

R0498

Wickham, Jerry, Env. Health

To: Mike Purchase**Subject:** RE: RO0000498; Tesoro-San Lorenzo Oxygen Work Plan Status

Mike,

Based upon the discussions during our March 12, 2008 meeting, the schedule for submittal of a pilot test work plan is extended to April 30, 2008.

Regards,

Jerry Wickham

Alameda County Environmental Health

1131 Harbor Bay Parkway

Alameda, CA 94502-6577

510-567-6791 phone

510-337-9335 fax

jerry.wickham@acgov.org

From: Mike Purchase [mailto:mpurchase@orionenv.com]**Sent:** Tuesday, March 18, 2008 12:32 PM**To:** Wickham, Jerry, Env. Health**Subject:** RE: RO0000498; Tesoro-San Lorenzo Oxygen Work Plan Status

Jerry,

Based on the discussion during our meeting on 12 March 2008, we would like to request an extension of the oxygen injection pilot test work plan for the subject site until 30 April 2008.

Thank you,

Mike

Mike Purchase

Arctos Environmental

1332 Peralta Avenue

Berkeley, CA 94702

510/525-2180

510/525-2392 fax

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]**Sent:** Thursday, February 07, 2008 3:37 PM**To:** Mike Purchase**Cc:** Baker, Jeff; Conley, Denis; mnickelsen@haleyaldrich.com; Tornatore, Paul; Boyle, Sue; Matthew Nelson**Subject:** RE: RO0000498; San Lorenzo Oxygen Work Plan Status

Mike,

Based upon your request, the schedule for submittal of a work plan for oxygen injection for case RO0498 is extended to March 17, 2008.

Regards,

Jerry Wickham

Alameda County Environmental Health

1131 Harbor Bay Parkway

3/18/2008

Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 fax
jerry.wickham@acgov.org

From: Mike Purchase [mailto:mpurchase@orionenv.com]
Sent: Thursday, February 07, 2008 3:22 PM
To: Wickham, Jerry, Env. Health
Cc: Baker, Jeff; Conley, Denis; Michael Nickelsen (mnickelsen@haleyaldrich.com); Tornatore, Paul; Boyle, Sue; Matthew Nelson
Subject: RO0000498; San Lorenzo Oxygen Work Plan Status

Jerry,

This email is a follow up to our call today regarding the pending work plan for oxygen injection for the site located at 44 Lewelling Boulevard in San Lorenzo. Due to the change in consultants we are requesting an extension of the due date from 3 March to 17 March 2008.

As a confirmation, we have also scheduled a meeting at your office on 12 March at 10:00 am to discuss the Tesoro projects in San Lorenzo (RO0000498), San Leandro (RO0000216), and Livermore (RO0000434).

Please contact me with any questions or concerns regarding any of these projects.

Thank you,
Mike

Michael Purchase, P.E.
Arctos Environmental
1332 Peralta Avenue
Berkeley, CA 94702
510/525-2180
510/525-2392 fax

3/18/2008

Wickham, Jerry, Env. Health

To: Mike Purchase
Cc: Baker, Jeff; Conley, Denis; Michael Nickelsen (mnickelsen@haleyaldrich.com); Tornatore, Paul; Boyle, Sue; Matthew Nelson
Subject: RE: RO0000498; San Lorenzo Oxygen Work Plan Status

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

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Jerry,
This email is a follow up to our call today regarding the pending work plan for oxygen injection for the site located at 44 Lewelling Boulevard in San Lorenzo. Due to the change in consultants we are requesting an extension of the due date from 3 March to 17 March 2008.

As a confirmation, we have also scheduled a meeting at your office on 12 March at 10:00 am to discuss the Tesoro projects in San Lorenzo (RO0000498), San Leandro (RO0000216), and Livermore (RO0000434).

Please contact me with any questions or concerns regarding any of these projects.
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Michael Purchase, P.E.
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ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

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December 31, 2007

Mr. Jeffrey Baker
Tesoro Petroleum Companies, Inc.
3450 S. 344th Way, Ste. 100
Auburn, WA 98001-5931

Mr. Sam Hirbod
Hirbod Enterprises
111 Deerwood Road, Suite 110
San Ramon, CA 94583

Subject: Fuel Leak Case No. RO0000498 and Geotracker Global ID T0600101414, Beacon #721,
44 Lewelling Blvd., San Lorenzo, CA 94580

Dear Mr. Baker:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the recently submitted documents entitled, "Conceptual Remedial Action Work Plan," dated December 4, 2007 and "Third Quarter 2007 Groundwater Monitoring/Remediation Status Report," dated November 13, 2007. The "Conceptual Remedial Action Work Plan," dated December 4, 2007 presents a conceptual work plan to install an oxygen injection system along the southwestern corner of the property. The Work Plan proposes that a Waterloo Emitter™ be installed in one well at the southwestern corner of the property to determine appropriate locations for additional injection points. Although we have no objection to the proposal to use an oxygen injection system to accelerate biodegradation, we request that you submit a more detailed work plan to address the technical comments below.

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

TECHNICAL COMMENTS

1. **System Installation.** The Work Plan indicates that a Waterloo Emitter® will be placed into proposed well OS-1, which will be installed to a depth of 30 feet bgs. Please describe the rationale for the proposed well depth, depth at which the Waterloo Emitter(s)® will be placed, and the vertical interval of the aquifer which is expected to be treated. Please present this information in the Work Plan requested below.
2. **Monitoring during Oxygen Injection Testing.** The Work Plan indicates that dissolved oxygen will be monitored on a regular basis but provides no other information. Please provide further details on the types and frequency of measurements, duration of testing, and monitoring points to be used. Given that the proposed system is a passive system to be installed at the corner of the facility, it is not clear how the effectiveness of the system will be

evaluated without a downgradient monitoring point. In the Detailed Oxygen Injection Work Plan requested below, please provide more detailed information on the proposed monitoring and how the monitoring will be used to make decisions on the feasibility and design of a full-scale system.

3. **Groundwater Extraction and Oxygen Injection Testing.** Proposed oxygen injection well OS-1 is located immediately south of groundwater extraction well RW-2. In the Work Plan requested below, please describe whether the groundwater extraction will be operational during the oxygen injection testing and if so, how long the groundwater extraction system or well RW-2 will be shut down prior to testing, and whether long-term operation of the oxygen injection system is intended to be coincident with groundwater extraction.
4. **Additional Remedial Alternatives.** We concur with the recommendation to evaluate the addition of ozone or oxygen injection to increase contaminant degradation rates at the site. Please include a proposal to supplement or replace the existing groundwater extraction system in the Remedial Action Work Plan requested below.

TECHNICAL REPORT REQUEST

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

- **February 11, 2008** – Fourth Quarter 2007 Groundwater Monitoring and Remediation Status Report
- **March 3, 2008** – Detailed Oxygen Injection Work Plan
- **May 12, 2008** – First Quarter 2008 Groundwater Monitoring and Remediation Status Report
- **August 11, 2008** – First Quarter 2008 Groundwater Monitoring and Remediation Status Report

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

ELECTRONIC SUBMITTAL OF REPORTS

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

Mr. Jeffrey Baker
Mr. Sam Hirbod
RO0000498
December 31, 2007
Page 3

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 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.

Mr. Jeffrey Baker
Mr. Sam Hirbod
RO0000498
December 31, 2007
Page 4

AGENCY OVERSIGHT

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

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

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Michael Nickelsen
Haley & Aldrich
200 Town Centre Drive, Suite 2
Rochester, NY 14623

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Wickham, Jerry, Env. Health

To: Richard Munsch

Subject: Schedule extension for RO0498 44 Lewelling, San Lorenzo

Richard,

Based upon your request, the schedule for submittal of the Third Quarter 2007 Groundwater Monitoring and Remediation Report for case RO0498 is extended to November 21, 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

ALAMEDA COUNTY
HEALTH CARE SERVICES

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September 27, 2007

Mr. Jeffrey Baker
Tesoro Petroleum Companies, Inc.
3450 S. 344th Way, Ste. 100
Auburn, WA 98001-5931

Mr. Sam Hirbod
Hirbod Enterprises
111 Deerwood Road, Suite 110
San Ramon, CA 94583

Subject: Fuel Leak Case No. RO0000498 and Geotracker Global ID T0600101414, Beacon #721,
44 Lewelling Blvd., San Lorenzo, CA 94580

Dear Mr. Baker:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the recently submitted documents entitled, "Monitoring Well MW-12 and Soil Borings DP-1 through DP-3 Installation Report," dated August 27, 2007 and "Second Quarter 2007 Groundwater Monitoring/ Remediation Status Report," dated August 15, 2007. The "Monitoring Well MW-12 and Soil Borings DP-1 through DP-3 Installation Report," dated August 27, 2007 presents the results of soil and groundwater sampling from three soil borings and one monitoring well. The "Second Quarter 2007 Groundwater Monitoring/ Remediation Status Report," dated August 15, 2007 presents results from groundwater sampling conducted on April 30, 2007 and operation of the groundwater extraction system. The report also presents recommendations for improvements to the groundwater recovery system.

