in the Downtown Specific Plan.

The Agency Board therefore authorized use of the Polanco Redevelopment Act ("Act") [California Health & Safety Code section 33459 *et seq.*] on January 24, 2005 by adopting Resolution No. RA 2005-01.

In short, the Act provides a process for cleaning up properties contaminated with hazardous substances. Once a redevelopment agency determines that a parcel or parcels require cleanup, the responsible party(ies) must clean up the property, or allow the redevelopment agency to enter onto the property and clean it up. If the redevelopment agency cleans up the property, it is authorized to recover all of its costs (including attorneys' fees and staff time) from the responsible parties.

This letter is to notify you that under California Health & Safety Code section 25323.5(a) or California Water Code section 13304(a) you have been determined to be the

City Hall

1052 South Livermore Avenue
Livermore, CA 94550

phone: (925) 960-4000
fax: (925) 960-4058
TDD: (925) 960-4104

www.ci.livermore.ca.us

2006 MAR -3 PM 12:28

Rita and Tony Sullins
187 North L Street
March 1, 2006
Page 2 of 2

responsible parties for the environmental contamination of the parcel(s) located at 187 North L Street, Livermore, CA. "Pursuant to California Health & Safety Code section 33459.1, you have sixty (60) days to submit a remediation action plan and schedule to the Agency to remedy and remove the release of hazardous substances on and from the Arrow Rental property."

As required by California Health & Safety Code section 33459.1(a), notice of the Agency's intent to have these properties cleaned up in accordance with the Act and a request for cleanup guidelines has been sent to the San Francisco Bay Regional Water Quality Control Board. A copy of these guidelines will be sent to you immediately upon the Agency's receipt to assist you in drafting the clean up plan.

After submittal of the corrective action/clean up plan that is consistent with the priorities, guidelines, criteria and regulations contained in the National Contingency Plan ("NCP") (42 U.S.C. § 9605), you will have an additional sixty (60) days to agree to a schedule for implementing the clean up plan.

The Agency appreciates your cooperation. Should you have any questions or comments regarding this notice, please me at (925) 960-4143.

Respectfully submitted,



Chris Davidson
Brownfields Project Manager

cc: Leah Goldberg
Jason Alcalá
Donna Drogos
Chuck Headlee

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

December 29, 2005

Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. [REDACTED] Arrow Rentals, 187 North L Street, Livermore, CA –
Soil Gas Investigation Results

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the document entitled, "Soil Gas Investigation Report, Arrow Rentals Property," dated December 2005 (received December 21, 2005) and prepared on behalf of the City of Livermore Redevelopment Agency by Fugro West, Inc. The stated purpose of the document is to evaluate whether gasoline compounds are present in soil gas beneath the property and, if detected, to evaluate whether soil vapor concentrations represent a risk to future residential site users. The report concludes that that the site can be used for the high-density residential buildings being considered for the site and recommends that copies of the report be provided to prospective developers.

We concur that the concentrations of fuel hydrocarbons detected in soil gas at the site do not pose a risk to human health due to indoor air vapor intrusion. Technical comments on the soil gas sampling are presented below. No further shallow soil or soil gas investigation or remediation is required to address potential indoor air vapor intrusion concerns at this site. We also concur that if redevelopment plans involve soil excavation from depths of more than 5 feet below ground surface that additional site characterization may be required and that special soil handling or off-site disposal may be required.

Further investigation of the site is proposed in the "Work Plan for Additional Soil and Groundwater Investigation and Other Items," dated December 8, 2005 and prepared on your behalf by Aquifer Sciences, Inc. This investigation is required to evaluate several previously identified data gaps related to deeper soil and groundwater contamination. The scope of work proposed in the December 8, 2005 Work Plan has been conditionally approved subject to addressing our technical comments on the Work Plan in ACEH correspondence dated December 27, 2005.

TECHNICAL COMMENTS

1. **Soil Gas Sampling Results.** Total Petroleum Hydrocarbons as gasoline (TPHg) were detected in each of the five soil gas samples collected at concentrations up to 600 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). As discussed in the report, these concentrations are well below the TPHg risk-based Environmental Screening Level (ESLs) for residential use of 26,000 $\mu\text{g}/\text{m}^3$ (San Francisco Regional Water Quality Control Board February 2005). The other volatile compounds analyzed, including benzene, toluene, ethylbenzene, and xylenes, were not detected in the soil gas samples. Based on these results, we concur that residual soil gas concentrations do not pose a risk to future residential site users via the indoor air inhalation pathway.
2. **Proposed Sampling Location SG-5.** Because the SUMA canister allocated for SG-5 was used to replace a compromised SUMA canister at SG-6, no soil gas sample was collected at proposed location SG-5. ACEH had requested that a soil gas sample be collected at proposed location SG-5 in order to assess soil gas concentrations in the area of a former valve box along the former product lines. Based on the low levels of volatile fuel hydrocarbons detected in soil gas from other areas of known fuel releases at the site, no further soil gas sampling in the area of proposed location SG-5 is required.

TECHNICAL REPORT REQUEST

No technical reports are requested for shallow soil or soil gas investigation or remediation. However, the following technical reports were identified in our December 27, 2005 correspondence to present the results of investigation of deeper soil and groundwater at the site. As previously requested in our December 27, 2005 correspondence, please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **May 5, 2006** – Soil and Groundwater Investigation Report
- **60 days after ACEH Approval of Soil and Groundwater Investigation Report** – Corrective Action Plan
- **August 15, 2006** – Semi Annual Monitoring Report for the Second Quarter 2006

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

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement

Rita Sullins
Jennifer Sedlacheck
December 29, 2005
Page 3

activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

Rita Sullins
Jennifer Sedlacheck
December 29, 2005
Page 4

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Matt Katen, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Abdul Karim Yusufzai, UST Cleanup Fund, P.O. Box 944212, Sacramento, CA 94244-2120

Rebecca Sterbentz, Aquifer Sciences, Inc., 3680-A Mt. Diablo Boulevard,
Lafayette, CA 94549

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

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

December 27, 2005

Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case [REDACTED] Arrow Rentals, 187 North L Street, Livermore, CA

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the document entitled, "Response to August 16, 2005 ACEH Letter and Work Plan for Additional Soil and Groundwater Investigation and Other Items," dated December 8, 2005 and prepared on your behalf Aquifer Sciences, Inc. The stated main objective of the document is to address technical comments presented by ACEH in correspondence dated August 16, 2005. The Work Plan proposes to install four soil borings to assess the vertical extent of contamination. In the August 16, 2005 correspondence, ACEH identified several data gaps that had not been addressed during previous investigations for the site. ACEH also requested information on several items that potentially could represent data gaps. ACEH requested that these items be addressed during preparation of the Work Plan and the results presented in the Work Plan in order to plan site investigation accordingly. Similarly, the development of a Site Conceptual Model (SCM) was requested as part of the Work Plan since one of the primary purposes of the SCM is to identify data gaps that a Work Plan will address. However, the Work Plan indicates that several of ACEH's technical comments will be addressed following implementation of the field investigation and that an SCM will not be developed until field work is complete.

Please be aware that since several potential data gaps have not been evaluated prior to Work Plan preparation, additional investigation may be necessary based on the responses to the August 16, 2005 technical comments or data gaps identified in an SCM. However, in order to move the investigation forward, you may implement the proposed borings provided that the technical comments below are addressed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Analytical Data for Soil Vapor.** ACEH has reviewed the results of soil vapor sampling conducted at the site by Fugro West. ACEH comments on the soil vapor sampling will be presented in separate correspondence.

2. **Soil Sampling.** The Work Plan proposes to advance four soil borings in the source area and presumed downgradient direction. Collection of soil samples for laboratory analysis is proposed at five-foot intervals from approximately 50 to 75 feet below ground surface (bgs) but the methods for sampling and logging are not identified. We request that soil samples be screened in the field to select samples for chemical analyses. Soil samples are to be submitted for analyses for all depth intervals where staining, odor, or elevated PID readings are observed. If staining, odor, or elevated PID readings are observed over an interval of several feet, a sufficient number of soil samples from this interval should be submitted for laboratory analyses to characterize the fuel hydrocarbon concentrations within this interval. If no staining, odor, or elevated PID readings are observed in a boring, soil samples may be collected for laboratory analysis at fixed intervals of 10 feet. Please include results in the Soil and Groundwater Investigation Report requested below.
3. **Depth of Regional Aquitard.** The Work Plan does not incorporate information on the hydrogeology of adjacent sites to help plan the investigation. Prior to drilling the proposed soil borings, please review data from adjacent sites to estimate the depth to a regional clay aquitard. We request that the proposed borings be sampled and logged continuously down to the top of the aquitard to verify that the aquitard is present at your site.
4. **Grab Groundwater Sampling.** The Work Plan indicates that grab groundwater samples will be collected from the borings but does not indicate the number, depth, sampling method, or criteria to be used in selecting the intervals for grab groundwater sampling. In order to identify the depth intervals for grab groundwater sampling, the coarse-grained layers that are potential water-bearing units must be identified prior to grab groundwater sampling. Coarse-grained layers may be identified by continuous soil sampling for logging purposes or by cone penetrometer. Grab groundwater samples are to be collected from all coarse-grained layers that are potential migration pathways down to the top of the regional clay aquitard or a depth of 75 feet bgs if no regional aquitard is encountered. Grab groundwater samples are to be collected within the interval of the long screen wells in order to evaluate vertical plume distribution. The depth-discrete groundwater samples are to be collected in a boring(s) adjacent to the soil boring that was continuously logged using techniques that will prevent cross-contamination of separate water-bearing zones and contamination of the depth-discrete groundwater samples by groundwater from a shallower interval. Please include these results in the Soil and Groundwater Investigation Report requested below.
5. **Vertical Hydraulic Gradients.** Please include the assessment of vertical hydraulic gradient in the Soil and Groundwater Investigation Report requested below.
6. **Well Survey Results.** Please include the requested information regarding a well at 1962 Railroad Avenue and the updated well survey results in the Soil and Groundwater Investigation Report requested below.
7. **Cross Sections.** In future reports and work plans, please include analytical data from soil samples and groundwater samples for each of the borings and wells shown on the cross sections. The cross sections are to illustrate the lateral and vertical extent of soil layers, where groundwater was first encountered in borings and the static water levels,

observations of free product, staining, and odor, and sample locations and results. In addition, please show the screen intervals and filter packs for all wells on cross sections.

8. **Vapor Well.** Since this information was not provided in the Work Plan, please provide details on the construction of the vapor well associated with the 1985 fuel release. Show the depth and construction details for the vapor well on cross sections for the site. This information is to be included in the Soil and Groundwater Investigation Report requested below.
9. **Long Screen Wells.** Based on the data collected during the proposed field investigation, please include an assessment of whether the long screen wells at the site connect two water-bearing zones and whether groundwater sampling of the wells is providing accurate water quality data. Please include these results in the Soil and Groundwater Investigation Report requested below.
10. **Groundwater Sampling and Analyses.** No groundwater monitoring was apparently conducted at this site in 2005. We request that groundwater samples be collected from existing monitoring wells prior to or following the collection of grab groundwater samples from the proposed borings. Semi-annual groundwater monitoring is to be implemented following the proposed field investigation.

TECHNICAL REPORT REQUEST

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

- **May 5, 2006** – Soil and Groundwater Investigation Report
- **60 days after ACEH Approval of Soil and Groundwater Investigation Report** – Corrective Action Plan
- **August 15, 2006** – Semi Annual Monitoring Report for the Second Quarter 2006

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

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Rita Sullins
Jennifer Sedlacheck
December 27, 2005
Page 4

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

Rita Sullins
Jennifer Sedlacheck
December 27, 2005
Page 5

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Matt Katen, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Abdul Karim Yusufzai, UST Cleanup Fund, P.O. Box 944212, Sacramento, CA 94244-2120

Rebecca Sterbentz, Aquifer Sciences, Inc., 3680-A Mt. Diablo Boulevard,
Lafayette, CA 94549

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

R0394

Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Thursday, November 10, 2005 5:57 PM
To: 'Kevin Brown'
Cc: becky@aquifer.com; tonymrita@comcast.net
Subject: RE: Request of Extension, Arrow Rentals, Livermore, CA

Kevin,

A schedule extension to January 18, 2006 for entering the requested data into Geotracker is acceptable. Deferring the surveying of existing monitoring wells until future field activity is also acceptable.

Regards,

Jerry Wickham

Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 Fax
jerry.wickham@acgov.org

From: Kevin Brown [mailto:kbrown@aquifer.com]
Sent: Thursday, November 10, 2005 3:00 PM
To: Wickham, Jerry, Env. Health
Cc: becky@aquifer.com; tonymrita@comcast.net
Subject: Request of Extension, Arrow Rentals, Livermore, CA

Dear Jerry,

As discussed earlier today, Aquifer Sciences, Inc. requests a time extension to submit requested analytical data and permanent monitoring well point surveying data to the GeoTracker web-site for the subject property. December 9, 2005, was the submittal due date discussed in the November 3, 2005 ACHCSA letter.

We have claimed the site (#T0600100116) on GeoTracker, and we will submit the August 8, 2005 "Request for Case Closure" report as a ".pdf" file. We will make a request to the laboratory to provide ".edf" copies of all analytical reports completed after September 1, 2001, and we will submit that data as soon as it becomes available. Since much of the surveying data for existing monitoring wells is outdated and has not been presented in the format required by GeoTracker, we request that up-to-date surveying of all wells be postponed until we have completed the installation of new monitoring wells. We are in the process of preparing the *Work Plan for Soil and Water Investigation*, which is due by December 9, 2005, and that work plan will outline the scope of work necessary to complete the well surveying.

11/10/2005

If I can answer any questions about this request please let me know. Thanks for your time.

Sincerely,

Kevin Brown, CEG 2180
Senior Project Hydrogeologist
Aquifer Sciences, Inc.
3680-A Mt. Diablo Blvd.
Lafayette, CA 94549
925.283.9098
kbrown@aquifer.com

Wickham, Jerry, Env. Health

From: Young, Glenn [GYoung@Fugro.com]
Sent: Friday, November 04, 2005 10:30 AM
To: Wickham, Jerry, Env. Health
Subject: RE: Work Plan for SOil-Gas Study at Arrow Rentals in Livermore

Thank you for the quick review. We will add the additional 2 locations etc. Are you interested in being onsite for he sampling at all? If so, please plan for the 16th. Otherwise, we'll take a few photos and compile the results ASAP. Do you have vacation plans for the Thanksgiving Holiday? I anticipate the results will be reported the week after Thanksgiving.

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

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]
Sent: Friday, November 04, 2005 10:01 AM
To: Young, Glenn
Subject: RE: Work Plan for SOil-Gas Study at Arrow Rentals in Livermore

Glenn,
The work plan approval letter has been mailed out.

Regards,

Jerry Wickham
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 Fax
jerry.wickham@acgov.org

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

From: Young, Glenn [mailto:GYoung@Fugro.com]
Sent: Thursday, November 03, 2005 8:59 AM
To: Wickham, Jerry, Env. Health
Subject: Work Plan for SOil-Gas Study at Arrow Rentals in Livermore

Jerry - Please find attached the Work Plan for the subject site. Hardcopies were put in the mail COB yesterday. We have tentatively scheduled the sampling for Nov 16 to assist Signature and the Agency with their redevelopment negotiations. Please call if you have any questions. In the meantime, we will proceed with the miscellaneous planning and permitting requirements. Thanks for you assistance.

Glenn S. Young, PG
Manager, Environmental Services
Fugro West Inc.
1000 Broadway, Suite 200
Oakland, California 94607

510.267.4424 (direct)
510.268.0137 (fax)

www.fugrowest.com

<<soil gas work plan.zip>>

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



out
11/5/05
JW

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

November 3, 2005

Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. [REDACTED] 4, Arrow Rentals, 187 North L Street, Livermore, CA –
Work Plan Approval

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the work plan entitled, "Soil-Gas Work Plan," dated November 1, 2005 and received by ACEH on November 3, 2005. The work plan was prepared by Fugro West, Inc. on behalf of the City of Livermore Redevelopment Agency and Arrow Rentals to assist with redevelopment plans for the site. The work plan addresses one technical comment in ACEH's August 15, 2005 correspondence regarding soil vapor sampling at the site. Soil vapor sampling was also discussed during an October 17, 2005 meeting between Tony Sullins and Rita Sullins of Arrow Rentals, Chris Davidson and Leah Goldberg of the City of Livermore, Glenn Young of Fugro, Rebecca Sterbentz of Aquifer Sciences, and Ariu Levi, Donna Drogos, and Jerry Wickham of ACEH.

The work plan addresses soil vapor sampling but not the remaining technical comments in ACEH's August 15, 2005 correspondence. As discussed during the October 15, 2005 meeting, the remaining technical comments are to be addressed in a subsequent Work Plan, which is to be submitted by December 9, 2005.

This work plan was received by electronic mail on November 3, 2005. For future submittals, please comply with ACEH requests for electronic submittal of reports, which are described below. Please also note the requirement for a perjury statement from the responsible party. No cover letter from a responsible party was received with this document.

ACEH concurs with the proposed scope of work provided that two soil vapor sampling locations are added as discussed in the technical comments below. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below. Please provide 72-hour advance written notification to this office (e-mail preferred to jerry.wickham@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Proposed Soil Vapor Sampling Locations.** The four proposed soil vapor sampling appear to be in appropriate locations. Please include two additional soil vapor sampling locations to investigate the former pipeline trench to the dispensers. One soil vapor sample is to be collected near the former location of boring B-G and one sample is to be collected near the former valve box. The former valve box in the pipeline trench appeared to be located approximately 5 feet south and 8 feet east of the southeastern corner of the Arrow Rentals building.
2. **Proposed Sampling Methods.** The proposed sampling methods and quality control, which follow Department of Toxic Substances Control and Los Angeles Regional Water Quality Control Boards guidance, are acceptable.
3. **Geotracker EDF Submittals** - A review of the case file and the State Water Resources Control Board's (SWRCB) Geotracker website indicate that electronic copies of analytical data have not been submitted for your site. Pursuant to CCR Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, beginning January 1, 2002, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). In order to remain in regulatory compliance, please upload all analytical data (collected on or after September 1, 2001), to the SWRCB's Geotracker database website in accordance with the above-cited regulation. Please perform the electronic submittals for applicable data and submit verification to this Agency by **December 9, 2005**.

TECHNICAL REPORT REQUEST

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

- **December 9, 2005** - Work Plan for Soil and Water Investigation
- **120 days after ACEH approval of Work Plan** – Soil and Groundwater Investigation Report
- **August 15, 2006** – Semi Annual Monitoring Report for the Second Quarter 2006
- **60 days after ACEH approval of Soil and Groundwater Investigation Report** – Corrective Action Plan

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the

responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

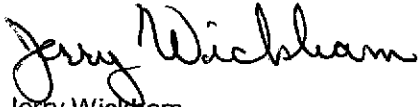
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street,
Pleasanton, CA 94566

Chris Davidson, City of Livermore, Economic Development, 1052 S. Livermore Ave.,
Livermore, CA 94550

Abdul Karim Yusufzai, UST Cleanup Fund, P.O. Box 944212, Sacramento, CA 94244-2120

Glenn Young, Fugro West, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

Rebecca Sterbentz, Aquifer Sciences, Inc., 3680-A Mt. Diablo Boulevard,
Lafayette, CA 94549

Christa Marting, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Wickham, Jerry, Env. Health

From: Davidson, Chris [cedavidson@ci.livermore.ca.us]
Sent: Friday, October 14, 2005 4:10 PM
To: Drogos, Donna, Env. Health
Cc: Wickham, Jerry, Env. Health; Levi, Ariu, Env. Health; GYoung@Fugro.com; lgoldberg@meyersnave.com
Subject: RE: Meeting to Discuss Valley Gas

Donna,
Glenn will be joining us and Leah will be available by phone. Thanks, Chris

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

From: Drogos, Donna, Env. Health [mailto:donna.drogos@acgov.org]
Sent: Fri 10/14/2005 10:51 AM
To: Davidson, Chris
Cc: Wickham, Jerry, Env. Health; Levi, Ariu, Env. Health
Subject: RE: Meeting to Discuss Valley Gas

Hi Chris, I have not heard back from you on the e-mail below re: the Arrow site.

How many folks representing the city are coming? and,
Have you questions or issues you would like to discuss.

Donna

From: Drogos, Donna, Env. Health
Sent: Tuesday, October 11, 2005 4:54 PM
To: 'Davidson, Chris'
Cc: Chuck Headlee; Levi, Ariu, Env. Health; Goldberg, Leah; Wickham, Jerry, Env. Health
Subject: RE: Meeting to Discuss Valley Gas

Hi Chris,

That's okay. Chuck & I arranged the meeting last Friday & I just received confirmation from the consultant this morning that he and Mr. Angle can make the meeting on the 25th. I had not sent out the invite yet. When I received your message re: the Oct. 25th meeting I just clarified where the meeting is & its topic. So I think we are all on the same page.

Re: Arrow, we have been trying to schedule a meeting with the RP for over a month so this is fine. I still need to know if you are attending alone or with others so we can reserve a room of the appropriate size so let me know...

Additionally, please e-mail any questions or issues you may have about the Arrow site to Jerry so we can ensure all stakeholder's issues are addressed if needed.

Thanks Again, Donna

From: Davidson, Chris [mailto:cedavidson@ci.livermore.ca.us]
Sent: Tuesday, October 11, 2005 3:50 PM
To: Drogos, Donna, Env. Health
Cc: Chuck Headlee; Levi, Ariu, Env. Health; Goldberg, Leah
Subject: RE: Meeting to Discuss Valley Gas

Donna,

I did not receive an invitation from you regarding the meeting with Mr. Angle on the 25th. Arrow made the arrangements on the meeting of the 17th and invited us.

Regards, Chris

From: Drogos, Donna, Env. Health [mailto:donna.drogos@acgov.org]
Sent: Tuesday, October 11, 2005 3:35 PM
To: Davidson, Chris
Subject: RE: Meeting to Discuss Valley Gas

Hi Chris,

The 10am meeting on Oct. 25th is at the ACEH offices. Mr. Angle & his consultant will also be present. The purpose of the meeting will be to explain the Polanco process to Mr. Angle. (This is the meeting John Wolfenden requested to be arranged with Mr. Angle & that I have been e-mailing you about arranging.)

Also, thanks for the heads up re: your attending the Arrow Rentals meeting on 10/17. Neither the caseworker nor I were aware you (& others?) were attending. Let me know who you propose to bring so that we may arrange for an appropriate size room.

Additionally, please also cc: the ACEH caseworker (myself or Jerry) on letters you send related to cases for which ACEH is the oversight agency. (It appears we were missed as a cc: on the 2008 1st St. Polanco letter.) This will ensure all of us are informed on the site & assist us in answering the questions regarding your letters that we receive from the RPs & their consultants.

Thanks, Donna

Donna L. Drogos, P.E.
LOP Program Manager
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

510-567-6721
donna.drogos@acgov.org

From: Davidson, Chris [mailto:cedavidson@ci.livermore.ca.us]
Sent: Tuesday, October 11, 2005 12:04 PM
To: Chuck Headlee; Drogos, Donna, Env. Health; Goldberg, Leah; Young, Glenn; Levi, Ariu, Env. Health
Subject: Meeting to Discuss Valley Gas

Greetings,

Last week, Chuck planned a meeting with all of us in attendance for the 25th of October at 10:am at the Water Board. I am meeting with Donna and the Arrow Rents owners on the 17th at 1:30 at the County (Donna, please send your address). Since Valley Gas has a work plan due to the City by the 24th of October, perhaps we can kill two birds with one stone and all meet at 3:30 the same day at the County? Let me know if this works for you all. Thanks, Chris

Chris Davidson
Redevelopment/Economic Development Coordinator
City of Livermore
1052 S. Livermore Avenue
Livermore, CA 94550
(925) 960-4143

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

August 16, 2005

Rita Sullins
Don Sul, Inc.
187 North L Street
Livermore, CA 94550

Jennifer Sedlacheck
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Subject: Fuel Leak Case No. [REDACTED] Row Rentals, 187 North L Street, Livermore, CA

Dear Ms. Sullins and Ms. Sedlacheck:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the Request for Case Closure, dated August 8, 2005, prepared on your behalf by Aquifer Sciences, Inc. This site is located within the Livermore Basin where groundwater is extracted for drinking water use. ACEH is concerned with the persistent elevated concentrations of petroleum hydrocarbons and constituents in groundwater. Fuel discharges at the site apparently occurred prior to 1986; however, contaminant concentrations remain elevated. During the most recent April 2004 groundwater monitoring event, benzene was detected in well MW-1s at a concentration of 3,700 micrograms per liter ($\mu\text{g/L}$), which significantly exceeds the California Primary Maximum Contaminant Level (MCL) of 1 $\mu\text{g/L}$. The vertical extent of contamination has not been fully defined and no analyses have apparently been conducted for lead scavengers in groundwater. Based on these factors and the items discussed in the technical comments below, this fuel leak case cannot be closed at this time.

This decision is subject to appeal to the State Water Resources Control Board (SWRCB), pursuant to Section 25299.39(b) of the Health and Safety Code (Thompson-Richter Underground Storage Tank Reform Act - Senate Bill 562). Please contact the SWRCB Underground Storage Tank Program at (916) 341-5851 for information regarding the appeal process

We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

1. **Table 1 - Analytical Data for Soil.** Table 1 was a useful compilation of all analytical results for soil. ACEH appreciates the presentation of analytical data in a comprehensive tabular format that allows the reader to evaluate site data.
2. **Section 3.2 - Analytical Data for Soil Vapor.** ACEH has reviewed the Woodward Clyde 1991 report and the Gribi Associates 1998 report on soil vapor sampling at the site. In

future documents for the site, please present the soil vapor sampling locations on a map that includes soil sampling locations and other site features such as the locations of former tanks and dispensers to allow a comparison of the soil vapor sampling locations to impacted area. The soil vapor sampling locations do not appear to be directly within the areas of fuel discharges to soil. Therefore, the soil vapor concentrations may not represent the highest soil vapor concentrations that will be encountered at the site.

3. **Section 5.2 – Vertical Extent of Soil and Groundwater Contamination.** The vertical extent of soil and groundwater contamination has not been fully defined for the site. The report indicates that contamination extends to less than 60 feet below ground surface (bgs). However, no soil or groundwater samples have been collected below 60 feet to confirm this. The soil boring for well MW-1 extended to a depth of 56.5 feet bgs (Woodward Clyde Consultants, 1989). Total petroleum hydrocarbons (TPH) as gasoline were detected at a concentration of 120 milligrams per kilogram in the lowermost soil sample collected at a depth of approximately 55 to 56.5 feet bgs. However, an organic vapor analyzer reading of greater than 1,000 ppm and a gasoline odor was observed in this lowermost soil sample. Based on these observations, soil contamination extends more than 56.5 feet bgs at this location. No groundwater samples have been collected at depths greater than 55 feet bgs to evaluate the vertical extent of groundwater contamination. Groundwater levels in the Livermore Basin were significantly lower than present water levels prior to 1990. Given the age of fuel releases at the site and historic depths to groundwater, petroleum hydrocarbons may have migrated a significant distance below the present water table and may be a long-term source of groundwater contamination. Soil sampling and depth-discrete groundwater sampling is to be conducted to depths greater than 60 feet bgs to define the vertical extent of contamination. Please present plans to fully define the extent of soil and groundwater contamination in the Work Plan requested below.
4. **Section 5.2 – Vertical Hydraulic Gradients.** The vertical hydraulic gradient for the site must be considered. Please include plans in the Work Plan requested below to measure vertical hydraulic gradients and to evaluate the potential for contaminants to migrate vertically.
5. **Section 6.1 – Well Survey Results.** California Well Service Well #8 is located approximately 1,850 feet west northwest of the site and is apparently the closest municipal well to the site. Well #8 does not appear to be discussed in the text or tables for the site. Well 3S/2E8R15 is discussed in the text but is not included on Table 4. The Phase I Site Environmental Assessment (Woodward Clyde Consultants 1989) discussed a domestic well located at 1962 Railroad Avenue. Please discuss the status of this domestic well and the potential for the well to be a vertical conduit for groundwater contamination from the site. Please revise the well survey to include the items discussed above and show the results of the well survey on a map or aerial photograph of the site. The revised well survey is to be included in the Work Plan requested below.
6. **Appendix A - Cross Sections.** Please show the depths of well screens and filter packs for the monitoring wells shown on cross sections.
7. **Lead Scavengers.** Ethylene dibromide (EDB) and 1,2-dichloroethane (1,2-DCA) were added to leaded gasoline prior to about 1988. These compounds are persistent in groundwater and have low MCL. Based on the age of the fuel releases at the site, lead

scavengers are likely contaminants. However, limited analyses appear to have been performed for lead scavengers in soil and no analyses appear to have been conducted for lead scavengers in groundwater. ACEH requests that the extent of lead scavengers in groundwater be defined for the site. Please present plans to define the lateral and vertical extent of lead scavengers at the site in the Work Plan requested below.

8. **Vapor Well.** Please provide details on the construction of the vapor well associated with the 1985 fuel release. Show the depth and construction details for the vapor well on cross sections for the site. This information is to be included in the Work Plan requested below.
9. **Long Screen Wells.** Several wells at the site have filter packs that are more than 25 feet in length. Please describe the current status of long-screen wells previously installed at the site. For all long-screen wells that have not been properly abandoned, please evaluate the potential for these wells to vertically connect two different water-bearing zones. These results are to be included in the Work Plan requested below.
10. **Site Conceptual Model.** The development of a Site Conceptual Model (SCM) for this site is encouraged in order to provide a framework for understanding the site conditions affecting the fate and transport of contaminants in the subsurface. A SCM is a set of working hypotheses pertaining to all aspects of the contaminant release, including site geology, hydrogeology, release history, residual and dissolved contamination, attenuation mechanisms, pathways to nearby receptors, and likely magnitude of potential impacts to receptors. The SCM is used to identify data gaps that are subsequently filled as the investigation proceeds. As the data gaps are filled, the working hypotheses are modified, and the overall SCM is refined and strengthened. Subsurface investigations continue until the SCM no longer changes as new data are collected. At this point, the SCM is said to be "validated." The validated SCM then forms the foundation for developing the most cost-effective corrective action plan to protect existing and potential receptors.

When performed properly, the process of developing, refining and ultimately validating the SCM effectively guides the scope of the entire site investigation. We have identified, based on our review of existing data, some key data gaps in this letter and have described several tasks that we believe will provide important new data to refine the SCM. We request that your consultant develop a SCM for this site, identify data gaps, and propose specific supplemental tasks for future investigations. There may need to be additional phases of investigations, each building on the results of the prior work, to validate the SCM. Characterizing the site in this way will improve the efficiency of the work and limit its overall cost.

The SCM approach is endorsed by both industry and the regulatory community. Technical guidance for developing SCMs is presented in API's Publication No. 4699 and EPA's Publication No. EPA 510-B-97-001 both referenced above; and "Guidelines for Investigation and Cleanup of MTBE and Other Ether-Based Oxygenates, Appendix C," prepared by the State Water Resources Control Board, dated March 27, 2000.

