# ALÁMEDA COUNTY HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



F02746

**ENVIRONMENTAL HEALTH SERVICES** 

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

November 30, 2007

Mr. Jack Krause Alta Properties, LLC P.O. Box 2399 Oakland, CA 94614

Mr. Richard Neu Edenwood Corp. 47 Parsippany Road Whippany, NJ 07981

Subject: SLIC Case No. RO0002746 and Geotracker Global ID SL0600186350, AAA Equipment, 745 50<sup>th</sup> Avenue, Oakland, CA 94601 and SLIC Case RO0002478 and Geotracker Global ID SLT2O150156, Learner Investment Company, 768 46<sup>th</sup> Avenue, Oakland, CA 94601

Dear Mr. Krause and Mr. Neu:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigations, and Cleanups (SLIC) case files for the above referenced sites including the recently submitted document entitled, "Workplan for Assessment of Dichlorobenzene in Soil and Groundwater, Former AAA Equipment Company Property, 745 50th Street, Oakland, California (SLIC Case No. RO0002746 and Geotracker Global ID SL0600186350) and Learner Investment Company Property, 786 46th Avenue, Oakland, California SLIC Case RO0002478 and Geotracker Global ID SLT2O150156, Learner Investment Company, 768 46th Avenue, Oakland, CA 94601," dated October 30, 2007. The above referenced work plan, which was prepared by LFR Environmental Management & Consulting Engineering proposes work at both the AAA Equipment and Learner Investment Company sites. We have also received a work plan entitled, "Additional Site Assessment Workplan, Learner Investment Company Property, 768 46th Avenue, Oakland, California," dated November 8, 2007 that proposes additional site investigation activities exclusively at the Learner Investment Company property. Technical comments in this correspondence apply only to the October 30, 2007 work plan; separate ACEH correspondence will address the November 8, 2007 work plan.

Petroleum hydrocarbons and chlorinated solvents, including 1,3-dichlorobenzene and 1,4-dichlorobenzene, have been detected in soil and groundwater samples collected on four adjacent properties in the area of your site. It appears that the chlorinated solvents are from a common source of historic releases that occurred on each of the four properties (PG&E, Learner Investment Company, AAA Equipment, and Superior Plaster Casting), resulting in a commingled plume. Therefore, ACEH considers all four parties responsible for the release. As presented in directive letters and discussed during a meeting with each of the four responsible parties held on October 10, 2007, ACEH requested that responsible parties for each of four adjacent properties work individually or cooperatively to evaluate the source and extent of the groundwater impacts. We thank Alta Properties LLC and Mr. Richard Neu for their cooperation in preparing a Work Plan to accomplish this goal. We note that have also submitted a work plan for site investigation on the adjacent PG&E property. To date a work plan has not been submitted for the Superior

Plaster Casting site and we have again requested that a work plan be submitted for this fourth property.

The proposed scope of work in the October 30, 2007 work plan is generally acceptable and may be implemented provided that the technical comments below are addressed during the proposed field investigation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

#### **TECHNICAL COMMENTS**

- 1. Proposed Soil Sampling. We request that soils from the proposed direct push soil borings be logged and screened continuously in the field as the boring is advanced. Field screening is to be conducted by a qualified field geologist using visual observations, odor, and measurements using a field photoionization detector (PID) fitted with an appropriate lamp and calibrated for the chemicals of concern. Soil samples are to be extracted from the continuous cores at frequent intervals and placed in sealed jars or plastic bags for measurement and recording of VOC concentrations in the headspace using the PID. Soil samples are to be collected for laboratory analysis from any zones where visible staining, odor, or elevated PID readings are observed. If visible staining, odor, or elevated PID readings are observed, a sufficient number of soil samples must be collected to characterize the vertical interval over which the contamination occurs. If no visible staining, odor, or elevated PID readings are observed, the collection of a soil sample at the proposed fixed interval of 4 feet bgs from each boring is acceptable. Please present boring logs, screening results, and analytical data for soil samples in the Site Investigation Report requested below.
- 2. Soil Sampling Procedures. Soil samples for analyses other than VOCs may be collected in clean liners that are sealed at each end with plastic caps and silicone tape. However, it is important to limit the volatilization of VOCs from soil cores and samples that will be analyzed in the laboratory for VOCs. We request that soil samples for VOCs be collected using soil sampling syringes as soon as practicable after the soil core is available. Subsamples collected using the syringes are to be extruded in the field into new volatile organic analysis vials for transport to the laboratory.
- 3. Proposed Laboratory Analyses for Soil Samples. We request that you analyze soil samples from proposed borings DCB-P1 through DCB-P4 for VOCs using EPA Method 8260B, TPH as diesel and TPH as motor oil using EPA Method 8015M with silica gel cleanup, polynuclear aromatic hydrocarbons (PAHs) using EPA Method 8270 selective ion monitoring, and CAM 17 metals using EPA Method 6010. We request that you analyze soil samples from proposed borings DCB-P5 and DCB-P6 for VOCs using EPA Method 8260B and TPH as diesel and TPH as motor oil using EPA Method 8015M with silica gel cleanup.
- 4. Groundwater Sampling Methods and Analysis for Metals. The proposed grab groundwater sampling methods are generally acceptable. However, we note that the four grab groundwater samples collected for metals analysis from borings DCB-P1 through DCB-

P4 will be filtered at the laboratory prior to analysis. Grab groundwater samples are generally not of sufficient quality to provide representative results for dissolved metals due to elevated turbidity. Filtering of the samples may partially offset the effects of elevated turbidity but the results are not necessarily representative of dissolved concentrations in groundwater. You may analyze the filtered grab groundwater samples for metals; however, the metals data may only be considered on a relative basis to identify possible metals sources and should not be considered representative results for comparison to human health screening criteria. Installation of groundwater monitoring wells during a future phase of investigation will be necessary to obtain groundwater samples of sufficient quality for dissolved metals analysis, if warranted.

 Proposed Laboratory Analyses for Groundwater Samples. In addition to the proposed analyses, we request that you analyze all groundwater samples for TPH as diesel and TPH as motor oil using EPA Method 8015M with silica gel cleanup.

#### **TECHNICAL REPORT REQUEST**

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

April 18, 2008 – Site Investigation Report

#### **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.

#### 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 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297

Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Marcella Harrison, GVA Kidder Mathews, 505 Sansome Street, Suite 300, San Francisco, CA 94111

Robert Saur, PG&E, 3400 Crow Canyon Road, San Ramon, CA 94583

Robert Nichols, P.O. Box 6716, Oakland, CA 94603

John Miller, 250 Cambridge Avenue, Palo Alto, CA 94306

Tom Chandler, LFR, 3150 Bristol Street, Suite 250, Costa Mesa, CA 92626-7324

Robert Schultz, Geomatrix, 2101 Webster Street #12, Oakland, CA 94612

Donna Drogos, ACEH Jerry Wickham, ACEH File RO2746 File RO2478

# ALAMEDA COUNTY HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director

R02746

ENVIRONMENTAL HEALTH SERVICES

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

November 30, 2007

Mr. Robert Saur PG&E 3400 Crow Canyon Road San Ramon, CA 94583

Subject: SLIC Case No. RO0000099 and Geotracker Global ID T0600100258, PG&E, 4930 Coliseum Way, Oakland, CA 94601

Dear Mr. Saur:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigations, and Cleanups (SLIC) case file for the above referenced site including the recently submitted document entitled, "Additional Investigation Work Plan, PG&E Oakland General Construction Yard, 4930 Coliseum Way, Oakland, California," dated November 16, 2007. The Work Plan, which was prepared by Geomatrix, proposes advancing soil borings at nine locations to collect soil and groundwater samples.

Petroleum hydrocarbons and chlorinated solvents, including 1,3-dichlorobenzene and 1,4-dichlorobenzene, have been detected in soil and groundwater samples collected on four adjacent properties in the area of your site. It appears that the chlorinated solvents are from a common source of historic releases that occurred on each of the four properties (PG&E, Learner Investment Company, AAA Equipment, and Superior Plaster Casting), resulting in a commingled plume. Therefore, ACEH considers all four parties responsible for the release. As presented in directive letters and discussed during a meeting with each of the four responsible parties held on October 10, 2007, ACEH requested that responsible parties for each of four adjacent properties work individually or cooperatively to evaluate the source and extent of the groundwater impacts. We thank PG&E for their cooperation in preparing a Work Plan to accomplish this goal. We note that Alta Properties LLC and Mr. Richard Neu have also submitted a work plan for site investigation on the adjacent AAA Equipment and Learner Investment Company properties. To date a work plan has not been submitted for the Superior Plaster Casting site and we have again requested that a work plan be submitted for this fourth property.

The proposed scope of work in the November 16 work plan is generally acceptable and may be implemented provided that the technical comments below are addressed during the proposed field investigation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

Mr. Robert Saur RO0000099 November 30, 2007 Page 2

#### **TECHNICAL COMMENTS**

- 1. Proposed Soil and Groundwater Sampling. The proposed soil and groundwater sampling locations and methods are generally acceptable. However, we request that the proposed soil samples within the former excavation area (borings SB-26 and SB-28) be collected 6 inches below the fill and native soil contact where the contact is obvious rather than at the proposed fixed interval. If the fill and native soil contact is not obvious, the soil samples are to be collected at 9.5 feet bgs in SB-26 and 8 feet bgs in boring SB-28.
- 2. Depth of Deeper Soil Borings. The proposed depth of deeper soil borings SB-29 and SB-30 was not specified in section 3.2.2 of the Work Plan. We request that borings SB-29 and SB-30 be extended to a minimum depth of 35 feet bgs. Determining the depth intervals for collection of depth-discrete groundwater samples in the field based on encountered soil stratigraphy is acceptable.
- 3. Proposed Laboratory Analyses for Soil Samples. We request additional analyses for several soil samples as shown on the attached Revised Table 1. We request that the four soil samples that will be analyzed for polynuclear aromatic hydrocarbons (PAHs) also be analyzed for polychlorinated biphenyls (PCBs) using EPA Method 8082 and CAM 17 metals using EPA Method 6010. We also request analysis for VOCs and TPH as diesel and motor oil for several additional samples as shown on attached Revised Table 1. Please present these results in the Site Investigation Report requested below.
- 4. Proposed Laboratory Analyses for Groundwater Samples. The proposed laboratory analyses for groundwater samples are acceptable.