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

TECHNICAL COMMENTS

1. **Groundwater Monitoring.** We concur with the recommendation to add monitoring well MW-12 to the quarterly groundwater monitoring program. Please present monitoring results in the reports requested below.
2. **Measurement of Water Levels in Well RW-1.** No water level measurements are presented for well RW-1 during the April 30, 2007 water level gauging. On Table 1 of the Second Quarter 2007 Groundwater Monitoring/ Remediation Status Report, the depth to water in RW-1 is listed as "Dry," although a groundwater sample was collected from the well. Well RW-1 is the deepest well at the site and is currently not being pumped. Therefore, it seems unlikely that well RW-1 would be dry. Please include water levels for RW-1 in future

groundwater monitoring reports, as the data are useful for assessing the effects of pumping wells MW-3R and RW-2.

3. **Extent of Capture Zone.** The Second Quarter 2007 Groundwater Monitoring/Remediation Status Report indicates that groundwater levels were measured with the recovery system operating to determine the extent of the capture zone from pumping of wells MW-3R and RW-2. The report also indicates that pumping affected water levels observed in MW-1 and MW-10, indicating that the re-configured pumping wells are having an effect on downgradient groundwater migration. In the Third Quarter 2007 Groundwater Monitoring/Remediation Status Report requested below, please explain what observations or data provided the basis for concluding that water levels in wells MW-1 and MW-10 were affected. It should also be noted that drawdown and capture are not the same. Drawdown is the change in water levels that is calculated by subtracting the water level under pumping from the water level without pumping. Capture zone refers to the region that contributes groundwater to an extraction well. Drawdown occurs over a larger distance in the downgradient direction than capture.
4. **Increase in Concentration of TPHg in Groundwater from Downgradient Well MW-11.** TPHg was detected in groundwater collected from well MW-11 at a concentration of 930 µg/L on February 2, 2007 and 740 µg/L on April 30, 2007. These TPHg concentrations were the highest concentrations measured from well MW-11 since 1998. This increase in TPHg concentrations at the downgradient edge of the plume is not consistent with a stable or decreasing plume.
5. **Addition of Well RW-1 to Groundwater Extraction System.** Although we have no objection to an evaluation of adding well RW-1 to the groundwater extraction system to improve system performance, we do not concur with the addition of well RW-1 as the only additional remedial effort. Please see technical comment 6 below regarding additional remedial alternatives.
6. **Additional Remedial Alternatives.** We concur with the recommendation to evaluate the addition of ozone or oxygen injection to increase contaminant degradation rates at the site. Please include a proposal to supplement or replace the existing groundwater extraction system in the Remedial Action Work Plan requested below.

TECHNICAL REPORT REQUEST

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

- **November 9, 2007** – Third Quarter 2007 Groundwater Monitoring and Remediation Status Report
- **December 6, 2007** – Remedial Action Work Plan
- **February 10, 2008** – Fourth Quarter 2007 Groundwater Monitoring and Remediation Status Report

Mr. Jeffrey Baker
Mr. Sam Hirbod
RO0000498
September 27, 2007
Page 3

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

ELECTRONIC SUBMITTAL OF REPORTS

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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 that all technical reports submitted for this fuel leak case meet this requirement.

Mr. Jeffrey Baker
Mr. Sam Hirbod
RO0000498
September 27, 2007
Page 4

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: Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Michael Nickelsen
Haley & Aldrich
200 Town Centre Drive, Suite 2
Rochester, NY 14623

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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January 24, 2007

Mr. Jeffrey Baker
Tesoro Petroleum Companies, Inc.
3450 S. 344th Way, Ste. 100
Auburn, WA 98001-5931

Mr. Sam Hirbod
Hirbod Enterprises
111 Deerwood Road, Suite 110
San Ramon, CA 94583

Subject: Fuel Leak Case No. RO0000498, Beacon #721, 44 Lewelling Blvd., San Lorenzo, CA

Dear Mr. Baker:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the documents entitled, "Monitoring Well Installation Work Plan," dated November 19, 2006 and received by ACEH on December 5, 2006 and "Third Quarter 2006 Groundwater Monitoring/ Remediation Status Report," dated November 30, 2006 and received by ACEH on December 7, 2006. ACEH also reviewed the Site Conceptual Model, which is available at the Tesoro Petroleum Sharepoint web site. The "Monitoring Well Installation Work Plan," proposes the installation of one monitoring well southwest of the site. We concur with the installation of one monitoring well southwest of the site between existing monitoring wells MW-9 and MW-10; however, we request that three borings be advanced prior to selecting the location for the monitoring well. Criteria for selecting the monitoring well location are discussed in technical comment 1 below.

The proposed scope of work may be implemented without submittal of a revised Work Plan provided that the technical comments below and modifications to the site investigation are addressed and incorporated during the field investigation. Submittal of a revised work plan is not required. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

1. **Monitoring Well Location.** We request that you advance three soil borings southwest of the site between existing monitoring wells MW-9 and MW-10. The purpose of advancing the borings is to identify any coarse-grained layers that may act as preferential pathways for off-site contaminant migration. Each soil boring is to be logged continuously and the soils are to be screened in the field. Soil samples are to be collected for laboratory analyses for all depth intervals where staining, odor, or elevated PID readings are observed. If staining, odor, or elevated PID readings are observed over an interval of several feet, a sufficient number of soil samples from this interval should be submitted for laboratory analyses to characterize the

fuel hydrocarbon concentrations within this interval. In addition, one soil sample collected approximately two feet below the interval of observed staining, odor, or elevated PID readings should be submitted for laboratory analysis. If no staining, odor, or elevated PID readings are observed, please submit one soil sample collected from the capillary fringe from each boring for laboratory analysis. Based on an evaluation of the soil types observed in each boring and any evidence of contamination observed during screening, the monitoring well is to be installed at the location that has the highest potential to intercept a preferential pathway. We request that the monitoring well be screened within a coarse-grained layer that may represent a preferential pathway and that the well screen interval not exceed 10 feet in length. Please present the results of the soil borings and well installation in the Well Installation Report requested below.

2. **Boring Depth.** The Work Plan proposes to, "advance the soil boring for well construction to depths 25 to 30 feet below surface grade." As discussed during a September 19, 2006 meeting between RDM, Haley & Aldrich, and ACEH, a gravelly sand layer observed approximately 35 feet bgs in the boring for RW-1 is a zone that potentially could act as a preferential pathway if the zone extends off-site. In order to identify potential coarse-grained layers in this depth interval, we request that the three soil borings be initially advanced a minimum of 40 feet bgs or deeper if evidence of contamination is observed in the lower interval of the soil boring. The screened interval for the monitoring well is to be selected in the field based on the criteria discussed in technical comment 1 above.
3. **Sampling Domestic Wells.** Please initiate sampling of the downgradient domestic wells located at 15800 and 15808 Via Cordoba and 246 Peach Drive. These domestic wells are to be sampled on a semi-annual basis and the results presented in the groundwater monitoring reports requested below.
4. **Groundwater Monitoring.** Please continue quarterly groundwater monitoring and present the results in the reports requested below.

TECHNICAL REPORT REQUEST

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

- **May 31, 2007** – Well Installation Report
- **45 days following the end of each quarter** – Quarterly Monitoring and Remediation Status Report for the Third Quarter 2006

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

ELECTRONIC SUBMITTAL OF REPORTS

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PERJURY STATEMENT

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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.

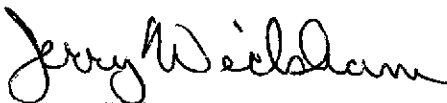
Mr. Jeffrey Baker
January 24, 2007
Page 4

AGENCY OVERSIGHT

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

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Denis Conley
Haley & Aldrich
200 Town Centre Drive, Suite 2
Rochester, NY 14623

Sunil Ramdass
SWRCB Cleanup Fund
1001 I Street, 17th floor
Sacramento, CA 95814-2828

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

R0498

Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Tuesday, September 19, 2006 4:46 PM
To: Conley, Denis; Tornatore, Paul; Richard Munsch
Cc: Jeff Baker
Subject: Schedule Extension for case RO0498, 44 Lewelling, San Lorenzo

As discussed during our meeting on September 19, 2006, we concur with the plan to review results from groundwater extraction using well RW-2 prior to submitting the Work Plan requested in Alameda County Environmental Health correspondence dated August 10, 2006. Therefore, the schedule for the Work Plan is extended until December 1, 2006.