The SCM for this project shall incorporate, but not be limited to, the following:

- a) A concise narrative discussion of the regional geologic and hydrogeologic setting obtained from your background study. Include a list of technical references you reviewed,

and copies (photocopies are sufficient) of regional geologic maps, groundwater contours, cross-sections, etc.

b) A concise discussion of the on-site and off-site geology, hydrogeology, release history, source zone, plume development and migration, attenuation mechanisms, preferential pathways, and potential threat to downgradient and above-ground receptors. Be sure to include the vapor pathway in your analysis. Maximize the use of large-scale graphics (e.g., maps, cross-sections, contour maps, etc.) and conceptual diagrams to illustrate key points. Include structural contour maps (top of unit) and isopach maps to describe the geology at your site.

c) Identification and listing of specific data gaps that require further investigation during subsequent phases of work.

d) Proposed activities to investigate and fill data gaps identified above.

e) The SCM shall include an analysis of the hydraulic flow system at and downgradient from the site. Include rose diagrams for groundwater gradients. The rose diagram shall be plotted on groundwater contour maps and updated in all future reports submitted for your site. Include an analysis of vertical hydraulic gradients. Note that these likely change due to seasonal precipitation and pumping.

f) Temporal changes in the plume location and concentrations are also a key element of the SCM. In addition to providing a measure of the magnitude of the problem, these data are often useful to confirm details of the flow system inferred from the hydraulic head measurements. Include plots of the contaminant plumes on your maps, cross-sections, and diagrams.

g) Other contaminant release sites exist in the vicinity of your site. Hydrogeologic and contaminant data from those sites may prove helpful in testing certain hypotheses for your SCM. Include a summary of work and technical findings from nearby release sites and incorporate the findings from nearby site investigations into your SCM.

Report the information discussed above in your initial SCM and include it in the Work Plan requested below. Include updates to your SCM in the Soil and Groundwater Investigation Report requested below.

11. **Corrective Action Plan.** The purpose of the CAP is to use the information obtained during investigation activities to propose cost-effective final cleanup objectives for the entire contaminant plume and remedial alternatives for soil and groundwater that will adequately protect human health and safety, the environment, eliminate nuisance conditions, and protect water resources.

Please submit a Corrective Action Plan (CAP) for the final cleanup of contamination in soil and groundwater at your site by the date specified below. The CAP should be based on the results of the on-site and off-site subsurface investigation and interim remediation. The CAP must address at least three technically and economically feasible methods to restore and protect beneficial uses of groundwater and to meet the cleanup objective for each

contaminant established in the CAP. The CAP must propose verification monitoring to confirm completion of corrective actions and evaluate CAP implementation effectiveness.

12. **Geotracker EDF Submittals** - A review of the case file and the State Water Resources Control Board's (SWRCB) Geotracker website indicate that electronic copies of analytical data have not been submitted for your site. Pursuant to CCR Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, beginning January 1, 2002, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). In order to remain in regulatory compliance, please upload all analytical data (collected on or after September 1, 2001), to the SWRCB's Geotracker database website in accordance with the above-cited regulation. Please perform the electronic submittals for applicable data and submit verification to this Agency by **October 3, 2005**.

TECHNICAL REPORT REQUEST

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

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FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). Please visit the State Water Resources Control Board for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

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PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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UNDERGROUND STORAGE TANK CLEANUP FUND

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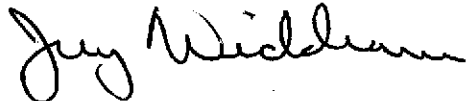
AGENCY OVERSIGHT

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Rita Sullins and Jennifer Sedlacheck
August 16, 2005
Page 7

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

Abdul Karim Yusufzai
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Thomas Neely
Aquifer Sciences, Inc.
3680-A Mt. Diablo Boulevard
Lafayette, CA 94549

Donna Drogos, ACEH
Jerry Wickham, ACEH

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



File

May 2, 2005

Rita Sullins
Arrow Rentals
187 North L St.
Livermore, CA 94550

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

Dear Ms. Sullins:

Subject: Fuel Leak Case No. RO0000394, Arrow Rentals, 187 North L St., Livermore, CA
– Response to Request for Case Closure

Alameda County Environmental Health (ACEH) has reviewed your April 26, 2005, *Request for Case Closure* prepared by Aquifer Sciences, Inc., for the above-referenced site. Aquifer Sciences requests review of the site for closure. Prior to your case being considered for closure, please be advised that the following State Water Board "low risk" criteria must be met. Please review all reports for the site. If you feel that your site meets the following state requirements for a "low risk" site, then submit a stand-alone document specified below for our office review. Please note that your April 26, 2005, request did not include the supporting documentation described below. This documentation will facilitate our review of your case; however, please be advised that submittal of all documentation specified in this letter does not guarantee that ACEH will concur that the site meets the following "low risk" criteria.

LOW RISK requirements:

1. Leak stopped, on-going source, including free product removed
2. Site adequately characterized
3. Plume not migrating
4. No sensitive receptors impacted
5. No significant risk to human health
6. No significant risk to environment
7. Water quality objectives to be achieved within a reasonable time frame

Please be advised that a stand-alone document must include a site conceptual model (SCM), which incorporates the following items:

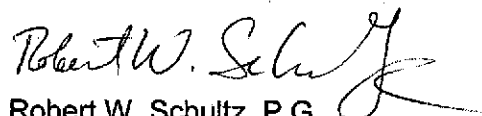
- Summary Figures
 - Site vicinity map showing the site location and identification of any nearby sensitive receptors.
 - Plot plan showing all historical sampling locations. Differentiation between sample types (i.e. excavation soil samples, soil boring locations, soil vapor sampling points, monitoring wells, etc.) is required. This figure also needs to include any former and existing UST system components, delineation of excavation areas, areas targeted by

active remediation, building locations, potential preferential pathways such as utilities, property boundaries and public right-of-way locations.

- Depth-specific contaminant isoconcentration maps for soil and groundwater. If active remediation was performed, separate pre-remediation and post-remediation isoconcentration maps are required.
- Summary Tables
 - Table of all historical soil data. Sample ID, date, depth, results for all analytes and detection limits for all "non-detect" results are required. Please refer to the Tri-Regional Guidelines to confirm that chemical analysis was performed for all relevant contaminants of concern (CoCs). Pre- and post-remediation concentrations should be clearly identified or presented in separate tables.
 - Table of all historical groundwater data. Sample ID, date, depth to water, groundwater elevation, screening interval, results for all analytes, detection limits for all "non-detect" results. Pre- and post-remediation concentrations should be clearly identified or presented in separate tables.
 - The tables need to compare the detected CoC concentrations with the Regional Board's Environmental Screening Levels (ESLs) or other appropriate cleanup levels and to the water quality objectives identified in the Regional Board's Basin Plan.
- Complete set of all boring logs generated during site investigation.
- Geologic cross-sections showing soil borings, monitoring wells with screened intervals, UST locations, any preferential pathways, excavation boundaries, water table elevations (historical and current) and extent of residual contamination.

The above stand-alone document will help to expedite the review of your case. Additional guidance for preparation of case closure packages can be found in the recent version of the Tri-Regional Guidelines, prepared by the RWQCB-CVR, *Appendix A – Reports Tri - Regional Board Staff Recommendations For Preliminary Investigation And Evaluation Of Underground Tank Sites* dated April 16, 2004. This document can be obtained via the internet at: <http://www.waterboards.ca.gov/centralvalley/>. ACEH considers guidance from Federal and State agencies, including the RWQCB-SFBR, the DTSC and the RWQCB-CVR, in determining appropriate corrective action needs for fuel or hazardous materials release sites in Alameda County. Please contact me at 510-567-6719 or robert.schultz@acgov.org to receive document samples to help you prepare the stand-alone document, if you are requesting a closure review.

Sincerely,



Robert W. Schultz, P.G.
Hazardous Materials Specialist

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

RO0000394

June 10, 2002

Mrs. Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

RE: Semi-Annual Monitoring at 187 North L Street, Livermore, CA

Dear Mrs. Sullins:

I have completed review of Aquifer Sciences, Inc's May 2002 *Semi-Annual Groundwater Monitoring Event 2002* report prepared for the above referenced site. Monthly monitoring (Feb to April 2002) of well W-1s did not reveal the presence of free product (as was noted in November 2001). Groundwater from wells W-1s and W-Bs continues to contain elevated levels of TPHg and benzene constituents.

Groundwater elevation in the Livermore Basin has varied greatly, depending on the amount of water recharge to the aquifer. The change in groundwater elevation often correlates to great changes in contaminant concentrations detected in monitoring wells. Groundwater in the Livermore Basin is also a source of potable water. For these reasons, groundwater monitoring/sampling should continue on a semi-annual basis, and not on an annual basis as recommended by Aquifer Sciences. Groundwater from wells W-1, W-B and W-3 should be sampled in the 1st and 3rd quarters of each year until further notice. In addition, well W-E should be sampled annually, in the 1st quarter of each year.

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

eva chu
Hazardous Materials Specialist

email: Tom Neely
Rebecca Sterbentz

Chu, Eva, Env. Health

From: Chu, Eva, Env. Health
Sent: February 06, 2002 12:00 PM
To: 'Sterbentz, Becky'
Subject: 187 North L Street, Livermore, CA

Hi Becky,

In this morning's conversation you expressed some concern that a workplan to remediate groundwater is required for the above referenced site (refer to my January 25, 2002 letter). You were under the impression that groundwater monitoring was adequate for the site. The request for a remediation action plan was based on the fact that groundwater concentrations exceeded the SSTLs calculated for the site and that free product is still detected in groundwater.

We concluded that the workplan may be delayed until we see groundwater results from April 2002. If inadequate water are in the shallow wells, the deep wells will be sampled. In your submittal of the groundwater monitoring report in May 2002, you will include recommendations as to whether remediation is warranted for the site.

In the meantime, please check well W-1s for free product on a monthly basis. Product removal is required immediately if the thickness is measurable.

evachu

Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
(510) 567-6762
(510) 337-9335 fax

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

RO0000374

January 25, 2002

Mrs. Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

RE: Groundwater Monitoring at 187 North L Street, Livermore, CA

Dear Mrs. Sullins:

I have completed review of Aquifer Sciences, Inc's December 2001 *Semi-Annual Groundwater Monitoring, November 2001* report prepared for the above referenced site. During the November 2001 sampling event, groundwater was measured at depths of approximately 43 feet below top of casing (TOC), or near the bottom of wells W-1s, W-3s and W-Es. Wells W-3s and W-Es did not contain sufficient water for purging or sampling. In the future, if groundwater levels drop below 40 feet below TOC, the other onsite wells (W-A, W-1, and W-B) should be sampled instead.

Also 0.14 feet of floating product was measured in well W-1s in November 2001. Whenever free product is measurable, interim corrective action should be implemented to remove free product. Interim reports of free product removal should be submitted quarterly for review.

Finally, after eight years of monitoring, petroleum hydrocarbon concentrations remain elevated in groundwater. Since groundwater within the Livermore Basin is a source for potable water it is necessary that a remedial action plan be prepared for the cleanup of groundwater beneath the site. You may wish to reconsider the dual-phase extraction system proposed by Woodward-Clyde in 1994 or any other appropriate remediation system. Please submit a remedial action plan for review within 90 days of the date of this letter, or by **April 29, 2002**.

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

eva chu
Hazardous Materials Specialist

email: Beck Sterbentz, Aquifer Sciences
Danielle Stefani, Livermore-Pleasanton Fire Dept.



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

San Francisco Bay Regional Water Quality Control Board



Gray Davis
Governor

Internet Address: <http://www.swrcb.ca.gov>
1515 Clay Street, Suite 1400, Oakland, California 94612
Phone (510) 622-2300 FAX (510) 622-2460

TO: Eva Chu
Alameda County Health Agency

FROM: Roger Brewer
Toxics Cleanup Division

DATE: July 16, 2001

SUBJECT: Review of Risk Assessment for Don-Sul, Inc., 187 North L Street, Livermore, CA.

Below are comments on the April 30, 2001, risk assessment for the Don-Sul, Inc., property at 187 North L Street in Livermore. To summarize, additional information and revisions need to be made in order to finalize review of the risk assessment. A better summary of gasoline impacts to vadose-zone soils needs to be included, as does information on the depth and design of the vapor well where fuel was inadvertently discharged. Methods used to calculate the final risk-based remediation goals (Tables 10-14) need to be discussed. Commercial-based groundwater remediation goals presented in Tables 10 and 11 for drinking water concerns are inappropriate, established drinking standards and goals should be used (e.g. primary and secondary MCLs). The cancer slope factors for benzene should be adjusted to CalEPA factors and the target risk level for benzene should be set to 10^{-6} for residential land use. (Adjusting the proposed residential soil cleanup levels for benzene to CalEPA slope factors and a target risk of will, however, seemingly yield a soil cleanup level lower than our own risk-based screening level and the correlative USEPA Preliminary Remediation Goals. I haven't taken the time to determine why this happens.)

When revised, the final soil and groundwater remedial goals proposed under a deed restriction scenario for groundwater use (Tables 12-14) should be adequate, provided that potential offsite groundwater impacts are acceptable (based on monitoring). I have not reviewed the groundwater data for the site in detail, however. Soil and groundwater cleanup levels for Total Petroleum Hydrocarbons also need to be proposed. This site could have made better use of our RBSL document to speed up the risk assessment review and revision process.

- 1. Section 3.0. Environmental History - Provide a summary of the extent and magnitude of impacted vadose-zone soil, including a representative cross section; relate this to the depth and design of the vapor well; denote impacts in the groundwater smear zone.** Impacts to vadose-zone soils are not adequately described. The text states that impacts do not exceed beyond a depth of 60 feet bgs but no borings, data, etc. are presented to support this conclusion.
- 2. Section 6.4, Table 5. Toxicity Criteria - Use CalEPA cancer slope factors for benzene.**
- 3. Section 7.0. Evaluation of Health Risks - Assume a target risk of 10^{-6} for residential use of the site.** Use of a 10^{-5} is acceptable for commercial use of the site.
- 4. Section 7.0 - Evaluation of Health Risks indoor-air model not applicable is free product is present.** The indoor air model can only be used in the absence of free product. If free product is present (as apparently it is), soil gas data should be included in the evaluation (see comment 5).

September 25, 2000
971275

Ms. Eva Chu, Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

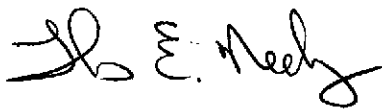
Subject: Addendum to Risk Assessment
Arrow Rentals, 187 North L Street, Livermore, California

Dear Ms. Chu:

Thank you for meeting with us today to discuss the risk assessment for the Arrow Rentals site located in Livermore, California. As you requested, we will provide supplemental information concerning the development of the risk assessment. In addition, we will evaluate the indoor air inhalation scenario using the data from an alternate group of sampling points. We will compare the two sets of remediation goals, and discuss with you our conclusions and recommendations.

Please call us if you have any questions.

Respectfully yours,

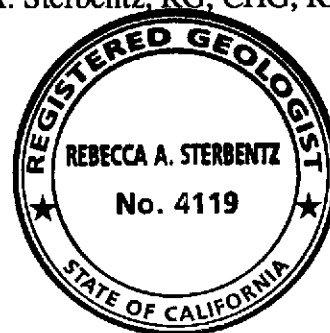


Thomas E. Neely, REA
Hydrogeologist



Rebecca A. Sterbentz, RG, CHG, REA
President

cc: Rita Sullins, Arrow Rentals



4/5/01 Need more time for RA - Not sure
when I'll get it

October 15, 1999
971275

Ms. Eva Chu, Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

ENVIRONMENTAL
PROTECTION
99 OCT 18 PM 4:53

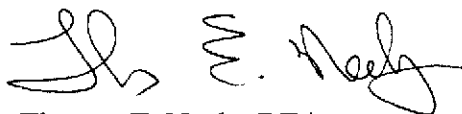
Subject: Extension of Deadline for Risk Assessment Submittal
Arrow Rentals, 187 North L Street, Livermore, California

Dear Ms. Chu:

This letter confirms our telephone conversation of October 13, 1999. We requested an extension of the due-date for submittal of the risk assessment for the Arrow Rentals site located in Livermore, California. The new due-date is January 23, 2000.

Please call us if you have any questions.

Respectfully yours,



Thomas E. Neely, REA
Hydrogeologist



Rebecca A. Sterbentz, RG, CHG, REA
President

cc: Rita Sullins, Arrow Rentals



Extension OK - 7/28/99

July 26, 1999
971275

Ms. Eva Chu, Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: Extension of Deadline for Risk Assessment Submittal
Arrow Rentals, 187 North L Street, Livermore, California

Dear Ms. Chu:

We are requesting an extension of the due date for the submittal of the risk assessment for the Arrow Rentals site in Livermore. We are requesting a 60-day extension to September 24, 1999.

Please call us if you have any questions.

Respectfully yours,



Thomas E. Neely, REA
Hydrogeologist



Rebecca A. Sterbentz, RG, CHG, REA
President

cc: Rita Sullins, Arrow Rentals



99 JUL 27 PM 3:23

ENVIRONMENTAL
PROTECTION

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
594	227 7600	06-02 08:15	00' 42	01/01	OK		

7499402045

Jim GIBBONEY

State of California
 Department of Water Resources
 Central District
 3251 S Street
 Sacramento, CA 95816-7017

**WELL DRILLER'S REPORTS
 INSPECTION REQUEST AND AGREEMENT**

Project: Arrow Rentals

Location: 187 north "L" Street, Livermore, California 94550

County: Alameda **Contract Number:** 971275

SWRCB Claim # 389

Request is made pursuant to Section 13751 of the California Water Code for permission to inspect or copy Water Well Driller's Reports which are on file in your office.

In accordance with the requirements of Section 13752 of the Water Code, it is stipulated and agreed that such reports, or any copy or copies made thereof, will not be made available for inspection by the public but will be used solely by this governmental agency for making studies. If copies are made or taken, each copy will be stamped "CONFIDENTIAL" or "FOR OFFICIAL USE ONLY" and will be kept in a restricted file, access to which is limited to the staff of this governmental agency or to its contracted agents. Any copies furnished to contracted agents must be returned to the Department of Water Resources, Central District upon completion of work by the contracted agent.

No information contained in these reports can be disseminated or published without the written permission of the owner of the well.

Aquifer Sciences, Inc.
 Contracted Agent

Alameda County Health Care Services Agency
 Governmental Agency

3680-A Mt. Diablo Blvd.
 Address

1131 Harbor Bay Parkway, Suite 250
 Address

Lafayette, CA 94549
 City, State, & Zip Code

Alameda, CA 94502
 City, State & Zip Code

May 26, 1999
971275

Ms. Eva Chu, Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

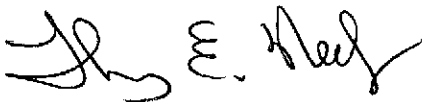
Subject: Extension of Deadline for Risk Assessment Submittal
Arrow Rentals, 187 North L Street, Livermore, California

Dear Ms. Chu:

As we discussed today, you have granted our request to extend the due date for the submittal of the risk assessment for the Arrow Rentals site in Livermore. The new due date is July 26, 1999, 60 days from the date of this letter.

Please call us if you have any questions.

Respectfully yours,



Thomas E. Neely, REA
Hydrogeologist



Rebecca A. Sterbentz, RG, CHG, REA
President

cc: Rita Sullins, Arrow Rentals



99 MAY 28 PM 4:49
ENVIRONMENTAL PROTECTION

May 26, 1999
971275

Ms. Eva Chu, Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: Well Survey
Arrow Rentals, 187 North L Street, Livermore, California

Dear Ms. Chu:

We are in the process of conducting a well survey in the vicinity of 187 North L Street in Livermore. To accomplish this task, we will review records at the Department of Water Resources (DWR) in Sacramento and Alameda County Zone 7. DWR requires us to obtain authorization from the agency overseeing the environmental case. The attached DWR form is the inspection request for well driller's reports. We have completed the form with information for Aquifer Sciences.

1. Please sign and date the form in the space provided to authorize DWR to allow us to review the records.

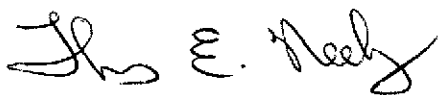
2. Please fax the signed form to: Jim Gibboney
DWR
(916) 227-7600 (fax)

3. Please return a copy of the signed form to me.

4. Please mail the original signed form to: Jim Gibboney
DWR
Central District
3251 S Street
Sacramento, CA 95816-7017

Thanks for your assistance.

Respectfully yours,



Thomas E. Neely, REA
Hydrogeologist

99 JUN -1 AM 10:06

ENVIRONMENTAL
PROTECTION



State Water Resources Control Board

Division of Clean Water Programs

2014 T Street • Sacramento, California 95814 • (916) 227-
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

Winston H. Hickox
Secretary for
Environmental
Protection

May 20, 1999

Don-Sul, Inc.
187 North L Street
Livermore, CA 94550

Attention: Rita Sullins

**PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 389,
SITE ADDRESS: 187 NORTH L STREET, LIVERMORE**

99 MAY 25 PM 4:46
ENVIRONMENTAL
PROTECTION

I have reviewed your request, received on May 4, 1999 for pre-approval of corrective action costs; I will place these documents in your file for future reference. 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 actions costs.

With the following provisions, the **total cost pre-approved** as eligible for reimbursement is up to **\$9,880**. The cost proposal for this work by Aquifer is approved for eligible costs as submitted. Note that a complete breakdown of costs must be submitted with Reimbursement Request.

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 local regulator 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.***

- 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 ACHCS.
- 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 Aquifer 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.

California Environmental Protection Agency

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 future necessary corrective action work.

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 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 (includes lab invoices)*
- *technical reports, when available, and*
- *applicable correspondence from ACHCS.*

Please call if you have any questions; I can be reached at (916) 227-7883.

Sincerely,



Mark Owens, Water Resources Control Engineer
Technical Review Unit
Underground Storage Tank Cleanup Fund

cc: Ms. Eva Chu, ACHCS, Alameda



ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

StID 4132

April 26, 1999

Mrs. Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

RE: Workplan approval for 187 North L Street, Livermore, CA

Dear Mrs. Sullins:

I have completed review of Aquifer Sciences, Inc's April 1999 *Work Plan for Risk Assessment* prepared for the above referenced site. The proposal to conduct a well survey, evaluate hydrogeologic data, and perform a risk assessment utilizing site-specific and hydrogeologic data is acceptable. Because the contaminant plume has migrated offsite, both on-site and off-site scenarios should be evaluated in the risk assessment. Both current use scenario and future use scenario should be considered in the evaluation. Representative soil concentration should be obtained from soil data collected only from the vadose zone. And representative groundwater concentration should be data collected from the most recent four quarterly sampling events.

The risk assessment is due to this office 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

c: Thomas Neely
Aquifer Sciences, Inc
3680-A Mt. Diablo Blvd
Lafayette, CA 94549

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 4132

March 15, 1999

Mrs. Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

RE: Cleanup Levels for 187 North L Street, Livermore, CA

Dear Mrs. Sullins:

Thank you for the recent submittal of Aquifer Sciences, Inc's December 1998 *Semi-Annual Groundwater Monitoring* and Gribi Associates' November 1998 *Report of Soil Vapor Sampling* reports prepared for the above referenced site. I have completed review of these reports and it appears from the soil vapor study that hydrocarbon vapors in shallow soil does not pose a significant risk to human health for indoor or outdoor exposure routes. However, concentrations of gasoline constituents in groundwater continue to be elevated.

At this time, a risk analysis should be prepared for the site to determine site specific cleanup levels that will prevent the leaching of contaminants in soil to groundwater and the migration of contaminants into unaffected water. When site specific target levels are reached, the plume is not migrating, and the plume is naturally degrading, then the site can be evaluated for site closure. The risk assessment workplan is due to this office within 60 days of the date of this letter, or **by May 17, 1999**.

In the meantime, please adhere to the semi-annual sampling schedule for wells W-1s, W-3s and W-Bs, and the annual sampling of well W-Es. Groundwater should be analyzed for TPHg, TPHd, BTEX, and MTBE. **Silica gel cleanup** should be performed on water sample extracts prior to the use of Method 8015 analysis for TPHd. Lastly, the groundwater sample exhibiting the highest TPHd concentration should also be analyzed for PNAs.

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

eva chu
Hazardous Materials Specialist

arrow11

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 4132

August 14, 1998

Mrs. Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

RE: Workplan Approval for 187 North L Street, Livermore, CA

Dear Mrs. Sullins:

I have completed review of Gribi Associates' August 1998 "Workplan to Conduct Soil Vapor Sampling" at the above referenced site. The proposal to collect soil vapor samples, using summa canisters, at two locations at approximately three feet below surface grade is acceptable. Field work should commence 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: James Gribi
884 Vintage Ave
Fairfield, CA 94585

arrow10

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



StID 4132

June 19, 1998

Mrs. Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

ENVIRONMENTAL HEALTH SERVICES

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

RE: Risk Assessment and Monitoring Report for 187 North L Street, Livermore, CA

Dear Mrs. Sullins:

I have completed review of Environmental Sampling Services' June 1998 Semi-Annual, April 1998 Report for the above referenced site. This report documents the sampling of groundwater from monitoring wells W-1s, W-3s, and W-Bs.

The next sampling event should be in October 1998. For that sampling event, groundwater from monitoring well W-Bs should be analyzed to Polynuclear Aromatics (PNAs) and for MTBE using EPA Method 8260. Subsequent reports should include a historic table of groundwater analytical results and depth to groundwater.

In my October 8, 1997 letter to you, I requested that a risk assessment workplan be submitted to this office for review. The workplan was due by December 1997. To date I have not received the workplan. This is a second request for technical reports pursuant to Title 23, CCR, Section 2722(c). A workplan should be submitted by **July 30, 1998**. 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

c: Stephen Penman, ESS, 6680 Alhambra Ave, #102, Martinez, CA 94553

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 4132

October 8, 1997

Mrs. Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

RE: Risk Assessment for 187 North L Street, Livermore, CA

Dear Mrs. Sullins:

I have completed review of Environmental Sampling Services' Quarter 1 Groundwater Sampling Event July 1997 report for the above referenced site. Groundwater from wells W-1s, W-3s, and W-Bs continue to exhibit elevated concentrations of TPH as gasoline and diesel, and BTEX.

At this time the sampling frequency of wells W-1s, W-3s, and W-Bs may be reduced from a quarterly to a semi-annual basis. These wells should be sampled in the 1st and 3rd quarter of each year. And well W-Es should be sampled annually, during the 3rd quarter of each year. Groundwater should be analyzed for TPHg, TPHd, BTEX, and MTBE. The next sampling event should also include the analysis for total lead in groundwater from well W-1s.

In addition, a risk analysis should be prepared to determine if residual soil and groundwater contamination poses a risk to human health. ASTM's Risk-Based Corrective Action Tier 2 process is one of many risk analyses available. A risk assessment proposal is due to this office within 60 days of the date of this letter, or by December 9, 1997.

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

eva chu
Hazardous Materials Specialist

ENVIRONMENTAL
CRA
97 JUN 17 PM 1:05



Dear Eva,

June 16, 1997

Enclosed are the brochures
I promised to send to you.

Sincerely,

Pete Sullins

① Can they do QMFS
site plan
gradients
ISO concentration maps,
can work be reviewed by
RG/PE/CEG ?



May 2, 1997



Pete Wilson
Governor

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) [Phone #]
FAX (916) 227-4530

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

Ms. Rita Sullins
Don-Sul, Inc.
187 North L Street
Livermore, CA 94550

Dear Ms. Sullins:

PRE-APPROVAL OF CORRECTIVE ACTION COSTS, Claim No. 389, 187 North L Street, Livermore, CA

I have reviewed your request, received on April 29, 1997, for pre-approval of corrective action costs.

With the following provisions, the total cost pre-approved as eligible for reimbursement is **\$3,114**; see the table below for a breakdown of the costs. This amount is pre-approved for one year of monitoring or as directed by Alameda County Environmental Health Department (County). If these costs seem unreasonable to you and/or not acceptable, please obtain additional competitive bids for this proposed work.

*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.*

COST PRE-APPROVAL BREAKDOWN		
Task	Amount Pre-Approved	Comments
Task 1 - Well Sampling and Analysis	\$1,278	Hourly rate for technician reduced to \$50/hr; lab samples reduced to \$75/sample.
Task 2 - Reporting	\$1,080	Senior Consultant hourly rate reduced to \$110/hr; clerical hourly rate reduced to \$40/hr
Task 3 - Waste Disposal	\$756	55-gallon drum transportation and disposal reduced to \$100/ea unless it can be demonstrated that the purged water needs to be disposed at an alternate facility.
TOTAL PRE-APPROVED	\$3,114	

Ms. Rita Sullins

-2-

- The actual costs and scope of work performed must be consistent with this 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 obtain at least three bids and request pre-approval of costs on the new scope of work.

Please remember that it is still necessary to submit the actual cost 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, and*
- *applicable correspondence from the County.*

Please call me at (916) 227-0747 if you have any questions..

Sincerely,



Linda Sanborn, Technical Review Analyst
Underground Storage Tank Cleanup Fund Program

Enclosure

cc: Eva Chu ✓
Alameda County Environmental Health
Department
1131 Harbor Bay Pkwy, 2nd Floor
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
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

StID 4132

December 31, 1996

Mrs. Rita Sullins
Arrow Rental
187 North L Street
Livermore, CA 94550

RE: QMR at 187 North L Street, Livermore, CA

Dear Mrs. Sullins:

I have completed review of Woodward-Clyde's December 1996 Quarterly Monitoring report for the above referenced site. The results of the November 1996 sampling event compared with the March 1996 sampling event showed an increase in TPHg and BTEX concentrations in wells W-Es, W-1s and W-Bs. Also noted is that the depth to groundwater decreased ~8 to 10' since March 1996.

Your consultant recommended that future groundwater monitoring be performed on a semi-annual schedule. However, since there appears to be substantial seasonal groundwater fluctuation at the site, groundwater should be monitored/sampled over an entire year (four quarters) before a reduced sampling schedule can be considered. Therefore, quarterly sampling should continue until further notice.

The next sampling event should include the analysis for TPHd in wells W-1s, W-3s and W-Bs, in addition to TPHg, BTEX, and MTBE. Diesel was identified in wells W-1 and W-3 in May 1989. The quarterly report should also include historic groundwater data incorporated into one table to easily identify contaminant concentration trends and changes in depth to water. Your cooperation in this matter is greatly appreciated.

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

eva chu
Hazardous Materials Specialist

c: Al Ridley, WCC, 500 12th St, Suite 100, Oakland, CA 94607

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

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

StID 4132

September 11, 1996

Mrs. Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

RE: Workplan Approval for 187 North L Street, Livermore, CA

Dear Mrs. Sullins:

I have completed review of Woodward-Clyde's August 1996 Work Plan to Perform Quarterly Monitoring at the above referenced site. The proposal to initiate a round of groundwater sampling of wells W-Es, W-1s, W-Bs, and W-3s is acceptable. Based on the analytical results a reduced schedule for monitoring may be requested by your consultant. A report summarizing field activities should include, among others, gradient and iso-concentration maps, field data sheets, chain of custody forms, conclusions and recommendations.