#### **TECHNICAL REPORT REQUEST**

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

April 18, 2008 – Site Investigation Report

#### **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

Mr. Robert Saur RO0000099 November 30, 2007 Page 3

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 (<a href="http://www.swrcb.ca.gov/ust/cleanup/electronic\_reporting">http://www.swrcb.ca.gov/ust/cleanup/electronic\_reporting</a>).

#### 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.

#### **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 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely.

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297

Hazardous Materials Specialist

Attachment: Revised Table 1

Mr. Robert Saur RO0000099 November 30, 2007 Page 4

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Marcella Harrison, GVA Kidder Mathews, 505 Sansome Street, Suite 300, San Francisco, CA 94111

Jack Krause, Alta Properties, LLC, P.O. Box 2399, Oakland, CA 94614

Richard Neu, Edenwood Corp., 47 Parsippany Road Whippany, NJ 07981

Robert Nichols, P.O. Box 6716, Oakland, CA 94603

John Miller, 250 Cambridge Avenue, Palo Alto, CA 94306

Tom Chandler, LFR, 3150 Bristol Street, Suite 250, Costa Mesa, CA 92626-7324

Robert Schultz, Geomatrix, 2101 Webster Street #12, Oakland, CA 94612

Donna Drogos, ACEH Jerry Wickham, ACEH File RO2746 File RO2478

# Revised Table 1



Table 1. Sampling and Analysis Plan

Sampling Location	Location	Sample Depths to be Analyzed (feet bgs)	VOCs	TPHg	TPHd with Silica Gel Cleanup	TPHmo with Silica Gel Cleanup	PAHs	Mer PCE
SB-23	Former diesel UST, downgradient of former Superior Plaster	Soil: 3 <sup>1</sup>	х					
		Soil: 4 <sup>2</sup>		•	х	Х		
SB-24	Downgradient of former Superior Plaster	Soil: 3	Х		X	X		
		Groundwater: first <sup>3</sup>	X		х	Х		
SB-25	Downgradient of former Superior Plaster and Learner, Adjacent to former Excavation	Soil: 3 <sup>1</sup>	X					
		Soil: 4 <sup>2</sup>			×	X	Х	X
		Groundwater: first <sup>3</sup>	Х	Х	Х	Х		
SB-26	Downgradient of former AAA, Superior Plaster, and Learner	Soil: <b>X9.5</b>	X		X	X	X	X
		Groundwater: first <sup>3</sup>	X	Х	х	Х		
SB-27	Downgradient of former AAA	Groundwater: first <sup>3</sup>	X	Х	Х	X		
SB-28	Downgradient of former AAA	Soil: 🗶 🞖	X		X	X	Х	<b> </b> X
		Groundwater: first <sup>3</sup>	Х	Х	Х	x		
SB-29	Downgradient of well OW-7, adjacent to former excavation	Soil: 3 <sup>1</sup>	X	Х				
		Soil: 4 <sup>2</sup>			Х	Х	X	]×
		Groundwater: first and deeper <sup>3</sup>	х	Х	Х	X		
SB-30	Downgradient of well OW-7	Soil: 3 <sup>1</sup>	Х					
		Groundwater: first and deeper <sup>3</sup>	х	Х	х	Х		
SB-31	Downgradient of former AAA, Superior Plaster, and Learner	Groundwater: first <sup>3</sup>	Х	Х	Х	Х		

#### Notes:

- Sample to be collected in vadose-zone soil at least 1 foot above first-encountered groundwater.
- Sample to be collected from immediately above first-encountered groundwater.
- Depth to groundwater is estimated at 5 feet bgs. Sampling interval will be from water table to 5 feet below.
- X Sample to be analyzed for listed parameters.

### 3.2.6 Quality Assurance and Quality Control Methodology

Field quality assurance/quality control (QA/QC) samples for chemical analysis will include the collection of one groundwater blind field duplicate and one trip blank per sample cooler. QA/QC procedures will include adherence to protocols for field sampling and decontamination procedures, as well as collection and laboratory analysis of controlled standards, matrix spike

To:

Chandler, Tom

Cc:

'Krause, Jack'; 'Dick Peckham (dpeckham@westsidebmc.com)'; 'Saur, Robert'; 'Marcella Harrison'

Subject: RE: Westside & Learner Properties, Oakland

Based upon your request, the schedule for submittal of a Work Plan for the former AAA Equpiment (case RO2746) and Learner Investment (case RO2478) sites is extended to October 30, 2007.

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: Chandler, Tom [mailto:Tom.Chandler@lfr.com]

Sent: Friday, September 21, 2007 5:56 PM

To: Wickham, Jerry, Env. Health

Cc: 'Krause, Jack'; 'Dick Peckham (dpeckham@westsidebmc.com)'; 'Saur, Robert'; 'Marcella Harrison'

Subject: Westside & Learner Properties, Oakland

Attached is a request to extend the deadline for the submittal of workplans for the two referenced properties. Your consideration of this request is appreciated.

Thomas S. Chandler
Principal Engineer
LFR
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626-7324
(714) 755-7229 Direct
(714) 444-0111 Main
(714) 444-0117 Facsimile
(714) 222-6101 Mobil
Tom.Chandler@lfr.com
Visit us at www.lfr.com

This message (including any attachments) is intended only for the use of the named a may contain information that is legally privileged, confidential or exempt from disc If you are not a named addressee, you are hereby notified that any use, disseminatio of this message is strictly prohibited. If you have received this message in error, sender immediately by telephone or by return e-mail and delete this message, along w from your computer. Thank you.



#### ENVIRONMENTAL MANAGEMENT & CONSULTING ENGINEERING

September 21, 2007

Jerry Wickman, P.G.
Hazardous Materials Specialist
Alameda County Environmental Health Department
Division of Environmental Protection
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor
Alameda, California 93402

Subject:

Request for Extension for Submittal of Site Assessment Workplans for SLIC Case RO0002746, AAA Equipment Company, 745 50<sup>th</sup> Avenue and SLIC Case RO0002478, Learner Investment Company, 768 46<sup>th</sup> Avenue, Oakland, California

Dear Mr. Wickman:

LFR, Inc. (LFR) is currently under contact with Westside Building Materials/Alta Properties (Westside, the current owners of the former AAA Equipment Company site located at 745 50<sup>th</sup> Avenue, Oakland, CA) and the Neu Investment Corporation (the current owners of the Learner Investment Company property located at 768 50<sup>th</sup> Avenue, Oakland, CA) to review the existing data and assist both parties in responding to your July 11, 2007 request for Site Assessment Workplans for the subject properties. Your July 11, 2007 letter also requested that Westside and the Neu Investment Company consider working cooperatively with the owners of the adjacent PG&E property located at 4930 Coliseum Way and Superior Plaster Castings property located at 4800 Coliseum Way, the two adjacent properties to the west.

LFR was granted access to the Alameda County Environmental Health Department (ACEHD) files on September 20, 2007 to obtain copies of the documents relating to the Learner property (the current owner did not have copies of the prior reports) and the Superior Plaster Casting site. There were several documents in the files for both sites and combined with the documents available for the PG&E site there is a lot of very important information to review and evaluate prior to developing an appropriate response to your request. Therefore, LFR is requesting an extension in the deadline to submit a response to your request for Site Characterization Workplans until October 30, 2007.

Your July 11, 2007 letter stated that there was a plume of volatile organic compounds (VOCs) extending under the Alta Site, Learner Site, Superior Plaster Site, and the PG&E Site and you encouraged the responsible parties to share data and develop comprehensive and compatible plans for each site. To date the responsible parties have only started preliminary communication and have not discussed details of any respective plans and have made no agreements to do so. An extension of the due date for a response to your request will allow more time for this process to materialize.



LFR thanks you for your consideration of this request. If you have questions please call me at 714-755-7229.

Sincerely,

Thomas S. Chandler Principal Engineer

Theologic

cc: Jack Krause, Alta Properties LLC, PO Box 2399, Oakland, CA Marcella Harrison, GVA Kidder Mathews, 505 Sansome Street, Suite 300, San Francisco, CA Robert Saur, PG&E 3400 Crow Canyon Road, San Ramon, CA 94583

# ALAMEDA COUNTY **HEALTH CARE SERVICES**









July 11, 2007

Mr. Jack Krause Alta Properties, LLC P.O. Box 2399 Oakland, CA 94614 ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

Subject: SLIC Case No. RO0002746 and Geotracker Global ID SL0600186350, AAA Equipment, 745 50th Avenue, Oakland, CA 94601

Dear Mr. Krause:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigations, and Cleanups (SLIC) case file for the above referenced site in response to concerns over petroleum hydrocarbons and volatile organic compounds detected in groundwater samples collected from monitoring wells on the adjacent PG&E property at 4930 Coliseum Way (Case RO0000099), which is downgradient from your property. Petroleum hydrocarbons and chlorinated solvents, including 1,3-dichlorobenzene and 1,4-dichlorobenzene, have also been detected in soil and groundwater samples collected on your site and at two other adjacent properties (Learner Property at 746 46th Avenue [Case RO0002478] and Superior Plaster Castings at 4800 Coliseum Way [Case RO0002661]). The chlorinated solvents appear to be from a common source of historic releases that occurred on each of the four properties (PG&E, Learner Property, AAA Equipment, and Superior Plaster Casting), resulting in a commingled plume. Therefore, all four parties are considered responsible for the release.

Although you have proposed capping of your property and deed restrictions to address soil contamination at your site, the proposed mitigation measures may not be adequate to address the commingled plume of chlorinated solvents that extends off-site. Further investigation of the source of groundwater contamination and plume extent is required to complete site characterization. We encourage all parties to cooperate in terms of sharing data and generating compatible and comprehensive Corrective Action Plans for their sites. Whether you choose to investigate this source of groundwater contamination on your property individually or in conjunction with the other three responsible parties, we request that you submit a Work Plan to investigate the source of groundwater contamination and plume extent at your site no later than September 17, 2007. The Work Plan should include a compilation of site history and land uses including Phase I and Phase II reports, a site conceptual model, maps showing the distribution of analytical data, tables of historic data, and maps of proposed soil and groundwater sampling locations.