Regards,

Jerry Wickham

Hazardous Materials Specialist
Alameda County Environmental Health
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9/19/2006

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

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

August 10, 2006

Mr. Jeffrey Baker
Tesoro Petroleum Companies, Inc.
3450 S. 344th Way, Ste. 100
Auburn, WA 98001-5931

Mr. Sam Hirbod
Hirbod Enterprises
111 Deerwood Road, Suite 110
San Ramon, CA 94583

Subject: Fuel Leak Case No. ~~980000430~~, Beacon #721, 44 Lewelling Blvd., San Lorenzo, CA

Dear Mr. Baker:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the documents entitled, "Plume Delineation Work Plan and Limited Well Survey," dated July 9, 2006 and received by ACEH on July 18, 2006 and "First Quarter 2006 Groundwater Monitoring/ Remediation Status Report," dated May 31, 2006. ACEH also reviewed the Site Conceptual Model, which is available at the Tesoro Petroleum Sharepoint web site. The "Plume Delineation Work Plan and Limited Well Survey," dated July 9, 2006 proposes to sample existing wells rather than conduct plume delineation. We disagree with this approach and request that you submit a revised Work Plan for Plume Delineation by **September 26, 2006**.

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 Delineation.** The report recommends reinstating sampling of wells MW-7, MW-8, and MW-9 to help delineate the lateral extent of the plume. Since groundwater monitoring data have been collected since 1998 for these wells and the data indicate that the wells are generally outside the plume, reinstating groundwater monitoring of these wells will not provide useful information for plume delineation. The two existing wells within the plume, MW-10 and MW-11, provide two monitoring points but it is not clear whether wells MW-10 and MW11 are directly downgradient from the source, whether the wells are within the central portion of the plume, whether there are preferential pathways such as channels to facilitate contaminant transport, and whether contaminant transport is occurring within water-bearing zones below wells MW-10 and MW-11. Therefore, plume delineation is required in order to assess the lateral and vertical extent of contamination, to assess the performance of the groundwater remediation systems, and to evaluate natural attenuation of the plume. We recommend that you use continuous logging of soil borings or cone penetrometer borings to define the soil stratigraphy and collect soil samples for laboratory analyses where necessary.

The borings should be located along transects that are approximately perpendicular or parallel to groundwater flow to define both the lateral and vertical extent of the plume. Depth-discrete groundwater sampling is recommended prior to installation of monitoring wells. The selection of intervals for depth-discrete groundwater sampling is to be based on the encountered soil stratigraphy. Please include your plans for plume delineation in the revised Work Plan requested below.

2. **Discussion of Aquitard and Direct Push Technology.** The first paragraph of the section entitled "Proposed Delineation," includes three sentences discussing an aquitard and limitations of direct push technology. It is not clear how this discussion relates to plume delineation. The possible presence of an aquitard and the limitations of direct push technology will affect but do not prevent plume delineation. The Site Conceptual Model (SCM) does not mention a homogeneous aquitard beneath the site. Please provide further information, including references, on the nature and depth of the aquitard in the revised Work Plan requested below. Also please indicate whether any borings for the site have intercepted an aquitard. Based on cross sections included in the SCM, the deepest boring at the site is RW-1, which extended to a depth of 39 feet below grade. The gravel pack for well RW-1 extends from approximately 14 to 39 feet below grade.
3. **Sampling Domestic Wells.** We concur with the proposal to sample the downgradient domestic wells located at 15800 and 15808 Via Cordoba and 246 Peach Drive. Please sample these wells on a semi-annual basis and include the results in the groundwater monitoring reports requested below. Sampling of these wells may help to assess downgradient extent of the plume but will not achieve plume delineation as discussed in technical comment 1 above.
4. **Monitored Natural Attenuation Parameters.** We have no objection to the proposal to measure monitored natural attenuation (MNA) parameters during quarterly groundwater monitoring. Measurement of the field MNA parameters is to be conducted during all quarterly monitoring events. However, monitored natural attenuation cannot be fully evaluated until plume delineation is complete. Therefore, we recommend that you delay measurement of MNA laboratory parameters until plume delineation is complete.
5. **Well Survey.** Please present the results of the well survey in the Quarterly Monitoring and Remediation Status Report for the Second Quarter 2006 requested below.
6. **Groundwater Monitoring.** Please continue quarterly groundwater monitoring and present the results in the reports requested below.

TECHNICAL REPORT REQUEST

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

- **August 30, 2006** – Quarterly Monitoring and Remediation Status Report for the Second Quarter 2006
- **September 26, 2006** – Revised Work Plan

- **November 30, 2006** – Quarterly Monitoring and Remediation Status Report for the Third Quarter 2006

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

Mr. Jeffrey Baker
August 10, 2006
Page 4

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: Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Michael Nickelsen
Haley & Aldrich
200 Town Centre Drive, Suite 2
Rochester, NY 14623

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

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

May 3, 2006

Mr. Jeffrey Baker
Tesoro Petroleum Companies, Inc.
3450 S. 344th Way, Ste. 100
Auburn, WA 98001-5931

Mr. Sam Hirbod
Hirbod Enterprises
111 Deerwood Road, Suite 110
San Ramon, CA 94583

Subject: Fuel Leak Case [REDACTED] Beacon #721, 44 Lewelling Blvd., San Lorenzo, CA

Dear Mr. Baker:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the document entitled, "Fourth Quarter 2005 Groundwater Monitoring/ Remediation Status Report and Site Conceptual Model Update," dated March 31, 2006 (report). ACEH also reviewed the Site Conceptual Model, which is available at the Tesoro Petroleum Sharepoint web site. In correspondence dated December 9, 2005, ACEH previously requested ozone sparge well installation, addition of an ozone generator, expansion of the groundwater extraction system, additional plume delineation, an updated well survey, a utility survey, and groundwater monitoring. The "Fourth Quarter 2005 Groundwater Monitoring/ Remediation Status Report and Site Conceptual Model Update," presents recommendations regarding each of the requested activities.

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

TECHNICAL COMMENTS

1. **Groundwater Beneficial Use in the Area of the Site.** The SCM Update compares contaminant concentrations in groundwater at the site to Environmental Screening Levels (*Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, San Francisco Bay Regional Water Quality Control Board Interim Final - February 2005) for groundwater that is not a current or potential drinking water resource. Please note that groundwater in the area of the site is a potential drinking water resource.
2. **Ozone Sparge Well Installation/Generator Installation.** The report recommends that the installation of three ozone sparge wells along the western boundary of the property and installation of an ozone generator be delayed while additional site data are collected and a remedial plan is developed. Review of the data collected during and following the expansion of the groundwater extraction system prior to the installation of ozone sparge wells is acceptable. Please include recommendations regarding ozone sparge well/generator

installation in the Quarterly Monitoring and Remediation Status Report for the Second Quarter 2006.

3. **Expansion of Groundwater Extraction System.** ACEH concurs with the proposed addition of recovery wells MW-3R and RW-2 to the groundwater extraction system and the proposed data collection concurrent with the expansion of the extraction system. Water level measurements are to be collected using dataloggers and hand held instruments to assess the area of influence from the new pumping wells. Please present the results of the proposed data collection no later than the Quarterly Monitoring and Remediation Status Report for the Second Quarter 2006.
4. **Plume Delineation.** Only monitoring wells MW-10 and MW-11 are located in the downgradient portion of the plume. The refinement of existing cross sections, which already incorporate the two wells, will not address the need for plume delineation. Therefore, we reiterate the previous request in our December 8, 2005 correspondence to define the lateral and vertical extent of the plume in the downgradient direction. Please include your plans for plume delineation in the Work Plan requested below.
5. **Updated Well Survey.** Please present the results of the updated well survey in the Work Plan requested below.
6. **Utility Survey.** Please present the results of the site utility survey no later than the Quarterly Monitoring and Remediation Status Report for the Second Quarter 2006.
7. **Groundwater Monitoring.** Please continue quarterly groundwater monitoring and present the results in the reports requested below. ACEH requests that ethanol be included as an analyte for the on-site monitoring wells in addition to the current analytes. In addition, the irrigation wells at 15800 and 15808 Via Cordoba are to be sampled on a semi-annual basis and the results presented in the groundwater monitoring reports requested below.

TECHNICAL REPORT REQUEST

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

- **May 31, 2006** – Quarterly Monitoring and Remediation Status Report for the First Quarter 2006
- **July 18, 2006** – Work Plan
- **August 30, 2006** – Quarterly Monitoring and Remediation Status Report for the Second Quarter 2006

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

ELECTRONIC SUBMITTAL OF REPORTS

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

Mr. Jeffrey Baker
May 3, 2006
Page 4

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: Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Michael Nickelsen
Haley & Aldrich
200 Town Centre Drive, Suite 2
Rochester, NY 14623

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



7

ENVIRONMENTAL HEALTH SERVICES

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

April 28, 2006

Mr. Jeffrey Baker
Tesoro Petroleum Companies, Inc.
3450 S. 344th Way, Ste. 100
Auburn, WA 98001-5931

Mr. Sam Hirbod
Hirbod Enterprises
111 Deerwood Road, Suite 110
San Ramon, CA 94583

Subject: Fuel Leak Case No. [REDACTED] Beacon #721, 44 Lewelling Blvd., San Lorenzo, CA

Dear Mr. Baker:

You recently submitted a report by electronic mail for the above-referenced site entitled, "Fourth Quarter 2005 Groundwater Monitoring/Remediation Status Report and Site Conceptual Model," dated March 31, 2006. Please note that 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. Hard copies of reports are no longer accepted. **Therefore, please upload the "Fourth Quarter 2005 Groundwater Monitoring/Remediation Status Report and Site Conceptual Model," dated March 31, 2006 and all future reports to the Alameda County FTP site as outlined in the following discussion of "Electronic Submittal of Reports," and the enclosed, "Electronic Report Upload (ftp) Instructions."**

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.