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

eva chu
Hazardous Materials Specialist

c: Al Ridley, WCC, 500 12th Street, Suite 100, Oakland 94607
files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6777

StID 4132

July 26, 1996

Mrs. Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

RE: Quarterly Monitoring at 187 North L St, Livermore

Dear Mrs. Sullins:

I have completed review of Woodward Clyde's May 1996 Installation and Sampling of Replacement Monitoring Wells report for the above referenced site. The wells were installed and sampled in March 1996.

At this time, a quarterly monitoring schedule should be established for the replacement wells W-Es, W-1s, W-Bs, and W-3s. This schedule should be implemented immediately. Quarterly monitoring reports are due within 60 days upon completion of field work.

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

eva chu
Hazardous Materials Specialist

c: Al Ridley, WCC, 500 12th St, #100, Oakland, CA 94607-4014
files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ARNOLD PERKINS, DIRECTOR
RAFAT A. SHAHID, DEPUTY DIRECTOR

StID 4132

January 19, 1996

Mrs. Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

DEPARTMENT OF PUBLIC HEALTH
499 Fifth Street
Oakland, California 94607
(510)

*2/14/96 can drop well by W-2
and install one by W-E -
Relayed info to Al Ridley*

RE: Construction of New Wells at 187 North L St, Livermore

Dear Mrs. Sullins:

Thank you for the submittal of Woodward Clyde's (WCC) December 1995 "Report of Remedial Activities Since January 1994" for the above referenced site. This report included laboratory analytical results of the groundwater sampling event performed in September 1995, and also included the results of the Dual Phase Pilot Test performed in March 1994.

Base on the pilot test performed, the estimated conductivity for this site was calculated at about 6×10^{-4} cm/sec, which is consistent with a sand aquifer material. A capture zone of at least 50' was observed. The effectiveness of soil vapor extraction could not be evaluated since groundwater level in the wells were all above the screened interval of the well casings.

WCC proposed the construction of four new groundwater wells with screened intervals to reflect current groundwater elevations. Cleanup levels will be determined using the ASTM Risk Based Corrective Action method following evaluation of laboratory analyses of groundwater samples from these new wells. If deemed necessary, another dual-phase extraction pilot test may be performed with the new wells.

This proposal is acceptable and field activities should commence within 45 days of the date of this letter, or **by March 6, 1996**. It is recommended that another new well also be installed in the vicinity of well W-E, which is near the outer edge of the contaminant plume. Please notify me at least 72 hours prior to the start of field work. If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

cc: Al Ridley, WCC, 500 12 St, Suite 100, Oakland 94607-4014
pw Cheryl Gordon, SWRCB Cleanup Fund
files (arrows)

August 16 19 95

TO: Alameda County Health Care Services Agency

Division of Environmental Protection

Department of Environmental Health

1131 Harbor Bay Parkway, 2nd Floor

Alameda, CA 94502

Attention; Ms. Eva Chu

SUBJECT: Arrow Rentals


187 North L Street

Livermore, CA

Transmitted herewith, please find our August 4, 1995 letter

Very truly yours,

Woodward-Clyde Consultants

By 
Al Ridley

August 4, 1995
93C0276A

Ms. Rita Sullins
Son-Sul, Inc.
187 North L Street
Livermore, CA 94550

Subject: Response to June 29, 1995 Alameda County Letter, regarding remedial activities at 187 North L Street, Livermore, California

Dear Ms. Sullins:

We have reviewed the subject letter, and our suggested remedial activities are described below. Since our completion of the field activities of the Dual Phase Extraction Pilot Test, we have been waiting for a response to your appeal of the amount of funds to be allocated for this project from the UST Cleanup Fund Program. Because of uncertainties of the amount of funds available there has been some delay in preparation on the report of the results of the Dual Phase Extraction Pilot Test.

Ms. Eva Chu, Hazardous Materials Specialist with the Alameda County Health Care Services Agency (ACHCSA) requested, in a June 29, 1995 letter, that; 1) any reports of recent work should be submitted, 2) if work has been discontinued, quarterly sampling of onsite wells must be reinstated immediately, and 3) because water levels have risen to depths of 20 to 30 feet, replacement wells are now required, 4) you are requested to develop an alternative Corrective Action Plan (CAP) and the plan should include installation of additional monitoring wells screened from approximately 20- to 45-foot depth.

PROPOSED WORK

Groundwater Monitoring

We propose to reinstate groundwater monitoring at the site by performing one round of quarterly monitoring as described below. Groundwater samples will be collected from onsite groundwater monitoring wells W-1, W-2, W-3 and offsite well W-E. The stabilized groundwater level will be measured in each well before sampling. Groundwater will be purged from each well as outlined in our CAP prior to sampling. Purged water from the wells will be stored in barrels on site and will be disposed properly following receipt of the laboratory reports. Samples will be collected with a clean bailer and placed in clean containers prepared by the laboratory, will be labeled, placed on ice in an ice chest, and will be transported under chain-of-custody procedures to the analytical laboratory. Travel blanks

Ms. Rita Sullins
August 4, 1995
Page 2

and field blanks will be prepared for quality control. Each water sample will be analyzed for TPH gasoline, and BTEX using EPA Method 8015/8020 modified.

Dual-Phase Pilot Test Report

A dual-phase pilot test was performed at the site on March 15-16, 1994. The results of that test will be presented in a letter report. Since the initial field results showed that the site conditions appear unsuitable for dual-phase extraction, this report will provide limited extraction results.

Evaluate Optional Corrective Measures

Based upon the initial field observations during the dual-phase test we believe that it is likely that the floating product was removed. The results of the groundwater monitoring task may not be able to confirm the presence or absence of floating product if groundwater levels are above the well screens. However, there is a potential that site conditions are much improved following the dual-phase extraction test. If the concentrations of TPH gasoline and BTEX in groundwater are reduced from previous reported concentrations, and if the extent of the groundwater plume remains limited, this site may be suitable for an ASTM Risk Based Corrective Action (RBCA) Tier 1 and Tier 2 evaluation for site closure. We will review the results of the groundwater monitoring task, above, and provide an assessment of whether the conditions at the site are likely to reach closure using RBCA Tier 1 criteria. We will provide our opinion of the likelihood of achieving RBCA closure considering the site conditions.

Estimated Costs and Schedule

We can begin the collection of groundwater from monitoring wells within about two weeks following your authorization. We estimate that the groundwater monitoring task, and the report of the dual-phase pilot test, can be completed within about 4 weeks following authorization to proceed. A letter summarizing our opinion of the potential for RBCA closure of this site will be available within an additional 2 weeks. The costs for these tasks are outlined in the attached Table 1. Charges for this work will be based upon hourly rates and unit charges in our attached 1995 Schedule of Fees and Charges.

Ms. Rita Sullins
August 4, 1995
Page 3

Authorization

Please initial below and sign the addendum and return one initialed and signed copy to our office as authorization for us to proceed.

Sincerely,



Albert P. Ridley, CEG
Senior Consulting Geologist

Jo Beth Folger, PE
Project Manager

Client Initials: _____

Date: _____

Attachment: 1995 Schedule of Fees and Charges
Table 1 Estimated Costs

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

Alameda County Environmental Health Dept
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577
(510) 567-6700

StID 4132

June 29, 1995

Ms. Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

(510) 271-4530

RE: 187 North L Street, Livermore 94550

Dear Ms. Sullins:

On February 2, 1994 I approved Woodward-Clyde's January 1994 Workplan for a Dual-Phase Extraction Pilot Test at the above referenced site. Vapor extraction could not be performed because groundwater elevation was above the screened interval of the wells, and groundwater extraction did not lower the water level. To date I have not received documentation of this work performed, nor have I received any reports of continued quarterly groundwater monitoring at this site. Please submit any reports of recent work performed since January 1994. If work has been discontinued, quarterly sampling of the onsite wells must be reinstated immediately.

Be advised that groundwater elevation has risen, with the recent rains, to a depth of 25 to 30 feet. Because water levels are approximately 20' above the screened intervals, replacements wells are now required.

At this time, pursuant to Section 2721 et seq. of Article 11, Title 23, California Code of Regulations, you are hereby requested to develop an alternative 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 offsite, caused by the unauthorized release of petroleum products, as dual phase extraction may not be feasible for this site. This plan should also include the installation of additional monitorings wells, screened from approximately 20- to 45-foot depth.

The referenced CAP is due in this office within 45 days of the date of this letter, or by August 18, 1995. If you have any questions, I can be reached at (510) 567-6762.

A handwritten signature in black ink, appearing to read 'eva chu'.

eva chu
Hazardous Materials Specialist

Rita Sullins
re: 187 N. L St., Livermore
June 29, 1995

Page 2

cc: Cheryl Gordon, SWRCB Clean Up Fund
files

arrow4

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 4132

February 2, 1994

Ms. Jo Beth Folger
Woodward-Clyde Consultants
500 12 St., Suite 100
Oakland, CA 94607-4014

**Subject: Workplan Approval for Pilot Test at Arrow Rentals,
187 North L St., Livermore, CA 94550**

Dear Ms. Folger:

I have completed review of Woodward-Clyde's January 1994 Workplan for a Dual Phase Extraction Pilot Test report for the above referenced site. The pilot test proposed is acceptable and field activities 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.

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

Sincerely,

eva chu
Hazardous Materials Specialist

cc: Rita Sullins, Arrow Rentals, 187 North L St., Livermore
94550
files

arrow3

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Arrow Rentals Today's Date 12/29/93

Site Address 187 N 'C' St

City Livermore Zip 94550 Phone _____

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

Inspection Categories:

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

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

Comments:

1 K Gasoline UST
 Tank whipped intact. No obvious holes -
 UST installed Dec 1987

No odor from pit

No soil sample required from beneath tank since
 soil contamination has been characterized and
 delineated.

Stockpiled soil will be sampled for re-use to
 backfill pit. Analyze for TPH-G and BTEX and
 organic lead

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MAT'L'S

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

III. UNDERGROUND TANKS (Title 23)

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

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

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

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

Rev 6/88

Contact: _____

Title: _____

Signature: R. Peña

Inspector: Eva Chp

Signature: [Signature]

II, III



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

Office Copy

Watch 12/27/93
Note changes/additions in RED

DON-SUL LEPA#
CAL 000 036 926

111

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name ARROW RENTALS
Business Owner TONY SOLLINS
2. Site Address 187 N. "L" ST.
City LIVERMORE CA. zip 94550 Phone (510) 455-1900
- X 3. Mailing Address 187 N "L" ST
City LIVERMORE zip 94550 Phone 510 455-1900
- X 4. Land Owner DON-SUL INC
Address 187 N. "L" ST City, State LIVERMORE CA. zip 94550
5. Generator name under which tank will be manifested TONY SOLLINS / DON SUL
EPA I.D. No. under which tank will be manifested CAL 000 036 926

6. Contractor REMEDIAL SOLUTIONS INC.
Address 43353 OSBORN RD. SUITE "B"
City FREMONT CA. 94539 Phone (510)651-7725
License Type* "A" HAZ. ID# A634555

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

7. Consultant N/A
Address _____
City _____ Phone _____

8. Contact Person for Investigation
Name JEFF DEAKIN Title OPERATIONS MGR.
Phone (510) 651-7725

9. Number of tanks being closed under this plan - 1 -
Length of piping being removed under this plan 12'
Total number of tanks at facility - 1 -

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

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

a). Product/Residual Sludge/Rinsate Transporter

Name ERICKSON EPA I.D. No. CAD 009466392
Hauler License No. 0019 License Exp. Date MAY 31, 1994
Address 255 PARK BLVD
City RICHMOND State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name GIBSON OIL INC. EPA I.D. No. CAD 043260707
Address 475 SEAPORT BLVD.
City REDWOOD CITY State CA Zip 94063

c) Tank and Piping Transporter

Name ERICKSON INC. EPA I.D. No. CAD 009466392
Hauler License No. 0019 License Exp. Date MAY 31, 1994
Address 255 PARR BLVD.
city RICHMOND State CA zip 94801

d) Tank and Piping Disposal Site

Name ERICKSON INC. EPA I.D. No. CAD 009466392
Address 255 PARR BLVD.
city RICHMOND State CA zip 94801

11. Experienced Sample Collector

Name RON BRITTO
Company REMEDIAL SOLUTIONS INC.
Address 43353 OSGOOD RD. Suite "B"
city FREMONT State CA zip 94539 Phone (510) 651-7725

12. Laboratory

Name ONSITE ENVIRONMENTAL LAB
Address 5300 BOSCELL COMMON
city FREMONT State CA zip 94538
State Certification No. 1842

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

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

100 LBS. OF DRY ICE

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

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

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
1000 GAL.	GASOLINE	SOIL	STOCKPILE Since extent of soil contamination has been determined, soil samples from beneath the USTs need <u>not</u> be collected for analysis

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

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) 30 yds.	Sampling Plan TPH G, BTEX, LEAD

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

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

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

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
GAS	TPH G BTEX LEAD	8260, TOTAL LEAD	1.0 .005

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

18. Submit Worker's Compensation Certificate copy

Name of Insurer STATE COMPENSATION INSURANCE FUND

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

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

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

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

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

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

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

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

Signature of Contractor

Name (please type) JEFF DEAKIN

Signature *Jeff Deakin*

Date 12-17-93

Signature of Site Owner or Operator

Name (please type) DON-SYL INC.

Signature *Don Syll*

Date 12-17-93

X

State of California
Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code
and the Rules and Regulations of the Contractors State License Board,
the Registrar of Contractors does hereby issue this license to:

REMEDIAL SOLUTIONS INC



to engage in the business or act in the capacity of a contractor
in the following classification(s):

A - GENERAL ENGINEERING CONTRACTOR
HAZ - HAZARDOUS SUBSTANCES REMOVAL



Witness my hand and seal this day,
January 9, 1992

Matthew C. Ruyter SECRETARY
Signature of Licensee

Issued January 3, 1992

David R. Phillips
Registrar of Contractors

Darryl W. Patton
Signature of License Qualifier

This license is the property of the Registrar of Contractors, is not
transferable, and shall be returned to the Registrar upon demand
when suspended, revoked, or invalidated for any reason. It becomes
void if not renewed.

634555

License Number

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD



Building Quality



HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.



Qualifier: DAVID WILLIAM PATTON

License No.: 634555

Namestyle: REMEDIAL SOLUTIONS INC.

WITNESS my hand and official seal this
6 day of JANUARY, 1992

David R. Phillips
Registrar of Contractors

13L-36 (2/91)

This certification is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A 3429

**STATE
COMPENSATION
INSURANCE
FUND**

P.O. BOX 420807, SAN FRANCISCO, CA 94142-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

AUGUST 24, 1993

POLICY NUMBER: 1293313-93
CERTIFICATE EXPIRES: 03-01-94

U.S.P.C.I.
ATTN: MIKE THOMAS
5665 FLATIRON PARKWAY
BOULDER, COLORADO 80301

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon ten days' advance written notice to the employer.

We will also give you TEN days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance 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.


PRESIDENT

IF AN EMPLOYEE WHO HAS BEEN HIRED OR IS REGULARLY EMPLOYED IN CALIFORNIA RECEIVES PERSONAL INJURY BY ACCIDENT ARISING OUT OF AND IN THE COURSE OF SUCH EMPLOYMENT OUTSIDE OF CALIFORNIA, HE, OR HIS DEPENDENTS, IN THE CASE OF HIS DEATH, SHALL BE ENTITLED TO COMPENSATION ACCORDING TO THE LAWS OF CALIFORNIA (CALIFORNIA LABOR CODE 3600.5). THE STATE COMPENSATION INSURANCE FUND OF CALIFORNIA DOES NOT PURPORT TO PROVIDE INSURANCE UNDER THE LAWS OF ANY STATE OTHER THAN THE STATE OF CALIFORNIA. EMPLOYEES ARE COVERED FOR CALIFORNIA BENEFITS ONLY.

EMPLOYER

REMEDIAL SOLUTIONS, INC.
2432 LACEY DR.
MILPITAS, CA 95035

ACORD. CERTIFICATE OF INSURANCE

1042 ISSUE DATE (MM/DD/YY)
8/3/93

PRODUCER

Brown Colvin & Co.
1900 Avenue of the Stars
Suite 900
Los Angeles CA 90067

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

INSURED

Remedial Solutions Inc.
43353 Osgood Road Suite B
Fremont CA 94539

- COMPANY LETTER **A** ILLINOIS UNION INSURANCE CO.
- COMPANY LETTER **B**
- COMPANY LETTER **C**
- COMPANY LETTER **D**
- COMPANY LETTER **E**

COVERAGES

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

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY				GENERAL AGGREGATE \$ 2,000,000
A	X COMMERCIAL GENERAL LIABILITY CLAIMS MADE X OCCUR. OWNER'S & CONTRACTOR'S PROT.	EPOG1665912	01/22/93	01/22/94	PRODUCTS-COMP/OP AGG. \$ 2,000,000 PERSONAL & ADV. INJURY \$ 1,000,000 EACH OCCURRENCE \$ 1,000,000 FIRE DAMAGE (Any one fire) \$ 50,000 MED. EXPENSE (Any one person) \$ 5,000
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT \$
	ANY AUTO				
	ALL OWNED AUTOS				BODILY INJURY (Per person) \$
	SCHEDULED AUTOS				
	HIRED AUTOS				BODILY INJURY (Per accident) \$
	NON-OWNED AUTOS				
	GARAGE LIABILITY				PROPERTY DAMAGE \$
	EXCESS LIABILITY				EACH OCCURRENCE \$
	UMBRELLA FORM				AGGREGATE \$
	OTHER THAN UMBRELLA FORM				
	WORKER'S COMPENSATION				STATUTORY LIMITS
	AND				EACH ACCIDENT \$
	EMPLOYERS' LIABILITY				DISEASE-POLICY LIMIT \$
					DISEASE-EACH EMPLOYEE \$
	OTHER				
A	POLLUTION LIABILITY	USC000015	01/22/93	01/22/94	\$2,000,000 Aggregate \$1,000,000 Accident

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

CERTIFICATE HOLDER

U.S.P.C.I.
Attn: Mike Thomas
5665 Flat Iron Parkway
Boulder CO 80301

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

Michael Skelton

Remedial Solutions, Inc.

Health & Safety Plan

Prepared for:

**Underground Storage Tank
Removal Project**

**187 N. "L" Street
Livermore, Ca. 94550**

RSI Project No. 1057

December 17, 1993

**SITE HEALTH AND SAFETY PLAN
ARROW RENTALS PROJECT SITE
187 N. "L" St.
Livermore , Ca.**

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1.0 Introduction

Remedial Solutions, Inc. (RSI) is committed to providing a safe and healthy work environment for all its employees. In order to ensure that the safety and health of each employee is protected at the 187 N. "L" street, Livermore, CA. project site, the RSI Health and Safety Plan shall be in force for the duration of the project.

1.1 Site Entry Requirements

This document describes the health and safety guidelines developed for the site to protect on-site personnel, visitors, and the public from physical harm and exposure to hazardous materials or wastes. The procedures and guidelines contained herein were based upon the best available information at the time of the plan's preparation. Specific requirements will be revised when new information is received or conditions change. A written amendment will document all changes made to the plan. Any amendments to this plan will be included in Appendix A. Where appropriate, specific Occupation Safety and Health Administration (OSHA) standards or other guidance will be cited and applied.

1.2 Site Safety Plan Acceptance Acknowledgement

The RSI Site Safety Officer (SSO) or designated representative shall be responsible for informing all individuals entering the exclusion zone or decontamination (DECON) zone of the contents of this plan and ensuring that each person signs the Safety Plan Acknowledgement Form. By signing the Safety Plan Acknowledgement Form, individuals are acknowledging the presence of specific hazards on-site and the policies and procedures required to minimize exposure or adverse effects of site hazards.

1.3 Training Requirements

All personnel (including subcontractors and visitors) entering the exclusion zone or DECON zone must have completed training requirements for hazardous waste site work in accordance with CAL OSHA GISO 5192. Documentation of training requirements is the responsibility of each employer. However, written documentation verifying compliance with CCR Title 8 GISO 5192 must be submitted to the SSO prior to entering the exclusion zone.

Site-specific training will be conducted prior to initiating field activities. It will address emergency procedures, site control, and provisions of this Site Safety Plan (SSP). The SSO is responsible for ensuring that all personnel receive the site-specific training.

The SSO will also conduct daily tailgate safety meetings to address current conditions at the site.

1.4 Medical Monitoring Requirements

All personnel (including subcontractors and visitors) entering the exclusion zone or DECON zone must have completed appropriate medical monitoring requirements under CAL-OSHA GISO 5192 (f). Documentation of medical monitoring is the responsibility of each employer. However, written documentation verifying compliance must be submitted to the SSO prior to entry into the exclusion zone.

1.5 Fit Testing Requirements

All personnel (including visitors) entering the exclusion zone or DECON zone, where the potential exists to need a negative pressure respirator, must have successfully passed a qualitative respirator fit test in accordance with OSHA 29 CFR 1910.134/CCR Title 8 GISO 5144 or American National Standards Institute (ANSI Z88.2) within the last 12 months. Documentation of fit testing is the responsibility of each employer and must be submitted to the SSO prior to use of respiratory protection on-site.

2.0 Project Description

The project at 187 N. "L" Street Livermore, Ca. involves the excavation and removal of one underground storage tank and associated piping, backfill and compaction of the excavation. The project site is currently a equipment rental yard. The tank is suspected to have stored petroleum hydrocarbons.

2.1 Support Personnel

RSI Project Manager:	Matt Dwyer	(510) 651-7725
RSI Project Superintendent:	Jeff Deakin	(510) 651-7725

2.2.1 RSI Project Superintendent Responsibilities

1. Read, understand, and accept the Site Health and Safety Plan.
2. Attend the site safety training.
3. Conduct tailgate safety meetings.
4. Assure that the proper personal protective equipment is available at the site.
5. Assure that safe work practices are employed at all times.
6. Enforce corrective action under the direction of the Safety Officer.
7. Act as the Site Safety Officer in the absence of the corporate Safety Officer.
8. Inform Safety Officer of any conditions which may require amendment to the Site Health and Safety Plan, or any other hazard to health and well being of employees or the community.

2.2.2 Subcontractor Responsibilities

The responsibilities of all subcontractors with respect to safety are:

1. Read, understand, and accept the Site Health and Safety Plan.
2. Have all members of the work crew attend the safety training.
3. Have all members of the work crew attend all tailgate safety meetings.
4. Ensure equipment and other machinery are properly inspected and maintained and in compliance with applicable sections of the California Occupational Health and Safety Code.
5. Supply and maintain the required personal protective equipment, as specified in the plan.
6. Assure the work crew complies with the Site Health and Safety Plan.
7. Enforce corrective action under the direction of the acting Safety Officer.

2.2.3 Field Team Member Responsibilities

The responsibilities of the field team members with respect to safety are:

1. Read, understand, and accept the Site Health and Safety Plan.
2. Follow the directions of the Project Superintendent, Safety Officer, and all contractor's representatives.
3. Attend all tailgate safety meetings.
4. Perform all work in compliance with this Site Health and Safety Plan, as well as all federal, state, and local occupational safety and health regulations.
5. Report any conditions which may pose a threat to the health and well being of employees or the community to the Safety Officer and/or the Project Superintendent.

3.0 Hazard Evaluation

The Site Health and Safety Plan addresses the anticipated activities and hazards, and makes provisions for modification and amendment as occupational health data are collected. The Safety Officer will conduct a preliminary survey to assess potential need for air sampling.

The anticipated activities of this site include:

1. Excavation and proper disposal of underground storage tanks and associated piping.
2. Assist Lowney Associates in the collection of soil samples from excavations.
3. If necessary, the excavation and proper disposal of contaminated soil from the excavations.
4. Backfill and compaction of the excavations.

3.1 Hazard evaluation: Excavation of Underground Storage Tanks and Hydrocarbon Contaminated Soil, Backfill and Compaction of Excavations

Excavation and demolition activities will potentially expose field personnel to the following hazards:

The use of a backhoe will present the following hazards:

1. Chemical hazards: Exposure to various chemical substances including, but not limited to those listed in Section 3.4. Certain precautions are necessary to properly control the fire/explosion and health hazards associate with these chemicals.
2. Physical hazards: Exposure to physical hazards associated with excavation include:
 - a) Excavation sidewall integrity hazards.
 - b) Equipment, or hydrocarbon fires.
 - c) Electrical shock from underground cables.
 - d) Being hit by equipment.
 - e) Falling objects.
 - f) Exposure to excessive noise.

3.2 Hazard evaluation: Loading and disposal of contaminated soil and construction debris

Loading and disposal activities will potentially expose field personnel to the following hazards:

The use of a heavy equipment will present the following hazards:

1. Chemical hazards: Exposure to various chemical substances including, but not limited to those listed in Section 3.4. Certain precautions are necessary to properly control the fire/explosion and health hazards associate with these chemicals. Control of fugitive dusts will be required during excavating, loading and stock piling soils.
2. Physical hazards: Exposure to physical hazards associated with excavation include:
 - a) Equipment, or hydrocarbon fires.
 - b) Electrical shock from underground utilities.
 - c) Being hit by equipment.
 - d) Falling objects.
 - e) Exposure to excessive noise.

3.3 Physical Hazard Control

Assure that the appropriate and safe operating procedures are employed during excavation, demolition, equipment operation, and decontamination. Also, assure clear distance when working around or near heavy equipment. Make eye contact with equipment operator before approaching equipment.

All electrical equipment and other utilities shall be located, de-energized, locked out, tagged, and checked prior to excavation.

Excavation pits greater than 4 feet deep are considered confined spaces. Entrance into confined spaces are prohibited. If entrance into the confined space is necessary, workers shall follow the confined space entry procedures detailed in Appendix D. Proper engineering controls for excavations (ie. shoring, sloping, benching) must also be implemented prior to entrance.

Rotation of workers may be necessary to prevent heat and noise stress. Refer to Appendix C for additional information regarding Heat Stress.

Heavy Equipment Operations

Equipment operators must have experience operating the equipment which they are required to operate at the site and must be cognizant of the persons working around them. Equipment must be operated in compliance with all OSHA Construction Standards. All persons operating open cab heavy construction equipment must wear hearing protection. If the equipment is operated on public streets under its own power, a chase vehicle must follow the equipment to its destination. Persons working around equipment must be cognizant at all times where the equipment is operating. Personnel are advised to make eye contact with the operator before approaching the equipment in operation.

3.4 Chemical Hazards

Chemical name: Inorganic Lead
Exposure limits: 0.075 mg/m³
Routes of entry: Inhalation, Ingestion, Skin Contact
Acute exposure: None
Chronic exposure: Anemia, CNS disorders, Blood changes

Chemical name: Gasoline
Exposure limits: 300 ppm
Routes of entry: Inhalation, Ingestion, Skin contact
Acute exposure: Dizziness, Euphoria, Drowsiness, Unconsciousness
Chronic exposure: Carcinogen, damage to kidneys

Tetraethyl lead - Inorganic lead is a cumulative toxin. Lead compounds can be absorbed via dermal exposure. Adequate skin protection should be employed to reduce or prevent dermal exposure. Lead compounds can also be absorbed via inhalation and ingestion exposure due to the adsorption of lead on soil particles.

Aromatic hydrocarbons - Typically, the concentrated vapor of pure aromatic hydrocarbons can cause central nervous system depression, and, depending upon the compound, hepatic, renal, or bone marrow disorders. The vapor is absorbed through the lungs and the liquid may be absorbed through the skin. Repeated and prolonged skin contact can cause defatting of the skin, leading to dermatitis. In addition, benzene is a suspected human carcinogen. These effects have been reported for pure chemical substances.

4.0 Safe Work Practices and Personal Protective Equipment

The following sections present procedures on how to safely address the potential hazards which could possibly be encountered during the various tasks of the project. The standard level of personal protection is also defined. Based on the work to be performed and the types of chemical hazards which may be encountered, EPA Level C and D personal protection has been determined to be adequately protective and suitable for most of the tasks on the project. Further determinations shall be made by the Safety Officer and modifications to work practices and the required personal protection will be specified as amendments to this section if deemed necessary.

4.1 Potential Fire and Explosion Hazard

Due to the flammable and combustible nature of certain identified hydrocarbons, explosive vapor conditions will be monitored. A working criteria of not more than 20% of the lower explosive limit (LEL), as measured by a combustible gas indicator, has been established for explosion hazards near the borehole and stock pile. When measurements near the trench excavations, borehole, as well as the stock pile reveal this persistent concentration, inerting of the area to reduce the possibility of the explosion shall occur. Should LEL readings exceed 20% in the general working area, work will be stopped, the field crew will be instructed to stand upwind, and abatement methods, such as sprinkling the cuttings with water, will be instituted to subdue fugitive vapor emissions. Should combustible gases not be detected during drilling and excavation operations, monitoring for combustible gases shall be suspended.

4.2 Potential Health Hazards

Depending on excavation, backfill and other working conditions, the Site Safety Officer may increase or decrease the level of protection required at the site. The initial level of protection shall be Level D.

The required personal protection for Level D is as follows:

1. Hard hat.
2. Steel toed leather work boots/shoes.
3. Leather or cloth gloves when working with piping and hand tools.
4. Eye and ear protection when working with hand tools.
5. Nitrile gloves when working with contaminated soil.
6. Tyvek protective suit or equivalent while working with contaminated soil.

The required personal protective equipment for level C is as follows:

1. Hard hat.
2. Steel toed leather work boots/shoes.
3. Rubber overshoes for easy decon.
4. Eye and ear protection when working with hand tools.
5. Nitrile gloves when working with contaminated soil.
5. Tyvek protective suit or equivalent while working with contaminated soil.
6. Air Purifying Respirator with combination HEPA/Organic Vapor cartridges.

4.3 Potential Noise Hazards

Exposure to excessive noise will be controlled by issuance and use of hearing protection as dictated by the Project Superintendent or the Safety Officer during operations that would expose employees at or in excess of 85 dBA over an 8 hour time weighted average. Activities that include working within 20 feet of the heavy equipment, would require hearing protection.

5.0 Air Monitoring

5.1 Oxygen/Combustible Gas Meter

The combination O₂/Combustible Gas Meter will be used on a daily basis in and around the work site to evaluate combustible gases that may be present in the work area. If the meter indicates combustible/explosive gas concentrations in excess of 20% of the Lower Explosive Limit, all work will cease and workers will assemble upwind of the operation until the concentration drops below 20% of the LEL. Fire suppression techniques, such as the use of carbon dioxide may be used to reduce the combustible gas concentration.

ACTION LEVEL:

If greater than 10% LEL:

- 1) Stop work.
- 2) Have work crew stand up wind.
- 3) Allow source to dissipate or apply abatement techniques as described in Section 3.1.

If greater than 20% LEL:

- 1) Evacuate the site.
- 2) Notify RSI Office.
- 3) Allow explosive atmosphere to dissipate.