#### TECHNICAL REPORT REQUEST

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

September 17, 2007 – Site Investigation Work Plan

Mr. Jack Krause RO0002746 July 11, 2007 Page 2

#### **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.

Mr. Jack Krause RO0002746 July 11, 2007 Page 3

#### 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, P.G.

Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Ms. Marcella Harrison, GVA Kidder Mathews, 505 Sansome Street, Suite 300, San Francisco, CA 94111

Mr. Richard Neu, Edenwood Corp., 47 Parsippany Road, Whippany, NJ 07981

Mr. Robert Saur, PG&E, 3400 Crow Canyon Road, San Ramon, CA 94583

Mr. Robert Nichols, P.O. Box 6716, Oakland, CA 94603

Mr. John Miller, 250 Cambridge Avenue, Palo Alto, CA 94306

Mr. Robert Schultz, Geomatrix, 2101 Webster Street #12, Oakland, CA 94612

Donna Drogos, ACEH Jerry Wickham, ACEH File

From:

Saur, Robert [R4Sw@pge.com]

Sent:

Tuesday, March 13, 2007 5:19 PM

To:

Chan, Barney, Env. Health

Cc:

Drogos, Donna, Env. Health; Wickham, Jerry, Env. Health; Jonathan Skaggs; Robert Schultz

Subject: RE: RO0000099, 4930 Coliseum Way, PG&E site

Barney-

Below is a proposed agenda for tomorrow's meeting. See you tomorrow at 10 am.

-Rob

#### Agenda

- 1. Update on PG&E's monitoring status (dates of past events, plans for next event)
- 2. GW monitoring results
  - a. Lead
  - b. TPH (near various onsite USTs)
  - c. other compounds (VOCs and TPH from upgradient)
- 3. Pathway to LUFT case closure
- 4. Update from County or upgradient property owners re. characterization results and regulatory status
- 5. Deed restriction ongoing needs at PG&E site

From: Chan, Barney, Env. Health [mailto:barney.chan@acgov.org]

Sent: Monday, March 05, 2007 9:21 AM

To: Saur, Robert

**Cc:** Drogos, Donna, Env. Health; Wickham, Jerry, Env. Health **Subject:** RE: RO0000099, 4930 Coliseum Way, PG&E site

I do not believe so, for this site. See you on the 14th at the County offices.

Barney

From: Saur, Robert [mailto:R4Sw@pge.com] Sent: Monday, March 05, 2007 7:41 AM

To: Chan, Barney, Env. Health

Subject: RE: RO0000099, 4930 Coliseum Way, PG&E site

Barney-

Yes, March 14, 10 am at the County offices works for us. Geomatrix is our new consultant for the site, so I plan to bring them to the meeting as well. I understand that you would like to discuss the long and short term needs for the site, impacts from adjacent properties and groundwater monitoring. Do you have any other agenda items that we should be prepared to discuss?

Thanks,

-Rob

To:

Krause, Jack

Cc:

Marcella Harrison

Subject: RE: SLIC Case # RO0002746

Jack.

I am trying to resolve issues with groundwater contamination from your site potentially affecting the PG&E site to the south. Petroleum hydrocarbons have been detected in PG&E's wells along their northern property boundary. Groundwater in this area generally flows from north to south. The PG&E site, which is overseen by another case worker, is in long-term monitoring for lead contamination. We plan to meet with PG&E to resolve long-term monitoring issues for their site.

#### 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: Krause, Jack [mailto:jkrause@westsidebmc.com]

Sent: Tuesday, February 06, 2007 6:18 AM

To: Wickham, Jerry, Env. Health

Cc: Marcella Harrison

Subject: SLIC Case # RO0002746

#### Dear Jerry,

By chance I ran into Marcella Harrison at a business function last week. You may recall that she is my contact person for the leased parcel involved in the above referenced case. We were both curious to know the state of affairs on the SLIC, and what steps are pending to achieve closure on this matter.

Please contact me at your convenience with any updated information that may be available.

Sincerely, Jack Krause



From:

Wickham, Jerry, Env. Health

Sent:

Wednesday, December 06, 2006 7:48 AM

To:

'Krause, Jack'

Subject: RE: SLIC Case # RO0002746

Jack,

The review at the Regional Water Quality Control Board has been completed. However, I need to review potential water quality issues on two cases on the adjacent properties that are downgradient from your property prior to proceeding with closure on your property. It is not clear how long the water quality issues may take to resolve. I will provide you with an update by January 1 or sooner if it is resolved sooner.

Regards,

Jerry Wickham

Alameda County Environmental Health 1131 Harbor Bay Parkway Alameda, CA 94502-6577 510-567-6791 Phone 510-933-9335 Fax jerry.wickham@acgov.org

**From:** Krause, Jack [mailto:jkrause@westsidebmc.com]

Sent: Monday, December 04, 2006 9:09 AM

To: Wickham, Jerry, Env. Health Subject: SLIC Case # RO0002746

Greetings Jerry,

I was reviewing my file on the above noted case and wanted to see where we currently stood. My last email with you appears to have been on May 24th, 2006. At that point in time, you indicated that my portion of the file and case had been forwarded to the Regional Water Quality Control Board; and we were awaiting their endorsement and sign off.

Do we have any current or updated information as to the status of this case?

I'll look forward to your reply, at your convenience.

Sincerely. Jack Krause

From:

Wickham, Jerry, Env. Health

Sent:

Wednesday, May 24, 2006 10:12 AM

To:

'Krause, Jack'

Subject: RE: SLIC Case #RO0002746

Hi Jack,

There are no issues with the Lerner site delaying closure at this point. I submitted the case closure on April 18 and got approvals within Alameda County Environmental Health. The case was submitted to the Regional Water Quality Control Board for a concurrence signature on May 10, which is standard. Currently waiting for a signature from RWQCB to proceed.

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: Krause, Jack [mailto:jkrause@westsidebmc.com]

Sent: Wednesday, May 24, 2006 8:15 AM

To: Wickham, Jerry, Env. Health

Cc: Peckham, Dick

Subject: SLIC Case #RO0002746

Hi Jerry,

I haven't heard anything recently on the status of the above referenced SLIC case. Your last letter of March 31st, 2006 indicated that additional issues had surfaced with respect to Lerner Investments and their adjacent parcels. My understanding was that we would be able to proceed with closure for the Alta Properties site, by going forward with recording the appropriate deed restrictions; but additional approvals were pending in your office prior to my taking the restrictions to the Recorder's Office.

Any progress updates would be appreciated.

Sincerely, Jack Krause

From:

Yoo, James

Sent:

Wednesday, April 12, 2006 3:51 PM

To:

Wickham, Jerry, Env. Health

Subject: RE: Well survey for 745 50th Avenue, Oakland

Jerry:

Sorry for the delay.

No production wells were found within a 2,000 foot radius from 745, 50th Ave, Oakland.

The closest well (3/4 of a mile away was in Berkeley at 3215 Adeline St (Washington Coin Wash). Not in use (5-14-01) and left abandon (City of Berkeley jurisdictions).

ACPWA has records of this State Well Number 1S/4W11K-1 (200 ft well) of water level measurement from 6-16-1993 to 5-14-2001.

Thanks and sorry for the delay. James

From: Wickham, Jerry, Env. Health Sent: Friday, March 31, 2006 10:14 AM

To: Yoo, James

Subject: Well survey for 745 50th Avenue, Oakland

James,

Can you please do a 2,000 foot well survey for a site at 745 50th Avenue in Oakland?

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

# ALAMEDA COUNTY HEALTH CARE SERVICES







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

March 31, 2006

Mr. Jack Krause Alta Properties, LLC P.O. Box 2399 Oakland, CA 94614

Ms. Amy Neu
Mrs. Allen Schneider
Neu Investment Corporation
C/o Eden Realty
47 Parsippany Road
Whippany, NJ 07981

Subject: SLIC Case No.



Former AAA Equipment, 745 50<sup>th</sup> Avenue, Oakland, CA

Dear Mr. Krause:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigations, and Cleanups (SLIC) case file for the above-referenced site including two proposed deed restrictions you submitted on March 15, 2006. One proposed deed restriction is for Parcel 034-2293-002-09 (formerly Parcels 034-2293-002-07 and 034-2293-002-08), which is located at 745 50th Avenue in Oakland and is owned by Alta Properties LLC. The second proposed deed restriction is for Parcel 034-2293-002-05, which is an L-shaped parcel that borders the Alta Properties LLC parcel to the north and east. Parcel 034-2293-002-05 is owned by Learner Investment Company c/o Neu Investment and has been referenced in previous reports for the site as the "Flag Lot."

In correspondence dated February 14, 2006, ACEH indicated that due to the elevated concentrations of residual fuel hydrocarbons, PCBs, PNAs, and metals in soil at the Alta Site and Flag Lot, additional investigation and remediation is required in order for the sites to have unrestricted future use. Therefore, ACEH requested in the February 14, 2006 correspondence that you submit a Corrective Action Plan or Proposal for Deed Restriction for the above-referenced site, including the "Flag Lot." Subsequent to issuance of our February 14, 2006 correspondence, we have found that Parcel 034-2293-002-05 (the "Flag Lot") is part an adjacent site with an open SLIC case (ACEH SLIC case RO0002478; Learner Investment, 768 46<sup>th</sup> Avenue). Therefore, all future regulatory evaluations of Parcel 034-2293-002-05 (the "Flag Lot") will be conducted separately as part of ACEH SLIC case RO0002478. We will continue our review and evaluation of the proposed deed restriction for Parcel 034-2293-002-09 (Alta Site) under this case RO0002746.

A request for an additional deposit to provide regulatory oversight for case RO0002478 has been sent to Learner Investment under separate correspondence.