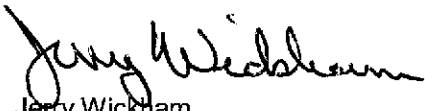
Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents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

Mr. Jeffrey Baker
April 28, 2006
Page 2

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.

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: Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Michael Nickelsen
Haley & Aldrich
200 Town Centre Drive, Suite 2
Rochester, NY 14623

Donna Drogos, ACEH
Jerry Wickham, ACEH
File



Environmental

DATE: 4/25/2006

NUMBER OF PAGES: 12

6280 Brookshire Drive
Rocklin, California 95677

FROM:

TO:

FF Jerry Wickham	FROM: Richard Munsch
COMPANY: Alameda County	
PHONE: (510) 567-6791	PHONE: (916) 415-1134
FAX: (510) 337-9335	FAX: (916) 415-1154
CC:	

REMARKS:	<input type="checkbox"/> URGENT	<input checked="" type="checkbox"/> FOR YOUR REVIEW
	<input checked="" type="checkbox"/> PLEASE REPLY	<input type="checkbox"/> PLEASE COMMENT

Dear Mr. Wickham,

COMMENTS:

We are requesting your authorization to conduct a DWR well search for 67107 and 67106. If you have any questions, please feel free to call.

Thank You,

Richard D. Munsch

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL (916) 415-1134



STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
CENTRAL DISTRICT



3251 "S" Street - Sacramento - CA 95816 - (916) 227-7561

**WELL DRILLER'S REPORTS
INSPECTION REQUEST AND AGREEMENT**

Project: Tesoro Station 67106 Contract Number: _____
Township, Range and Section: T3S, R2W Address: 44 Lewelling Boulevard
County: Alameda County Date: 4/25/06

Request is made pursuant to Section 13751 of the California Water Code for permission to inspect or copy Water Well Driller's Reports, which are on file in your office.

In accordance with the requirements of Section 13752 of the Water Code, it is stipulated and agreed that such reports, or any copy or copies made thereof, will not be made available for inspection by the public but will be used solely by this governmental agency for making studies. If copies are made or taken, each copy will be stamped "CONFIDENTIAL" or "FOR OFFICIAL USE ONLY" and will be kept in a restricted file, access to which is limited to the staff of this governmental agency or to its contracted agents. Any copies furnished to contracted agents must be returned to the Department of Water Resources, Central District upon completion of work by the contracted agent.

No information contained in these reports can be disseminated or published without the written permission of the owner of the well.

<u>Richard Munsch / RDM</u> Contracted Agent	<u>Alameda County Environmental Health</u> Governmental Agency
<u>6280 Brookshire Drive</u> Address	<u>1131 Harbor Bay Parkway</u> Address
<u>Rocklin CA 95677</u> City, State & Zip Code	<u>Alameda, CA 94502-6577</u> City, State & Zip Code
By: <u>Richard Munsch</u> Officer	By: <u>Jerry Wickham</u> Officer
<u>Project Manager</u> Title	<u>Hazardous Materials Specialist</u> Title
<u>(916) 415-1134</u> Telephone	<u>510-567-6791</u> Telephone
<u>[Signature]</u> Signature	<u>[Signature]</u> Signature
<u>4/25/06</u> Date	<u>4/25/06</u> Date

(For Department Information: _____ copies sent _____)

DWR Well Search Form.doc



STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
CENTRAL DISTRICT



3251 "S" Street - Sacramento - CA 95816 - (916) 227-7561

**WELL DRILLER'S REPORTS
INSPECTION REQUEST AND AGREEMENT**

Project: Tesow Station 67107 Contract Number: _____
Township, Range and Section: T3S, R3W Address: 1088 Marin Boulevard
County: Alameda County Date: 4/25/06

Request is made pursuant to Section 13751 of the California Water Code for permission to inspect or copy Water Well Driller's Reports, which are on file in your office.

In accordance with the requirements of Section 13752 of the Water Code, it is stipulated and agreed that such reports, or any copy or copies made thereof, will not be made available for inspection by the public but will be used solely by this governmental agency for making studies. If copies are made or taken, each copy will be stamped "CONFIDENTIAL" or "FOR OFFICIAL USE ONLY" and will be kept in a restricted file, access to which is limited to the staff of this governmental agency or to its contracted agents. Any copies furnished to contracted agents must be returned to the Department of Water Resources, Central District upon completion of work by the contracted agent.

No information contained in these reports can be disseminated or published without the written permission of the owner of the well.

<u>Richard Munsch/RDM</u> Contracted Agent	<u>Alameda County Environmental Health</u> Governmental Agency
<u>6280 Brookshire Drive</u> Address	<u>1131 Harbor Bay Parkway</u> Address
<u>Rocklin CA 95677</u> City, State & Zip Code	<u>Alameda, CA 94502-6577</u> City, State & Zip Code
By: <u>Richard Munsch</u> Officer	By: <u>Jerry Wickham</u> Officer
<u>Project Manager</u> Title	<u>Hazardous Materials Specialist</u> Title
<u>(916) 415-1134</u> Telephone	<u>510-567-6791</u> Telephone
<u>[Signature]</u> Signature	<u>[Signature]</u> Signature
<u>4/25/06</u> Date	<u>4/25/06</u> Date

DEPARTMENT OF WATER RESOURCES

CENTRAL DISTRICT

3251 S Street
Sacramento, CA 95816
(916) 227-7632
(916) 227-7600(Fax)

NORTHERN DISTRICT

2440 Main Street
Red Bluff, CA 96080
(530) 529-7300
(530) 529-7322 (Fax)

SAN JOAQUIN DISTRICT

3374 East Shields Avenue
Fresno, CA 93726
(559) 230-3300
(559) 230-3301 (Fax)

SOUTHERN DISTRICT

770 Fairmont Avenue
Glendale, CA 91203
(818) 543-4600
(818) 543-4604 (Fax)

WELL COMPLETION REPORT RELEASE AGREEMENT--AGENCY
(Government and Regulatory Agencies and their Authorized Agents)

Project/Contract No. Conoco Phillips SS#5367, Alameda County

500 Bancroft Avenue, San Leandro, CA 94577

Township, Range, and Section T2S, R3W, sec 25 1 mile Radius

(Must include entire study area and a map that shows the area of interest.)

Under California Water Code Section 13752, the agency named below requests permission from Department of Water Resources to inspect or copy, or for our authorized agent named below to inspect or copy, Well Completion Reports filed pursuant to Section 13751 to (check one):

Make a study, or,

Perform an environmental cleanup study associated with an unauthorized release of a contaminant within a distance of 2 miles.

In accordance with Section 13752, information obtained from these reports shall be kept confidential and shall not be disseminated, published, or made available for inspection by the public without written authorization from the owner(s) of the well(s). The information shall be used only for the purpose of conducting the study. Copies obtained shall be stamped **CONFIDENTIAL** and shall be kept in a restricted file accessible only to agency staff or the authorized agent.

Delta Environmental Consultants, Inc
Authorized Agent

3164 Gold Camp Drive Suite 200
Address

Rancho Cordova, CA 95670
City, State, and Zip Code

Signature [Signature]

Title Senior Project Manager

Telephone (916) 503-1260

Fax (916) 638-8385

Date 3.8.06

E-mail ddavis@deltaenv.com

Don Hwang
Alameda County Health Agency
Government or Regulatory Agency

1131 Harbor Bay Parkway Suite 250
Address

Alameda, CA 94502
City, State, and Zip Code

Signature [Signature]

Title HAZARDOUS MATERIALS
SPECIALIST

Telephone (510) 567-6746

Fax (510) 337-9335

Date 3/10/06

E-mail don.hwang@acgov.org

6 June 2001

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



F

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

December 9, 2005

Mr. Jeffrey Baker
Tesoro Petroleum Companies, Inc.
3450 S. 344th Way, Ste. 100
Auburn, WA 98001-5931

Douglas Oil Company of California
P.O. Box 1267
Ponca City, OK 74603

Mr. Sam Hirbod
Hirbod Enterprises
111 Deerwood Road, Suite 110
San Ramon, CA 94583

Subject: Fuel Leak Case No. R00000498, Beacon #721, 44 Lewelling Blvd., San Lorenzo, CA

Dear Mr. Baker:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the documents entitled, "Quarterly Monitoring Report and Remediation Status Report, Third Quarter 2005," dated November 10, 2005, "Ozone Sparge Well Installation Work Plan," dated November 24, 2004, and "Recovery Well Installation Results Report," dated November 3, 2004. ACEH also reviewed the Site Conceptual Model, which is available at the project internet web site. The "Quarterly Monitoring Report and Remediation Status Report, Third Quarter 2005," includes results of quarterly groundwater monitoring and presents conclusions and recommendations for future actions.