6.0 Safety Meetings

Attendance of all scheduled safety meetings are mandatory for all personnel working at the 187 N. "L", Livermore, CA. project site.

6.1 Tailgate Safety Meetings

Each group of personnel doing work as an individual group (ie. drillers, equipment operators, installation crew) are required to conduct tailgate safety meetings at least every 10 days (or more frequent based on the SSO's recommendations) covering the day's work, any safety related problems encountered the previous working day, and any new work procedure which will be employed. The person responsible for conducting the tailgate safety meeting shall keep a record of the meeting along with all information which was discussed. This record is to be completed on the form provided in the safety binder and are to be kept in the safety binder.

7.0 Site Control

The following sections establish the Site Control requirements that must be implemented by all contractors while on the 187 N. "L" Street project site.

7.1 Work Zones

The primary purposes for site controls are to establish the hazardous area perimeter, to reduce migration of contaminants into clean areas, and to prevent access or exposure to hazardous materials by unauthorized persons. At the end of each workday, the site will be secured or guarded to prevent unauthorized entry. Site work zones will include:

7.1.1 Clean Zone/Support Zone

This uncontaminated support zone or clean zone will be the area outside the exclusion and DECON zones and within the geographic perimeters of the site. This area is used for staging of clean materials, parking of vehicles, sanitation facilities, and receipt of deliveries. Personnel entering this zone may include delivery personnel, visitors, security guards, etc. who will not necessarily be permitted in the exclusion zone. All personnel arriving in the support zone will, upon arrival, sign the site entry/exit log. There will be one controlled entry/exit point from the clean zone to the DECON zone.

7.1.2 DECON Zone

The DECON zone will provide a location for removal of contaminated personal protective equipment and final decontamination of personnel and equipment. All personnel and equipment should exit via the DECON area. A separate DECON area may be established for heavy equipment.

7.1.3 Exclusion Zone/Hot Zone

The exclusion zone will be the "hot zone" or contaminated area inside the site perimeter. Entry to and exit from this zone will be made through a designated point, and all personnel will be required to sign the hot zone entry/exit log located at the DECON area. Appropriate warning signs to identify the exclusion zone should be posted (eg., "DANGER-AUTHORIZED PERSONNEL ONLY", "PROTECTIVE EQUIPMENT REQUIRED BEYOND THIS POINT," etc..). Exit from the exclusion zone must be accompanied by personnel and equipment DECON as described in Section 8.0. Note: All Zones must be clearly separated to ensure that no one enters a zone unknowingly.

It should be noted that as work progresses, the exclusion zone shall change or decrease in size. This determination shall be made by the site safety officer/project superintendent. All site personnel shall be informed of any changes.

7.2 General Field Safety and Standard Operating Procedures

1. It is our policy to practice administrative hazard control for all site areas by restricting entrance to exclusion zones to essential personnel and by using SOPs.
2. The "Buddy System" shall be used at all times by all field personnel in the hot zone. No one is to perform field work alone. Maintain visual, vocal, or radio contact at all times.
3. Whenever possible, avoid contact with contaminated (or potentially contaminated) surfaces. Walk around (not through) puddles and discolored surfaces. Do not kneel on the ground or set equipment on the ground. Stay away from any waste drums unless necessary. Protect equipment from contamination by bagging.
4. Eating, drinking, or smoking is permitted only in designated areas in the support zone, outside of active work areas.
5. Hands and face must be washed upon leaving the DECON area.
6. Beards or other facial hair which interfere with the fit of the respirator will not be allowed for persons required to use a respirator.
7. Contact lenses will not be permitted on site.
8. All Equipment must be DECONNED or discarded upon exit from the exclusion zone.
9. All personnel must go through the DECON procedures described in Section 8.0.
10. Personal Protective Clothing described in Section 4.0 will be required for all field personnel. Such equipment may include, but not limited to, respiratory equipment, earplugs, hard hat, disposable suits, boots, gloves, and safety glasses.

11. Anyone reporting to work under the influence of alcohol or illegal drugs shall be subject to disciplinary action. Any employee under a physician's care and is taking prescribed medication must notify the project superintendent and the site safety officer.
12. Changes in work practices or work rules shall be implemented only after a written safety plan amendment has been prepared and authorized.
13. Construction equipment always has the right-of-way over regular equipment.
14. All required protective clothing will be supplied by the designated SSO. None of this equipment will be permitted to leave the site until the completion of the project.
15. Employees are responsible for cleaning and maintaining the protective equipment issued to them. Any noted defects in the equipment shall be reported immediately to the designated SSO.
16. Employees shall be alert to back up alarms on construction and shall yield to construction equipment.
17. All equipment operators shall pay attention for personnel who may be in their path. Operators shall provide warning before moving.
18. All employees shall follow emergency procedures outlined in Section 9.0.
19. Personnel must report all injuries and/or illnesses to their supervisor. This includes minor or slight injuries and near misses.

8.0 DECON PROCEDURES

In general, everything that enters the exclusion zone must either be decontaminated or properly discarded upon exit from the zone. All personnel, including visitors, must enter and exit the exclusion zone through the DECON area. Prior to demobilization, contaminated equipment will be decontaminated before it is moved into a clean area. Any material that is generated by DECON procedures will be labeled and stored in a designated area in the exclusion zone until arrangements are made.

Note: The type of DECON solution to be used is dependent upon the type of chemical hazards. The DECON solution for this site is soap and water for personnel. DECON solution will be changed daily (at a minimum) and collected and stored on site until disposal arrangements are finalized.

8.1 Procedures for Equipment DECON

Equipment: All sampling and excavation equipment must be decontaminated using tri-sodium phosphate solution and a final rinse of water. Steam cleaning or pressure washing of the equipment is acceptable. The wash and rinse water are to be stored and disposed of or treated as contaminated waste.

The bucket of the backhoe (and potentially other affected areas) will be considered contaminated and must follow the same equipment DECON procedures, as described previously. Proper administrative controls shall be implemented to ensure that the contaminated soil does not get inadvertently spread across the property by the tires of the equipment or poor loading and traveling techniques.

8.2 Procedures for Personnel DECON

This DECON procedure applies to personnel at this site wearing Levels D and C protection. These are the minimum acceptable requirements:

Station 1: Equipment Drop

Deposit equipment used on site (tools, etc...) on plastic drop cloths. These items must be decontaminated or discarded as waste prior to removal from the exclusion area.

Station 2: Outer Boot and Outer Glove Wash/Rinse

Scrub outer boots, outer gloves and/or splash suit with DECON solution or detergent water. Rinse off using water.

Station 3: Outer Boot And Glove Removal

Remove outer boots and gloves. If outer boots are disposable, deposit in container with plastic liner. If non-disposable, store in a clean, dry place. Gloves are to be discarded daily.

Station 4: APR Cartridge Replacement

When a person leaves the exclusion zone to change a cartridges, this is the last step in the DECON procedure. The cartridge is exchanged, new outer gloves are donned, joints taped, and the person returns to the hot zone.

Station 5: Outer Garment Removal

Remove the chemical resistant garments and deposit them in a container lined with plastic. Decontaminate or dispose of the splash suits as necessary.

Station 6: Respiratory Protection Removal

APR Cartridges will be used and discarded as appropriate. Wash and rinse respirator before each use. Wipe off and store respiratory gear in a sealed container.

Station 7: Inner Glove Removal

Remove inner gloves. Deposit in a container for disposal.

Station 8: Field Wash

Thoroughly wash hands and face with soap and water. Shower as soon as possible.

The project supervisor has been designated to coordinate access control and security at the site. The boundaries are to be identified by signs, barrier tape, traffic cones, or any other means which distinguishes the work area from other areas. Warning signs are also to be erected at the site boundaries. No unauthorized persons should be within this area.

All hazardous material stockpiles and waste drums or bags are to be labeled and accumulation records maintained.

9.0 Emergency Procedures

Emergency procedures listed in this plan are designed to give field teams instructions in handling medical emergencies, fires, and explosions. These emergency procedures will be carefully reviewed with the team during the initial tailgate safety meeting.

It is essential that site personnel be prepared in the event of an emergency. Emergencies take many forms; illnesses or injuries, chemical exposure, fires, explosions, spills, leaks, release of harmful contaminants, or sudden change in weather. The following sections outlined in the general procedures for emergencies. Emergency information shall be posted as appropriate.

ALL EMERGENCIES SHALL BE NOTIFIED THROUGH THE USE OF 911

9.1 Emergency Contacts

Fire:	911
Police:	911
Ambulance:	911
Hospital:	Valley Memorial
Address:	1111 E. Stanley Ave.
Telephone:	(510) 447-7000

Directions from Site to Hospital: Leave the project site heading south on "L" street, turn right on 1 ST. St. then 1/2 mile to a right hand turn onto Stanley. Valley Memorial is on the right hand side of the street at the corner. (See map in Appendix B).

Note: Maps and directions to the hospital will be posted in the job site office or as appropriate. At least one site representative must drive the route to the hospital to ensure familiarity and accuracy.

Distance to the hospital is 2 miles. Approximate driving time is 10 minutes.

At least one person trained in first aid and CPR will be on site at all times. Names of medically trained persons will be posted on site as appropriate.

9.2 RSI Emergency Numbers

Project Superintendent/SSO: TBD (on site)
Project Manager: Matt Dwyer (510)651-7725

9.3 Emergency Equipment Available On Site

1. Basic First Aid Equipment
2. 20 lb CO2 Fire Extinguisher

9.4 Project Personnel Responsibilities During Emergencies

Prior to the start of site activities, the project superintendent and the SSO will review the emergency procedures of this plan and ensure that all necessary emergency equipment is ready for use. When appropriate, they shall modify or make additions to the emergency procedures to enhance the effectiveness of the procedures.

The SSO/project superintendent will also establish emergency evacuation routes and review potential emergencies and how they may occur. The SSO/project superintendent will address the containment and storage of hazardous materials, particularly liquids and take measures to prevent leaks, spills, and accidents. Hazardous materials shall be properly stored and protected, including, but not limited to, protection from sun, heat, water, and weather; isolation from personnel; segregation by hazard classifications; protection from vehicles, equipment, or traffic; posting of appropriate warning signs; and providing secondary containment as may be necessary.

The SSO/project superintendent will insure that all personnel working on or visiting the site are briefed on emergency procedures, including alarms or other warning devices and evacuation routes. On site personnel will also be briefed on their roles in emergencies such as fire fighting, spill clean up, and first aid.

In case of emergency, the project superintendent will implement the site emergency procedures. The project superintendent is specifically responsible for the following:

1. Implementing the site contingency plan, including ordering site evacuations, directing fire fighting efforts, and spill control and clean up;
2. Contact local emergency services such as the fire department, ambulance services, and federal, state or local emergency or environmental agencies. The project superintendent will coordinate the local emergency services. In the event of an airborne release of toxic materials; local authorities must be informed immediately to assess the need for evacuation of the public in the vicinity of the site. In the event of a spill where runoff may enter into the public drinking water or sanitary systems, local water and sanitation districts may need to be alarmed.
3. Determining the cause of the incident and its prevention in the future.
4. Filing all necessary reports with federal, state, and local authorities and a complete written report to RSI.

It should be noted that RSI will not order or conduct evacuations of the general public. RSI will make recommendations to the local emergency authority and assist as necessary; however, the decision to call an evacuation will be up to the local agency in charge.

The SSO/project superintendent in the event of an emergency and will provide advice as necessary. The SSO will be responsible for the following:

1. Evaluating the emergency conditions and making recommendations regarding risks to off-site personnel and the public, the necessity of upgrading PPE to protect on-site personnel and emergency responders, and recommending evacuation of on-site personnel.
2. Supervising evacuation and decontamination procedures.
3. Providing first aid services and medical support or evacuation for injured or exposed personnel
4. Preparing a written incident report for submission to RSI management.

Employees on site are responsible for reporting emergency situations or conditions immediately to their supervisors, alerting other employees, helping injured personnel, and assisting as directed in the mitigation of the incident.

In the event that the project superintendent is absent or incapacitated, another designated representative will assume the responsibility of the project superintendent.

9.5 Medical Emergencies

Seriously injured or ill personnel should not be moved unless their life is endangered until an assessment has been made by a person trained in first aid and CPR.

Any person who becomes ill or injured in the exclusion zone must then be decontaminated to the maximum extent possible. If the injury or illness is minor, full DECON should be completed and first aid administered prior to transport. If the condition is serious, at least a partial DECON should be completed. First aid should be administered while awaiting an ambulance or paramedics. All injuries and illnesses must immediately be reported to the SSO.

Any person transporting an injured/exposed person to a clinic or hospital for treatment should take with them directions to the hospital and information on the chemical(s) they may be exposed to.

Any vehicle used to transport contaminated personnel will be cleaned or decontaminated as necessary.

9.6 Fire or Explosion

In the event of a fire or explosion, the local fire department should be notified immediately. Upon their arrival, the SSO or designated representative will advise the fire commander of the location, nature, and identification of the hazardous materials on-site.

If it is safe to do so, the site personnel may do the following:

1. Use fire-fighting equipment available on-site.
2. Remove or isolate flammable or other hazardous materials which may contribute to the fire.

9.7 Spills or Leaks

In the event of a spill or leak, the site personnel will do the following:

1. Locate the source of the spillage and stop the flow if it can be done safely.
2. Begin containment and recovery of the spilled materials.

9.8 Additional Site Specific Procedures

The mustering area has been established at 500 feet upwind of the work area. In the event that the area must be evacuated, employees are to gather in the mustering area and await further instructions.

9.9 Evacuation Routes and Resources

Evacuation routes have been established for this site. Outside work areas have been provided with two designated exit points. Evacuation should be conducted immediately, without regard for equipment under conditions of extreme emergency.

1. Evacuation notification will be a continuous blast on an air horn or vehicle horn or by verbal communication.
2. Keep upwind of smoke, vapors, or spill location, if possible.
3. Exit through DECON corridor, if possible.
4. If evacuation is not via the DECON corridor, site personnel should remove contaminated clothing once they are in a location of safety and leave it near the exclusion zone or in a safe place.
5. The SSO will conduct a head count to insure all personnel have been evacuated safely.
6. In the event that emergency site evacuation is necessary, all personnel are to:
 - Escape the emergency situation.
 - Decontaminate to the maximum extent possible.
 - Meet at the designated safe refuge.

10.0 Confined Space Entry Procedures

A confined space is defined as a space or work area not designed or intended for normal human occupancy, having limited means of access and poor natural ventilation, and/or any structure which have limited means of egress. Examples of confined spaces include excavations, tanks, vats, basements, and vaults.

Confined spaces identified at this site include the following:

Trenches or excavations that exceed 4 feet in depth.

Entrance into the space for any reason is prohibited. If a confined space entry is conducted (such as emergency rescue by emergency personnel) it will be done in accordance with procedures presented in Appendix D.

APPENDIX A
SITE SAFETY PLAN AMENDMENTS

R2E

RD 2600 CT

580

HAYK RD

CITY

CHABOT COLLEGE
LIVERMORE CAMPUS

RANCHO DE VALLE DEL SAN JOSE

RANCHO LAS POSITAS

725
735

- 1 VIA AMIGOS
- 2 VIA MONTALVO
- 3 VIA MATEO
- 4 VIA CRISTOBAL
- 5 VIA SAN JOSE
- 6 VIA D'ESTE

PORTOLA

ALAMEDA

CHIPPENAW

NOHAWK DR

CHEROKEE DR

SEMINOLE DR

LAUREL

MONTECITO

DEL NORTE

MURRIETA

DEL AVARE

CHANDLER CT

SPRINGER

WALNUT

CHESTNUT

ARROYO

LAS POSITAS

ALVARADO CT

WIGGERS

LOCUST

LINDEN

PARK

VALLEY

LAS POSITAS RD

ROSELAWN CEM

CROMWELL WY

PORTOLA PARK

WELLS

WELLS

WELLS

WELLS

VISTA MEADOWS

WESTMINSTER WY

FARNSWORTH DR

WELLS

WELLS

WELLS

WELLS

WELLS

PORTOLA

PORTOLA

PORTOLA

PORTOLA

PORTOLA

PORTOLA

PORTOLA

PORTOLA

PEPPER TREE PLAZA 800 VALLEY

APPENDIX C
HEAT & COLD STRESS

HEAT STRESS

Heat stress is a major hazard for the field personnel due to the necessity of wearing protective clothing, often outdoors in the direct sunlight. Heat induced illness is one of the most common and potentially serious illnesses of hazardous waste sites. Heat stress can occur rapidly, causing a variety of adverse health effects.

HEAT STRAIN

The bodily response to heat stress is called heat strain. Many of the body's responses to heat exposure are beneficial. As the body's core temperature increases, blood flow to the skin and underlying tissues will increase in an attempt to rid the body of excessive heat. Evaporative cooling increases as sweat glands become more active. At some level of heat stress, however, the body's compensation mechanisms will no longer be capable of maintaining body temperature at the proper level. Under hot and dry conditions, the heat load from radiation and convection may be higher than the body's cooling power. In humid atmospheres, the air and radiant temperatures may be moderate, but at high humidity they will prevent effective evaporation and body cooling. In addition, protective clothing limits air movement on skin, decreasing the cooling effect of sweat evaporation.

HEAT RASH

A prickly heat felt on the skin can indicate a heat rash. It is usually caused by the plugging of sweat glands or pores because the sweat does not evaporate. Heat rash is usually treated by keeping the skin clean and by sleeping in a cool, dry room so the skin can remain dry between heat exposures.

HEAT CRAMPS

Muscle cramps and spasms due to a salt imbalance in the body are called heat cramps. This is usually seen with workers who have high sweat rates and drink lots of water, but do not replace the salts that are lost through sweating. Drinking liquids such as Gatorade, instead of water, will replace the lost salts. In addition, consuming meals throughout the day should provide adequate salt intake. It is now discouraged from taking salt tablets because we receive enough salt in our normal diet.

HEAT EXHAUSTION

Symptoms of heat exhaustion include headache, nausea, fatigue, and possible fainting. Often the skin feels clammy and wet. Heat exhaustion is caused by fluid imbalance, salt imbalance and working for long periods of time in heat without taking rests. Treatment involves moving the person out of the direct sunlight and into a cool area, giving the

victim liquids to drink and encouraging them to eat a little food. Seek medical attention to replace necessary fluids and salts. Acclimatization will help prevent heat exhaustion.

HEAT STROKE

The most serious form of heat stress is heat stroke. The body's core temperature may be in excess of 104 degrees. Symptoms include hot dry skin, a shut down of the sweat mechanism, strong rapid pulse, red blotchy skin, mental confusion, and a high core temperature. A person could quickly lose consciousness and die if medical treatment is not started immediately.. The victim must be cooled down immediately. Have the person drink fluids if possible. Acclimatization will help prevent heat stroke.

ACCLIMATIZATION

Acclimatization is vitally important in the prevention of heat stress. The body can adjust to increased heat/work loading if allowed to do so gradually. This process usually takes between 8 to 14 days. A work/rest schedule is needed to allow the body to cool off. The work periods are increased daily and separated by cooling breaks so the body gets used to the increased loads. The body learns to deal with this increase through adjustments in heart rate, sweat rate, breathing, and blood circulation.

SPECIFIC PRECAUTIONS

Resist alcohol, sodas and coffee intake since all of these liquids tends to decrease the body's ability to deal with heat. All are known as diuretics. This means that one will void more liquid than that which is consumed. This can result in dehydration and a greater affinity towards heat stress injuries.

Drink several glasses of water throughout the day. It is also important that food is taken in during the day as well. Food consumption will help prevent the loss of salts and minerals. Pay attention for the signs of heat stress. Watch for signs of heat stress in other workers so they can be treated promptly.

HEAT STRESS MONITORING

Workers should be monitored for heat stress when ambient temperatures are above 70 degrees Fahrenheit. ACGIH recommends that the Wet Bulb Globe Test be used to monitor heat stress load. When ambient conditions exceed 70 degrees fahrenheit (according to the WBGT), monitoring of the worker should occur. To monitor the worker, measure:

Heart Rate - Count the radial pulse during a 30-second period as early as possible in the rest period. If the heart rate exceeds 110 beats per minute (BPM) at the beginning of the rest period, shorten the next work cycle by

one-third, and keep the rest period the same. If the heart rate still exceeds 110 BPM at the next rest period, shorten the next work cycle by one-third and keep the rest period the same. Continue this pattern until the heart rate falls below 110 BPM.

Oral temperature - use a clinical thermometer (three minutes under the tongue) to measure the oral temperature at the end of each work period (prior to drinking water). If the oral temperature exceeds 99.6 degrees F, shorten the work period by one-third without changing the rest period. Repeat this procedure after the next work cycle.

DO NOT permit workers to wear impermeable clothing when their oral temperature exceeds 100.6 degrees F.

COLD STRESS

Hypothermia - results when the body loses heat faster than it can produce it. Blood vessels in the skin and extremities constrict to restrict blood to the vital organs. Hands and feet are the first to be affected. The first sign of hypothermia is involuntary shivering, where the body is attempting to produce more heat. Further signs of heat loss include difficulty with speech, forgetfulness, loss of manual dexterity, collapse, and finally, death. How cold the body gets depends on the air temperature, windchill factor (adding a cooling effect on the cold temperature), and moisture on the skin and clothes.

Denim is not good material for cold temperatures because of its loosely woven material. Goose down is good for stopping wind but useless when wet. Clear plastic or closely woven nylon is good protection from wind and rain but does little to insulate against cold. Many layers of light clothing with an outer shell of windproof and waterproof material maintain body temperature better than one heavy outer garment. Some ventilation of perspiration must be allowed although bare skin should not be exposed to the wind. The head is one of the major areas of heat loss and should be covered with a warm head covering for insulation. If exposed skin begins to sting or tingle, rub the area to stimulate circulation. If the area is numb, do not rub; use warm water or heat to thaw the affected parts.

APPENDIX D
CONFINED SPACE ENTRY PROCEDURE

CONFINED SPACE

Confined space is any area with limited access and egress which allows or can allow the accumulation of hazardous contaminants or allows an oxygen deficient atmosphere to exist. Mobility of enter and exit easily is compromised.

In a confined area, dangerous air contaminants cannot always be prevented or removed by natural ventilation. Whenever an employee works in this type of environment, the chance always exists that a reduced oxygen level, or combustible gas, or toxic gases may be present.

Since all confined spaces represent a potential hazard, special precautionary measures must be implemented to protect the workers. This section outlines the precautionary measures necessary for each entry into the confined space. With thorough training, quality equipment, clear thinking, and responsible actions, the employee who enters the confined space should exit alive and unharmed.

PRIOR TO ENTRY

For all confined space work, an entry checklist system must be implemented by CAL-OSHA regulations (GISO 5156). The purpose of the checklist is to ensure that every necessary precaution has been implemented prior to entry. The checklist is to be completed by the site supervisor, and signed both by the site supervisor and the site safety officer.

It is the responsibility of the site supervisor to make sure all steps are taken to eliminate and/or control the potential hazards, to make sure personnel understand the nature of the hazards which may remain, and the following precautions to follow.

1. The Site Safety Officer must provide for training so that all employees have been made aware of the hazards associated with the job, how the hazards will be controlled, and the proper use of the appropriate respiratory protection.
2. The superintendent must complete the entry checklist and to advise the site safety officer of scheduled entry. This should include an estimate of the number of employees involved, the time to accomplish task, and the nature of the work.
3. If the employee in the confined space can be injured by the accidental influx of steam, liquid, compressed gas, or activation of machinery, the energy source must be disconnected and/or locked out or tagged out before entry.

WORKING IN CONFINED SPACE

Testing for flammability levels and oxygen levels must be made before each entry. An LEL/O₂ meter should be used to check for explosive/oxygen deficient atmospheres. A general procedure to follow consists of first inserting the probe into the confined atmosphere. The purpose of this initial test is to determine if any lighter-than-air combustibles have accumulated in the space. If this first test registers concentrations in the explosive range, additional ventilation is required before entry. After ventilating the space, retest the atmosphere. Testing of the confined space should occur at each level. The areas around all irregular surfaces of the interior should be tested. If the atmosphere tests free of combustibles, and has adequate Oxygen, entrance into the space will be allowed with appropriate personal protective equipment.

Means of egress must be provided as necessary. OSHA has very specific requirements on some types of confined spaces. A winch retrieval system will be implemented for entrance into the bore hole of any depth.

Employees entering into the confined space must be provided with all necessary personal protective equipment. The personal protective equipment shall include the appropriate disposable coverall, gloves, boots, head wear, respiratory protection and safety harness attached to retrieval line.

A minimum of three employees are required to be in attendance for a confined space entry. In addition to the employee actually entering the space, a stand-by observer is necessary. The observer is to remain at the entrance of the space. The observer must be fully equipped and capable of performing a rescue. There must be continuous contact (visual, voice, or line) between the individual within the space and the stand-by observer. In the event of an emergency the stand-by observer will notify the third person that assistance is required. After notification of emergency help is required, the third person shall assist the rescuer in retrieving the employee from the space.

Low voltage portable lights or flash lights must be used in spaces without adequate lighting.

Safety harnesses attached to a lifeline should be worn when making a confined space entry. A retrieval winch system will be implemented because rescue attempts without such a system would be difficult.

APPENDIX E
SITE SAFETY PLAN
ACKNOWLEDGEMENT FORM

STATE WATER RESOURCES CONTROL BOARD

DIVISION OF CLEAN WATER PROGRAMS
 2014 T STREET, SUITE 130
 P.O. BOX 944212
 SACRAMENTO, CALIFORNIA 94244-2120
 (916) 227-4307
 (916) 227-4530 FAX

93 OCT 20 AM 11:13

OCT 15 1993



Don-Sul Inc.
 187 North L Street
 Livermore, CA 94550

Dear Ms. Sullins:

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 000389

The State Water Resources Control Board (State Board) takes pleasure in issuing the attached Letter of Commitment in an amount not to exceed \$100,000. This Letter of Commitment is based upon our review of the corrective action costs incurred to date and your application received on January 17, 1992 and may be modified by the State Board in writing by an amended Letter of Commitment.

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 you will find:

- A "Reimbursement Request Instructions" package. You should retain this package for future reimbursement requests. Among other information, the package includes instructions for completion of the "Reimbursement Request" form and the "Spreadsheet". These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in these instructions are samples of a completed Reimbursement Request form and of a completed Spreadsheet. Samples of two completed Reimbursement Request forms and associated spreadsheets. Within the package also included are:
 - A "Bid Summary Sheet" to document data on bids received.
 - Recommended Minimum Invoice Cost Breakdown.
 - A "Certification of Non-Recovery From Other Sources" which must be returned before any reimbursements can be made.
- "Reimbursement Request" forms which you must use to request reimbursement of costs incurred.
- "Spreadsheet" form 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 Anna Cervin at (916) 227-4388.

Sincerely,


 Dave Deaner, Manager
 Underground Storage Tank Cleanup Fund Program

Attachments

cc: Alameda County Public Health
 San Francisco Bay Regional Water Quality Control Board

LETTER OF COMMITMENT FOR REIMBURSEMENT OF COSTS

CLAIM NO: 000389

AMENDMENT NO: 0

CLAIMANT: Don-Sul Inc.

BALANCE FORWARD: \$0

CO-PAYEE: None

THIS AMOUNT: \$100,000

CLAIMANT ADDRESS: 187 North L Street
Livermore, CA 94550

NEW BALANCE: \$100,000

TAX ID / SSA NO. 94-2525720

Subject to availability of funds, the State Water Resources Control Board (State Board) agrees to reimburse Don-Sul Inc. (Claimant) for eligible corrective action costs at Arrow Rentals, 187 North L St., Livermore (Site). The commitment reflected by this Letter is subject to all of the following terms and conditions:

1. Reimbursement shall not exceed \$100,000 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 II 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 27th day of September, 1993.

STATE WATER RESOURCES CONTROL BOARD

BY Ron Markle for
Manager, Underground Storage Tank Cleanup Fund Program

BY James B. Stafford
Chief, Division Administrative Services

STATE USE :
CALSTARS CODING :
0550 - 569.02 - 30530

\$

STATE WATER RESOURCES CONTROL BOARD

DIVISION OF CLEAN WATER PROGRAMS

2014 T STREET, SUITE 130

P.O. BOX 944212

SACRAMENTO, CALIFORNIA 94244-2120

(916) 227-4307

(916) 227-4530 FAX



OCT 15 1993

01-0124
L

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Livermore, CA 94550

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Sincerely,

Dave Deaner, Manager
Underground Storage Tank Cleanup Fund Program

Attachments

cc: Alameda County Public Health
San Francisco Bay Regional Water Quality Control Board

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AMENDMENT NO: 0

CLAIMANT: Don-Sul Inc.

BALANCE FORWARD: \$0

CO-PAYEE: None

THIS AMOUNT: \$100,000

CLAIMANT ADDRESS: 187 North L Street
Livermore, CA 94550

NEW BALANCE: \$100,000

TAX ID / SSA NO. 94-2525720

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1. Reimbursement shall not exceed \$100,000 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.
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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.
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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.
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STATE WATER RESOURCES CONTROL BOARD

BY Don Markle
Manager, Underground Storage Tank Cleanup Fund Program

BY James B. Stafford
Chief, Division Administrative Services

STATE USE :
CALSTARS CODING :
0550 - 569.02 - 30530

\$



"We Rent Most Everything"

SEP 20 PM 12:20



Sept. 16, 1993

Ms. Eva Chu
Dept. of Environment Health
80 Swan Way, Suite 200
Oakland, Ca. 94621

Dear Eva,

In response to your letter of
July 23, 1993 & our telephone conversations,
please find enclosed a copy of our signed
contract with Woodward - Clyde.

If you have
any questions, please call me at (510) 449-4741.

Sincerely,

Pete Sullivan

cc: Anna Curran, SWRCB

cc: Eddy-Lo, RWQCB

449-4741

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 4132

July 23, 1993

Mr. and Mrs. Tony Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

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

Subject: CAP for Arrow Rentals, 187 North L St., Livermore 94550

Dear Mr. and Mrs. Sullins:

On November 9, 1992, this office requested a Corrective Action Plan (CAP) to further 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 at the above referenced site. To date we are not in receipt of the CAP.