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

Sincerely,

Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Donna Drogos, ACEH Jerry Wickham, ACEH File RO0002746

File RO0002478

From:

Krause, Jack [jkrause@westsidebmc.com]

Sent:

Wednesday, March 15, 2006 7:46 AM

To:

Wickham, Jerry, Env. Health

Cc:

Marcella Harrison; Peckham, Dick

Subject:

FW: Deed Restrictions

Attachments: Deed Restriction AC (V-3) - AltaProperties LLC.doc; Deed Restriction AC (V-3) - Lerner

Investment Company.doc

Good Morning Jerry.

I am forwarding you the revised Deed Restrictions with your suggested modifications. Attached are revisions to both the Alta Properties parcels, and the Lerner Investment leased parcel. I trust these will be acceptable for you to process and return approved; by your supervisors, and any other appropriately involved Agency. Upon receipt and return from you, we will proceed to have these recorded with the County.

I have not heard back from the owners of the lease property, or seen the letter you had requested from them. I

trust this correspondence will be forth coming.

I will be out of the office after today, returning on Monday, March 27th. Please feel free to contact me if I can be of any further assistance, or if you require any additional information. Sincerely,

Jack Krause

From: Dunkin, Dena

Sent: Tuesday, March 14, 2006 1:56 PM

To: Krause, Jack

Subject: Deed Restrictions

The third time is the charm.

0

#### Dena Dunkin

Westside/Alta Building Materials Office Administrator 510-532-2582 fax 510-532-2602

From:

Krause, Jack [jkrause@westsidebmc.com]

Sent:

Thursday, March 09, 2006 10:05 AM

To:

mharrison@whitcress.com

Cc:

Peckham, Dick; Wickham, Jerry, Env. Health

Subject: Alameda County Health Care Services

Good Morning Marcella,

I met with Jerry Wickham of Alameda County yesterday regarding the requested Deed Restrictions. He thought for the most part that my submittal looked acceptable, based on similar cases he has handled in the past. He may request some minor changes, but he will let me know in the not too distant future.

He will need to obtain approval from his supervisors, at which point they will sign off and return the Deed Restrictions to us. At that juncture, we can then have notarized, and then proceed to have them recorded with the County.

What he did request is that Amy, or an appropriate representative of the lease property ownership; submit a letter to him.

acknowledging that they are in agreement to record the Deed Restrictions, and that they are desirous of seeking closure on the Spill and Leak Investigation Case. He suggested that this letter reference the SLIC Case # RO0002746.

Additionally he indicated that we are well within the timeframe that they expect and he is satisfied with our timely cooperation. In so much as this will require review by others, it is not mandatory that the restrictions be recorded by April 10<sup>th</sup>.

Please let me know if all this is acceptable to the owners, and I will inform you of any and all developments. Talk to you soon,

Jack Krause

From: Krause, Jack [jkrause@westsidebmc.com]

**Sent:** Tuesday, March 07, 2006 2:46 PM

To: Wickham, Jerry, Env. Health

Subject: RE: Deed Restrictions: 745 50th Ave. Oakland

Thanks for getting back to me Jerry, and for resending the restrictions. The purpose of the meeting would just be to ensure that we are submitting it complete. What I am hoping is that we get it right the first time, so that it doesn't go back and forth, thus delaying the process. I should have it ready by tomorrow afternoon. If it is convenient, I could bring it by for you to look review. If it looks satisfactory, I would leave you copies for your management's approval.

I'll be in touch soon, and I appreciate your assistance.

Sincerely, Jack Krause

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]

Sent: Tuesday, March 07, 2006 10:56 AM

To: Krause, Jack

Subject: RE: Deed Restrictions: 745 50th Ave. Oakland

Jack,

Attached is a copy of a deed restriction. Once you have a draft of the deed restriction, I will need to have it reviewed by my management. With regard to meeting prior to submitting a draft deed restriction, I am happy to meet if you have a specific issue. I am in the office most days except Mondays. Once the deed restriction is approved on your end and my management approves of it, we will set up a time to have the deed restriction signed by the ACEH director and notarized prior to recording.

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:** Krause, Jack [mailto:jkrause@westsidebmc.com]

Sent: Monday, March 06, 2006 9:16 AM

To: Wickham, Jerry, Env. Health

Subject: Deed Restrictions: 745 50th Ave. Oakland

Hi Jerry.

I'm finalizing the preparation of the deed restrictions for our property as you have requested. Would it be possible for you to resend the attachment of the Deed Restrictions that you forwarded to me originally? I can then forward that, and work from the attachment to finalize our draft of the required restrictions. I left you a voice mail to see if I could meet with you to review the document prior to recording it at the county. If it's easier to reply to this email with an available opening in your schedule, feel free to do that. Thanks for your help,

From:

Krause, Jack [jkrause@westsidebmc.com]

Sent:

Friday, February 17, 2006 6:42 AM

To:

Wickham, Jerry, Env. Health

Subject:

RE: RO2746 AAA Equipment, 745 50th, Oakland

Follow Up Flag: Follow up

Flag Status:

Red

Hi Jerry,

Thanks for the help on the deed restrictions. I will get this going next week. I will meet with the property manager and hopefully move this forward for both properties simultaneously.

Enjoy your Holiday weekend!

Jack

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]

Sent: Thursday, February 16, 2006 3:53 PM

To: Krause, Jack

Subject: RE: RO2746 AAA Equipment, 745 50th, Oakland

Jack.

My letter was dated February 14 and went out on February 15. I am attaching the model Deed Restriction.

Regards, Jerry

**From:** Krause, Jack [mailto:jkrause@westsidebmc.com]

**Sent:** Friday, February 10, 2006 1:16 PM

To: Wickham, Jerry, Env. Health

Subject: RE: RO2746 AAA Equipment, 745 50th, Oakland

Hi Jerry,

Thanks for checking back on this. I did speak to the property manager and sent her a letter with copies of your correspondence to me. She was fine with the information I provided, and would inform the owner to let them know they would be receiving a letter from your office.

Once I have received my copy, I will follow up with you so we can move forward on the verbiage of the Deed Restriction.

Thanks and I'll talk to you soon,

Jack

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]

**Sent:** Friday, February 10, 2006 10:09 AM

To: Krause, Jack

Subject: RO2746 AAA Equipment, 745 50th, Oakland

Mr. Krause,

When we last spoke, you indicated that you would like me to send out correspondence for the site after you had spoken to the owners of the adjacent parcel. Is is okay to now send out a letter to yourself and the adjacent property owner?

# 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

February 14, 2006

Mr. Jack Krause Alta Properties, LLC P.O. Box 2399 Oakland, CA 94614

Ms. Amy Neu
Mrs. Allen Schneider
Neu Investment Corporation
C/o Eden Realty
47 Parsippany Road
Whippany, NJ 07981

Subject: SLIC Case New Former AAA Equipment, 745 50th Avenue, Oakland, CA

Dear Mr. Krause:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigations, and Cleanups (SLIC) case file for the above-referenced site, including the reports entitled, "Residual Soil Management Plan," dated April 27, 2004, and "Underground Storage Tank Removal Report," dated April 27, 2004. Both reports were prepared by Levine–Fricke. The "Underground Storage Tank Removal Report," dated April 27, 2004 concluded, "that no further soil removal be required under the current industrial use of the site, however, provided that intrusive activities (such as trenching or grading) were conducted in accordance with the Residual Soil Management Plan. The "Underground Storage Tank Removal Report," also concluded that, "further groundwater assessment or remediation in this area is not warranted at this time."

The above-referenced site consists of three adjacent parcels. Parcel 034-2293-002-07, which is located at 745 50th Avenue in Oakland and contains an office building, and parcel 034-2293-002-08, which contains two warehouses, are owned by Alta Properties LLC. These two parcels are referenced in the Levine-Fricke report as the "Alta Site." Parcel 034-2293-002-05 is an L-shaped parcel that borders the Alta Properties LLC parcels to the north and east. Parcel 034-2293-002-05 is owned by Learner Investment Company c/o Neu Investment and is referenced in the Levine-Fricke "Residual Soil Management Plan," as the "Flag Lot." For consistency, these previously referenced terms, "Alta Site and Flag Lot," are used in this correspondence in discussing the sites.

Beginning in the 1950s, the Alta site was reportedly used by AAA Equipment as a junkyard to store scrap metal, used machinery, and machine parts until Alta Properties LLC purchased the site in 2002. The Phase I Environmental Site Assessment (Hageman–Aguiar 2000) reported random spillage of various lubricating oils, waste motor oil, and motor fuels onto soil at the site. Minor handling of other chemicals, including solvents, paints, and chemicals associated with lead/acid batteries, and electrical transformers were reported. Subsequent investigations reported elevated concentrations of mercury at the site as well.

In the fall of 1987, diesel fuel contamination was observed by Larry Seto of ACEH near an above ground storage tank on the Alta Site. A cleanup reportedly took place in July and August 1989 in which residual waste oil, the above ground storage tank, and associated piping and fuel dispensers were removed. On November 30, 1994, ACEH observed oil spillage and lead/acid batteries on the ground of the Alta Site.

An 800-gallon underground storage tank (UST) located in the southern portion of the site was removed on September 4, 2002. Several pinholes and some corrosion were identified on the bottom of the UST. The tank verification sample collected beneath the former tank at a depth of 7.5 feet bgs contained 4,700 milligrams per kilogram (mg/kg) of total petroleum hydrocarbons (TPH) as diesel, 3,300 mg/kg of TPH as gasoline, and 87 mg/kg of lead. The former tank case was closed by the City of Oakland Fire Department in correspondence dated February 13, 2003.

During site development activities in October 2002, two USTs were encountered in the northwestern portion of the Alta Site and extending onto the Flag Lot. The USTs were removed in September 2003. Soil from the excavation was stockpiled and later disposed off-site at the Forward Landfill, a Class II non-hazardous waste landfill. Oily product was observed seeping from the UST excavation. To remove free product in the near surface soils, some additional excavation was conducted around the former USTs to a maximum depth of 5 feet bgs. Water-saturated soils were removed from the bottom of the excavations for geotechnical purposes. The excavations were filled with drain rock to the level of saturated soils, covered with filter fabric, and then backfilled with compacted soil derived from site grading activities.