Based on our review of these documents and the case file, we request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

1. **Site Conceptual Model.** The Site Conceptual Model (SCM) on the project internet web site is a useful resource for review of the site. We encourage you to periodically update the SCM as additional results become available.
2. **Ozone Sparge Well Installation.** ACEH concurs with the proposal in the "Ozone Sparge Well Installation Work Plan," to install three ozone sparge wells along the western boundary of the property. The Work Plan indicates that soil samples will be collected every five feet for logging purposes. ACEH requests that soil samples be collected continuously for logging purposes in order to provide better definition of soil conditions. Previous borings at the site have been sampled at five-foot intervals and have shown significant differences between adjacent borings. We have no objection to screening the soil samples to make decisions regarding submitting soil samples for laboratory analyses. However, we request that soil samples be submitted for laboratory analyses for all depth intervals where staining, odor, or elevated PID readings are observed. If staining, odor, or elevated PID readings are

- observed over an interval of several feet, a sufficient number of soil samples from this interval should be submitted for laboratory analyses to characterize the fuel hydrocarbon concentrations within this interval. We concur with the proposed analyses but request that ethanol also be included as an analyte. Please include these results in the Quarterly Monitoring and Remediation Status Report for the First Quarter 2006.
3. **Addition of Ozone Generator.** The proposed addition of an ozone generator to the air sparging system as proposed in the "Quarterly Monitoring Report and Remediation Status Report, Third Quarter 2005," is acceptable.
 4. **Expansion of Groundwater Extraction System.** ACEH concurs with the proposed addition of recovery wells MW-3R and RW-2 to the groundwater extraction system. ACEH has no objections to the equipment modifications proposed for the soil vapor extraction blower and air sparging compressor. Please provide information regarding these modifications in the Quarterly Monitoring and Remediation Status Reports.
 5. **Plume Delineation.** The plume of dissolved fuel hydrocarbons originating from the site has not been sufficiently defined laterally and vertically. The two monitoring wells within the downgradient portion of the plume, MW-10 and MW-11, do not provide sufficient plume delineation, particularly given the heterogeneous hydrogeologic conditions encountered in the area. In addition, well MW-10 appears to be screened within a different soil unit than well MW-11. Please consider the collection of detailed lithologic information using soil borings, direct push sampling, and/or cone penetrometer to better define the hydrogeology of the site along with the use of depth-discrete groundwater samples collected along transects to characterize the site prior to installation of monitoring wells. We request that you plot the detailed lithologic information and analytical data on hydrogeologic cross sections to determine the appropriate locations and designs for monitoring wells/well clusters that are needed to characterize the three-dimensional extent of soil and groundwater contamination at the site. Please include your plans for plume delineation in the Work Plan requested below.
 6. **Updated Well Survey.** The previous well survey for the site was presented in a report entitled "Problem Assessment Report," dated November 22, 1989. The well survey did not include well construction details and did not identify the two irrigation wells on Via Cordoba. ACEH requests that you conduct a current well survey to locate all wells (monitoring and water supply wells: active, inactive, standby, decommissioned, and abandoned wells) within a 2,000-foot radius of the site. Submittal of maps showing the location of all wells identified in your study, and the use of tables to report the data collected as part of your survey are required. We recommend that you obtain well information from the Alameda County Public Works Agency and State of California Department of Water Resources, at a minimum. Please include an analysis and interpretation of your findings, and report your results in the Work Plan requested below.
 7. **Utility Survey.** We request that you complete the utility survey for the site and evaluate whether any underground utilities could potentially act as preferential pathways for contaminant migrations. Please show the locations of utilities that may act as preferential pathways along with the high and low depths to groundwater on cross sections.

8. **Groundwater Monitoring.** Please continue quarterly groundwater monitoring and present the results in the reports requested below. ACEH requests that ethanol be included as an analyte for the on-site monitoring wells in addition to the current analytes. In addition, the irrigation wells at 15800 and 15808 Via Cordoba are to be sampled on a semi-annual basis and the results presented in the groundwater monitoring reports requested below.

TECHNICAL REPORT REQUEST

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

- **February 15, 2006** – Quarterly Monitoring and Remediation Status Report for the Fourth Quarter 2005
- **February 27, 2006** – Work Plan for Site Characterization
- **May 15, 2006** – Quarterly Monitoring and Remediation Status Report for the First Quarter 2006
- **August 15, 2006** – Quarterly Monitoring and Remediation Status Report for the Second Quarter 2006

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

ELECTRONIC SUBMITTAL OF REPORTS

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

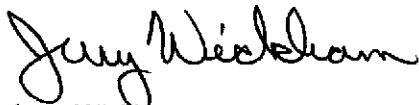
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

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

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

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Mr. Jeffrey Baker
December 9, 2005
Page 5

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Donna Drogos, ACEH
Jerry Wickham, ACEH

File

June 17, 2004

Ms. Eva Chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, room 250
Alameda, California 94502

Mr. Steven Ritchie
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

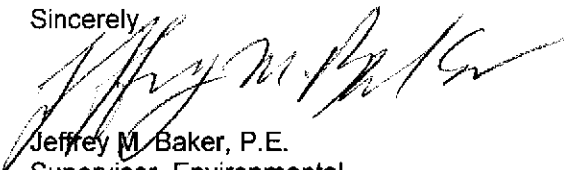
**RE: Change of Ownership to Tesoro Environmental Resources Company
Investigation/Remediation Project at 44 Lewelling Boulevard San Lorenzo, California
Former Tesoro Station No. 67107**

Dear Ms. Chu and Mr. Ritchie:

In a realignment of assets owned by Tesoro, the ownership of the above referenced project has been transferred to Tesoro Environmental Resources Company. All contact information regarding this project will remain the same. Representatives from Tesoro Petroleum Companies, Inc. will continue to manage all aspects of site investigation, remediation and closure on behalf of Tesoro Environmental Resources Company. This letter is solely a notification of change of ownership.

Please contact me at (253) 896-8700 if you have any questions regarding this ownership change.

Sincerely,


Jeffrey M. Baker, P.E.
Supervisor, Environmental
Compliance & Remediation
Tesoro Petroleum Companies, Inc.

CC: Tesoro Legal – San Antonio, TX
RDM – Richard Munsch (w/o attachment)
Brian Kelleher – Kelleher & Associates
File – Remediation, San Lorenzo

Hirbod Enterprises – Owner
Sam Hirbod
111 Deerwood Road, Suite 110
San Ramon, CA 94583



TESORO

Tesoro Petroleum Companies, Inc.
Corporate Environmental Affairs
3450 South 344th Way, Suite 100
Auburn, WA 98001-5931
253 896 8700
253 896 8887 Fax

Alameda County
JUN 26 2004
Environmental Health

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

RO0000498

May 5, 2004

Mr. Jeffrey Baker
Tesoro
3450 South 344th Way, Suite 100
Auburn, WA 98001-5931

RE: Work Plan Approval for Tesoro Station No. 67107 at 44 Lewelling Blvd, San Lorenzo, CA

Dear Mr. Baker:

I have completed review of RDM's *Recovery Well Installation Work Plan* report prepared for the above referenced site. The proposal to install an additional recovery well (RW-2) and convert monitoring wells MW-3 and MW-10 into recovery wells to address the MTBE plume is acceptable. Field work should commence within 60 days of the date of this letter, or by July 7, 2004.

If you have any questions, I can be reached at (510) 567-6762 or by email at echu@co.alameda.ca.us.

eva chu
Hazardous Materials Specialist

c: Donna Drogos

Richard Munch
RMD Environmental
1704 Via Riata
Roseville, CA 95747

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

RO0000498

March 19, 2004

Mr. Jeffrey Baker
Tesoro
3450 South 344th Way, Suite 100
Auburn, WA 98001-5931

RE: Tesoro Station No. 67107 at 44 Lewelling Blvd, San Lorenzo, CA

Dear Mr. Baker:

I have completed review of RDM's *Quarterly Ground Water Monitoring and Remediation System Status Report, Fourth Quarter 2003*, prepared for the above referenced site. Tesoro recommended evaluating options to incorporate well MW-10 into the recovery well pumping operation and to utilize ozone to enhance cleanup efficiency.

This agency does not object to your recommendations. You may proceed with a pilot test to see if the above can be implemented to expedite site cleanup. Please continue to keep this agency updated on remediation status.