In recent conversations, you stated you have begun to seek bids for using a dual vacuum extraction system to remediate the site. Upon selection of your consultant, please submit **within 60 days of the date of this letter** a signed contract, which should include a project time schedule of each phase of the remediation process, including the startup date of field activity. Also, send a copy of the signed contract to the State Water Resources Control Board, who will determine if you are in compliance with the Underground Tank Corrective Action Regulations and subsequent eligibility for underground storage tank cleanup funding.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

eva chu
Hazardous Materials Specialist

cc: Anna Cervin, SWRCB
files

arrow2

LOP - CHANGE RECORD REQUEST FORM

printed:
11/03/93

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

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 4132
 SITE NAME: Arrow Rentals DATE REPORTED : 03/29/89
 ADDRESS : 187 N. L St. DATE CONFIRMED: 03/29/89
 CITY/ZIP : Livermore 94550 MULTIPLE RPs : Y

SITE STATUS

 CASE TYPE: S CONTRACT STATUS: 4 EMERGENCY RESP: -0-
 RP SEARCH: S DATE COMPLETED: 11/03/92
 PRELIMINARY ASMNT: - DATE UNDERWAY: -0- DATE COMPLETED: -0-
 REM INVESTIGATION: - DATE UNDERWAY: -0- DATE COMPLETED: -0-
 REMEDIAL ACTION: - DATE UNDERWAY: -0- DATE COMPLETED: -0-
 POST REMED ACT MON:- DATE UNDERWAY: -0- DATE COMPLETED: -0-
 ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 11/03/92
 LUFT FIELD MANUAL CONSID: 2
 CASE CLOSED: - DATE CASE CLOSED: -0-
 DATE EXCAVATION STARTED : -0- REMEDIAL ACTIONS TAKEN: UK

RESPONSIBLE PARTY INFORMATION

 RP#1-CONTACT NAME: Rita Sullins
 COMPANY NAME: Donsul, Inc.
 ADDRESS: 187 North L Street
 CITY/STATE: Livermore, C A 94550

RP#2-CONTACT NAME: Attn. Stan Roller
 COMPANY NAME: Mobil Corp.
 ADDRESS: 3800 W. Alameda Av. #700
 CITY/STATE: Burbank, C A 91505-4331

INSPECTOR VERIFICATION:			
NAME	SIGNATURE	DATE	
Name/Address Changes Only			
ANNP GMS		LOP	DATE
DATA ENTRY INPUT:		Case Progress Changes	
LOP		DATE	

NO NOK Am L



See
4/28/93

4-26-93

Dear Eve,

Enclosed is a copy of the
Invitation for Bid which was given
out to a few companies on Thurs
& Fri, April 22 - 23.

The Invitation
for Bid was written in this way at the
request of Anna Carmi who asked me
to follow the guidelines outlined in
the VST fund booklet. Since I do
not have the experience to write an
(I.V.B) myself, I used the services of
Woodward Clyde to draw this up.

If you
have any questions, please give me a
call.

Sincerely,

Ed Sullivan

See
2/16/93

50 FEB 15 1993

DON SUL, INC.
187 North "L" Street
Livermore, California 94550

February 11, 1993

Ms. Eva Chu
Alameda County Health Agency
80 Swan Way, Room 200
Oakland, California 94621

Subject: Update on Arrow Rentals Site

Dear Eva,

This letter will update you on actions we are taking to the remediate contamination at 187 North "L" Street, the site of our business, the Arrow Rentals Company. After meeting with yourself and Mark Thompson from the the District Attorney's office on November 23, 1992 we followed through on the two items about which we were asked to gather information. I found that the Arrow Rentals site was occupied by a business called Phil's Tire Service between the closure of Mobil Service Station in approximately 1969 and purchase of the site by Don Sul, Inc. (Arrow Rentals) in March 1972. We obtained copies of the old phone book pages listing Phil's Tire Service at 187 North "L" Street which are enclosed for your file.

The other information you asked for in December was copies of certain gas chromatograms. Those gas chromatograms were essential to Woodward Clyde's determination that Mobil is the responsible party for gasoline leaks prior to 1969 in the pipeline that traversed between the underground storage tanks (at B-1) and the Mobile pump island. Those chromatograms were forwarded to you by Leslie Peeters from SAIC on December 22, 1992.

We are continuing to work to obtain funding from the Underground Storage Cleanup Fund and have been designated as Priority B business. We believe that our case file will be examined in late February for possible funding.

We are also continuing to proceed with the litigation against the insurance company which insured us at the time Pitcock Petroleum spilled 600 gallons of gasoline down our underground storage tank monitoring tube in 1985. However, we have been told that the earliest possible trial date would be in 1994.

As you are aware, Mr. Thompson of the District Attorney's office is continuing to search for a legal basis to issue a Cleanup and Abate Order to Pitcock Petroleum, the party responsible for the unauthorized release of 600 gallons in 1985.

Finally, we have been researching information about hand bailers to address the possible floating product in the ground water under 187 North "L" Street. I attach some information for your review. I also enclose a handwritten note from Al Ridley of Woodward Clyde. Mr. Ridley is helping us at no cost and, understandably, is now sending handwritten notes rather than fancy typed reports. Please review his notes and discuss his suggestions with me.

Finally, we have been spending money for years addressing this problem and no longer have any financial reserves. Your assistance in obtaining the cooperation of the truly responsible parties, Mobil Oil Corporation and Pitcock Petroleum, would certainly be appreciated.

Sincerely,



Carlton Sullins
President

Enclosures

cc: Peter MacDonald
Leslie Peeters
Al Ridley
Mark Thompson

Tire Dealers & Distrs--(Cont'd)

GENERAL TIRE SERVICE CO
1010 A -----582-7772

GENERAL TIRES

Goes A Long Way



To Make Friends

"WHERE TO BUY THEM"

DEALERS

GENERAL TIRE SERVICE CO
1010 A -----582-7772

GENERAL'S AUTOMOTIVE & AIR CONDITIONING SERVICE
20260 Mln Bl -----276-2772

GENERAL TIRE SERVICE
1682-1st Lvrnr -----447-1944
6995 Central Av Newark -----793-8110
(Please See Advertisement Page 591)

GOODRICH B F TIRES

USE YOUR CREDIT

More Safety



More Mileage

New Tires ... Retreads ... Used Tires
Batteries ... Accessories and Service

"WHERE TO CALL"

DEALERS

BIG-O-TIRES 22314 Mln Bl -----581-4505
BIG-O-TIRES 6938 Thornthn Av(N) -----797-8140
GOODRICH B F CO THE 24087 Mission Bl -----581-3963
HAL'S TEXACO 40909 Fremnt Bl(F) -----656-9996
Jim's Texaco Service 2730-1st(L) -----447-0625
TOM'S TEXACO SERVICE 528 Jackson -----538-6461
WESTERN TIRE CO 745 Industrial Parkway West -----537-9200

GOODYEAR TIRES

More people ride on Goodyear Tires than on any other kind.



Let the Goodyear dealer be your Tire Service Headquarters.

"WHERE TO BUY"

DEALERS

ARNEY'S JIM 24 HR RICHFIELD SERV
Aligning-Balancing-Brakes
2770 Castro Valley Bl(CV) -----582-8414

ASHLAND TEXACO SERVICE
16660 East 14th St -----278-5025

CARPENTER'S SUPER SHELL SERVICE 27501 Loyola Av -----783-9899

FOXWORTHY'S AUTO SUPPLY 534 Lewelling Bl(SL) -----351-0913

GOODYEAR TIRE & RUBBER CO SERVICE STORES 1139 A -----582-5100
39090 Fremont Bl Fmt -----792-3363
Goodyear Tire & Rubber Co Service Stores 15498 E 14th(SL) -----276-1363

NEIGHBORS 20579 Santa Maria Av(CV) -----538-5151

NELSON TIRE SERVICE OF CALIF INC 460 Heugrbrg Rd Oaklnd -----569-5117

STAN'S SHELL SERVICE 1309 Portola Av Lvrnr -----447-1372

TIRE EXCHANGE 2338-1st(L) -----447-4747

STOP THOSE SPOTS

To prevent old oil or grease spots on walls from "leading" through onto new wallpaper apply coat of clear shellac before painting.

Tire Dealers & Distrs--(Cont'd)

GRAND AUTO STORES
Sales & Installation of Cordovan Tires & Batteries
Sold Nationwide by over 3,500 Dirs
No Money down-Easy Credit

39270 Fremont Bl Fmt -----792-3770
22683 Main -----581-1051
1511-1st Lvrnr -----443-4200
1699 E 14th San Leandro -----483-4736
15604 Hesperian Blvd San Lorenzo -----276-7822

HAYWARD CENTRAL TIRE SERVICE 22701 Watkins -----581-9543

HAYWARD TIRE & BRAKE 22328 Mln Bl -----582-3245
(Please See Advertisement Page 589)

INGLES CHEVRON SERVICE STN 2295-1st Lvrnr -----447-0494

Irvington Wheel & Brake Service 3681 Washington Bl(F) -----656-5758

K & L TIRE SERVICE 17945 Hesperian Bl(SLZ) -----276-4213
(Please See Advertisement Page 590)

K & L Tire Service 26253 Mission Bl -----538-3800

L & V Tire Outlet 37433A Centralmont Pl Fmt -----793-6353
(Please See Advertisement Page 592)

Larry's Union Service 43505 Mission Bl Mln Sn Jse -----656-9950

Lawson's Chevron Service 17555 Hesperian Bl(SLZ) -----276-7660

Meadow Square Chevron 41500 Blacow Rd(F) -----656-9890

MICHELIN STEEL CORD TIRES--

HAYWARD DISTRIBUTORS

WAGLE JACK TIRE & WHEEL SERVICE 21739 Mission Bl -----581-9129

WESTERN TIRE CO 745 Industrial Parkway West -----537-9200

MICHELIN X RADIAL STEEL CORD TIRES

THE Original RADIAL TIRE



QUALITY
LONG LIFE
ECONOMY
"YEARS AHEAD IN SAFETY"

"WHERE TO BUY THEM"

Gerard Tire Service 6995 Central Av(N) -----793-8110

Gerard Tire Service 1682-1st Lvrnr -----447-1944

Murphy's Inc Tire Engineering 7727 Oakport Oakland -----632-8855

MIDAS MUFFLER SHOP 24659 Mission Bl -----537-2550

MONTGOMERY WARD & CO 39201 Fremont Bl Fmt -----792-1700
1155 Beacher San Leandro -----638-5563

Morell Union Service Station 38348 Glenmoor Dr Fmt -----793-3666

Murray Kelsoe's Union Service 2445 Castro Valley Bl Castro Vly -----581-6700

NEIGHBORS 20579 Santa Maria Av(CV) -----538-5151
(Please See Advertisement Page 592)

North American Tire 16552 E 14th St -----276-8730

O K Tire Stores 2470 Castro Valley Bl(CV) -----581-0660
(Please See Advertisement Page 589)

Paul Salinero's Union 76 915 Whipple Rd(UC) -----471-9810

Pruf's Union City Service 33663 Mission Bl UC -----471-9871

PENNEY J C CO INC 340 Southland Mall -----783-0300
(Please See Advertisement Page 592)

PHIL'S TIRE SERVICE 187 North L Lvrnr -----447-7818

NAIL POLISH FOR METAL

To keep the bright metal bands on kitchen sinks and counters from staining your apron black, touch up the bands with colorless lacquer. If you can't get the lacquer, colorless nail polish will do.

Tire Dealers & Distrs--(Cont'd)

PIRELLI TIRES--

DEALERS

SUPERIOR TIRE 23901 Mission Bl -----581-1166

Quillen Tire Service -----582-2008

RAYCO TIRES--

SALES & SERVICE

FOUR WHEEL BRAKE SERVICE
Open Daily 8 AM-10 PM
Open All Day Saturday
22484 Mission Bl -----537-0484

Ray's Union Service 3020 Grove Wy Castro Vly -----581-9664

Richey's Richfield Service 4088 Thornthn Av(F) -----793-1076

ROUSH AL TIRE SERVICE 22421 Mission Bl -----581-3071

Royal Tire & Brake 4233 Peralta Bl(F) -----797-9466
(Please See Advertisement Page 592)

San Lorenzo Tire & Auto Service 18700 Hesperian Bl -----278-1665


SEMPERIT TIRES--

DISTRIBUTORS

ANDERSON TIRES INC 1280 N 10th San Jose -----293-6073

SHELL TIRES

COMPLETE LINE OF QUALITY TIRES FOR CARS & TRUCKS - DOMESTIC & FOREIGN



"WHERE TO BUY THEM"

CANTIN BROS SHELL SERVICE 15105 Hesperian Bl(SL) -----276-9746

Dick's Shell Service 42245 Fremont Bl Fmt -----656-2933

DIXON SHELL SERVICE 1784-150th Av SL -----276-6556

FIRST STREET SHELL SERVICE 1737-1st(L) -----447-5712

Fremont Plaza Shell 39080 Fremont Bl Fmt -----792-1220

Gary's Shell 37064 Niles Bl Fmt -----792-2048

Gary's Shell Service 4226-1st Pls -----846-6383

Joe Maynard's Shell Serv 40648 Fremnt Bl(F) -----657-3122

MARSH DON SHELL SERVICE 223 W Winton Av -----783-2312

Olivera Vincent Shell Service 98 Lewelling Bl(SLZ) -----278-3873

San Ramon Village Shell Serv 7194 Amade Vly Bl Dublin -----828-3718

SANTOS SHELL SERVICE 2001 Decoto Rd UC -----471-7864

Stan's Shell Service 1309 Portola Av Lvrnr -----447-1372

TONY'S SHELL SERVICE 22253 Foothill Bl -----538-7092

Warm Springs Shell Service 46995 Warm Springs Bl(F) -----657-6612

WILLIAMS IRA SHELL SERVICE 318 S Lvrnr Av(L) -----447-9097

Stan Shenkel's Chevron Service 17715 Mission Bl -----276-9960

FOUR THOUGHTFUL ITEMS OF TELEPHONE PROCEDURE

1. Please answer promptly.
2. Please be on the line when the party you want answers.
3. Please speak distinctly and without hurrying, with the lips close to the mouthpiece.
4. Please replace the receiver gently when through talking.

Tire Dealers & Distrs--(Cont'd)

Standard Oil Company of California Western Operations Inc Standard Stations Inc

B & 2d 1194 B -----581-9956
Croak Rd & Hwy 50 Lvrnr -----447-9911

Fremont Bl & Thornton Av 37011 Fremont Bl(F) -----793-9897

Hesperian Bl & Chanslor 24250 Hesperian Bl -----783-9890

Hesperian Bl & Paseo Grande 15900 Hesperian Bl(SLZ) -----276-9974

Wilbeam & Castro Valley Bl Castro Vly 3369 Castro Valley Bl(CV) -----581-9386

Steve Frost's Chevron Service 40910 Fremont Bl Fmt -----656-9997

Superior Tire 23901 Mission Bl -----581-1166
(Please See Advertisement Page 591)

Superior Tire Co 21011 Mission Bl -----276-1770

Tire Exchange 2338-1st(L) -----447-4747


Tire Salvage Corp 1680 S Main Milpits -----262-2270
(Please See Advertisement Page 591)

Tyre Treds Inc 22314 Mission Blvd -----581-3378

UNION CITY TIRE 30740 Dyer UC -----471-4747

UNIROYAL TIRES

Home of **TIGER PAW** and **THE RAIN TIRE**



"WHERE TO BUY THEM"

HAYWARD TIRE & BRAKE 22328 Mln Bl -----582-3245

VALLA TIRE CO 1056 E 14th San Leandro -----635-3676

VOGUE TYRES--

SUTHERLAND'S
Recapping-White Side Wall Specialists
3326 Piedmont Av Oaklnd -----832-7370

WAGLE JACK TIRE & WHEEL SERVICE 21739 Mission Bl -----581-9129
(Please See Advertisement Page 592)

WESTERN TIRE CO 745 Industrial Parkway West -----537-9200

White Front Automotive Center 5789 Mowry Av Nwrk -----793-9604

Tire Mfrs & Whsle

Gerard Tire Service 6995 Central Av Nwrk -----793-8110

Hayward Tire & Brake 22328 Mln Bl -----582-3245

QUILLEN TIRE SERVICE -----582-2008


Tyre Treds Inc 22314 Mission Blvd -----581-3378

Tire Recapping, Retreading & Repairing

AL ROUSH TIRE SERVICE 22421 Mission Bl -----581-3071

BANDAG

COLD PROCESS RETREADING UP TO DOUBLE THE MILEAGE OF ANY OTHER RECAP



ALL TRUCK & INDUSTRIAL TIRES RADIAL - WIDE BASE - LOW BOY - SOLIDS

"FOR INFORMATION CALL"

ALSCO INDUSTRIES INC 2423 Poplar Oakland -----444-0186

BAY VULCANIZERS INC
Solid Tires & Recapping
2824 Helen Oakland -----451-6005
(Continued Next Page)

YELLOW PAGES advertising puts the name of your business and products before ready-to-buy customers.

Dealers & Distrs--(Cont'd)

HAND AUTO STORES
Sales & Installation of
Continuan Tires & Batteries
Sold Nationwide by over 3,500 Dirs
No Money down-Easy Credit
19270 Fremont Bl Fmt-----792-3770
12683 Main-----581-1051
1511-1st Lvrnr-----443-4200
1897 E 14th San Leandro-----483-4736
15604 Hesperian Blvd
San Lorenzo-----276-7822
Bryan Chevron Service
40910 Fremont Bl Fmt-----656-9997
AYWARD CENTRAL TIRE SERVICE
21701 Watkins-----581-9543
AYWARD TIRE & BRAKE
22328 Main Bl-----582-3245
(Please See Advertisement Page 596)
WHEELS CHEVRON SERVICE STN
1259-1st Lvrnr-----447-0494
Kingston Wheel & Brake Service
1881 Washington Bl(F)-----656-5758
Enco Product Station
40500 Fremont Bl Fmt-----656-0422
Wiley's Union 76
900 S Livermore Av Lvrnr-----447-9916
(Please See Advertisement Page 600)
L & V Tire Outlet
17433A Centralmont Pl Fmt-----793-6353
(Please See Advertisement This Page)
Lawson's Chevron Service
17555 Hesperian Bl(SLZ)-----276-7660

DEALERS

GERARD TIRE SERVICE
6995 Centrl Av Nwrk-----793-8110
1682-1st Livermore-----447-1944
4233 Peralta Bl Fremont-----792-3122

Madison Square Chevron
41500 Blacow Rd(F)-----656-9890

**MICHELIN X RADIAL
STEEL CORD TIRES**

THE Original
RADIAL TIRE
QUALITY
LONG LIFE
ECONOMY
"YEARS AHEAD IN SAFETY"
"WHERE TO BUY THEM"



Gerard Tire Service
6995 Centrl Av(N)-----793-8110
Gerard Tire Service
4233 Peralta Bl Fmt-----792-3122
Gerard Tire Service
1682-1st Lvrnr-----447-1944
Murphy's Inc Tire Engineering
7727 Oakport Oakland-----632-8855
Wagie Jack Tire & Brake Service
21739 Mission Bl-----581-9129

When in doubt about a telephone number, please look in the telephone directory first. That helps you, helps others, and helps telephone people to do a better job for you.

MIDAS MUFFLER SHOP
24659 Mission Bl-----537-2550

MOBILE TIRE & BALANCING SERVICE

NEW TIRE SALES
DYNAMIC
ON THE TRUCK BALANCING
WE COME TO YOU
Portable Balancing Service
Any Size Tire
TERMS AVAILABLE
MEL WILSON - OWNER
-----276-5700

MONTGOMERY WARD & CO
39201 Fremont Bl Fmt-----792-1700
1155 Beecher San Leandro-----638-5563

Advertise here—it pays.

Morell Union Service Station
38348 Glenmoor Dr Fmt-----793-3666

NEIGHBORS
20579 Santa Maria Av(CV)-----538-5151
(Please See Advertisement This Page)
O K Tire Stores
2470 Castro Valley Bl(CV)-----581-0660
(Please See Advertisement Page 596)
Paul's Union City Service
33663 Mission Bl UC-----471-9871
PENNEY J C CO INC
340 Southland Mall-----783-0300
PHIL'S TIRE SERVICE
187 North L Lvrnr-----447-7818

OILED ICE TRAYS
Rub salad oil or cooking oil on the outsides of ice trays before you put the trays in the freezer. When you want a tray of ice, it will slide right out.

PIRELLI TIRES

RADIAL TIRES
OF SUPERB
QUALITY
For All American
And
Imported Cars

PIRELLI

"WHERE TO BUY THEM"
DEALERS
S & K Toyota 21715 Mission Bl-581-6464
Superior Tire and Brake
21011 Mission Bl-----276-1770
Superior Tire & Brake
23901 Mission Bl-----581-1166

(Continued Next Page)

You can call telephone Repair Service day or night. See the front pages of the white section.

DAYTON TIRES

LOW—LOW—PRICES

6 CONVENIENT LOCATIONS

Oakland 562-1453 80 Hegenberger Rd.	Oakland 465-9200 30th & San Pablo	San Francisco 771-3288 950 Bush St.	So. San Francisco 588-7257 190 Produce Ave	Los Altos 326-5913 4500 El Camino Bl.	San Jose 297-6710 461 Calaman Ave.
--------------------------------------------------	------------------------------------------------	--------------------------------------------------	---------------------------------------------------------	----------------------------------------------------	-------------------------------------------------

CHARGE IT ON
"CHECK OUR PRICES BEFORE YOU BUY"
MASTER CHARGE-BANKAMERICARD-CARTER BLANCHE-DINERS' CLUB-AMERICAN EXPRESS

DUNLOP MICHELIN X RADIALS

CARS - TRUCKS - IMPORTS

COMPLETE BRAKE & WHEEL ALIGNMENT SERVICE
INSTANT CREDIT WITH VALID CREDIT CARD
RETRADING - FLEET SERVICE

581-9129

JACK WAGLE TIRE & BRAKE SERVICE

SINCE 1950

21739 MISSION BLVD. HAYWARD

GOODYEAR
The Only Maker Of The
POLYGLAS TIRE

Polyglas tires fight squirm... save the tread for longer life and improve road grip.
See us now! We've got a quality Goodyear tire to fit every car and every pocketbook.

COMPLETE TIRE SERVICE
COMPLETE • RECAPPING • BALANCING
BRAKE SERVICE • ALIGNMENT • TIRE REPAIR
BankAmericard-Master Charge

NEIGHBORS
20579 SANTA MARIA AVE.
CASTRO VALLEY
538-5151

FREMONT'S
Complete TIRE Service Center
AUTO - TRUCK - FARM
WHEEL BALANCING - ROAD SERVICE

793-6353

BUDGET TERMS

L & V TIRE OUTLET
37433A CENTRALMONT PLACE
FREMONT

Memorandum

Woodward-Clyde Consultants

Consultants

Engineer: A. S. O'Brien

To: Tony Sollins
Arrow Rentals:From: Al Ridley
Office: Oakland

Subject: Bailing Well W-1

Date: 2/9/93

TO: John
FIRM: With petroleum product

TEL: (510) 438-1000

FROM:

Here is a new Filter Canister Product that might be used to collect floating product from well W-1. If this product is not available to fit the diameter of well W-1. You may remove floating product and some water with a bailer. You might begin by removing 1 or 2 gallons of water from the well on a weekly basis. This water should be placed in a 55 gallon drum for proper storage and disposal. You should keep written records of the water and product removed. This would be an interim remedial measure.

SHOULD YOU HAVE ANY

PLEASE

PHONE NUMBER (510)

OUR TELECOPY NUMBER IS

A more detailed discussion of filter canisters is presented in an article entitled "Cutting the High Cost of Free Product Removal," published in *LUSTLine* (Bulletin 16, March 1992). To order this publication send \$2.50 to:

NEIWPCC
85 Merrimac Street
Boston, Massachusetts 02114
800 424-9364

You may contact manufacturers of filter canisters and similar devices that incorporate filters. As of October 1992, EPA is aware of the following manufacturers:

EnviroProducts, Inc.
1431 Renson Street, Suite A
Lansing, Michigan 48910
800 368-4764

Halliburton NUS Environmental Corporation
16360 Park 10 Place, Suite 300
Houston, Texas 77084
713 492-1888

Homer Creative Products, Inc.
212 Morion Street
Bay City, Michigan 48706
800 443-0711

Keck Instruments, Inc.
P.O. Box 345
Williamston, Michigan 48895
800 542-5681

ORS Environmental Equipment
32 Mill Street
Grenville, New Hampshire 03048
800 228-2310

PJ Products Company
30 Greenfield Lane
Scituate, Massachusetts 02066
617 545-1685

First-Class Mail
Postage and Fees Paid
EPA
Permit No. G-35

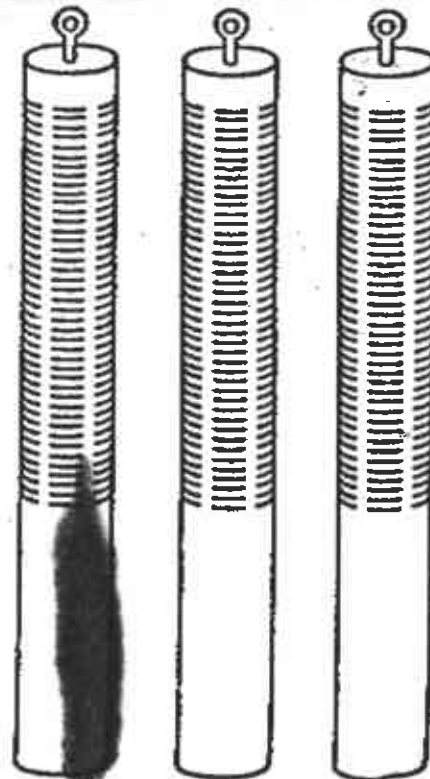
Jay Clare W0# 05958
Engineer
Woodward - Clyde Consultants
508 12th St.
Suite 100
Oakland CA

94687

United States
Environmental Protection
Agency
Washington, DC 20460
(OS-420) WF
Official Business
Penalty for Private Use
\$300

EPA Filter Canisters

A New Method For Recovering Free Product



Printed on Recycled Paper

TEL:

Feb 09 93 10:54 No.009 P.04

Some Information About Filter Canisters

Filter canisters can help to clean up contaminated sites by removing liquid petroleum, known as free product, floating on groundwater.

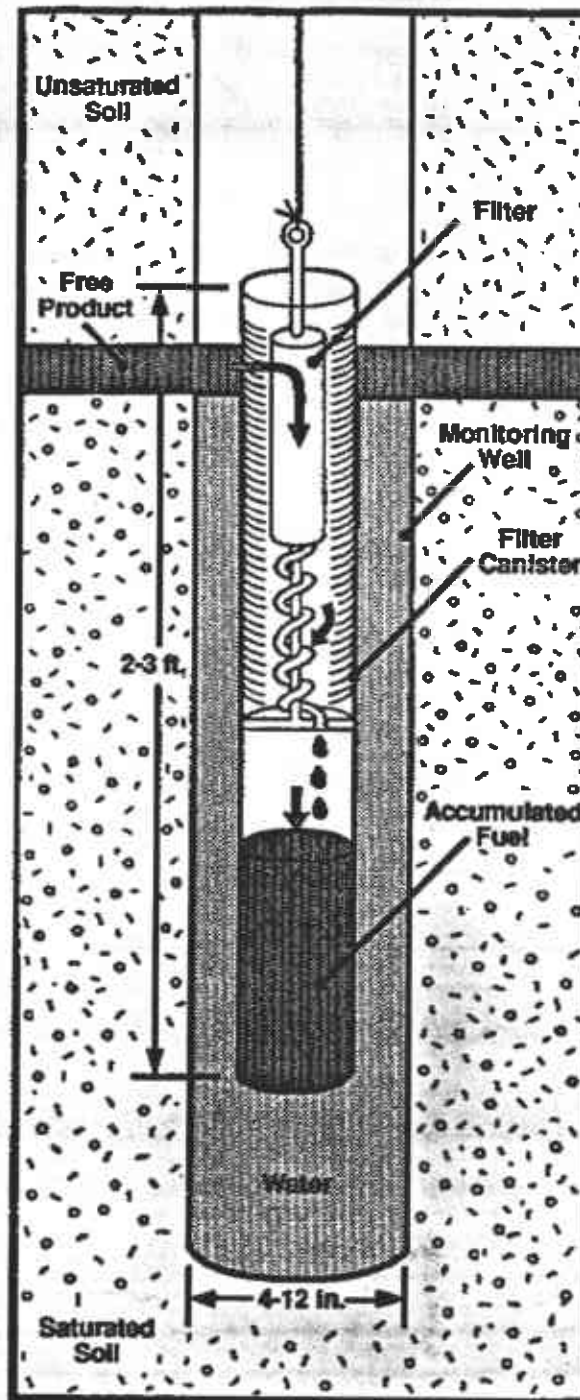
The diagram shows a filter canister that has been lowered into a monitoring well so that it contacts the layer of free product floating on top of the groundwater. The filter is constructed of a material which allows free product, but no groundwater, to enter. Gravity causes free product to trickle through the filter and then drip into the bottom of the canister.

Canisters can store between 0.5 to 2.0 gallons of free product. The free product that is collected can be removed from canisters either manually or automatically. Manually operated canisters are pulled up and emptied much like a bailer. Automated canisters are emptied without removal by means of a suction pump. Recovered free product can be up to 100-percent pure petroleum that is ready to be reused or recycled.

Some Applications Of Filter Canisters

Use filter canisters to:

- Initiate removal of free product immediately.
- Remove free product at sites with low-permeability soils or low-yield wells, where traditional pumping methods are ineffective.
- Remove thin layers of free product and intermittently occurring free product.
- Complement other treatment techniques such as pump-and-treat, vapor extraction, and air sparging.



Some Advantages Of Filter Canisters

Filter canisters have a variety of advantages.

- Filter canisters do not disturb or draw down the groundwater level, so they minimize the "sneaking" of free product below the water table.
- Petroleum is separated from water, so discharging and treating contaminated water is unnecessary.
- Filter canisters can be installed in monitoring wells in only minutes.
- Permits are not required to install or operate filter canisters.
- Canisters are relatively inexpensive; prices range from \$400 to \$1000 per canister.
- More free product can be removed with less effort than with traditional manual bailing.
- Canisters are reusable.
- No power source is required.

Some Limitations Of Filter Canisters

Filter canisters do not remove fuel bound to soil or dissolved in groundwater. Filter canisters recover only free product.

The rate of free-product recovery depends on the thickness of the free product and the rate of flow into the well. Filter canisters do not control groundwater gradient. If free product is spreading quickly, separate groundwater gradient control may be required to prevent further migration of contamination. Several filter canisters may be needed to capture all of the free product.

Because filter canisters have been in wide use for less than a year only limited performance data are available.



Science Applications International Corporation
An Employee-Owned Company

shd 4132

13
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December 22, 1992

Ms. Eva Chu
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Suite 200
Oakland, CA 94621

Subject: 187 N "L" Street (Arrow Rentals Site), Livermore CA

Dear Ms. Chu:

Mr. Peter MacDonald, the attorney representing Don Sul, Inc., contacted me regarding your request for the gas chromatograms from the Phase 2 Site Exploration conducted at 187 N "L" Street in Livermore by Woodward Clyde Consultants in April 1989. In response to your request, I am enclosing the chromatograms that Don Sul, Inc. had purchased from Sequoia Analytical in August 1989. If you have questions or additional requests please contact Mr. MacDonald at (510)462-0191.

Sincerely,

A handwritten signature in cursive script that reads "Leslee Peeters". The signature is written in black ink and is positioned above the printed name.

Leslee Peeters

cc: Peter MacDonald (w/o encl.)
Tony and Rita Sullins (w/ encl.)