During site development activities in 2002, the Flag Lot was graded along with the rest of the site in preparation of final paving with concrete or asphalt. The soil removed during grading (approximately 2,800 cubic yards) was stockpiled on an adjacent parcel and was termed the "Loaf Pile," (Levine-Fricke 2004). Laboratory analyses of the soil in the Loaf Pile detected elevated concentrations of fuel hydrocarbons, PCBs (Aroclor 1254 and 1260), polynuclear aromatic hydrocarbons (PNAs), and metals. The concentrations of these chemicals exceed Environmental Screening Levels for shallow soil developed by the San Francisco Regional Water Quality Control Board (Water Board 2005) for residential or commercial /industrial use. Soils from the "Loaf Pile" were placed back on the Alta and Flag Lot sites as subgrade material and were covered with concrete or asphalt. Elevated concentrations of fuel hydrocarbons have been detected in groundwater samples collected in several areas of the Alta site.

The residual chemicals in soil at the Alta Site and Flag Lot pose a potential human health risk due to direct exposure. The Alta Site is currently covered by buildings or concrete and the Flag Lot is currently covered by asphalt; therefore, there is currently no direct exposure pathway to chemicals in the surface soils. Due to the elevated concentrations of residual fuel hydrocarbons, PCBs, PNAs, and metals in soil at the Alta Site and Flag Lot, additional investigation and remediation is required in order for the sites to have unrestricted future use. The current commercial use of the sites is acceptable as long as the concrete and asphalt cover for the site is fully maintained to prevent direct exposure to soil or groundwater at the site. If additional investigation and cleanup is not conducted at the Alta and Flag Lot sites, deed restrictions are

required for each of the three parcels to minimize the potential for exposure to chemicals in soil and groundwater beneath the site.

We request that you submit a Corrective Action Plan or Proposal for Deed Restriction by April 20, 2006.

#### **TECHNICAL COMMENTS**

- 1. Residual Soil Management Plan Screening Criteria. The Residual Soil Management Plan cites Environmental Screening Levels (ESLs) developed by the San Francisco Bay Area Regional Water Quality Control Board for shallow soil and commercial/industrial use only. ESLs for residential land use are significantly lower than those cited in the Residual Soil Management Plan.
- 2. Soil for Landscaped Areas. The Residual Soil Management Plan indicates that on-site material (such as native soil) that has been specifically approved for reuse and meets the prevailing commercial standards may be used in landscaped areas that will be accessible for human use. Native soil is not to be used in landscaped areas unless the soil is fully characterized by laboratory analyses and the results approved by ACEH.

#### **TECHNICAL REPORT REQUEST**

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

April 20, 2006 – Corrective Action Plan or Proposal for Deed Restriction

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

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Donna Drogos, ACEH Jerry Wickham, ACEH

File



# alta building material company

FAX (510) 532-2602

(510) 532-2582

January 9, 2006

5

Alameda County JAN 1 2 2006

**Environmental Health** 

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

Subject: SLIC Case No. RO0002746, Former AAA Equipment, 745 50<sup>th</sup> Avenue, Oakland, CA

Dear Mr. Wickham,

Per the request of your letter dated December 21, 2005, I am forwarding you the following documents related to work at the above referenced site:

- Phase 1 Environmental Site Assessment (Hageman-Aguiar 2000)
- Soil and Groundwater Investigation Report (Harding ESE 2002)
- Underground Storage Tank Closure Report (Morgan Environmental Services (2002)
- Closure Letter from the City of Oakland Hazardous Materials Supervisor (2003)
- Well Closure Report & Permit Application (2003)

Additionally, I am submitting, as provided by our Geotechnical Firm, Levine Fricke:

- Health & Safety Plan for Soil & Groundwater Sampling, Underground Storage Tank Removal & Grading & Trenching Activities (2003)
- Residual Soil Management Plan (2004)

These documents were prepared, and all work performed, was done under the supervision and direction of the City of Oakland Hazardous Materials Office of Emergency Services. To date, I have not received an answer as to why a Closure Letter was not provided by this agency, although it is my understanding that the Inspector, who supervised this work, is no longer employed by the City of Oakland.

I declare, under the penalty of perjury, that the information and/or recommendations contained in the attached documents or reports are true and correct to the best of my knowledge. I am a partner of Alta Properties LLC, and the Vice President & General Manager of Westside/ Alta Building Materials, the current lessee of the property at 745 50<sup>th</sup> Avenue in Oakland, California.

As I mentioned in my voicemail, I would look forward to a meeting to review this information with you, and assist in any further questions or additional information you



# ALTA BUILDING MATERIAL COMPANY

FAX (510) 532-2602

(510) 532-2582

**\*** 

may require. If applicable, I might suggest that a representative from Levine & Fricke participate in this meeting should your questions or clarifications be outside of my expertise.

Sincerely,

Jack Krause

Vice President & General Manager



DAVID J. KEARS, Agency Director





**ENVIRONMENTAL HEALTH SERVICES** 

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

December 21, 2005

Mr. Jack Krause Alta Properties, LLC P.O. Box 2399 Oakland, CA 94614

Subject: SLIC Case to a subject: SLIC Case to a subject SLIC Case to

Dear Mr. Krause:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigations, and Cleanups (SLIC) case file for the above-referenced site, including the report entitled, "Underground Storage Tank Removal Report," dated April 27, 2004 and prepared on your behalf by Levine Fricke. The above-referenced report references several previous reports that are listed in the Request for Information below. We request that you submit these reports in order for us to complete our review of the SLIC case. We also request that you provide a response to the technical comments below by the date indicated in the Technical Report Request.

#### REQUEST FOR INFORMATION

ACEH's case files for the subject site contains only the report entitled, "Underground Storage Tank Removal Report," dated April 27, 2004. We request that you submit copies of the reports listed below along with other reports you have documenting additional investigation activities or other environmental work related to this site:

- Phase I Environmental Site Assessment (Hageman-Aguiar 2000)
- Soil and Groundwater Investigation Report (Harding ESE 2002)
- Underground Storage Tank Closure Report (Morgan Environmental Services 2002).

#### **TECHNICAL COMMENTS**

1. Soil Excavation and Disposal. The "Underground Storage Tank Removal Report," dated April 27, 2004 describes various excavations at the site, soil stockpiles, and soil disposal. However, the report is not clear as to the origins and dispositions of excavated and stockpiled soils from each area of the site. Presentation of a table with the approximate volumes of soil excavated from each area shown on Figure 3 would be useful. The table should also include a reference to the soil stockpiles shown on Figure 2, soil samples collected, and whether the soil was disposed off-site or used for backfill. If the soils were used for backfill, please clarify where the soils were placed. Based on the discussions in various locations within the report, the "Loaf Pile" appears to have been a stockpile of spoils from grading an adjacent area of the site. Please clarify whether the soils from the "Loaf Pile" were used for backfill and if so, where the soils were placed.

Mr. Jack Krause December 21, 2005 Page 2

2. Monitoring Well. A monitoring well is described in section 2.0 of the "Underground Storage Tank Removal Report." Please indicate whether this monitoring well has been decommissioned or describe the current condition of the well. Please also provide any analytical data, water level measurements, well construction diagrams, boring logs, or other information relevant to the monitoring well.

#### **TECHNICAL REPORT REQUEST**

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

 February 15, 2006 – Copies of Requested Reports and Response to Technical Comments

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.

Mr. Jack Krause December 21, 2005 Page 3

#### **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

Mr. Jack Krause December 21, 2005 Page 4

cc: Larry Lapuyade, Levine Fricke, 1900 Powell Street, 12<sup>th</sup> Floor, Emeryville, CA 94608-1827

Donna Drogos, ACEH Jerry Wickham, ACEH File

# ALAMEDA COUNTY HEALTH CARE SERVICES

S AGENCY gency Director



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

November 4, 2005

Mr. Jack Krause Alta Properties, LLC P.O. Box 2399 Oakland, CA 94614

Subject: SLIC Cas primer AAA Equipment, 745 50th Avenue, Oakland, CA

Dear Mr. Krause:

In order for ACEH to review reports for your site, we would require an oversight account for the above-referenced site. To set up your account, please send a check in the amount of \$6,000.00 payable to Alameda County Environmental Health. Please send your check to the attention of our Finance Department.

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

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

Please write "SLIC" (the type of project), the site address, and the AR# 0312481 on your check.

If you have any questions, please contact Jerry Wickham at (510) 567-6791.

Sincerely

Ariu Levi Division Chief

CC:

Larry Lapuyade Levine Fricke 1900 Powell Street, 12<sup>th</sup> Floor Emeryville, CA 94608-1827

Donna Drogos, ACEH Jacquelyn Jacobs, ACEH Jerry Wickham, ACEH



Office Of Emergency Services
1605 Martin Luther King Jr. Way, Oakland, CA 94612

Alemeda County

MAY 3 1 2004

### **Hazardous Materials Program**

Environments Heath

### Contaminated Site Case Transfer Form

Referral T	o:					
Date	5/20/04		•			
Agency		ntal Health, 1131 Harbor Bay Parkway, Ala	ameda,	CA 9450	2	
Attention	Donna L. Drogos, LOP/SLIC					
Site Inform	nation:					, ,
	nsible Party(s) ALTu P	rop. LLC				
Site Name 5	Commer AAA Equipm					
Site Address	3	745 50th Ave. Oak	<u>Cal</u>			
Site Phone						
	tor/Consultant (if available)	Levine Fricke		<del> </del>		
Site DBA						
Site Cond	itions:					
	ed? # removed:2	Date removed: 9/11/03	Yes	×	No	
		aste oil heating oil solvents	Yes	<u>/</u> \$	No	
kerosene	stoddard solvent other	(specify) hyd., VOCs, METals				<u>ا</u>
	s of system (holes, leaks)?		Yes	X	No	
	ontamination (free product), sm		Yes		No	
o Highest Contami	oncentrations of soil and/or gr Concentration Detected in Soi nant (specify)	Cavions Concentration > 100 ppm ter	Yes		No	
Unauthorize	d Release Form filed?		Yes		No	
Future intend	ded use if known? Specify	Industrial	Yes	XI.	No	
NON-UST						
Former indus	strial use?		Yes		No	
	oncentrations of soil and/or gr		Yes		No	
Contami o Highest	Concentration Detected in Soi nant (specify) Concentration Detected in Wa nant (specify)	Concentration ppm				
Future intend	ded use if known? Specify		Yes		No	
	If a	vailable, attach pertinent reports				
Transferred	as: LOP	SLIC	— <b></b>			
•	late requested: distribution	,	losure		all the	above
Transfer req	uested by Inspector: <u>Herni</u>	an Fomez Date:	5/20	<u> </u>	<u></u>	
T	(A OFII).	Total Date:	~ 4	W 1784	. /	

# OAKLAND FIRE DEPARTMENT, OES MAY 2012 2014 UNDERGROUND STORAGE TANK CLOSURE/REMOVAL FIELD INSPECTION REPORT

	Finding and American
Site Address: 745 50th Ave	Name of Facility:
Inspector: L. Gorner	Contact on site: L+F/Bluewater
Date and Time of Arrival: 9/10/3	Contractor/Consultant:

General Requirements	Yes	No	N/A
Approved closure plan on site.			
Changes to approved plan noted.	1		
Residuals properly stored/transported.			
Receipt for adequate dry ice noted.			