If you have any questions, I can be reached at (510) 567-6762 or by email at echu@co.alameda.ca.us.

eva chu
Hazardous Materials Specialist

c: Donna Drogos

Richard Munch
RMD Environmental
1704 Via Riata
Roseville, CA 95747

Chu, Eva, Env. Health

From: Chu, Eva, Env. Health
Sent: Friday, March 21, 2003 5:09 PM
To: Robert Donovan (E-mail)
Subject: Tesoro Station 67107 at 44 Lewelling Blvd, San Lorenzo

Hi Rob,

I completed review of RDM's February 2003 *Quarterly Ground Water Monitoring and Remediation System Status Report, Fourth Quarter 2002*. Groundwater from the irrigation wells at 15800 and 15808 Via Cordoba was sampled. Groundwater from 15800 Via Cordoba contained 0.81ppb MTBE. RDM recommends to collect another confirmation groundwater sample from the two irrigation wells in March 2003. I concur with the recommendation.

eva chu
Alameda County Environmental Health
Hazardous Materials Specialist
1131 Harbor Bay Parkway
(510) 567-6762
(510) 337-9335 (fax)

Lo. 498



TESORO

Tesoro Petroleum Companies, Inc.
Corporate Environmental Affairs
3450 South 344th Way, Suite 100
Auburn, WA 98001-5931
253 896 8700
253 896 8887 Fax

December 17, 2002

DEC 23 2002

CERTIFIED MAIL No. 7002 2410 0003 4633 5846
7002 2410 0003 4633 5853

Return Receipt Requested

Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502

Susan Keach
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, CA 94580

**RE: Change of Ownership
Tesoro Station 67107 at 44 Lewelling Blvd., San Lorenzo, CA**

Dear Ms. Chu and Ms. Keach:

The purpose of this letter is to notify you that on December 20, 2002, ownership of the Beacon-branded station at 44 Lewelling Blvd. in San Lorenzo will be transferred from Tesoro Refining and Marketing Company (Tesoro) to Flyers Beacon, LLC (Flyers) and Nella Oil Company, LLC (Nella). Flyers is the purchaser of the land and Nella is the purchaser of the equipment.

Tesoro will retain the responsibility to manage the environmental remediation activities at the site. As such, all future correspondence should continue to be directed to my attention at the above address with copies to Barbara Wozniak of Nella at 2349 Rickenbacker Way, Auburn, CA 95602. The environmental contractors and project management will remain unchanged with no interruption in clean up progress on-going at the site.

Please do not hesitate to contact me at 253-896-8700 if you have questions regarding today's correspondence

Sincerely,

Rob Donovan
V.P., Corporate Environmental Affairs
Tesoro Petroleum Companies, Inc.

DEC 23 2012

Cc: Brian Kelleher, Kelleher & Associates
Barbara Wozniak, Nella
Glenn Dembroff, Ultramar
Richard Munsch, RDM

Chu, Eva, Env. Health

From: Chu, Eva, Env. Health
Sent: Friday, September 27, 2002 11:01 AM
To: Brian Kelleher (E-mail); Robert Donovan (E-mail)
Subject: Tesoro Station #67107 at 44 Lewelling Blvd, San Lorenzo, CA

Hi,

Thanks for the August 2002 Quarterly Monitoring Report for the above referenced site. For future sampling events, please have groundwater analyzed for all oxygenates (ether and alcohol) as well as lead scavengers.

Domestic wells were identified at 15800 and 15808 Via Cordoba (residences downgradient of the site.). Site Vicinity Map indicates that these are irrigation wells. Please confirm that there is not any direct connection to the potable water supply system. Also the wells should be sampled for TPHg, BTEX, and oxygenates.

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

eva chu
Hazardous Materials Specialist
1131 Harbor Bay Parkway
(510) 567-6762
(510) 337-9335 (fax)

Ro-498

Ultramar

Ultramar, Inc.
685 W. Third Street
Hanford, CA 93230-5016
(559) 582-0241

Fax: 559-583-3282 Environmental
559-583-3256 Retail Administration
559-583-3330 Human Resource
559-583-3382 Maintenance

MAY 21 2002

May 17, 2002

Ms. Eva Chu
Alameda County Env Health
1131 Harbor Bay Pkwy 2nd Fl
Alamed CA 94502

CHANGE IN ENVIRONMENTAL RESPONSIBILITY

**FORMER BEACON STATION NO. 3721
44 LEWELLING BLVD., SAN LORENZO, CA 94580**

As of May 17, 2002, environmental responsibility for the above-referenced property has changed. Based on contractual language associated with the sale of the property, Ultramar Inc. is no longer the Responsible Party (RP) for corrective action at the site.

The new Responsible Party for this site is:

Tesoro West Coast Company
3450 S. 344th Way, Suite 100
Auburn, WA 98001-5931
ATT: Rod Donovan

Phone: 253-896-8716
Email: rdonovan@tesoropetroleum.com

Please make the appropriate change(s) to your database and send all future correspondence to Tesoro West Coast Company.

Sincerely,
ULTRAMAR INC.



Glenn R. Dembroff
Manager
Retail Environmental Services



A Member of the Ultramar Group of Companies

BEACON
#1 Quality And Service

RO-498



TESORO

Tesoro Petroleum Companies, Inc.
3450 South 344th Way, Suite 100
Auburn, Wa. 98001-5931
253 896 8700
253 896 8887 Fax

MAY 21 2002

May 17, 2002

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Pkwy, 2nd Floor
Alameda, CA 94502

RE: Change of Ownership, Service Station at 44 Lewelling Blvd., San Lorenzo, CA

Dear Madam:

The purpose of this letter is to notify you that on the day of this correspondence, May 17, 2002, ownership of the Beacon service stations at the addresses listed above has been transferred from Ultramar Inc. (a subsidiary of Valero Energy Corporation) to Tesoro Refining and Marketing Company (Tesoro). This transfer has occurred upon approval by the U.S. Federal Trade Commission and the States of California and Oregon of Ultramar's sale to Tesoro of the Golden Eagle Refinery and seventy service stations in northern California.

Please contact Catherine Runden of Tesoro at (253) 896-8735 if you have any questions.

Thank you,

A handwritten signature in black ink that reads "Rob Donovan" with a long horizontal flourish extending to the right.

Rob Donovan
VP, Corporate Environmental Affairs
Tesoro Petroleum Companies, Inc.

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

Ms. Susan Keach
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, CA 94980

Ro-498

MAY 01 2002



TESORO

Tesoro Petroleum Companies, Inc.
3450 South 344th Way, Suite 100
Auburn, Wa. 98001-5931
253 896 8700
253 896 8887 Fax

April 22, 2002

Certified Mail, Return Receipt Requested

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Pkwy, 2nd Floor
Alameda, CA 94502

RE: Change of Ownership, Service Station at 44 Lewelling Blvd., San Lorenzo, CA

Dear Ms. Chu:

The ownership of the Beacon service station at 44 Lewelling Blvd. in San Lorenzo will be transferred from Ultramar Inc. (a subsidiary of Valero Energy Corporation) to Tesoro Refining and Marketing Company ("Tesoro") on or about April 30, 2002. This transfer will occur upon approval by the U.S. Federal Trade Commission and the States of California and Oregon of Ultramar's sale to Tesoro of the Golden Eagle Refinery and seventy service stations in northern California.

Tesoro will assume environmental responsibilities at the site from Ultramar upon change of ownership. During this transition period, Tesoro is retaining all environmental contractors and consultants currently working on this project. Thus we expect this to be a seamless transition.

Please do not hesitate to contact me if you have questions regarding today's correspondence. Tesoro's mailing address and phone number are Tesoro Refining and Marketing Company, 3450 S. 344th Way, Ste. 100, Auburn, WA 98001 and 253-896-8700. Tesoro will assign an environmental contact for the San Lorenzo site in the very near future. When this occurs, we will promptly notify you.

Sincerely,

Rob Donovan
V.P., Corporate Environmental Affairs
Tesoro Petroleum Companies, Inc.

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

Ms. Susan Keach
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, CA 94980

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

RO0000498

February 13, 2002

Mr. Joe Aldridge
Ultramar
685 W 3rd Street
Hanford, CA 93230

RE: Groundwater Monitoring at Beacon Station No. 721, 44 Lewelling Blvd., San Lorenzo, CA

Dear Mr. Aldridge:

I have completed review of RDM's February 2002 *Quarterly Ground Water Monitoring and Remediation System Status Report, Fourth Quarter 2001* prepared for the above referenced site. Groundwater and soil vapor extraction and air sparging is still employed to remediate MTBE at the site. Currently groundwater monitoring wells MW-1, MW-2, MW-3, MW-4, MW-7, MW-10, MW-11 and RW-1 are sampled on a quarterly basis.

For the next sampling event, please include the sampling of groundwater from well MW-9. Groundwater from all wells should also be analyzed for MTBE and other ether oxygenates next quarter. If MTBE is detected in well MW-9, then continue with quarterly sampling. If not, continue with semi-annual sampling.