11/23/92

my + Rth
KTA Sollino, Peter MacDonald, Mark Thomson, Eva

lost 1/2 lb / ~ in 1984

June 18, 1985 ~~overfilled~~ pumping into V. well.

but Pitcock says Oct 8, 1986 -

" " unknown amts of gas.

but Pitcock does admit to event of pumping into V. well.

Livermore Fed. Agency did phase I w/o Sollino knowing

Late 1987 " " interest in property

13

Mike Porazzo ^{san Jose} attn, retained under CERCLA may still be
able to litigate against Pitcock

Law suit against Sollino insurance company - et date Jan 1994

Mosma Riordan owned property but Mobil operated from
to 1968.

From 1968-1972 unknown if tanks were used -

in 1968? mobile installed 1.05T

When ~~tanks~~ removed in 1984 - no SS?

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 4132

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

November 9, 1992

Tony and Rita Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

**Subject: Corrective Action Plan for Arrow Rentals,
187 North L St., Livermore 94550**

Dear Mr. and Mrs. Sullins:

This office has reviewed the case file for the above referenced site. Field work performed to date appears to adequately delineate the extent of soil and ground water contamination at the site. The latest report, Soil and Groundwater Characterization Study, dated June 12, 1991 and prepared by Woodward-Clyde Consultants, show monitoring well W-1 to contain free floating fuel product. We are not in receipt of reports documenting any interim action taken to abate the potential effects of free product in groundwater.

Please be advised, pursuant to Section 2655 of Article 5, Title 23 of the California Code of Regulations (23 CCR), the owner or operator shall conduct free product removal in a manner that will minimize the spread of contamination into previously uncontaminated zones. Free product removal reports must be prepared in compliance with said section and be submitted within 45 days upon completion of interim remediation.

At this time, pursuant to requirements set forth under Article 11, 23 CCR, Section 2720 et seq., 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**. Include a time schedule for the completion of each aspect of the remediation process. Interim remedial action can occur concurrently with any phase of corrective action, that is, free product removal should begin as soon as possible. Field work for site cleanup shall commence within 60 days upon approval of the CAP.

In addition, 23 CCR, Section 2652(d), requires the owner or operator of an underground storage tank facility to submit reports every three months, or at a more frequent interval as specified by the local agency or Regional Water Quality Control

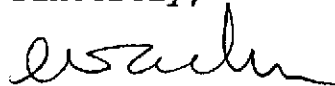
Tony and Rita Sullins
Arrow Rentals
November 9, 1992
Page 2 of 2

Board (RWQCB), until investigation and cleanup are complete. We are not in receipt of any reports documenting work performed after June 1990. At this time, you must reinstate a quarterly schedule of well sampling and monitoring. Technical summary reports documenting each well sampling and monitoring episode are also due quarterly. This schedule shall continue until further notice. Copies of all reports should also be sent to Mr. Eddy So of the RWQCB.

Please be advised that this is a formal request for technical reports pursuant to California Water Code Section 13267(b). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB.

If you have any questions or comments on the content of this letter, please contact me at (510) 271-4530.

Sincerely,



Eva Chu
Hazardous Materials Specialist

cc: Eddy So, RWQCB
Danielle Stefani, Livermore Fire Department
Gil Jensen, Alameda County District Attorney's Office
Peter MacDonald, 400 Main St., #210, Pleasanton 94566
Stan Roller, Mobil Oil, 3800 W. Alameda Ave., #700,
Burbank, CA 91505-4331
Edgar Howell/files

arrow

LAW OFFICE
PETER MACDONALD
400 MAIN STREET, SUITE 210
PLEASANTON, CALIFORNIA 94566-7371

(510) 462-0191
FAX (510) 462-0404

November 4, 1992

Ms. Eva Chu
Alameda County Health Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

Subject: Responsible Parties: 187 North L Street, Livermore

Dear Ms. Chu:

This letter follows our conversation from this morning. As you requested, the address of Pitcock Petroleum Company is 220 Hookston Road, P.O. Box 23684, Pleasant Hill, Ca. 94523.

We also discussed the determination of responsible parties for the contamination at 187 North L Street in Livermore.

The primary responsible parties are identified in the reports by the Woodward-Clyde Consultants dated June 12, 1991 and April 17, 1992. Specifically, Woodward-Clyde has identified Mobil Oil Company and Pitcock Petroleum Company as the primary responsible parties. (I understand that, by definition, the owner of the land may be called a "responsible party", even when he did not cause the unauthorized release.) Don Sul would be willing to enter into an appropriate consent decree but the other responsible parties will probably refuse to respond to anything other than a "cleanup and abate" order.

You also expressed concern regarding jurisdiction over the responsible parties. Appendix E of the June 12, 1991 Woodward-Clyde Report includes historical evidence of Mobil's prior ownership of a service station at 187 North L Street. Most significant in Appendix E is a copy of the building permit which was issued to "Socony - Mobil Oil Co." as "Owner" to "Add Underground Storage Tank" on December 2, 1960 at "187 No. L Street."

Pitcock Petroleum would also be a responsible party within the terms of the relevant guidelines. Appendix F of the June 12, 1991 Woodward-Clyde Report contains the sworn declaration of Gary Pinks, the Manager of Arrow Rentals on June 18, 1985. On that date, Mr. Pinks gave the key to the underground storage tank to a driver from Pitcock Petroleum Company. While in control of the key and the underground storage tank, the Pitcock Petroleum driver pumped approximately 600 gallons of gasoline down the vapor monitoring well to that underground storage tank.

With regard to jurisdiction over Pitcock Petroleum, Cal. Code Regs., Title 23 Section 2720 defines a "Responsible party" to include

"... (4) Any person who had or has control over an underground storage tank at the time of or following an unauthorized release of a hazardous substance."

In this case, when the Arrow Rentals manager delivered the key the underground storage tank to the driver from Pitcock Petroleum and authorized him to take control of the underground storage tank for the purpose of delivering 500 gallons of gasoline, that driver became a "... person who had control over an underground storage tank ..." within the meaning of Section 2720. When the Pitcock driver pumped gasoline down the vapor monitoring tube, he became a "person who had ... control over an underground storage tank at the time of... an unauthorized release of a hazardous substance" within the meaning of Section 2720.

The driver was an employee of the Pitcock Petroleum Company, acting in the course and scope of his employment, so, Pitcock Petroleum Company was the "person" in control of the underground storage tank at the time of the unauthorized release of a hazardous substance. ("Person" is defined at Health and Safety Code Section 25281 (j) to include "corporations," when appropriate.)

It is essential to a reasonable cleanup of the Arrow Rentals site that all responsible parties be directed to participate in the remediation program. Naming all the responsible parties is the only approach which is practical, legal and fair.

Please review my comments and get back to me if there is anything incorrect in my reading of the regulation.

Very truly yours,



Peter MacDonald

PM:pc

cc: Tony and Rita Sullins
Ed Campbell
Byron Sher
Lester Feldman, RWQCB
Al Ridley, Woodward-Clyde Consultants
Leslie Peeters, SAIC

Mobil Oil Corporation

3800 W. ALAMEDA AVENUE, SUITE 700
BURBANK, CALIFORNIA 91505-4331
(818) 953-2534

OCT 13 1992

OFFICE OF GENERAL COUNSEL

STANLEY ROLLER
Attorney

October 7, 1992

Peter MacDonald, Esq.
400 Main Street, Suite 210
Pleasanton, California 94566

ARROWS RENTAL SITE
187 NORTH L STREET
LIVERMORE, CALIFORNIA

Dear Mr. MacDonald:

This will confirm our telephone conversation of last week in which i advised you that my client, Mobil Oil Corporation, is declining any further participation with respect to remediation of the Livermore property.

The basis for Mobil's decision is that Mobil has never had a line leak at the site. None of the EPA lab analyses performed to date indicate that a line leak ever occurred, nor do the reports that were prepared by Woodward-Clyde Consultants (WCC). It is documented and apparent that the 600 gallons of gasoline that were inadvertently poured down a vapor monitoring well in 1985 were flushed and spread through the subsurface by over 24 hours of hosing water into the well immediately after the spill. This hosing caused not only groundwater contamination, but both shallow and unusually fast lateral migration of the 600 gallons of gasoline through the soil. This is further indicated by noticing that most of the soil and groundwater contamination is downgradient of that vapor monitoring well.

Due to allegations of potential old line leaks from the initial consultants' report, Mobil contracted to conduct line removal and shallow soil investigations. The 4/17/92 additional soil excavation report by WCC stated that the pipe sections that were removed from the excavation of the gasoline supply lines that connected the former Mobil pump islands with the UST locations had no visible cracks or holes. The 10 soil samples collected from the excavation contained no concentrations above the detection limit for TPH and BTEX. In addition, no visible staining or odors were found in the soil samples. This emphasizes the unlikelihood of a past "unnoticed or unreported"

Mobil Oil Corporation

Peter MacDonald, Esq.

October 7, 1992

Page 2

line leak.

Two supplementary soil boring locations were also selected in performing the investigation for the 4/17/92 report. The B-G boring is located near the end of the pipeline(s) and downgradient of the vapor monitoring well. According to the 4/17/92 report the water table is located at approximately 41 feet below the ground surface; and the borings indicate moist soil at 25 feet. Therefore, contamination below 25 feet is attributable to the fluctuating groundwater table. In the B-G boring, from 5.5' to the fluctuating groundwater table zone, no contaminants are present for six feet, then the contaminant levels increase and decrease irregularly. The highest contaminant levels are in the zone (10.5' to 18') of the clayey gravel with the largest particle sizes. This is also the zone where previous borings closer to the vapor well had high contaminant levels or concentrations, i.e. borings B-F and W-1. This could indicate lateral migration of the gasoline from the vapor monitoring well in this zone.

In addition, borings B-4, B-7 and B-H are all located in the pipeline area but upgradient of the vapor monitoring well. and no contamination was found above the fluctuating groundwater table. A review of the results for the boring B-H shows that the fluctuating groundwater table zone starts at least at a depth of 26.5 feet, which is where all of the contamination is for this boring, even though it is in the pipeline area. Therefore, not only has downgradient migration of the gasoline taken place at the site, but also upgradient migration of the gasoline, which appears to be due to the more than 24 hours of flushing the water down the vapor monitoring well. This caused temporary mounding of the groundwater table, which flowed PSH upgradient.

Both borings show lead concentrations in the soil immediately beneath the lines, but these lead concentrations are not in conjunction with TPH and BTEX concentrations. Only at 5.5' in boring B-G is there lead contamination combined with TPH and BTEX. From that 5.5' elevation downward the lead concentration levels decrease and increase irregularly while the TPH and BTEX disappears for six feet (as discussed previously). This does not indicate that a line leak occurred, especially with the void of TPH and BTEX. Either these lead levels are actually background levels or the lead came from a non-petroleum source.

The original WCC report dated 6/91 completely exonerated Mobil of any liability with the exception of one soil sample from boring B-F that was taken at a depth of 16 feet. This sample was subjected by WCC to a semi-quantitative method to try to estimate

Mobil Oil Corporation

Peter MacDonald, Esq.

October 7, 1992

Page 3

the original lead content of the gasoline. Mobil's lab has stated the method was experimental and definitely not EPA or industry approved. Based on this one TPH soil sample of 16 ppm, WCC concluded that the original lead content in the gasoline was 1.8 grams per gallon and must have pre-dated the new 1985 release into the vapor monitoring well. The method spurred WCC to estimate that Mobil was 85% responsible for the soil contamination and 1% to 3% responsible for the groundwater contamination. With alleged coalescing plumes this calculation has never before been done by a competent consultant and Mobil believes it is invalid.

Mobil believes the facts and findings do not support your position that Mobil bears a liability for the contamination. We must, therefore, respectfully deny the claim.

Very truly yours,



Stanley Roller

SR:ms

1250s

cc: D. J. Hill
J. T. Shirazi

balch
petroleum
contractors and builders, inc.
license no. 396575 A/B

Alameda County Health Care Services Agency
Dept. of Environmental Health
Hazardous Materials Division
80 Swan Way, room 200
Oakland, CA 94621

ATTN: Susan Hugo

RE: 187 North "L" Street
Livermore, CA 94550

Dear Ms. Hugo,

As you instructed in our conversation on October 29 I have enclosed the closure plan and a check for \$432.00. This is for a permit to remove approximately 50 ft. of pipe.

Please call if you have any questions.

Sincerely,

David Elias

David Elias
DE/de



LAW OFFICE
PETER MACDONALD
400 MAIN STREET, SUITE 210
PLEASANTON, CALIFORNIA 94566

(415) 462-0191
FAX (415) 462-0404

91 JUL 16 11:30

July 12, 1991

Rafat Shahid
Hazardous Materials Division
Department of Environmental Health
80 Swan Way, Suite 200
Oakland, California 94621

Attention: Lowell Miller
Senior Hazardous Materials Specialist

Subject: Submittal of Soil and Groundwater Characterization Study

Dear Lowell:

I am enclosing for your review the Soil and Groundwater Characterization Study for 187 North L Street in Livermore (the Arrow Rentals site). Upon your review of the Characterization Study, we would ask your concurrence in the conceptual remediation plan set forth at Paragraph 10 of the Summary and Conclusions (at p.23) and discussed in the Section Entitled Evaluation of Mitigation Measures (at p.17). Then we can prepare a remediation plan accordingly.

The Characterization Study identifies two separate sources of the contamination: 1) A pipe leak from pipes connected to former Mobil Tanks between 1951 and 1968; and 2) a sudden spill into a vapor monitoring well by Pitcock Petroleum, the gasoline wholesaler, on June 18, 1985.

Mobil has been cooperative and even funded a portion of the Characterization Study. As a major oil company, Mobil understands its responsibilities with respect to contamination. However, Mobil has requested a proposal for further study because Mobil legitimately wants further evidence of its culpability. (The proposal for further study is the June 11, 1991 letter to Tony Sullins from Woodward Clyde which we would approve contingent upon Mobil's agreement to pay the cost thereof). We anticipate that Mobil will be prepared to sign an appropriate consent agreement for its share of the clean up when the other responsible party also agrees to fund its share of the clean up cost or is made subject to a Clean up and Abate order.

Rafat Shahid
Hazardous Materials Division
Department of Environmental Health
Attn: Lowell Miller,
Senior Hazardous Materials Specialist
**Subject: Submittal of Soil and
Groundwater Characterization Study**

July 12, 1991
Page 2

Pitcock Petroleum, through its insurer Federated Insurance, has refused to contribute to the Characterization Study or the clean up effort in any substantial way. Federated did offer a cash settlement in the amount of \$25,000 for a full and final release, hardly a down payment on a half-million dollar cleanup! Thus, it may become necessary for the Regional Water Quality Control Board to issue a Clean Up and Abate Order to Pitcock Petroleum as a responsible party.

Arrow Rentals (Don Sul, Inc.) has been bearing the cost of this contamination for which Arrow Rentals is not the responsible party for over a year now. The actual cost of the clean up would be well in excess of the resources of Arrow Rentals or the land value. Nevertheless, we will be ready to sign the appropriate consent agreement in conjunction with the participation of the responsible parties.

For your information, the City of Livermore Redevelopment Agency has abandoned its condemnation against 187 North L Street.

Please review the Characterization Study and after your review of the Characterization Study, we should have a meeting with Tony and Rita (the principals of Arrow Rentals) and Al Ridley of Woodward-Clyde Consultants to discuss the next phase of the clean up process.

Very truly yours,



Peter MacDonald

PM/es
Enclosures

cc: Tony and Rita Sullins (w/o encl.)
Lester Feldman, Regional Water Quality Control Board
Gary Stumpf, Mobil Oil Co.
Stan Roller, Mobil Oil Co.
Edgar M. Hoepker, Mobil Oil Co.
Leslie Peeters, SAIC (w/o encl.)
Mike Porrazzo, Esq.
Al Ridley (w/o encl.)
Pitcock Petroleum
John B. Fox, Federated Insurance Co.(w/o encl.)

**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**

Project Specialist (print)

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
400 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 876-7127

These plans must be reviewed and approved by the Department of Environmental Health before any work is begun. Changes to your plans must be approved by the Department to assure compliance with State and local laws. The project proposed herein may require permits for installation of any required building permits for construction.

PIPES ONLY!

Plans of these operations must be on file with the Department and approved by all contractors and engineers involved with the project.

Plans or alterations of these plans and specifications must be submitted to the Department and to the local health department for their approval. Each plan must be submitted to the Department and to the local health department for their approval. Each plan must be submitted to the Department and to the local health department for their approval.

Removal of Tank and Piping
Description
Final Inspection

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

THERE IS A MINOR PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name ARROW RENTALS
Business Owner ARROW RENTALS
 2. Site Address 187 NORTH "L" STREET
City LIVERMORE zip 94550 Phone (415) 455-1900
 3. Mailing Address 187 NORTH "L" STREET
City LIVERMORE zip 94550 Phone (415) 455-1900
 4. Land Owner ARROW RENTALS
Address 187 NORTH "L" STREET City, State LIVERMORE, CA zip 94550
 5. Generator name under which tank will be manifested N/A
- EPA I.D. No. under which tank will be manifested N/A

6. Contractor BOCH PETROLEUM
Address 930 AMES AVE.
City MILPITAS CA 95035 Phone (408) 942-8686
License Type A/B HAZ ID# 396575

7. Consultant WOODWARD CLYDE CONSULTANTS
Address 800 12th STREET
City OAKLAND CA Phone (415) 893-3600

8. Contact Person for Investigation
Name TOM BALCH Title V.P.
Phone (408) 942-8686

9. Number of tanks being closed under this plan 0
Length of piping being removed under this plan UNDETERMINED
Total number of tanks at facility 0

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

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

a) Product/Residual Sludge/Rinsate Transporter

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

b) Product/Residual Sludge/Rinsate Disposal Site

Name _____ EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

c) ~~Tank and Piping~~ Transporter

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

d) ~~Tank and Piping~~ Disposal Site

Name _____ EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

PIPING WILL BE CLASSIFIED NON-HAZARDOUS AND RECYCLED AT A METAL RECYCLING FACILITY.

11. Experienced Sample Collector

Name WOODWARD CLYDE
Company WOODWARD CLYDE
Address 800 12th ST. SUITE 100
city DAKLAND State CA zip 94550 Phone (415) 893-3600

12. Laboratory

Name SEQUOIA ANALYTICAL
Address 680 CHESAPEAKE AV.
city REDWOOD CITY state CA zip 94063
State Certification No. 1210

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

If yes, describe. _____

14. Describe method to be used for rendering tank inert

N/A

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

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

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
	N/A		

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

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) UNKNOWN	Sampling Plan ONE SAMPLE PER 50 YARDS TO MEET LANDFILL REQUIREMENTS

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

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

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

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
BENZENE TOLUENE ETHYL BENZENE XYLENES GASOLINE	EPA METHOD 8015/8020		

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

18. Submit Worker's Compensation Certificate copy

Name of Insurer

REPUBLIC INDEMNITY

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

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

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

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

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

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

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

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

Signature of Contractor

Name (please type)

TOM BALCH FOR BALCH PETROLEUM

Signature

Thomas H Balch

Date

10-28-91

Signature of Site Owner or Operator

Name (please type)

DAVID ELIAS FOR ARROW RENTALS

Signature

David Elias

Date

10-28-91

balch
petroleum
contractors and builders, inc.
license no. 396575 A/B

SITE SAFETY PLAN

IN THE EVENT OF AN EMERGENCY CALL 911

YOUR LOCATION IS: 187 North "L" Street
Livermore, CA 94550

NEAREST HOSPITAL: Valley Memorial Hospital
1111 East Stanley Blvd.
Livermore, CA
(415) 447-7000

WORKMEN'S COMPENSATION: REPUBLIC INDEMNITY
POLICY #PC995485

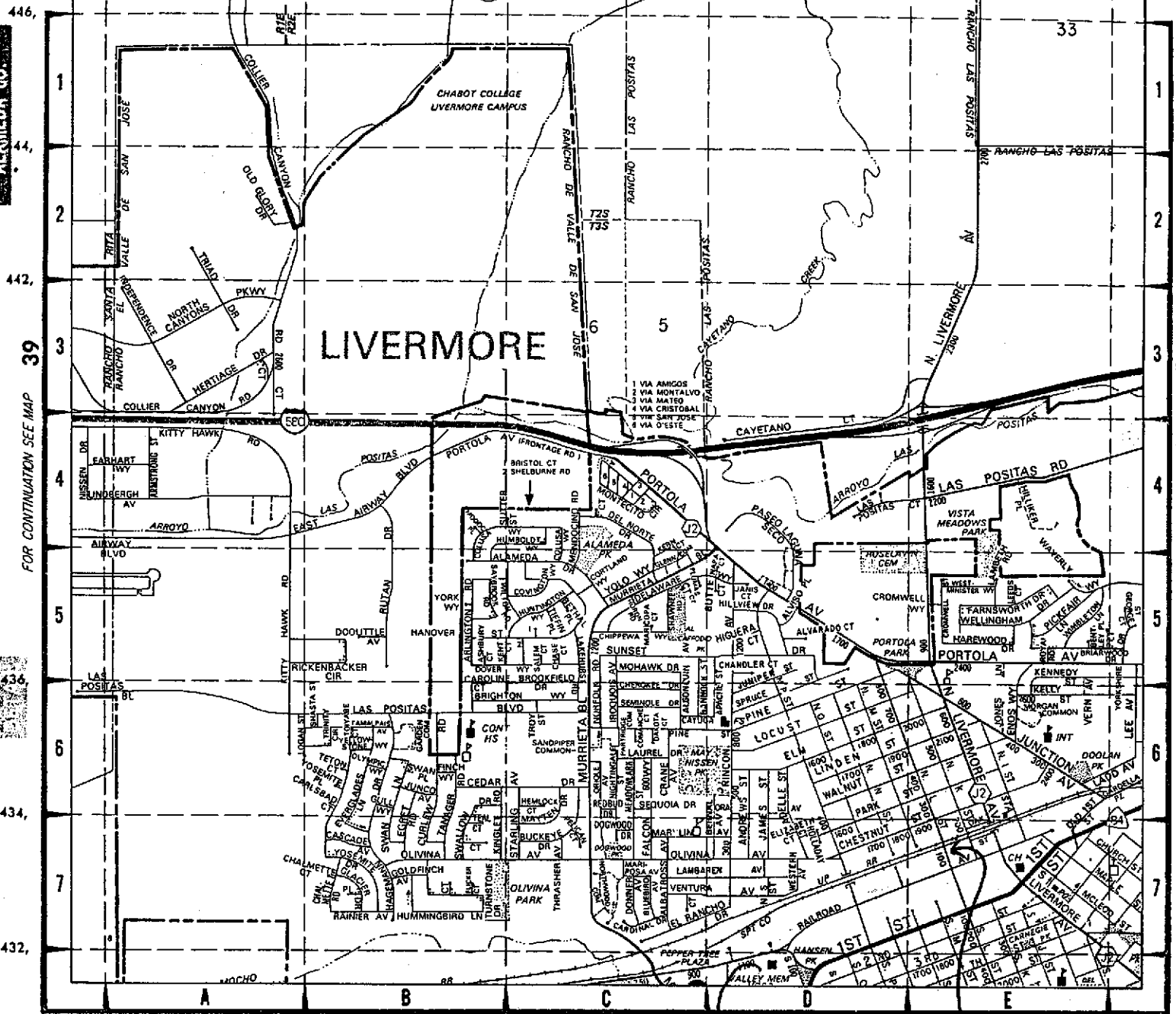
REPORT ALL ACCIDENTS AND UNSAFE CONDITIONS TO THE JOB FOREMAN,
COLLEEN RICE AND TOM BALCH, 800 624-9773.

ABIDE BY THE BALCH PETROLEUM ACCIDENT PREVENTION PROGRAM AT ALL
TIMES.

RESPIRATORS AND OTHER PERSONAL PROTECTIVE EQUIPMENT MUST BE
AVAILABLE AND WORN AT THE DIRECTION OF JOB FOREMAN.



ALAMEDA CO.



446, 44, 442, 39, 4, 5, 436, 434, 432

33, 1, 2, 3, 4, 5, 6, 7

HOSPITAL 187 N 2 STREET

FOR CONTINUATION SEE MAP

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Balch Petroleum Accident Prevention Program

Introduction

In order to maintain a well run and safely administered construction job we have developed an "Accident Prevention Program". The following procedures are to be adhered to by all company employees.

Inspections

All excavations need to be inspected at a minimum of twice daily. If any hazards are observed immediate corrective action must be taken.

Safety meetings weekly with Foreman on jobsite, and monthly with all employees at shop.

Code of Safe Practices

1. All persons shall follow these safe practices, rules, render every possible aid to safe operations, and report all unsafe conditions or practices to the Foreman.
2. Foremen shall insist on employees observing and obeying every rule, regulation, and order as is necessary to the safe conduct of the work, and shall take such action as is necessary to obtain compliance.
3. Anyone known to be under the influence of intoxicants and/or drugs shall not be allowed on the jobsite while in that condition.
4. Work shall be well planned and supervised to forestall injuries in the handling of heavy equipment. Two men should work together when moving heavy equipment.
- *5. Employees shall not enter manholes, underground vaults, tanks, or other similar places that receive little ventilation, until it has been determined that the air contains no flammable or toxic gases or vapors. While in excavation two employees shall always be present. Air hoses shall be used in deep excavations as necessary.



6. All injuries shall be reported promptly to the Foreman so that arrangements can be made for medical or first aid treatment. Adequate first aid kit must be kept available at all times.
7. Work shoes or boots with thin or badly worn soles shall not be allowed. Sneakers and dress shoes are not allowed.
- *8. No burning, welding, or other source of ignition shall be applied in any area or in or around enclosed tank or vessel, even if there are some openings, until it has first been determined that no possibility of explosion exists.
9. No smoking allowed on any jobsites or at the shop.
- *10. Hard hats - Required to wear where practical, have spares on hand. Ear plugs and goggles are to be kept on hand for use as required.
- *11. Respirators kept on hand as job warrants the need for them.
12. Fire Extinguisher - In job shack and on/or near all gasoline engines, and kept on every truck. They are to be inspected and serviced quarterly.
13. Defective equipment to be sent to shop for repairs with a maintenance request form filled out.
14. Keep handsaws and skill saw blades sharp.
15. Loose or frayed clothing, dangling ties, finger rings, long hair, ect., shall not be worn around moving machinery or other sources of entanglement.
16. Air hoses should not be disconnected at compressors until hose line has been bled. Remove defective hoses from job.
17. Observe excavation during backfilling, so as to be positive no one is in it.
18. A permit is required if trench excavation is five (5) feet deep - Request permit from office if not on job.

19. Excavations to be sloped at least 3/4 (horizontal) to 1 (vertical). Unless unstable ground requires less slope. If cut is steeper, the excavation will require shoring if over five (5) feet deep. Note: Two (2) ladders required out of each hole.

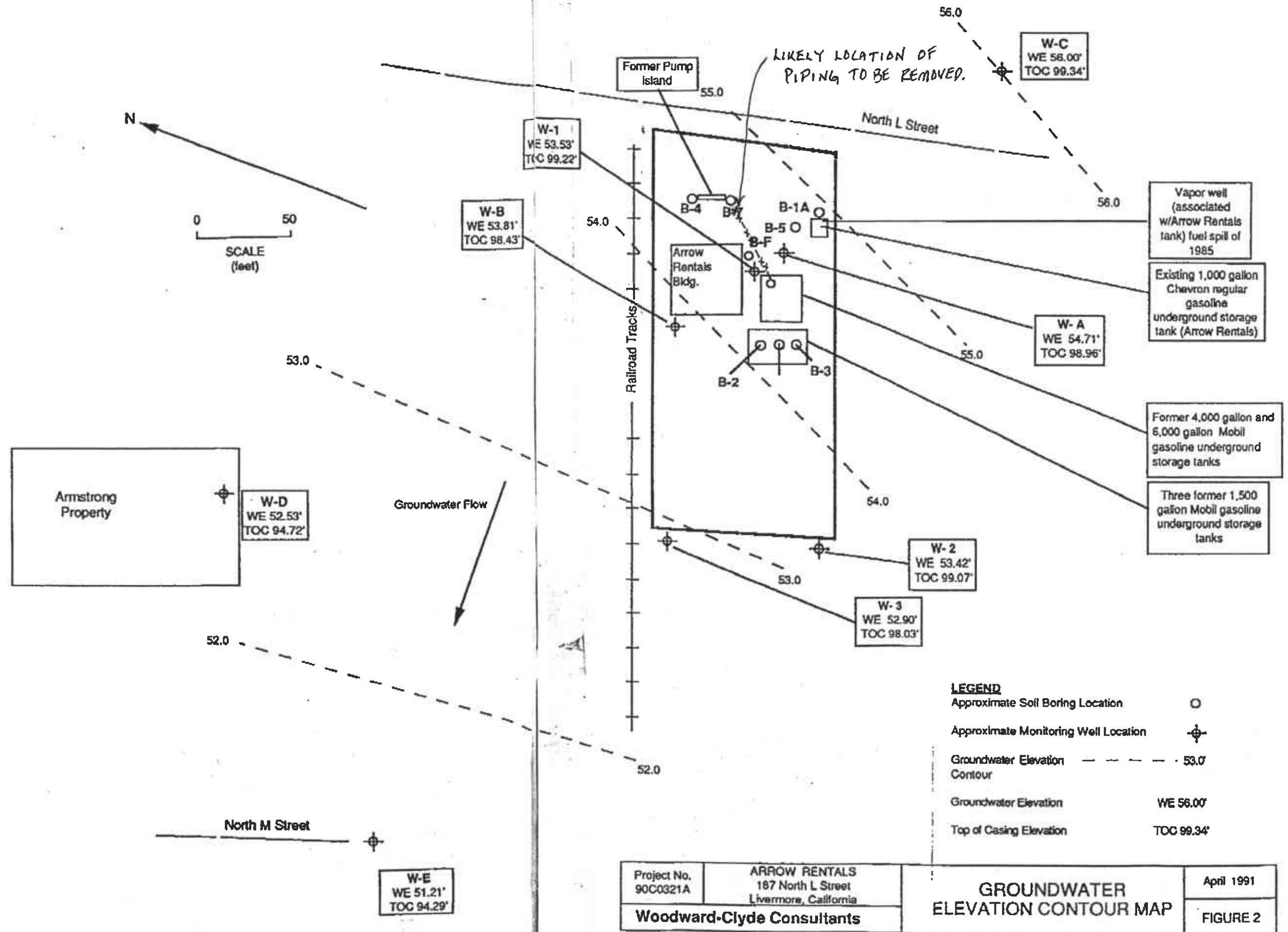
20. Operation of tractors, bobcats, and skiploaders should be handled with care where there is the possibility of overturning in dangerous areas like edges of deep fills, cut banks and steep slopes.

21. No one to enter any excavation unless it is shored and/or determined to be safe by Foreman and/or Engineer.

* These items the decision to be determined by the Foreman on jobsite.

22. All necessary workers will have completed the 40 hour OSHA safety class as required by 29 CFR 1910.120.

23. All contaminated soil will be segregated and contained in visqueen covered stockpiles. Any further action will be directed by the Alameda County Health Care Services Agency.