General Requirements	Yes	No	N/A
Site Safety Plan properly signed.			
40B:C fire extinguisher on site.			-/
"No Smoking" signs posted.			1
Gas detector challenged by inspector.			-

Tank Observations	T #1	T #2	T #3	T #4
Tank Capacity (gallons)	70K	分义		
Material last stored	UNK	unk		
Dry ice used (pounds)	NA	<b>〜</b> フ		·
Combustible gas concentration	as %LEL. (N	ote time &	sampling	point)
(1)	1/4			
(2)	14			
(3)				
Oxygen concentration as % vo	lume. (Note	time &sam	pling poi	1L)
(1)	~			
(2)	11/1-			
-(3)				
Tank Material	ST			
Wrapping/Coating, if any	N			
Obvious holes?	N	1		1

Tank Observations	T #1	T #2	T #3	T #4
Obvious corrosion?	Ty	7		
Obvious odors from tank?	1/	~		
Seams intact?	~/,	$\overline{\Omega}'_{}$		
Tank bed backfill material	N	9/		
Obvious discoloration?	3/	5		
Obvious odors ex tank bed?	Ý	$\sim$		
Water in excavation?	5	5/		
Sheen/product on water?	7	7		
Tank tagged by transporter?	N	10		
Tank wrapped for transport?	$-\lambda_2$	n		
Tank plugged w/ vent cap?	N	1/4		
Date/time tank hauled off?	4/1	1/03		
No. of soil samples taken?	2/	4		
Depth of soil samples (ft. bgs)	/2	1/2		

Piping Removal	Yes	No	N/A
All piping removed hauled off w/ tanks?			
Obvious holes on pipes?		-/-	
Obvious odors from pipes?	17		
Obvious soil discoloration in piping trench?			
Obvious odors from piping trench?			
Water in piping trench?			
Number & depth of soil samples from piping tre	nch?		1
Number & depth of water samples from piping t	rench?		1

General Observations	Yes	No	N/A
Leak from any tank suspected?			
"Leak Report" form given to the operator?			
Obviously contaminated soil excavated?			
Soil stockpile sampled?	1		
Stockpile lined AND covered?	-		
Water in excavation sampled?			<u> </u>
Number/depth of water samples taken?		1	
All samples properly preserved for transport?		-{	

SITE & SAMPLING DIAGRAM

Additional Observations	Yes	No	N/A
Soil/water sampling protocols acceptable?			
Sampling "chain of custody" noted?			
Tank pit filled in or covered?			
Tank pit fenced or barricaded?			:para
Transporter a registered HW hauler?			
Uniform HW Manifest completed?			1
Contractor/Consultant reminded of complete UST Removal Report due within 30 days?			
Date/Time removal/closure operations completed?	u/		03
OT hours or additional charges due from contractor	r?		1

CITY OF OAKLAND



HERNAN E. GOMEZ HAZARDOUS MATERIALS INSPECTOR OFFICE OF EMERGENCY SERVICES OAKLAND FIRE DEPARTMENT (510) 238-7253 FAX 238-7761-TDD 444-1616

e-mail: hegomez@oaklandnet.com

1605 MARTIN LUTHER KING, JR. WAY, OAKLAND, CA 94612

O

Notes/Comments:	Tanko	0.J. 1	n place-	- Section of the sect	C2+ "-	0 01201/3	may Maan	mult
That Trollers -		i de la compre	ne Thenen	THE CAT A				
	77	,	. 19	···	_			

# Environmental Restoration Services

Site Investigations \* Fuel Tank Closures and Installations \* Site Remediation \* Regulatory Reporting

#### INVOICE

SUBMITTED TO:

WORK PERFORMED AT:

Alta Building Materials

2857 Hannah St.

Same

Oakland, CA,94608

510 444 2493 :

September 27, 2003

### COMPLETED SCOPE OF WORK

Close one 2" well, 15 feet deep, as per Alameda County Public Works Department (ACPWD) standards for closure in place.

Prepare site plan and well closure permit application.

Project Manager;B. Halsted 3hrs@\$75per

\$225

Pressure grout

Project Manager;B. Halsted 6hrs@\$75per	\$450
Service Truck one day@\$100	\$100
Portland cement	\$100
Compressor	\$100

Prepare well destruction report, submit to County/client.

Project Manager; B. Halsted 1hrs@\$75per

\$ 75

**TOTAL DUE** 

\$1050

Respectfully submitted this 27th day of September, 2003

1/29/03

Environmental Restoration Services- Contractor#589652

Bennett T Halsted

Alameda County

JAN 1 2 2006

**Environmental Health** 



### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 FLMHUNST ST. MAYWARD CA. 94644-139:
PHONE (510) 670-6633 (ARMY YAO
FAX (510) 772-16-38

PART (\$10 712-1919

FAX (\$10 712-1919

APPLICANTS: PLASE ATTACK A SITE MAP POR / LL DEILLING PERMIT APPLICATIONS

DESTRUCTION OF WELLS OVER 45 FEET REQUIR IS A 12P ARATE PERMIT APPLICATION

#### DRILLING PERMIT APPLICATION FOR APPLICANT TO COMPLETE FOR OFFICE USE LOCATION OF PROJECT W/03-0850 PER VIT NUMBER weil number FEMOT CONDITIONS CLIENT Circled Pormit Requirements Apply Music A } A CHNEULY ddduta Phone \_510=489-2483 A permit application should be submitted at as to arrive at the ACPWA office five days prior to reproposed rearring date. Submit to ACPWA within 40 days rather completion of permitted original Department of West Resources. APPLICANT Name Bour annual Rober Address 500 Control A Fat 650-127-2474 Phone 6-70-525-3216 Well Completion Repert. 3. Pennis is void if project not begun within 90 days of Zio S. WAI ER SUPPLY WELLS L. Minimum surface seed thickness is two inches of TYPE OF PROJECT Commit grous placed by recalo. 2. Minimum seed depth is 50 fact for menicipal and industrial weeks or 20 fact for demands and infigution. Well Construction Contochuser investigation Cathodia Protection Q General Water Sumply Contamination: Mon Kuring C. GRIMINDWATER MONITORING WELLS PICLUDING PREZOMETERS Well Doronusion 11 Ř PROPOSED WATER SUPPLY WELL (BE 1. Minimum surface seal thickness is two inches of New Deginate ſ Replessment Domostie corners grout placed by teemie. Manlateral Irrigation. Industrial 2. Minimum seal dopth for menitoring welly by the u Other а CIPSURE METRODE tomoranes ectres basercupie ou 50 feet D. GE JTECHNICAL Mud Retury Packful bore hale by tressic with across grout or comun. Air Rotary ALIE ME įgrow/saed wiscome. Upper two-times foot replaced in kind or with composind cuttings. Other الالانهاء م رسور DRITLER'S NAME FOY TOOMING E CAIMODIC Fill help needs your with concrete placed by tracels. DRILLER'S LICHNING 589 652 Sen I a map of wock alto. A superate poertal is required for wells deoper than 45 Rev. G. SPECE, IL CONSTITIONS WELL PROJECTS Meximum 15 n. Drill Hole Discussor NOTE: C ne application mant be submined for mon well or well destruction. Multiple borings on one application are recopiable for grover mined and contantinution investigations. באותותולו פמוכנו Surface Scal Depth Owner's Wolf Number Cycy 7 Grot Kciinicai. Projects Number of Borings Μινείηνεια Hole Dumette Depth STARTING DATE COMPLETION DATE APPROV 3D I hereby agree to consply with all inquirements of trisponnic and Alapsedu County Ordinance No. 73-62. APPLICANITS SIGNATURE PLEASE FRONT NAME REV. D-18-02

CITY OF OAKLAND

1605 MARTIN LUTHER KING JR. WAY

. OAKLAND, CALIFORNIA 94612

Fire Department
Office of Emergency Services
Hazardous Materials Management Program

(510) 236-7759 FAX: (510) 238-7761 TTY/TDD: (510) 238-6864

FEBRUARY 13, 2003

Ms. Kathy Koveil 3393 Orchard Valley Lane Lafayette, CA 94549

RE: Removal of Fuel Underground Storage Tank at 745 50<sup>th</sup> Avenue, Oakland, CA.

Dear Ms. Kovell:

This office has reviewed the case file regarding the removal of the fuel underground tanks at the above reference site.

The former tank has been removed in full compliance with the requirements of Title 23, California Code of Regulations. Therefore, based on the information in the above reference file and with the provision that the information provided of this agency was accurate and representative of site conditions, no further investigation or cleanup action is required.

A copy of the site closure report will be forwarded for review by the San Francisco Regional Water Quality Control Board.

if you have any questions regarding this matter, please contact me at (510) 238-7759.