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

eva chu
Hazardous Materials Specialist

c: Richard Munch
RMD Environmental
1704 Via Riata
Roseville, CA 95747

beacon#721-4

JNS CONSTRUCTION

9200 E. SHAW AVE.
CLOVIS, CA, 93611
559-299-1870 FAX 559-299-1463

AUG 28 2001

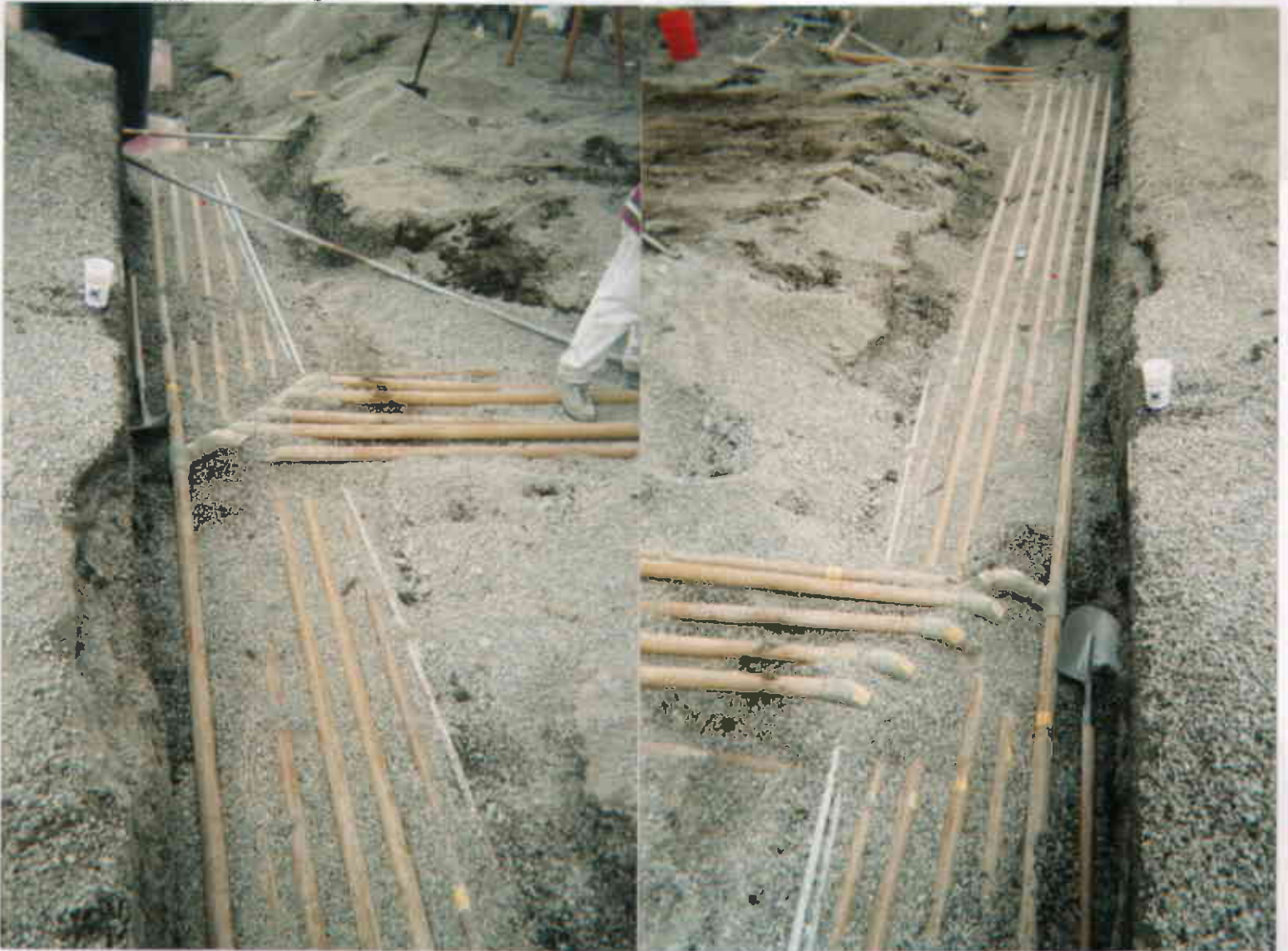
8-22-01

Alameda Co. Health Agency
Dept. of Environmental Health

Attrn. Eva Chu

Enclosed are the pictures you requested for the Beacon station at 44 Lewelling Blvd. in San Lorenzo. If you have any questions give us a call.

Sincerely,
Charles Snodgrass



HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Beacon # 721

STID #: 10-418

FACILITY NAME: 44 Leveling

PG. 1 OF 1

SUPPLEMENTAL FORM

LS-1 ○

LS-1 - clay - no odor 2' under dispenser

LS-2 - clay no odor 2 1/2' under dispenser

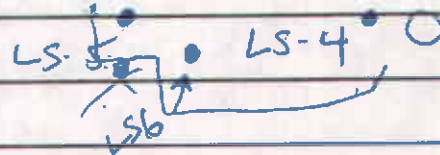
LS-3 ○ LS-2 ○

LS-3 - clay no odor 4' under T

200 ft line

LS-4 - clay no odor at 2 1/2' under dispenser

LS-5 - clay - mod odor at 3'



LS-6 - from center of where obvious contamination was at ~ 4.5' by 5' ~ 2.5' soil removed before sampling. No odor.

Analyze soil sampler for TPH, STOX, MTRB

Analyze highest hit for MTRB + other organics using 8200

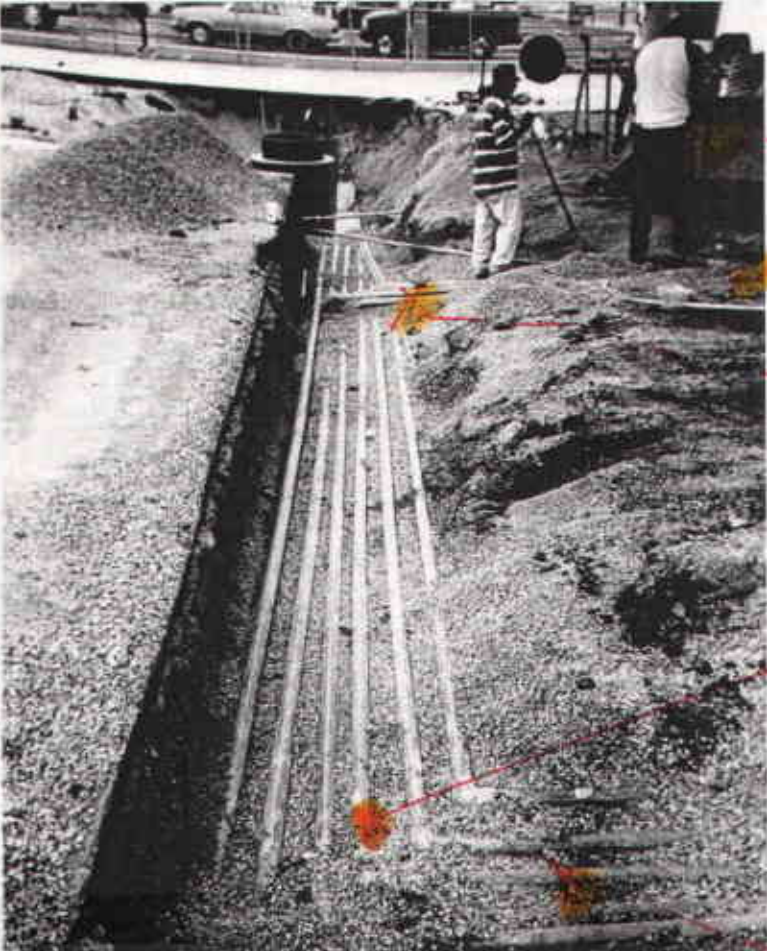
Analyze LS 5 for total lead + lead scavenger

PRINT NAME: Hal Hansen

INSPECTED BY: E. Van Clow

SIGNATURE: [Signature]

DATE: 7/10/01



→ LS-1

→ LS-2

→ LS-3

→ LS-5

→ LS-4



→ LS-6

Trench/piping sampling locations
7/10/01

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

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

StID 1497

December 19, 2000

Mr. Joe Aldridge
Ultramar (559) 583-4231
525 West Third Street
Hanford, CA 93230

RE: Groundwater Monitoring at Beacon Station No. 721, 44 Lewelling Blvd., San Lorenzo, CA

Dear Mr. Aldridge:

I have completed review of Delta Environmental Consultants, Inc.'s November 2000 *Quarterly Ground Water Monitoring and Remediation System Status Report* prepared for the above referenced site. Per the report, the remediation system was not in operation during the third quarter 2000. And, elevated MTBE concentrations continue to be detected in Well MW-2 (at 46,000 ppb).

At this time, please re-instate quarterly sampling of Well MW-4 (along with MW-1, MW-2, MW-3, and MW-10). And, I recommend that a groundwater monitoring well be installed midway between Wells MW-2 and MW-10. This is requested so the MTBE plume can be better tracked. A workplan for the installation of another monitoring well is due within 60 days of the date of this letter, or by **February 13, 2001**.