PRODUCER

California Assoc. Ins. Brokers
390 Fourth St., 2nd Floor
San Francisco, CA 94107
(415) 543-0890

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** **REPUBLIC INDEMNITY**
- COMPANY LETTER **B**
- COMPANY LETTER **C**
- COMPANY LETTER **D**
- COMPANY LETTER **E**

INSURED

BALCH PETROLEUM CONTRACTORS
AND BUILDERS, INC.
P.O. BOX 361230
MILPITAS, CA 95035

COVERAGES

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

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY				GENERAL AGGREGATE \$
	COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OP AGG. \$
	CLAIMS MADE <input type="checkbox"/> OCCUR. <input type="checkbox"/>				PERSONAL & ADV. INJURY \$
	OWNERS' & CONTRACTOR'S PROT.				EACH OCCURRENCE \$
					FIRE DAMAGE (Any one fire) \$
					MED. EXPENSE (Any one person) \$
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT \$
	ANY AUTO				BODILY INJURY (Per person) \$
	ALL OWNED AUTOS				BODILY INJURY (Per accident) \$
	SCHEDULED AUTOS				PROPERTY DAMAGE \$
	HIRED AUTOS				
	NON-OWNED AUTOS				
	GARAGE LIABILITY				
	EXCESS LIABILITY				EACH OCCURRENCE \$
	UMBRELLA FORM				AGGREGATE \$
	OTHER THAN UMBRELLA FORM				
	WORKER'S COMPENSATION				STATUTORY LIMITS
A	AND EMPLOYERS' LIABILITY	PC941877	07/01/91	07/01/92	EACH ACCIDENT \$ 1,000,000
					DISEASE - POLICY LIMIT \$ 1,000,000
					DISEASE - EACH EMPLOYEE \$ 1,000,000
	OTHER				

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

Certificate Holder is named as Additional Insured as respects Insureds operations.

CERTIFICATE HOLDER

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

LAW OFFICE
PETER MACDONALD
400 MAIN STREET, SUITE 210
PLEASANTON, CALIFORNIA 94566

(415) 462-0191
FAX (415) 462-0404

June 27, 1990

Lowell J. Miller
Senior Hazardous Materials Specialist
Hazardous Materials Division, Dept. of Environmental Health
80 Swan Way, Suite 200
Oakland, California 94621

SUBJECT: Status of Site Characterization
187 North "L" Street, Livermore, California

Dear Lowell:

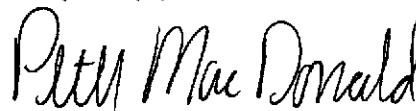
We continue to make progress in the site cleanup process for 187 North "L" Street in Livermore, California (the "Arrow Rentals Site"). Pursuant to your approval of the Work Plan for Site Characterization, we put the Work Plan out for bid to five companies with experience in the field. We received three bids.

Ultimately, we awarded the contract to Woodward Clyde and Associates on May 25, 1990.

Work on the site characterization is now underway under the supervision of Al Ridley, from Woodward Clyde. We anticipate receipt of the final report in September of this year. At that time, we will want to meet with you to discuss the best strategy for site remediation.

If you have any technical questions, feel free to call Al Ridley at (415) 893-3600.

Very truly yours,



Peter MacDonald

Enclosures:

cc: Tony and Rita Sullins (w/o encls.)
Leslie Peeters, SAIC (w/o encls.)
Lester Feldman, RWQCB (w/encls.)

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Director



Telephone Number: (415)

~~February 27, 1990~~

Mr. Peter McDonald
400 Main Street, Suite 210
Pleasanton, CA 94566

Site: Arrow Rentals, 187 N. "L" St., Livermore

Dear Mr. McDonald:

We have received the Analysis of Remediation Alternatives, Soil and Groundwater Contamination, December 22, 1990 as prepared by Woodward-Clyde Consultants. We have also received a Proposed Work Plan for the Characterization of Petroleum Contamination February 14, 1990 by Woodward Clyde Consultants. The first document outlines conceptual remedial options for cleaning up existing contamination of the groundwater. The second document outlines further characterization work on the site.

The site under consideration has one leaded underground gasoline tank (1000 gal) which is currently in operation. It also previously had 5 underground storage tanks: Three 1500 gallons tanks used for petroleum products were removed in 1972 and were found to be leaking either at the tanks or in the piping. A 4,000 gal and 6,000 gal tank, at the site for more than 40 years were removed in 1984. In July 1985, as indicated by your office, a delivery of 600 gallons of gasoline was inadvertently put into a vapor monitoring well next to the fill pipe of the existing 1000 gal gasoline tank. In addition, Woodward-Clyde and RWQCB reports have indicated fuel leaks from other sources in the area.

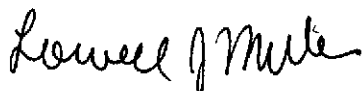
The proposed work plan is acceptable provided that a more accurate determination of the groundwater flow is made. The determination of the direction was made at only one time; 3 - 4 quarters should be measured before the precise location of the wells are determined.

The proposed remediation conceptual alternatives appear to be technically feasible. It should be noted, that remediation is normally considered after the characterization of the site is complete and that future results may affect the feasibility of any one alternative. In addition it is not recommended that remediation be commenced until the groundwater contamination is completely characterized. Approval of all groundwater contamination sites is subject to review and comment by the San Francisco Regional Quality Control Board and the California Department of Health

Services. A risk assessment report may be required by this office for any residual contamination in the groundwater after the conclusion of any remedial option.

If you have any questions on this matter, please call me at 271-4320.

Sincerely,



Lowell J. Miller
Senior Hazardous Materials Specialist

LM:lm

cc: Karen Majors
Redevelopment Coordinator
City of Livermore Redevelopment Agency
1052 S. Livermore Ave.
Livermore, CA 94550

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

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

II, III

Site ID # _____ Site Name Arrow Rentals Today's Date 2/26/95

II.A BUSINESS PLANS (Title 19)

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

Site Address 187 N "L" St
 City Livermore Zip 94550 Phone 449-4749

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

Inspection Categories:

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

II.B ACUTELY HAZ. MATLS

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

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

III. UNDERGROUND TANKS (Title 23)

- | | |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| General | ___ 1. Permit Application 25284 (H&S) |
| | ___ 2. Pipeline Leak Detection 25292 (H&S) |
| | ___ 3. Records Maintenance 2712 |
| | ___ 4. Release Report 2651 |
| | ___ 5. Closure Plans 2670 |
| Monitoring for Existing Tanks | ___ 6. Method |
| | 1) Monthly Test |
| | 2) Daily Vadose
Semi-annual groundwater
One time soils |
| | 3) Daily Vadose
One time soils
Annual tank test |
| | 4) Monthly Groundwater
One time soils |
| | <input checked="" type="checkbox"/> 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon. |
| | 6) Daily Inventory
Annual tank testing
Cont pipe leak det |
| | 7) Weekly Tank Gauge
Annual tank testing |
| | 8) Annual Tank Testing
Daily Inventory |
| | 9) Other _____ |
| New Tanks | ___ 7. Precs Tank Test 2643 |
| | Date: <u>2/190</u> |
| | <input checked="" type="checkbox"/> 8. Inventory Rec. 2644 |
| | ___ 9. Soil Testing 2646 |
| ___ 10. Ground Water 2647 | |
| ___ 11. Monitor Plan 2632 | |
| ___ 12. Access. Secure 2634 | |
| ___ 13. Plans Submit 2711 | |
| Date: _____ | |
| ___ 14. As Built 2635 | |
| Date: _____ | |

Comments:

500gal propane tank
 12 5 gal (?) propane containers
 diesel (3 drums)
 1000gal 1600gal UGT
 small quantities of paint thinner, lacquer thinner
 Bus. Plan
 - Bus. Plan needs to submit business plan (part)
 within 30 days
 Get MSDS sheets
 UGT
 - Needs to do daily inv. reconciliation
 - piping for original tanks are in question
 need to be removed.
 - Records need to be maintained for 3 years
 - Need submit quarterly reports
 under inv. reconciliation

Rev 6/88

II, III

Contact: Toni Sullen
 Title: Owner
 Signature: [Signature]

Inspector: Lowell J Miller
 Signature: [Signature]

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name Arrow Rentals Today's Date 2/2/90
 Site Address 187 N "L" St EPA ID# _____
 City Livermore, CA Zip 94 Phone 449-4741

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

Inspection Categories:

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

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

IA GENERATOR (Title 22)

Manifest	<input checked="" type="checkbox"/> 1. Waste ID	66471
	<input checked="" type="checkbox"/> 2. EPA ID	66472
	<input checked="" type="checkbox"/> 3. > 90 days	66508
	<input checked="" type="checkbox"/> 4. Label dates	66508
	<input type="checkbox"/> 5. Biennial	66493
Misc.	<input type="checkbox"/> 6. Records	66492
	<input type="checkbox"/> 7. Correct	66484
	<input type="checkbox"/> 8. Copy sent	66492
	<input type="checkbox"/> 9. Exception	66484
	<input type="checkbox"/> 10. Copies Rec'd	66492
Prevention	<input checked="" type="checkbox"/> 11. Treatment	66371
	<input checked="" type="checkbox"/> 12. On-site Disp. (H.S.&C.)	26189.5
	<input checked="" type="checkbox"/> 13. Ex Haz. Waste	66570
	<input checked="" type="checkbox"/> 14. Communications	67121
	<input checked="" type="checkbox"/> 15. Aisle Space	67124
Contn. gency	<input checked="" type="checkbox"/> 16. Local Authority	67126
	<input checked="" type="checkbox"/> 17. Maintenance	67120
	<input checked="" type="checkbox"/> 18. Training	67105
	<input type="checkbox"/> 19. Prepared	67140
	<input type="checkbox"/> 20. Name List	67141
Containers, Tanks	<input type="checkbox"/> 21. Copies	67141
	<input type="checkbox"/> 22. Emg. Coord. Tmg.	67144
	<input checked="" type="checkbox"/> 23. Condition	67241
	<input checked="" type="checkbox"/> 24. Compatibility	67242
	<input checked="" type="checkbox"/> 25. Maintenance	67243
	<input checked="" type="checkbox"/> 26. Inspection	67244
	<input type="checkbox"/> 27. Buffer Zone	67246
	<input type="checkbox"/> 28. Tank Inspection	67259
	<input checked="" type="checkbox"/> 29. Containment	67245
	<input checked="" type="checkbox"/> 30. Safe Storage	67261
<input checked="" type="checkbox"/> 31. Freeboard	67257	
Manifest	<input type="checkbox"/> 32. Applic./Insurance	66428
	<input type="checkbox"/> 33. Comp. Cert./CHP Insp.	66448
	<input type="checkbox"/> 34. Containers	66465
	<input type="checkbox"/> 35. Vehicles	66465
Cont'n re	<input type="checkbox"/> 36. EPA ID #s	66531
	<input type="checkbox"/> 37. Correct	66541
	<input type="checkbox"/> 38. HW Delivery	66543
	<input type="checkbox"/> 39. Records	66544
	<input type="checkbox"/> 40. Name/ Covers	66545
<input type="checkbox"/> 41. Recyclables	66800	

Comments:

Samples
Rent tools and equipment: hoses
propose, diesel drums, 2 epd (degreaser)
solvent, hydraulic fluid, caustic solution
for paint brush cleaning, paint thinner
flaque thinner, mortar well tanks
1 large open container w caustic
Wastes: waste oil, spent solvent, caustic
solutions, washings from lot that
go into sumps, spillage from drums (waste oil)
batteries should not be stored next to caustic
wastes must be disposed via haz waste control
law - manifest, stray, etc
sumps need to be pumped & disposed
Should not be spillage, Needs labels
Secondary contain ment, ~~per~~ lids, ~~sumps~~
spillage from sumps
Need copies of receipts on premises - past 2 pickups
Needs plenty collection to comply with ^{including} ~~with~~ ^{batteries}
law within 30 days
consultant - Leslie Peeters

Rev 6/88

Contact: Tony Sullins
 Title: Owner
 Signature: [Signature]
 Inspector: Lowell Miller
 Signature: _____

January 2, 1990 JAN -4 AM 11:25

5107

Mr. Lowell Miller
Alameda County Health Care Service Agency
Department of Environmental Health
Hazardous Materials Division
80 Swan Way Room 200
Oakland, CA 94621

Dear Lowell:

Please find the enclosed copy of the "Analysis of Remediation alternatives - Soil and Groundwater Contamination at 187 North "L" Street, Livermore, CA" for your review.

As we discussed some two months ago, the purpose of this report was to serve as the basis for a mitigated negative declaration report that will enable the City of Livermore to process a site plan for development of a five and one half acre commercial project that encompasses Arrow Rentals or 187 North "L" Street. In order to proceed, we will need a letter from your department conceptually approving the recommended remediation plan.

Arrow Rentals is working with the City of Livermore Redevelopment Agency to develop a scope of work for a final phase of soil and groundwater testing to determine the full extent of contamination at Arrow Rentals. A cost sharing approach to fund the study has also been agreed to. The scope of work is currently being reviewed by Arrow Rentals insurance carriers as well as those of related parties. The scope of work should be ready for your review within thirty days or less.

I, along with Woodward-Clyde, would like to meet with you on January 11, 12 or during the week of January 15, to discuss the enclosed report. I will call you next week to set-up a meeting time that is convenient for you.

In advance, thank you for your assistance and cooperation.

Sincerely,

Karen L. Majors

KAREN L. MAJORS
Redevelopment Program Manager

KLM/jlr
Enclosure

CITY OF
LIVERMORE



Peter McDonald
November 29, 1989
83A-6600
Page 4

If, however, these soil borings reflect that hydrocarbon contamination resulting from the 1986 incident did in fact not impact the watertable, we would therefore assume the position that we owe no monies towards any groundwater clean-up whatsoever and would then either install a soil venting system to abate the contaminants for which our policyholder is liable or offer an equivalent cost of same. If the results of these soil borings reflect levels of contaminants similar to those obtained by Woodward-Clyde, i.e., non-detect levels, Pitcock Petroleum would then owe your client nothing further.

The second option I am prepared to offer at this time would be a cash settlement in the amount of \$25,000.00 which will only be tendered in exchange for a full and final release of Pitcock Petroleum Inc. for any future claims your clients may have resulting from the above described incident.

Once you have had an opportunity to consider the content of this letter, please contact me at your earliest possible convenience with your thoughts. However, I must add that the above offer will be rescinded should I not hear from you within two weeks of receipt of this letter.

Again, it was a pleasure to meet you and your clients during our November 28, 1989 meeting. I look forward to hearing from you.

Sincerely,

A handwritten signature in dark ink, appearing to read "JBF".

John B. Fox,
Claims Supervisor
JBF:pm

cc: Tom Hrasko, Esq.



P.O. BOX 586, Citrus Heights, CA 95611
5620 Birdcage Street, Suite 200, Citrus Heights, CA 95610
Ph: (916) 961-8999, Toll Free - CA only: 1-800-237-1199
Toll Free - NV, OR, WA: 1-800-423-1842
FAX (916) 961-3928

November 28, 1989

Peter McDonald
Attorney at Law
533 Peters Avenue
PLEASANTON CA 94566 FEDERAL EXPRESS

INSURED: Pitcock Petroleum Inc.
CLAIM NO.: 83A-6600
LOCATION OF LOSS: Livermore, CA
YOUR CLIENT: Arrow Rentals

Dear Mr. McDonald:

This letter will follow the Tuesday, November 28, 1989 meeting attended by you and your clients, Leslie and Tony Sullins, representatives of two of the Sullins insurers, Robert E. Elmore and Roger Westendorf, a representative of the environmental consulting firm retained by you and your clients, Leslie A. Peeters, Al Ridley of Woodward-Clyde and myself.

Although at times, as the only representative of Pitcock Petroleum Inc. at the table, I felt out-numbered and in fact ganged up upon, I found our meeting extremely insightful and that it went a long way towards clarifying this matter for me. Besides, as any claims handler worth his or her salt will tell you, these types of meetings in which lively and spirited dialogue occur are what make this such an interesting profession.

Although, I do feel our November 28th meeting was productive, I do feel it did not represent a forum in which I could outline for you my concerns regarding this claim as well as Federated Mutual Insurance Company's position. Therefore, I would like this letter to serve as my effort to do so.

First of all, Pitcock Petroleum acknowledges the fact that on or about October 8, 1986 one of their drivers inadvertently dispensed an undetermined amount of petroleum product into a monitoring well rather than the immediately adjacent underground storage tank fill pipe. Upon discovering this mistake, Pitcock Petroleum's driver immediately stopped pumping product from the vehicle into the monitoring well and immediately began pumping from the well back into the tanker truck as much of the product as possible. Therefore, what is clear is the fact that some petroleum product was pumped by an employee of Pitcock Petroleum from their tanker truck into a monitoring well rather than the underground storage tanks nearby fill pipe. What is unclear, however, is the exact quantity of product which was first pumped into the well and then later was unable to be recovered. The estimates I have, which are based on inventory records and meter readings our policyholder has provided, indicate that the figure of unrecovered gasoline could range anywhere from zero gallons to 300 gallons.



Peter McDonald
November 29, 1989
83A-6600
Page 2

I would now like to discuss the concerns I have regarding your client's claim. The first concern I have involves the distribution of liability over the incident which occurred on or about October 8, 1986. It is my understanding that although Pitcock Petroleum had supplied your client with petroleum product for some seven years prior to this incident, your client made absolutely no mention of the installation of this monitoring well to Pitcock Petroleum, which again is located immediately adjacent to the underground storage tank's fill pipe and in fact resembles same, nor did your client provide Pitcock Petroleum or any of its representatives any special instructions which may have alerted them to the presence of this well.

In addition, although the monitoring well in question in 1989 is labeled as such, our investigation indicates that at the time of this incident this monitoring well in fact was not labeled and therefore did resemble the fill pipe of an underground storage tank.

Finally, my inquiries into the regulations in both Alameda County and the City of Livermore at the time of this incident indicate that it is unclear whether or not a monitoring well such as the one in question would by law require some type of locking device. However, each and every individual I have contacted, including both governmental and regulatory representatives as well as members of the petroleum marketing industry, have indicated to me without fail that a monitoring well such as the one in question located in such close proximity to the fill pipe of an underground storage tank should have been clearly marked and, more appropriately, locked.

My next concern regarding your client's claim concerns the issue of damages. Frankly, my review of this matter which has included, but has not been limited to, a review of the history of this location as well as a tour of the site itself, indicates to me that this piece of property is likely contaminated to a degree well beyond any possible contamination problem which may have resulted from the incident which occurred on or about October 8, 1986. As we discussed during our November 28, 1989 meeting, Woodward-Clyde has determined that at least one of the monitoring wells located on the property, but not in the area in which the incident in question occurred, is heavily contaminated with gasoline at the watertable. In addition, the early analysis of this contamination indicates it to be "aged gasoline". The question that comes to my mind in regard to any possible damages your client may have sustained as a result of the incident which occurred on or about October 8, 1986 is to what degree did it add to the overall problem your client already faced? My concerns in this regard were only heightened during our November 28th meeting when the environmental consultants which both you and your clients as well as the City of Livermore retained discussed the results of their environmental investigation. As you will recall, they stated that their environmental assessment, which included the advancement of a soil boring in the area in which the incident which occurred on or about October 8, 1986 is located, indicates this area to be the area on the entire property with the lowest levels of contamination. In fact, the majority of the readings gleaned from this soil boring reflected non-detect levels of gasoline contamination.



Peter McDonald
November 29, 1989
83A-6600
Page 3

The third area of concern I have regarding your client's claim involves your client's duty to mitigate any possible damages that may have resulted from the incident which occurred on or about October 8, 1986. As I stated to you after our meeting, I am not entirely comfortable with any possible reaction a jury may have to our policyholder's driver having pumped gasoline directly into the environment. However, our investigation indicates that upon learning of this incident, your client, Anthony Sullins, ran a garden hose into the monitoring well in question for a period of several days for reasons upon which I will not speculate. Frankly, I am fairly confident a jury would look unfavorably toward this action taken by your client.

In addition, I feel that upon learning of the misdelivery of petroleum product by their driver, Pitcock Petroleum acted in a responsible fashion by immediately notifying your client of this problem. Pitcock Petroleum also informed your client that an attempt was made to recover as much of the gasoline as possible. It was not until some two and one-half years later that your client approached Pitcock Petroleum with this claim and requested monies towards clean-up of the site. In fact, it is my understanding that although your client was fully aware of the incident which occurred on or about October 8, 1986 practically immediately after it occurred, your client took absolutely no steps whatsoever to mitigate any possible damage which may have resulted from this incident until the governing regulatory agency basically stumbled across this problem. It is also my understanding that due to this lengthy delay in reporting this incident, or in fact a complete failure to report this incident, that your client may be subject to a request for fines and/or penalties by the governing regulatory agency.

Mr. McDonald, based upon the facts I have outlined above, I do not feel our policyholder's exposure is remotely close to the degree which was suggested by you and your client, representatives of your client's insurance carriers, as well as your environmental consulting firm. Rather, at most, I feel our policyholder owes your client either clean-up of any hydrocarbon contamination which can be directly identified as having resulted from the incident which occurred on or about October 8, 1986 or perhaps in exchange for a full and final release, a cash settlement in an amount based upon an evaluation of the problem which resulted from the incident which occurred on or about October 8, 1986.

At this point, I am willing to offer two options on behalf of Pitcock Petroleum Inc. to your clients, Arrow Rentals. The first option being that Federated Insurance Company retain an environmental consulting firm to install up to five soil borings near the monitoring well in question in areas agreeable to both you and your clients and the environmental consulting firm of your choice. If the results of these soil borings indicate that hydrocarbon contamination which can be identified as having resulted from the 1986 incident has impacted the watertable, we will continue with the discussion of further clean-up involvement.

LAW OFFICE
PETER MACDONALD
533 PETERS AVENUE
PLEASANTON, CALIFORNIA 94566

(415) 462-0191
FAX (415) 462-1380

November 3, 1989

Mr. Rafat Shahid
Hazardous Materials Division
Department of Environmental Health
80 Swan Way, Suite 200
Oakland, CA 94621

RE: Hydrocarbon Contamination of Soil and Ground Water 187 North "L" Street,
Livermore, CA 94550

Dear Mr. Shahid:

This letter is a follow-up to our August 23, 1989, correspondence and summarizes the progress made over the last 6 weeks. The following actions have been completed:

° An "Offer of Settlement" was sent to the Board of Directors - City of Livermore which proposes a mutually beneficial agreement between the Redevelopment Agency and Arrow rentals. Two important aspects of the proposed agreement, with respect to remediation of the site, are 1) the Redevelopment Agency will fund the final phase of the site assessment and 2) the Redevelopment Agency will not be responsible for costs of remediation except for the increased costs necessary to make the subject site available for redevelopment on an accelerated schedule.

° A copy of the "Offer of Settlement" was sent to Lowell Miller of your staff for informational purposes. The offer has been in the Agency's hands for more than a month and has not yet been presented to their Board of Directors.

° Three geotechnical/remediation consulting firms have been contacted and asked to submit preliminary drafts of proposals for the final phase of site assessment and the remediation program. Two proposals have been received; the third is expected shortly. The various proposals have provided ideas about the best remediation techniques for the specific environmental characteristics of the site and the associated costs.

° Mr. Sullins retained the services of an analytical chemist to verify the presence of diesel fuel in soil and ground water as is stated in the July 10, 1989, Woodward-Clyde Consultants (WCC) report. The expert found that the chromatograms showed weathered or "aged" gasoline to be present, not diesel.

Page 2
Mr. Rafat Shahid
October 13, 1989

The presence of aged gasoline could still implicate previous occupants if the degree of aged gasoline could still implicated previous occupants if the degree of weathering (i.e., number of years) can be determined. Obtaining this information will be a primary objective in the final phase of site assessment.

°Efforts to ensure the cooperation of the various insurance companies are continuing.

Mr. and Mrs. Sullins are actively taking steps to endure that the subject site is remediated in a timely manner, provided that the costs of the remediation are fairly borne by those who are responsible for the contamination.

Should you have any questions relating to the technical aspects of the site evaluation, please call Leslie Peeters of SAIC at (415) 463-8111, ext 113. All other questions and requests should be directed to me at (415) 462-0191.

Sincerely,



Peter MacDonald

PM/vo

cc: Leslie Peeters, SAIC
Tony and Rita Sullins, Arrow Rentals
Lester Feldman, RWQCB
Kathy Lynch, Federated Insurance

11-7-89
L.M.

LAW OFFICE
PETER MACDONALD
533 PETERS AVENUE
PLEASANTON, CALIFORNIA 94566

(415) 462-0191
FAX (415) 462-1380

November 2, 1989

Natalie West
Meyers, Nave, Riback & West
Gateway Plaza
777 Davis Street, Suite 300
San Leandro, CA 94577

Subject: Offer of Settlement to Board of Directors of Livermore Redevelopment Agency

Dear Natalie:

My concern is rising at the Livermore Redevelopment Agency for what appears to be insensitivity to the plight of Tony and Rita Sullins. We are wondering why we have to negotiate about testing costs when the Sullin's were told initially that the Redevelopment Agency would pay for testing costs.

Supposedly, the Redevelopment Agency wants to start a project on the Arrow Rentals site in April. But a serious offer by the Sullins to get the testing and remediation program started has been sitting on somebody's desk for more than a month without even a discussion with the Board of Directors of the Agency. (My understanding is that the staff has an obligation to present offers to the decision-making body.)

The Redevelopment Agency had no hesitation about "investing" \$70,000 for hazardous materials testing on the site. Now that those studies fingered the Arrow Rentals site, the Redevelopment Agency wants "iron clad guarantees" that every cent will be recovered before expending the additional \$45,000 for final testing. We sure wish Tony and Rita had "iron-clad guarantees" their insurance companies will pay. In fact, we wish someone could give an ironclad guarantee that Tony and Rita will still be in business next year. The Agency's insistence upon ironclad guarantees is unreasonable given the challenge Tony and Rita face in trying to save their business and their life savings.

Supposedly, the Agency wants to start a project on the site in April. But a request to get the Sullins toxics expert and the Agency's toxics expert together with our respective clients has been put off indefinitely. As you know, Tony and Rita will be leaving the county on November 11 for the rest of the month. Should we now plan on a December meeting?

A December meeting is fine with us as long as the Agency is in no rush to have the site ready by April. Better yet, why doesn't the agency just drop the whole idea of condemning this "contaminated site" and just leave the Sullins alone? Then the Agency

Page Two
Ms. Natalie West
November 2, 1989

could avoid the \$45,000 testing cost entirely and the Sullins would gladly see to the clean up without any further "assistance" from the Redevelopment Agency.

Now, the Agency is requesting Tony Sullins to sign a shipping manifest as a "hazardous materials generator" to get rid of the materials from the Agency's testing program. A copy of the Right of Entry signed by Tony Sullins is enclosed as a reminder that the Agency agreed to hold him harmless from any costs associated with its entry on the property. Simply verify in writing that the Agency will cover the associated costs and prepare the necessary documents and Tony will sign the manifest as requested.

Finally, just to get things moving and show good faith, the Sullins are willing to cap the Agency's cost for the testing program at \$40,000 rather than \$45,000 if their offer is accepted at the next meeting of the Agency Board of Directors.

Very truly yours,



Peter MacDonald

PM/vo

cc: Board of Directors
Lee Horner
Gerry Peeler
Karen Majors
Bill Adams
Leslie Peeters
Rafat Shahid
Lowell Miller

Oakland City Center
500 12th Street
Suite 100
Oakland, CA 94607-4014
(415) 893-3600

Woodward-Clyde Consultants

October 10 1989
8919370

RECEIVED OFFICE
CITY OF LIVERMORE

OCT 11 89

RECEIVED

City of Livermore
Redevelopment Agency
1052 South Livermore Avenue
Livermore, CA 94550

Attention: Ms. Karen Majors
Redevelopment Coordinator

Subject: Addendum 4, Contract dated Oct. 19, 1988
Scope of Work and Estimated Costs
Alternatives Analysis, Remediation of
Soil and Groundwater Contamination
187 North L Street, Livermore, California

Ladies and Gentlemen:

INTRODUCTION

We are pleased to present this proposed scope of work to perform an alternatives analysis for remediation of soil and groundwater contamination at 187 North L Street. Previous site exploration has identified soil and groundwater contaminated with gasoline and petroleum products at the site. While additional exploration will be needed to develop detailed mitigation recommendations, we understand that an evaluation of the most feasible site remediation alternatives is needed to provide a technical basis for an environmental impact evaluation of the planned redevelopment of this site as part of the Railroad Avenue Project, which can be used as part of a mitigated negative declaration.

*additional
cost*

SCOPE OF WORK

Task 1 - Review Site Contamination Data

The available soil and groundwater contamination data will be reviewed to estimate the type and possible magnitude of the site contamination. The possible extent of soil contamination and groundwater contamination will be estimated using the available data. Where data is insufficient, assumptions will be made to provide a basis for evaluation of remediation alternatives.

Task 2 - Develop Remediation Alternatives

Remediation alternatives will be developed to an extent that comparisons of the possible environmental impacts, and the feasibility of the alternatives can be made, in comparison to the site plan. These will include possible remediation of soil contamination by excavation and on-site treatment, bioremediation, removal and replacement, or vapor extraction from the in-

Consulting Engineers, Geologists
and Environmental Scientists

Offices in Other Principal Cities



place soil. Groundwater remediation might include pumping of the contaminated water from extraction wells, on-site treatment, and disposal of the treated water to the sanitary sewer, or bioremediation. The current regulatory guidelines for cleanup levels of contaminants in soil and groundwater will be reviewed and be used to evaluate these mitigation measures.

Task 3 - Evaluation and Report

Each of the alternatives will be evaluated and will be described in as much detail as is possible with the available information. Assumptions and estimations made in Task 1 will be clearly stated. The report will describe site activities or system components which might impact the planned development, such as extraction wells and a groundwater treatment facility. Relative costs and the time to complete each of the remedial activities will be presented.

ESTIMATED COSTS AND SCHEDULE

We estimate that the costs for this scope of work will be about \$10,500. The report can be available within about three weeks following your authorization to proceed. All charges will be on a time and materials basis in accordance with the attached current schedule of charges.

AUTHORIZATION

If you are in agreement with this scope of work and wish Woodward-Clyde to proceed, please initial below, sign the Addendum and return one signed copy of this Addendum to us.

Sincerely,

WOODWARD-CLYDE CONSULTANTS



Albert P. Ridley, CEG
Senior Consultant



Ulrich Luscher, Ph.D., P.E.
Senior Managing Principal

APR/UL:tt
8919370-2/PRP

 : Client Initials

LAW OFFICE
PETER MACDONALD
533 PETERS AVENUE
PLEASANTON, CALIFORNIA 94566

(415) 462-0191
FAX (415) 462-1380

TRANSMITTAL MEMO

TO: Mr. Lowell Miller

DATE: September 28, 1989

This is to keep you updated
on our progress

Enclosed for your information and
review.