LEROY GRIFFIN

Hazardous Materials Supervisor

cc: Tom Morgan, Morgan Environmental Chuck Headles, RWQQB

**Alameda County** 

JAN 1 2 2006

**Environmental Health** 

MCRGAL ENVIRONMENTAL

05/14/5003 PE:18 2105679140

# City Of Oakland

### FIRE PREVENTION BUREAU

250 Frank Ogawa Plaza, Ste. 3341 Oakland California 94612-2032 510-238-3851



MAY 2 1 2004

Permit To Excavate And Instau, Repair, Or Remove Inflammable Liquid Tanks



Oakland, California

September 8, 2003

**Environmental Health** 

		Tank Permit Numl	jer: 2993 - (%2
Permission Is Hereby Granted To:  Tank A	and Excavate Commencing:	Feet Inside:	Line.
On The:			•
Site Address: 745 Man Avenue	Present Storage		
Owner: Adia Properties, LAC	Address: PO Box 8	667, Ockhort Ca Strick	Phone: 514-444-24
Applicant: SFR bevine Proke	Address: 1987 Pow	eBSt, Emeryville, CA: 94(68	Phone: 510-682-48
Dimensions Of Street (sidewalk) Surface To Be Distu	rrbed: X No. O	f Tanks - Capacity	Gallons, Eac
Remarks  This Permit Is Granted In Accordance With Existing City Ordinances. Granted In Accordance With Existing City Ordinances.		scontinuance Of Use Or When Notified By Th n Or Near Premises.	e City Authorities When Installing,
This Permit Is Granted In Accordance With Existing City Ordinances. C Removing	Owner Hereby Agrees To Remove Tanks On Di Or Repairing Tanks, No Open Flame To Be O F TANK AND EQUII	PMENT INSPECTIO	N.
This Permit Is Granted In Accordance With Existing City Ordinances. C Removing	Owner Hereby Agrees To Remove Tanks On Di Or Repairing Tanks, No Open Flame To Be O	PMENT INSPECTIO	
This Permit Is Granted In Accordance With Existing City Ordinances. CERTIFICATE OF	Owner Hereby Agrees To Remove Tanks On Di Or Repairing Tanks, No Open Flame To Be O F TANK AND EQUII Type Of Inspe	PMENT INSPECTION Ction:	N.
This Permit Is Granted In Accordance With Existing City Ordinances. CERTIFICATE OF	Owner Hereby Agrees To Remove Tanks On Di Or Repairing Tanks, No Open Flame To Be O F TANK AND EQUII Type Of Inspect	Inspected And Passed On:  lations/modifications:  Inspected By:	N UST 1/11/03 1//11/03
This Permit Is Granted In Accordance With Existing City Ordinances. CERTIFICATE OF	Owner Hereby Agrees To Remove Tanks On Di Or Repairing Tanks, No Open Flame To Be O F TANK AND EQUII Type Of Inspe	Inspected And Passed On:  lations/modifications:  Inspected By:	N UST 1/11/03 1/11/03 Comm
This Permit Is Granted In Accordance With Existing City Ordinances. Certificate Of Certificate Of Approved:  ### Approved:    This Permit Is Granted In Accordance With Existing City Ordinances. Certificate Of Removing Certificate Of Cert	Owner Hereby Agrees To Remove Tanks On Di Or Repairing Tanks, No Open Flame To Be O F TANK AND EQUII Type Of Inspect	Inspected And Passed On:  lations/modifications:  Inspected By:  Inspected By:	N UST 1/11/03 2//11/03 Date:
This Permit Is Granted In Accordance With Existing City Ordinances. Certificate Of Certificate Of Approved:	Owner Hereby Agrees To Remove Tanks On Di Or Repairing Tanks, No Open Flame To Be O F TANK AND EQUII Type Of Inspe- <u>UST/AST Instal</u> Pressure Test Primary Piping Test	Inspected And Passed On:  lations/modifications:  Inspected By:  Inspected By:	N UST 1/11/03 2//11/03 Date:

THIS PERMIT MUST BE LEFT ON THE WORK SITE AS AUTHORITY THEREFORE

Listing of HAZMAT - DEPREF SITE HISTORY since 1990 for StID # 1635 .... only Activity Codes in 40's & 70's as of 12/17/97

SITE NAME & ADDRESS:

AAA Equipment Company -- 745 50th Ave , Oakland CA 94601

DailBDat InspDat Insp Act InspT StID Proj# COMMENTS 

Archived Dailies:

InspDat Insp Act InspT StID DRPro Comment

DailBDat

11/20/90 LS 74 1. 1635 682A L 11/30/90 LS 75 1. 1635 682A phone conversation with

owneâ�)

∆√a!

09/17/93 LS 75 0.75 1635 682A

Current Dailies:

NO WORK FOR THIS SITE IS IN CURRENT DAILIES:

Complete

This looks like old SUC. R02746 is a new site transferred by Oak. to us this year.

J. Wickham.

RECEIPT# U552882 SITE# 682 PROJECT # 682A

# ALAMEDA COUNTY HEALTH CARE SERVICES HAZARDOUS MATERIALS DIVISION / DEPARTMENT OF ENVIRONMENTAL HEALTH

~u.'	770 7 77	₹ <b>4</b> 1	-1 (-K**)
SERVICE REQUESTED: M	laxy (elam-	12/20 12	15/97 800 m
NAME OF SITE: A A A Equipment Co. ADDRESS: 745 - 50th Ave.	I call of it in	odati 1	tsk larry the course of case.
Oakland, CA 94601	woulfile R	id	If this should be
CONTRACTOR: A A A Equipment Co. ADDRESS: 5900 Hollis St., Ste.	Ed Karell 261-2443		a stic case- 145-58 th. Apre
Emeryville	94608		
CONTACT PERSON: -0-		PHONE:	-0-
DATE OF DEPOSIT: 09/12/89	DEPOSIT IN	DOLLARS:	\$333.00
	DEPOSIT IN	HOURS:	5.55
	Time	Time	Time
Date Action Taken	In Out	Spent =====	Balance
10-19-89 Plan veni + meeting with consultal	1:00 2:00	1.0	299.00
1421-89 Weeting with consultant	2100 3100	1,0	221.00
The and properly owner		· .	
11-10-90 Write letter	1:00 2:00	10	161.00
11-70-90 Phone with own & brufing on deldy	3:30 3:30	0.5	131,80
67/84/9/	The second secon		1-1-
9-17-93 File renin		0.50	\$37.50
12/15/97 (loven Asle / Set () am water	dane?	0.5	<del></del>
12/17/97 Orsite Visit - No really		0.9	
SUC de l'ét			
	<b></b>		2 Hour
			Balance = MINIMUM
PROJECT COMPLETED BY :	{	• .	
DATE OF COMPLETION : 12/7/9	_ DATE SENT T		
TOTAL COST OF PROJECT:	REFUND AMOU	INT:	:

Printed: 06/24/97

\*\*\*\* Alameda County Department of Environmental Health \*\*\*\* BILLING's WORKLOG: Total Deposit/Refund History for All Accounts at Site

\*\* SITE INFORMATION \*\*

682 -- StID: 1635 Date Open:

A A A Equipment Co. 09/12/89 745 - 50th Ave.

Date Closed:

Oakland CA 94601

\*\* PAYOR INFORMATION \*\*

> Project # ---682A for Payor # 258 A A A Equipment Co.

5900 Hollis St., Ste. D

Emeryville CA 94608

\*\* DEPOSIT HISTORY \*\*

Proj# 	Deposit Date	Receipt# 	ount Received
682A	09/12/89	552882	\$ \$333.00
			\$ \$333.00

#### \*\* WORKLOG HISTORY \*\*

Proj# 	Work Date	Activity Description	Insp	Time (hrs)	Amount Charged
682A	10/17/89	MEETING 1 HR @\$56/HR			\$56.00
682a	11/21/89	meeting @\$56/hr		1.	\$56.00
682a	11/20/90	Letter		1.	\$60.00
682a	11/30/90	phone consultation		0.5	\$30.00
					\$202.00

Amount Refunded: \$131.00 Balance:

Listing of HAZMAT - FULL SITE HISTORY since 1987 for StID # 1635 as of 06/24/97 .... all Activity Codes

SITE NAME & ADDRESS:

AAA Equipment Company -- 745 50th Ave , Oakland CA 94601

InspDat	Insp	Act Ins	Tqz	StI	D Pro	j#	# C	DMME	NT	S			4 14000 14000 1400			Dail	LBDa	at
Archived I	 Dailie	 es:																
InspDat	Insp	Activi	Cat	eg	Inspī	? {	StI	)										
								-										
09/15/87			1		5.	. 1	163	5										
09/16/87		0	1		2.	1	163	5										
09/17/87	LS	0	1		2.		163	5										
03/01/88	LS	0	6		2.	_	163	5										
11/21/88	LS	0	1,6	5	2.		163	5										
07/05/89	LS	0	6		1.													
07/26/89		L	6		6.		163	5										
09/05/89		Q	6		4.		163	5										
10/17/89		Ō	6		2.		163	5										
10/19/89		0			2.	-	163	5										
11/20/90																		
11/30/90					5 68			none	С	onve	ersa	tion	. wi	th				
, ,								wnea										
								*.√										
11/26/91	BC	11 :	2.5	163	5		f	ollo	พน	n ir	nspe	ctio	n f	rom	PG	E s	ite	
02/04/93								ent										
,,					_			onta										
02/04/93	ВЛ	15	0.5	163	5			ompl			rom	PG&	Ez	/ia	Bar	nev		
02,01,20					_			n co										
								G&E									Εv	
							1	- u	<b>Ľ</b> /⊥	~ ~ ~ 1	- <b>-</b> 1				_ ~ ~		- 1	

Current Dailies:

NO WORK FOR THIS SITE IS IN CURRENT DAILIES:

09/17/93 LS 75 0.75 1635 682A 04/07/94 RW 120 2.5 1635

### \_\_\_\_\_\_

## Category: ( Program ) Activity:

LEGEND FOR 'OLD' DAILY ENTRIES

Art Leu and I inspected for Oakland Storm Water Program. Will need a general permit

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
O - Office	I - regular Inspection	1 - Generators
L - Legal	F - Follow up inspection	2 - UG Tanks
	S - Spill / release	3 - Business Plans
T - Training	Q - reQuest / complaint	4 - Haz.Waste Hauler
A - Advice / consult.	•	5 - Emerg. Resp.
E - Environ. study		6 – Contam. Site
		7 - Public Lands
Valid for Dailies in	1987 <b></b> > 1989	8 - Residential

Complete

```
Listing all LOP DAILY activities since 1991 for StID # 1635
as of 06/24/97
at as of 06/24/97 , CA
Act91_4
Act92_1
Act92_2
Act92_3
Act92_4
Act92_5
Act93_1
Act93_2
Act93_3
Act93_4
Act94_1
Act94_2
Act94_3
Act94_4
Act95_1
Act95_2
Act95_3
Act95_4
Act96_1
Act96_2
Act96_3
```

complete

Action - Current LOP Dailies:

Act96\_4

# ALAMEDA COUNTY ENVIRONMENTAL HEALTH - HAZARDOUS MATERIALS PROGRAM INFORMATION PER SITE ON ALL DEPOSITS FROM ALL PAYORS

as of 06/24/97

DATABASE: DE	~~~	ATION from	DepRef DB				
745 50t Oakland	CA 94601				ID: 1635 te Complet		682
	L PAYORS t# 682A	ON SITE == for Payor#	258 A	A A Eq	uipment Co	•	
			5	900 Hol	lis St., S le CA 9460	te. D	
	DDDOGTM T	NEODS MTON					DR:WkShtPay
Project#	Rcpt#	NFORMATION DepDate	DepAmount	Proj Type	<b>-</b>	Insp Init	Collect Fees?
682 <b>A</b>	< 552882 Total De	09/12/89 posit for F		) M \$333.00		LS	
	Total De	ps for all	Sites :	\$333.00		kShtDep Cor	mplete; 3/97

LAST WORK DATE FROM BILLING ON THIS SITE:

1635 ---682?

0

# ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION DEPOSIT / REFUND ACCOUNT SHEET

printed06/24/97

745 5 Oaklan Site C	SITE INFORMATION Equipment Co. Oth Ave ad 94601 Contact: Phone :	[-	PROJECT INSP:	T#:	eto				
PROP	PERTY OWNER INFORMATION		PAY	OR INF	ORMATION				
	Contact: Phone :	A A A Equipment Co. 5900 Hollis St., Ste. D Emeryville CA 94608 # 258 Payor Contact: Payor Phone :							
Date	Action Taken	Insp Init	Hours Spent/ Depstd	Hour Balnce	Money Spent/ Depositd	Balance			
	Rcpt# 552882 Balance from Prev.Page	• • • •	• • • •						
	UPON COMPLETI			S	tate Form	s A,B & C justment*			
	COMPLETION :			BILLING	•				
	OST OF PROJECT:								
* Billing adj	justment forms needed when site is in our UST progr	an.		REP	ORT: WrkShtC (	Continued balance			

JOHN B. HOOK
RONALD E. MAILEN\*
HOWARD M. GARFIELD
JOSEPH P. McMONIGLE
DONALD W. CARLSON
DAVID W. EVANS
MARSHA L. MORROW
BARRY D. BROWN
MICHAEL L. BOLI
JOHN E. PEER
LWWRENCE A. CALLAGHAN
RUSSELL S. ROECA
GUY D. CALLADINE
ROBERT M. PETERSON
WENDY M. LAZERSON
EDWARD F. DONOHUE, III
DEBRA L. MELLINKOFF
MARK SIMON KANNETT
MICHAEL F. HARDIMAN

"A PROFESSIONAL CORPORATION

IRENE K. GREENBERG
DON A. LESSER
GLEN R. OLSON
ROBERT C. CHILES
ESTHER Z. HIRSH
KEVIN P. KAMRACZEWSKI
CHRISTOPHER T. BORGESON
LINDA LANDRY MILLER
RANDALL A. MILLER
ELIZABETH A. COLPOYS
DAVID IAN DALBY
JOYCE C. WANG

EDWARD D. HAAS OF COUNSEL DEBRA A BAKER SPECIAL COUNSEL LINDA S. VOTAW SENIOR COUNSEL

BERT W. LEVIT (1903-1980) PERCY V. LONG (1870-1953)

### LONG & LEVIT

A PARTNERSHIP INCLUDING A PROFESSIONAL CORPORATION

633 WEST FIFTH STREET, SUITE 5900 LOS ANGELES, CALIFORNIA 90071 TELEPHONE: (213) 356-5900 FACSIMILE: (213) 613-0664

101 CALIFORNIA STREET, SUITE 2300 SAN FRANCISCO, CALIFORNIA 94111 TELEPHONE: (415) 397-2222 FACSIMILE: (415) 397-6392

June 9, 1994

s1160.228

IRA D. GOLDBERG JEFFREY D LIVINGSTON TULIET A. LEPTWICH MICHAEL A. VASQUEZ BARRY K. TAGAWA MARK L. NISSENBAUM ANNE E. KUNZIG GLENN W. ANGERS JOHN M. FARRELL BARBARA W. ENGLER CLAIRE L. CORTNER JEANETTE TRAVERSO NAOMEK YAMADA BRIAN W. WALSH ANNE E. KUNZIG REILLY ATKINSON JUDITH A TURY MERLE J. PANICK MICHAEL J. ESTRADA MARTIN T. LEE VINCENT T MARCI, JR. NANCY LAKE MARTIN

ROBERT J. ROMERO FUZABETH M LINK ROBERT A. O'BRIEN GERALD K. CARROLL CORY M. MARTIN DEBBIE L. LEE SCOTT W. BATES PAUL S. COHEN GLORIA S HA SCOTT J. HYMAN DAVID P. OSAKO WAYNE K. SNODGRASS ANN L. STRAYER DOW W. PATTEN STERRETT J BRANDT KATHLEEN M EWINS ALESIA JONES-MARTIN LAUREN O'BRIEN WILLIAM E. WADDELL DARIO J. FROMMER DOUGLAS J. MELTON STEVEN D. STRAUSS

STEPHEN J. KAUFMAN

CALIFORNIA REGIONAL WATER

JUN 13 1994 KG

QUALITY CUMINCE OCARE

01-0894

California Regional Water Quality Control Board San Francisco Bay Region 2101 Webster St., Suite 500 Oakland, CA 94612

Re:

PRP:

The Learner Company

Site:

3675 Alameda Ave., Oakland CA

Claim:

13-342221

Your File:

2199,9217 (TR6)

Dear Sir or Madame:

On April 7, 1993, Kay Perry of Transportation Insurance Company wrote to you requesting information concerning the above-referenced site (copy enclosed). It is our understanding that no response from your agency was ever received. Please be informed that Long & Levit has been retained as counsel for Transportation Insurance Company with respect to the above-referenced matter. Please respond to the above-referenced request to the undersigned as soon as possible. Under the provisions of California Government Code § 6250 et seq., we are requesting copies of your files relating to the above-captioned site. We request copies of all documents, correspondence, memoranda and reports in your files and we will reimburse you for reasonable costs involved in locating, copying and sending this information to us.

California Regional Water Quality Control Board June 9, 1994 Page 2.

We would appreciate response at your earliest convenience. If any part of this request is denied, kindly provide the specific exemptions upon which your denial is based. If you have any questions, do not hesitate to call.

Very truly yours,

JoLynn M. Klein

JMK/ehe Enclosure

cc: Martin Lee, Esq.

S1160.228\LT001349.LAO

Amir :

We are still waiting for an envestigative slan from this site. I sout them a cityful letter Sated 11-26-90 requestione, but I have not head from them.

Cary

Triple of
Arto weeker
reeds to be written
a letter

It was agreed up by Ed Koyell, projectly owner out his consulfant that they will submit 11-21-89 on ou-site envestigation from to determine the extrit of contohuristion Fel Kovell said the consultant dulled a number 11-70-40 of boung and installed a monitory well. I Virilled her to call his consultant and ook him to soud me a careg of his laborested find plan. El best enforced me the cheen containing contamental out Bill Faulhaber and Ravi went to site for an energy response. There evere leaking dum of sill on his growty and dwys in front of his groperty that were his that were falso Cleaking. How Whitman of Oakland B.V. said they the Lucius outsele his property was his leven though he did not agree. Kovell was thering of the site himself when bill and Pavir lift Well submit investigation plan for our site (inc. soiles boing) Investigation.

Chamutal Analysis of Sot Samples Concentrations in micrograms per thoughant copies

Sample LOCATION	COLSONED	DEPTH (FEET)	361)261)8	EMIL EMIL	Totuene	xylenes	TPH	TOG (PPW)	JCF -MEDIANE
MW1 - A	10-23 99	215-310	h	6	b		240	170	
MWI- C	10-23-89	8,5.90	K250	4000	≺250	2500	87	440	<250
381- A	10-23-89	5.0-5,5	b	6	مد ـ ـ	k	30	170	
#1-B	10-23-99	6.5-7.0	425 O	<250	2500	×250	<5	*5	550
582- A	10-23-89	5,5-60	>			h	<5	15	ط
562-8	10-23-89	6.0-6.5	<250	<250	< 250	<250	22	90	<250
s83- A	10-23-39	3.5-4.0	b	b	1		5900	9300	
583 - C	10-23-89	4.5-7.0	1400	7300	450	5400	590	240	<250

<sup>&</sup>amp; Total petroleum Hydrocarbons - CONCENTRATIONS IN

<sup>6</sup> Constituent not analyzed. C Total Oil and Guare - concenternous

d trichlorofluoromethans

					of Groundwo			
Sample LOCATION	SAMPLED >	SHASSIAFS	TELLULE	Ethyl- Benzene	xylemos.	4/8. 1 TPH (ppm)	TOG (me)	TPH as diesel
HW-I	10/24/89	10.	<5	×5	<5	<1	<1	200