Enclosed pursuant to your request.

RE: Offer of Settlement

Please telephone me after reviewing
the enclosed.

Please contact me if you have any
questions.

ENCLOSURE: Agreement
Redevelopment Agency and
Don-Sul, Inc.

Please telephone for an appointment.

Please sign and return.

Please file original and return
endorsed filed copies.

REQUESTED ACTION:

Please record and return conformed
copies.

Please have judge sign original, file
with court, and return endorsed-
filed copies.

Return envelope enclosed

Your cooperation is appreciated.

Very truly yours,

PETER MACDONALD

by: *Julia Brown*

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

9/29/89

LAW OFFICE
PETER MACDONALD
533 PETERS AVENUE
PLEASANTON, CALIFORNIA 94566

(415) 462-0191
FAX (415) 462-1380

September 28, 1989

Board of Directors
City of Livermore Redevelopment Agency
c/o Gerry Peeler, Deputy Executive Director
1052 South Livermore Avenue
Livermore, CA 94550

Subject: Offer of Settlement

Dear Chairperson Turner and Members of the Board:

We are dealing with a situation in which the advantages of cooperation between us are overwhelming and the consequence of noncooperation will be disastrous. Naturally, the terms of that cooperation need to be fair to both parties and that is what our draft agreement provides.

The Terms

The key terms of the proposed agreement are as follows: We are agreeing to expedited procedures to make the site available for redevelopment. We are also waiving any claim against the Agency for clean up costs. In exchange, the Agency would agree to fund the completion of the testing program, as it originally promised.

The Problem

Arrow Rentals is facing relocation with no place to go. Although the loss of an irreplaceable site will be recoverable as "goodwill" in an condemnation action, that result would be a massive cost with no offsetting benefit to the City or Arrow Rentals. (To give you some idea of the "goodwill" costs you are facing, the value of Arrow Rentals business is approximately three (3) times the land value of the "L" Street site.)

The crux of the problem is that Tony and Rita Sullins need the equity from the 187 North "L" Street (the "Arrow Rentals Site") in order to initiate business at a new location. That equity cannot be used to purchase a new location if it is being held back or used as a "clean up" fund for hydrocarbon contamination at the Arrow Rentals Site.

The Solution

But there is a solution to this dilemma. There is high potential for 100% coverage of clean up costs at 187 "L" Street by sources other than Arrow Rentals or the

condemnation proceeds. First, one source of the contamination is an approximately 600 gallon release caused by the petroleum wholesaler whose driver dispensed gasoline into a vapor monitoring well on June 18, 1985. The wholesaler had insurance coverage and the carrier is prepared to cooperate in a cleanup. Second, another possible source of contamination is several storage tanks used by a Mobil Service Station prior to 1973, but those tanks were removed by the present owners when they took title in 1973, precisely because the tanks were leaking. Major oil companies like Mobil are now well familiar with clean up procedures and participate reasonably in the costs of remediation to the extent their responsibility can be proven. Finally, there is a possibility that storage tanks owned by Arrow Rentals leaked in the period between 1972 and 1984. During that period, Arrow Rentals had continuous comprehensive general liability insurance coverage and the pollution exclusions were loosely worded in those days.

The Schedule

This means that if we can prove up the sources of contamination and irrefutably allocate the percentages of responsibility, we would be in position for a rapid funding of the clean up program from sources other than Arrow Rentals or the Redevelopment Agency. Thus, the schedule could go this fast:

- 1 month: Agree on testing program
- 2 months: Conduct testing and design remediation program
- 1 month: Obtain permit for remediation program and agreement between responsible parties as to financing remediation
- 1 month: Install remediation equipment
(site becomes available for redevelopment)
- 3 years: Remediation program carried out within a 10' by 15' foot enclosure within the site.

In other words, if you approve the proposed agreement, the Redevelopment Agency could still meet its spring construction schedule. Needless to say, without the Redevelopment Agency's cooperation, the additional testing and the design of the remediation program will be stuck on the slow track with many unnecessary months or years wasted while potentially responsible parties point fingers at each other in the absence of solid scientific evidence as to responsibility.

The Need for Fairness

Moreover, simple fairness argues in favor of having the Redevelopment Agency complete the testing which it began. Tony Sullins signed a Right of Entry to the Redevelopment Agency based upon a representation that the Agency would pay for the necessary tests. Moreover, at the time Tony signed the Right of Entry, Redevelopment Agency representatives had the Phase I Hazardous Materials Analysis by Woodward Clyde in their possession and failed to share it with Tony or even apprise Tony Sullins of its

Page Three
Board of Directors
September 28, 1989

conclusion of probable contamination and its devastating consequences. If this becomes a legal matter, we would be forced to describe these Redevelopment Agency actions as breach of contract and fraud.

Beyond Fairness

Another reason to come a little way to help Arrow Rentals is that a business faced with its destruction has no choice but to fight. The result could be damage to the Redevelopment Agency totally out of proportion to the assistance being requested by Arrow Rentals. Consider, for example, the epithet, "The San Jose Business Destruction Agency" which has resulted from that Redevelopment Agency's approach to contaminated sites in the Arena Project. You don't want that kind of reputation for redevelopment in Livermore. With the future of a legitimate business at stake, the future of the Redevelopment Agency itself could be easily brought to a vote of the people. Obviously, any attempt to redevelop the Arrow Rentals site without a supplemental EIR and appropriate changes to the general plan and Urban Design Plan would be closely scrutinized.

Conclusion

What we are proposing is a win-win solution for the Redevelopment Agency and Arrow Rentals. Your favorable consideration of the draft agreement would certainly be appreciated.

Very truly yours,



Peter D. MacDonald
Attorney at Law

PDM/vo

cc: Tony and Rita Sullins
Leslie Peeters, SAIC
Gary Rinehart, Esq.
Lowell Miller, County Health

AGREEMENT

THIS AGREEMENT is entered into this _____ day of October, 1989 by and between the City of Livermore Redevelopment Agency ("Agency"), a redevelopment agency of the State of California, and Don-Sul Inc., a California Corporation doing business as Arrow Rentals (hereafter "Arrow Rentals" or "Arrow").

RECITALS

The parties enter this Agreement predicated upon the following facts and understandings:

A. Don-Sul Inc., is the record owner of an approximately 17,285 square foot parcel of land at 187 North "L" Street in Livermore (A.P.N. 98-283-2-9) ("Arrow Site")

B. Agency has included the Arrow Site in a redevelopment project. Agency plans to assemble the Arrow Site with the other parcels on its block and resell the property to a private developer as a cinema with additional downtown commercial building space included in the project. Agency desires that construction commence in Spring of 1990, if possible.

C. As part of its process in acquiring the Arrow Site, the Agency performed various tests to ascertain whether or not there

were any hazardous substances on the Arrow Site and other sites within the project block which includes the Arrow Site. The testing revealed that there is hydrocarbon contamination of both soil and groundwater at the Arrow Site.

D. In order for the redevelopment of the block including the Arrow Site to proceed on schedule it is imperative to initiate a testing and remediation program at the Arrow Site.

E. Arrow acknowledges that Agency has no responsibility for remediation costs where contamination is not attributable to Agency until and unless City shall take title to the Arrow Site

F. The parties desire to cooperate to achieve a reasonable and cost effective clean up of contamination at the site.

NOW, THEREFORE, in consideration of the mutual covenants and promises of the parties, the parties agree as follows:

1. **Right of Entry.** Subject to the terms of this Agreement, Arrow hereby grants Agency the right to enter upon the Arrow Site and Agency agrees to conduct further testing as necessary to design a remediation program and identify the causes of the contamination.

2. **Cost.**

2.1. Agency shall pay for costs of the testing program including lab work and the consultants report, provided, however, that if the cost of the testing program is estimated to exceed Forty-Five Thousand Dollars (\$45,000), than at Agency's option, this Agreement can be renegotiated.

2.2. Agency shall not be responsible for costs of remediation except agency shall pay for increased costs necessary to make the Arrow Site available for redevelopment on an accelerated schedule.

3. **Contents of Testing Program.** Arrow and Agency shall mutually agree on the contents of the testing (time, location and types of tests) program prior to its implementation. Subject to Agency approval, Arrow may be the contracting party with testing consultants. Both parties agree to render decisions as to the testing program or other mutual decisions contemplated by this Agreement expeditiously and approvals shall not unreasonably be withheld.

4. **Cooperation.**

4.1. Agency will exert best efforts to assist Arrow Rentals to obtain expedited approval for a reasonable remediation plan from Alameda County, the Regional Water Quality Control Board and other permitting agencies.

4.2. Arrow Rentals will cooperate to make the Site available for redevelopment on as rapid a schedule as is feasible given the need for a replacement location. Agency will assist Arrow Rentals in finding a replacement location but this shall not be construed as any commitment by Agency to exercise its police power in a particular manner. Nor shall this clause or Agreement be construed as any limitation either Agency's rights or Arrow Rental's rights pursuant to the law of eminent domain. Funds

expended pursuant to this Agreement shall not be construed as a relocation benefit.

4.3. Agency will expeditiously process permit requests and charge no more than documented cost or standardized fees. At the discretion of the Deputy Executive Director, Agency will act as applicant in order to minimize fees. Arrow Rentals will pay a one time groundwater discharge fee of Fifteen Hundred Dollars (\$1500.00) provided hydrocarbon contamination in the filtered groundwater has been reduced to a level compatible with drinking water standards or otherwise determined to be acceptable by the Wastewater Treatment Plant Superintendent.

5. **Subrogation.** To the extent that funds expended by the Agency in relation to contamination at the Arrow Rentals Site would be recoverable by Arrow Rentals from other potentially responsible parties and insurance companies, then Agency shall be subrogated to those rights of Arrow Rental. However, upon execution of an agreement between potentially responsible parties and insurance companies which provides adequate assurances (in the opinion of the Deputy Director after consultation with City Attorney) that county approved remediation plan will be commenced and carried to completion, then Agency shall waive its right to subrogation against any potentially responsible parties and insurance companies which are party to that agreement.

6. **Amendment.** This agreement may be amended or cancelled in whole or in part only by mutual consent. The amendment shall

be written.

7. Construction of Agreement. The language in all part of this Agreement, shall, in all cases, be construed as a whole and in accordance with its fair meaning.

8. Severability. If any material provision of this Agreement shall be adjudged to be invalid, void or illegal, each part shall have the right to unilaterally terminate this Agreement or to mutually seek amendment of the Agreement pursuant to Paragraph 6.

9. Attorney's Fees. In the event of any dispute between the parties involving the covenants or conditions contained in this Agreement, the prevailing party shall be entitled to recover reasonable expenses, attorney's fees and costs.

10. Arbitration. The parties agree that any dispute relating to this Agreement shall be resolved by arbitration in accordance with rules of the American Arbitration Association. Both parties agree to take whatever actions are necessary to obtain an accelerated arbitration hearing if requested by either party.

11. Claims. Each party waives any legal or equitable claims which it may have against the other party with respect to facts which are currently within the waiving party's knowledge and awareness.

12. Notices.

12.1. Any notice required or permitted to be given by Agency to Arrow Rentals under or pursuant to this Agreement shall

be deemed sufficiently given if in writing and delivered personally to an officer of Arrow Rentals or mailed by first class mail addressed to Arrow Rentals as follows:

Arrow Rentals
187 North "L" Street
Livermore, CA 94550
Attn: Tony Sullins

A copy shall be provided to:

Peter MacDonald, Esq.
533 Peters Avenue
Pleasanton, CA 94566

12.2. Any notice required or permitted to be given to the Agency under or pursuant to this Agreement shall be made and given in writing, and delivered personally to an agent of the Agency or mailed by first class mail addressed as follows:

City of Livermore Redevelopment Agency
1052 South Livermore Avenue
Livermore, CA 94550
Attn: Deputy Executive Director

13. Further Assurances. Each party hereto agrees to execute and deliver to the other party such further documents or instruments as may be necessary or appropriate in order to carry out the intentions of the parties as contained in this Agreement.

14. Binding Effect; Assignment. This Agreement shall be binding upon, and shall inure to the benefit of, the heirs, successors and assigns of the parties hereto.


15. Counterparts. This agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

16. **Prior Agreements.** This Agreement and the exhibits hereto contain the entire understanding of the parties relating to the subject matter hereof and shall supersede any prior written or oral agreements or communications between the parties pertaining to such subject matter.

17. **Further Actions.** In entering this Agreement, the Board of Directors Authorizes the Executive Director and his Authorized Agents to take all further actions necessary to implement this Agreement including but not limited to executing of documents and expenditures of sums necessary to complete the transaction.

IN WITNESS WHEREOF, Agency and Arrow Rentals have executed this Agreement as of the day and year first above written.

Don-Sul, Inc. (dba Arrow Rentals)

By 
Tony Sullins, President
and Authorized Agent

CITY OF LIVERMORE REDEVELOPMENT
AGENCY

By _____
Dale Turner, Chairperson

ATTEST:

Carol Greany, Agency Clerk

APPROVED AS TO FORM:

Thomas Curry, Agency Attorney

8/24/89

LAW OFFICE
PETER MACDONALD
533 PETERS AVENUE
PLEASANTON, CALIFORNIA 94566

(415) 462-0191
FAX (415) 462-1380

August 23, 1989

Mr. Rafat Shahid
Hazardous Materials Division
Department of Environmental Health
80 Swan Way, Suite 200
Oakland, CA 94621

Re: **Contamination of Soil at 187 North L Street, Livermore, CA 94550**

Dear Mr. Shahid:

In response to your letter to Mr. Tony Sullins of Arrow Rentals dated July 25, 1989, the following actions have been completed:

- An unauthorized leak report was filed on August 1, within the required 5 day reporting period
- A deposit of \$831 was submitted to cover costs that the Division of Hazardous Materials may incur during remediation oversight.
- Mr. Sullins has retained Science Applications International Corporation (i.e. Leslie Peeters of the Pleasanton Office of SAIC) to review the Woodward-Clyde Consultants (WCC) reports and advise regarding scientific issues related to the contamination and cleanup.

You should be aware that budget constraints are severe for a small business such as Arrow Rental and we must all cooperate to achieve cost effective solutions at 187 North L Street. At the present time it is not known if any insurance monies will be available; the insurance companies are currently analyzing the policies to determine if coverage will apply.

There exists a high likelihood that there are additional responsible parties for the contamination at 187 North L Street. Mr. Sullins has retained the services of an analytical chemist to verify that diesel fuel was, in fact, detected as is stated in the July 10, 1989, Woodward-Clyde Consultants (WCC) report. Since Mr. Sullins has never stored diesel fuel underground, the presence of diesel could implicate previous occupants, one of which was a major oil company gas station. As of yet, the raw data from the analytical laboratory has

Mr. Rafat Shahid
August 23, 1989
Page 2

not been made available under reasonable conditions; a request for the raw data was met with an exorbitant cost estimate. However, arrangements to obtain the raw data have continued and are nearing completion. In addition, negotiations are on-going with Federated Insurance, the company providing coverage to the gasoline distributor who apparently dispensed approximately 600 gallons of gasoline to a vapor monitoring well for a permitted tank on the subject property on June 18, 1985.

A hydrologic review of the WCC documents has indicated that the geotechnical work performed to date is not adequately complete to conclusively attribute the contamination on the subject property to events occurring on that property. The hydrologic review found the following deficiencies with the WCC geotechnical investigation:

- The soil and groundwater investigation to date has not included a monitoring well or soil boring upgradient of Mr. Sullins' property. Without data from a point upgradient, it is not possible to determine what effects, if any, the present and former petroleum tanks may have had on the groundwater. Until analyses from an upgradient monitoring well are available, the groundwater contamination in monitoring wells W-1, W-2, and W-3 cannot be conclusively attributed to occurrences on Mr. Sullins' property.

The assertion that groundwater contamination has resulted from leaking tank(s) on the subject property is particularly inconclusive in light of a reported fuel leak at 2008 First Street approximately 700 feet upgradient, where the Regional Water Quality Control Board (RWQCB) has recommended further investigation due to possible groundwater contamination.

- As presented in the Phase II report the groundwater gradient and flow direction are based on data from three monitoring wells, the minimum number needed to determine these aquifer characteristics. In this case, the three monitoring wells are sufficient only in providing a "general" idea of the gradient and flow direction. Data from an additional, strategically placed monitoring well would allow these characteristics to be determined more precisely. Until the groundwater flow direction is delineated with more confidence, it is not possible to conclusively identify the source of the contamination found in monitoring wells W-2 and W-3.
- WCC did a survey of the types of businesses (i.e., possible contaminant sources) located on the property that the Redevelopment Agency intends to purchase. Because, Mr. Sullins' property occupies the north east portion of the parcel, this survey did not include the area that would be considered hydrologically upgradient of Mr. Sullins' property. In order to identify all possible sources contributing to the groundwater contamination found in the monitoring wells, it is important to know what types of businesses are operating or have operated in the past in an upgradient direction of the property.

Mr. Rafat Shahid
August 23, 1989
Page 3

- Lead analyses were not performed on samples from any of the monitoring wells or on-site borings. Information on the lead content of soil samples or free product from W-1 could help in identifying the source of the contaminants.

Considering the probability of several potentially responsible parties and the incomplete nature of the field work, it may be premature at this point for Mr. Sullins to be required to prepare a work plan as described in your July 25, 1989 letter. Our immediate goal is to develop agreement upon a plan for further testing between the potentially responsible parties and the City of Livermore Redevelopment Agency. Upon completion of the testing program, the work plan for remediation will be prepared expeditiously for your review. In the mean time, activities related to the development of the required work plan are being deferred pending resolution of these issues and further discussions with your office.

The cost of the testing program is a problem. The City of Livermore Redevelopment Agency induced Mr. Sullins to sign a Right of Entry permitting it to investigate for hazardous materials at the Arrow Rentals site with the representation that the Redevelopment Agency would pay for the testing. At that time, the Redevelopment Agency had the Phase I report from WCC in its possession and did not provide it to Mr. Sullins despite strong indications of possible contamination. It is our position that it is unfair and probably a contractual violation for the Redevelopment Agency to leave the testing uncompleted.

In conclusion, Mr. Sullins is actively conducting investigations which will help determine the number of potentially responsible parties and the extent to which each has contributed to the contamination found at the subject property. The insurance companies have been notified of the situation and are currently reviewing the policies to determine if coverage is applicable. It is necessary to complete these activities in order to obtain the funds that must be located to commence and conduct remedial actions at the subject property.

Should you have any questions relating to the technical aspects of the site evaluation, please call Leslie Peeters of SAIC at (415) 463-8111, ext. 113. All other questions and requests should be directed to me at (415) 462-0191.

Sincerely,



Peter MacDonald

LP/PM:bz

Mr. Rafat Shahid
August 23, 1989
Page 4

cc: Leslie Peeters, SAIC
Tony Sullins, Arrow Rentals
Lester Feldman, RWQCB
Karen Majors, City of Livermore
Redevelopment Agency
Susan Bourland, Federated Insurance
Al Ridley, Woodward Clyde Consultants
Natalie West, Meyers, Nave, Riback & West



Science Applications International Corporation
An Employee-Owned Company

August 1, 1989

Mr. Rafat Shahid
Hazardous Materials Division
Department of Environmental Health
80 Swan Way, Suite 200
Oakland, CA 94621

Dear Mr. Shahid:

Enclosed is an "Underground Storage Tank Unauthorized Release (Leak)/ Contamination Site Report" which provides the information you requested in a letter to Mr. Tony Sullins of Arrow Rentals, 187 North L Street, Livermore, California. As required, this information is being provided within five (5) days of receiving your notification.

The fee that was requested is being sent under separate cover.

Should you have any questions relating to the technical aspects of the site evaluation, please call me at (415) 463-8111, ext. 113. All other questions and requests should be referred to Mr. Peter MacDonald (415) 462-0191.

Sincerely,

A handwritten signature in cursive script that reads "Leslie A. Peeters". The signature is written in black ink and is positioned above the typed name.

Leslie A. Peeters
Hydrogeologist
Science Applications International Corporation

LAP:bz

Enclosure

cc: Peter MacDonald
Tony Sullins

8/31/87
mm
#

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 0 M 8 M 0 D 1 D 8 Y 9 Y	CASE #	SIGNED _____ DATE _____

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Leslie Peeters	PHONE (415) 463-8111	SIGNATURE <i>Leslie Peeters</i>
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER _____	COMPANY OR AGENCY NAME Science Applications International Corporation	
	ADDRESS 4900 Hopyard Rd., Ste. 310 Pleasanton CA 94566		

RESPONSIBLE PARTY	NAME Tony Sullins! <input type="checkbox"/> UNKNOWN	CONTACT PERSON Peter McDonald	PHONE (415) 455-1900
	ADDRESS 187 North L Street, Livermore, CA 94550		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) Arrow Rentals	OPERATOR Tony Sullins	PHONE (415) 455-1900
	ADDRESS 187 North L Street, Livermore Alameda 94550		
	CROSS STREET Railroad Avenue	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 type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER Equip. Renta

IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME Alameda County Dept. of Env. Health	CONTACT PERSON Lowell Miller	PHONE (415) 271-4320
	REGIONAL BOARD San Francisco Bay RWQCB	not yet designated	

SUBSTANCES INVOLVED	(1) NAME Gasoline	QUANTITY LOST (GALLONS) _____ <input checked="" type="checkbox"/> UNKNOWN
	(2) NAME Diesel	QUANTITY LOST (GALLONS) _____ <input checked="" type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED 0 M 7 M 1 D 0 D 8 Y 9 Y	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> INVENTORY CONTROL <input checked="" type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input checked="" type="checkbox"/> OTHER soil analyses
	DATE DISCHARGE BEGAN _____ <input checked="" type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER _____
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE _____	Possible sources were removed in 1972 and 1984

SOURCE/CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input checked="" type="checkbox"/> OTHER see comments	TANKS ONLY CAPACITY 3-1500 gallon 1-4000 gallon 1-6000 gallon AGE Unknown YRS <input type="checkbox"/> UNKNOWN	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 _____
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CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
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CURRENT STATUS	CHECK ONE ONLY <input 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 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 checked="" type="checkbox"/> OTHER (OT) see comments
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COMMENTS
Source/Cause: Another possible source was an incident in 1985 or 1986 where the gasoline distributing company poured an estimated 600 gallons of gasoline into a vapor monitoring well.
Remedial Action: The type of remedial action that will be necessary has not yet been determined.

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 AGENCY PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.
REPORT DATE 0 <u>M</u> 8 <u>M</u> 0 <u>D</u> 1 <u>D</u> 8 <u>Y</u> 9 <u>Y</u>	CASE #	SIGNED _____ DATE <u>AUG 07 1989</u>

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Leslie Peeters	PHONE (415) 463-8111	SIGNATURE <i>Leslie Peeters</i>
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER	COMPANY OR AGENCY NAME QUALITY CONTROL BOARD Science Applications International Corporation	
	ADDRESS 4900 Hopyard Rd., Ste. 310 Pleasanton CA 94566		

RESPONSIBLE PARTY	NAME Tony Sullins	CONTACT PERSON Peter McDonald	PHONE (415) 455-1900
	ADDRESS 187 North L Street, Livermore, CA 94550		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) Arrow Rentals	OPERATOR Tony Sullins	PHONE (415) 455-1900
	ADDRESS 187 North L Street, Livermore Alameda 94550		
	CROSS STREET Railroad Avenue	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 type="checkbox"/> FARM <input type="checkbox"/> OTHER Equip. Renta

IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME Alameda County Dept. of Env. Health	CONTACT PERSON Lowell Miller	PHONE (415) 271-4320
	REGIONAL BOARD San Francisco Bay RWQCB	not yet designated	

SUBSTANCES INVOLVED	(1) NAME Gasoline	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2) NAME Diesel	<input checked="" type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED 0 <u>M</u> 7 <u>M</u> 1 <u>D</u> 0 <u>D</u> 8 <u>Y</u> 9 <u>Y</u>	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> INVENTORY CONTROL <input checked="" type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS	OTHER soil analyses
	DATE DISCHARGE BEGAN ____/____/____ <input checked="" type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE	
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE	Possible sources were removed in 1972 and 1984	

SOURCE/CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input checked="" type="checkbox"/> OTHER see comments	TANKS ON V CAPACITY 1-1500 gallon 1-6000 gallon AGE Unknown YRS	MATERIAL <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPURE/FAILURE <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input type="checkbox"/> OTHER
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CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
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CURRENT STATUS	CHECK ONE ONLY <input 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
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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 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 checked="" type="checkbox"/> OTHER (OT) see comments
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COMMENTS
Source/Cause: Another possible source was an incident in 1985 or 1986 where the gasoline distributing company poured an estimated 600 gallons of gasoline into a vapor monitoring well.
Remedial Action: The type of remedial action that will be necessary has not yet been determined.

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) 271-4320

July 25, 1989

Mr. Toni Sullins
Arrow Rentals
187 North L Street
Livermore, CA 94550

SUBJECT: CONTAMINATION OF SOIL AT 187 NORTH L STREET, LIVERMORE,
CALIFORNIA 94550

Dear Mr. Sullins:

In a report prepared by Woodward Clyde Consultants dated July 10, 1989, it was indicated that TPH of 16,000 ppm was found at a boring near your former gasoline tanks. Title 23 of the California Code of Regulations requires all such unauthorized releases from underground tanks to be reported. An unauthorized release report must be filed with this office within 5 days of the date of this letter; in addition, you must initiate further investigation and/or cleanup activities at this site.

First, a preliminary assessment should be conducted to determine the extent of soil and groundwater contamination that has resulted from the leaking tank(s). The information gathered by this investigation will be used to assess the need for additional actions at the site. The preliminary assessment should be designed to provide all of the information in the format shown at the end of this letter. This format is based on the Regional Water Quality Control Board (RWQCB's) guidelines. You should be prepared to install one monitoring well, if you can verify the direction of groundwater flow in the immediate vicinity of the site, and three wells or piezometers, if you cannot.

Until cleanup is complete, you will need to submit reports to this office and to the RWQCB every three months (or at a more frequent interval, if specified at any time by either agency). These reports should include information pertaining to further investigative results; the methods and costs of cleanup actions implemented to date; and the method and location of disposal of any contaminated material.

Mr. Sullins
Arrow Rentals
RE: 187 N. L St.
July 25, 1989
Page 2 of 6

Soils contaminated at hazardous waste concentrations should be transported by a licensed hazardous waste hauler and disposed of or treated at a facility approved by the California Department of Health Services. Soils contaminated below the hazardous threshold may be managed as nonhazardous, but are still subject to the RWQCB's waste discharge requirements.

Your work plan should be submitted to this office within 30 days of the date of this letter. A report describing the results of the preliminary site assessment should be submitted within 60 days of the date of this letter. Copies of the proposal and report should also be sent to the RWQCB (attention: Lester Feldman). You may implement remedial actions before approval of the work plan, but final concurrence by this office will depend on the extent to which the work done meets the requirements described in this letter.

It is a violation of the California Health and Safety Code (Sec. 25299) for any owner or operator of an underground storage tank to:

1. Operate an underground storage tank without a permit;
2. Fail to monitor the tank as required by the permit;
3. Fail to maintain proper records;
4. Fail to report an unauthorized release;
5. Fail to properly close an underground storage tank;

Owners and operators of underground storage tanks may be liable for a civil penalty of up to \$5,000 per day per violation of the above provisions.

Additionally, you will need to submit a deposit of \$831 to cover costs that the Division of Hazardous Materials incurs during remediation oversight. Should you have any questions about this letter or about remediation requirements established by the RWQCB, please contact Lowell Miller, Senior Hazardous Materials Specialist, at 415/271-4320.

Sincerely,

Rafat A. Shahid

Rafat A. Shahid
Chief, Hazardous Materials Division

RAS:LM:mam

cc: Karen Majors, City of Livermore Redevelopment Agency
Lester Feldman, RWQCB
Lowell Miller, Alameda County Hazardous Materials Division
Files

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 25100.7 OF THE HEALTH AND SAFETY CODE SIGNED _____ DATE _____
REPORT DATE 06/19/89	CASE #	

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Albert Ridley	PHONE (415) 874-3125	SIGNATURE <i>Albert Ridley</i>
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OTHER City of Livermore	OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/>	COMPANY OR AGENCY NAME Woodward-Clyde Consultants
	ADDRESS 500 12th St, Suite 100 CITY Oakland STATE CA ZIP 94607-9014		

RESPONSIBLE PARTY	NAME <input checked="" type="checkbox"/> UNKNOWN	CONTACT PERSON	PHONE ()
	ADDRESS		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) Arrow Rentals	OPERATOR Mr. Tony Sullins	PHONE (415) 455-1900
	ADDRESS 187 North "L" St. CITY Livermore COUNTY Ala ZIP 94550		
	CROSS STREET Railroad Ave	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 type="checkbox"/> RETAIL FUEL STATION <input checked="" type="checkbox"/> FARM <input checked="" type="checkbox"/> OTHER Equip Rent.

IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda Co. Health Dept	AGENCY NAME	CONTACT PERSON Mr. Lowell Miller	PHONE (415) 271-4320
	REGIONAL BOARD			PHONE ()

SUBSTANCES INVOLVED	(1) NAME Gasoline	QUANTITY LOST (GALLONS) _____ <input checked="" type="checkbox"/> UNKNOWN
	(2) NAME Diesel	QUANTITY LOST (GALLONS) _____ <input checked="" type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED 06/13/89	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> INVENTORY CONTROL <input checked="" type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER
	DATE DISCHARGE BEGAN _____ <input checked="" type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input checked="" type="checkbox"/> OTHER Tanks removed 1972/1984
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE _____	

SOURCE/CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER	TANKS ONLY: CAPACITY see below 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 type="checkbox"/> UNKNOWN			

CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
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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 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)
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COMMENTS
Three 1500 gal, one 6000 gal, one 4000 gal tanks removed in 1972. removed in late 1984

J.D.
2000 & P. 12

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
(415) 271-4320

2/21/89
ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION

BUSINESS PLAN - PART I

1. Business Name ARROW RENTALS
Site Address 187 N. L Street
City Livermore, CA 94550 Zip _____
Mailing Address _____
City _____ Zip _____

2. Contact Person TONY SULLINS Phone No. 415 455-1900

3. Total Area of Business in Square Feet 17,265

4. Hazardous Materials/Waste Storage and Handling Area in Square Feet:
550 GAL Propanol 1000 GAL GAS TANK

Sq. Ft. 8

5. HAZARDOUS SUBSTANCES OR WASTES OVER 55 GALLONS*, 500 LBS.* OR 200 CUBIC FEET*

	Gallons* (liquid)	Pounds* (solid)	Cubic Feet* (gaseous)	Number of Items
Hazardous Materials	<u>1000 GAS (Underground)</u>			<u>2</u>
	<u>550 Propanol (Above Ground)</u>			
Hazardous Waste				
GRAND TOTAL	<u>1550</u>			

OWNER OR OPERATOR'S SIGNATURE [Signature]

PRINTED NAME TONY SULLINS

DATE 2-17-89

* Metric Equivalents may be used