Lastly, please provide an update on when and if the remediation system will be put back into operation. If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

c: Michael Berrington, Delta Environmental, 3164 Gold Camp Drive, Suite 200,
Rancho Cordova, CA 95670-6021

PS The RWQCB does not need to receive copies of environmental reports for this site.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

StID 1497

December 8, 2000

Mr. Joe Aldridge
Ultramar
P.O. Box 466
Hanford, CA 93232-0406

RE: Groundwater Monitoring at Beacon Station No. 721, 44 Lewelling Blvd., San Lorenzo, CA

Dear Mr. Aldridge:

I have completed review of Delta Environmental Consultants, Inc.'s November 2000 *Quarterly Ground Water Monitoring and Remediation System Status Report* prepared for the above referenced site. Per the report, the remediation system was not in operation during the third quarter 2000. And, elevated MTBE concentrations continue to be detected in Well MW-2 (at 46,000 ppb).

At this time, please re-instate quarterly sampling of Well MW-4 (along with MW-1, MW-2, MW-3, and MW-10). And, I recommend that a groundwater monitoring well be installed midway between Wells MW-2 and MW-10. This is requested so the MTBE plume can be better tracked. A workplan for the installation of another monitoring well is due within 60 days of the date of this letter, or by **February 13, 2001**.

Lastly, please provide an update on when and if the remediation system will be put back into operation. If you have any questions, I can be reached at (510) 567-6762.

A handwritten signature in black ink, appearing to read 'eva chu'.

eva chu
Hazardous Materials Specialist

c: Michael Berrington, Delta Environmental, 3164 Gold Camp Drive, Suite 200,
Rancho Cordova, CA 95670-6021

PS The RWQCB does not need to receive copies of environmental reports for this site.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

StID 1497

September 1, 2000

Mr. Joe Aldridge
Ultramar
PO Box 466
Hanford, CA 93232-0406

RE: Soil Vapor Extraction System at 44 Lewelling Blvd., San Lorenzo, CA

Dear Mr. Aldridge:

I have completed review of Delta Environmental Consultants, Inc.'s July 2000 *Quarterly Ground Water Monitoring and Remediation System Status Report* prepared for the above referenced site. Elevated MTBE concentrations continue to be detected in groundwater from Wells MW-2 and MW-4. The soil and groundwater extraction systems operated intermittently during the second quarter 2000 in attempts to remediate MTBE in soil and groundwater. Air samples were collected from the extraction system and analyzed for TPHg and BTEX.

Soil vapor is extracted from Wells MW-3 and RW-1. Since it appears that the dispenser islands are within the MTBE source area, Well MW-2 should be tied into the soil vapor extraction system (SVE). Please make modifications to the SVE system to include Well MW-2. If you believe that additional vapor extraction wells are necessary, a workplan should be submitted for review. Future air samples collected from the SVE should also be quantified for MTBE.

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

A handwritten signature in black ink, appearing to read "eva chu".

eva chu
Hazardous Materials Specialist

email: Richard Munsch (rmunsch@deltaenv.com)

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

StID 1497

January 19, 1999

Mr. Terrence Fox
Ultramar
PO Box 466
Hanford, CA 93232-0406

RE: Groundwater Sampling Frequency at 44 Lewelling Blvd, San Lorenzo, CA

Dear Mr. Fox:

I have completed review of Delta Environmental's January 1999 *Quarterly Groundwater Monitoring Report, Fourth Quarter 1998* prepared for the above referenced site. Groundwater from well MW-2 continues to exhibit elevated levels of MTBE (up to 17,000ppb). Ultramar is planning to restart the vapor extraction system in the first quarter of 1999 to reduce the MTBE levels.

Once the remediation system is operation, please keep me apprised of the effectiveness of MTBE removal from soil and groundwater. At this time, it is appropriate to reduce the groundwater sampling frequency of the various monitoring wells as follows:

- discontinue sampling of wells MW-5, MW-6, MW-8, and MW-9;
- semi-annual sampling of wells MW-4, and MW-11;
- annual sampling of well MW-7; and,
- quarterly sampling of wells MW-1, MW-2, MW-3 and MW-10.

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

eva chu
Hazardous Materials Specialist



3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670
Phone: (916) 638-2085
Fax: (916) 638-8385

FAX TRANSMITTAL FORM

DATE: August 12, 1997
RECIPIENT: Brain P. Oliva - Alameda County Health
Services
cc: Terrance Fox - Ultramar Inc.
COMPANY: Alameda County Health Services
RECIPIENT FAX NO: 510/337-9335
SENDER: Charles Keoni Almeida
NO. OF PAGES TO FOLLOW: 0
SUBJECT: Work Plan dated July 22, 1997
Beacon Station No. 721
44 Lewelling Boulevard
San Lorenzo, CA
DELTA PROJECT NO:
MESSAGE:

Dear Mr. Oliva:

This transmittal is being submitted on behalf of Ultramar Inc. for the above referenced site in response to your August 6, 1997, letter. Collected soil samples will be submitted and analyzed for methyl-t-butyl-ether as part of the 8020 procedure.

Charles Keoni Almeida
Project Manager

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # H93 Site Name Beacon Station Today's Date 8/7/97
Site Address 441 Leavelly
City San Lorenzo Zip 94580 Phone _____

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

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

Comments:

On site for investigation.
routine site visit
treatment system on site in rear of site
new monitoring wells in work plan
No other comments

Contact _____
Title _____
Signature _____

Inspector *Bea Or*
Signature _____

II, III

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



August 6, 1997

STID# 1497

Mr. Terrence Fox
Senior Project Manager
Ultramar Inc.
P.O. Box 466
525 W. Third Street,
Hanford, CA 93232-0466

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

Subject: Beacon Station No. 721, located at 44 Lewelling Blvd.,
San Lorenzo, CA 94580

Dear Mr. Fox:

This office has received and reviewed the "Workplan for Soil Sample Collection", dated July 22, 1997, submitted by Delta Environmental Consultants Inc., your consultant of record. Thank you for submission of the above referenced document.

This office concurs with the scope of work as outlined by your consultant. However, in reviewing the workplan, and conferring with Kevin Graves, contact with the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), there are some additional items required prior to approval of the plan.

It will be necessary for the laboratory analysis to include screening for MTBE as part of the 8020 procedure. Please submit an addendum to the plan specifying the requested sampling within fourteen (14) days. Upon receipt of this document, the workplan will be approved. Please contact this office as to when the site work will be undertaken.

If you have any questions, please contact this office. The number is (510) 567-6737.

Sincerely,

Brian P. Oliva, REHS, REA,
Senior Hazardous Materials Specialist

cc: Kevin Graves, SFBRWQCB
Delta Environmental, 3164 Gold Camp Drive, Suite 200, Rancho
Cordova, CA 95670
Tom Peacock, Manager, LOP

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

StId 1497/lop

June 5, 1997

Terrence A. Fox
Ultramar, Inc.
PO Box 466
Hanford CA 93232-0466

Subject: Beacon Station #721, 44 Lewelling Blvd., San Lorenzo CA

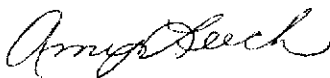
Dear Mr. Fox:

This letter is a follow-up to our telephone conversation on April 11, 1997, and your letter dated April 8, 1997. This office concurs with your request to implement the non-purge approach for sampling monitoring wells at the subject site. Sampling practices at the site must adhere to the San Francisco Bay Regional Water Quality Control Board's (RWQCB) January 31, 1997 protocol for the non-purging approach.

It is my understanding that all ORC treatment socks have been permanently removed from monitoring wells MW-1, MW-2, MW-3, and MW-10. Before implementing the non-purge approach, please ensure that these wells are purged. In addition, monitoring well MW-3 should be redeveloped since it has been reported dry since June 1996.

Please include a discussion of results of the above mentioned items and a report on the remediation system performance in the next quarterly monitoring report submitted to this office for review. Should you have questions, please call me at (510)567-6755.

Sincerely,



Amy Leech
Hazardous Materials Specialist

c: Michael Berrington, Delta Environmental, 3164 Gold Camp Dr., Suite 200,
Rancho Cordova CA 95670

ALL-file

1497 - 44 Leuelling Blvd.

Site Issues

→ still pending -

4/11/97

→ file notes indicate that piping was to be replaced in 10/96 & trenches were to be sampled. OE was planned if warranted.

OK on this

→ status on ORC - was expecting a write up on this in 3rd Quarterly

• How many wells did you place - 3, 1, 2, 10

→ In 9/96 asked Mr. Fox to calculate groundwater velocity.

→ Ultramar reported they turned off their remediation system. When? AS-1/97
others prior to 4/896 →

* → Definitely need MW-3 re-developed. It has historically had ↑ conc. - need this data to verify of appropriateness of system shut-off.

Ultramar

Ultramar, Inc.
P.O. Box 466
525 W. Third Street
Hanford, CA 93232-0466
(209) 582-0241

ENVIRONMENTAL
PROTECTION
97 APR 10 PM 3:45

Telecopy: 209-585-5885 Credit
209-583-3330 Administrative
209-583-3302 Information Services
209-583-3358 Accounting

April 8, 1997

Ms. Amy Leach
Hazardous Materials Program
Department of Environmental Health
Alameda County Health Care Services
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

SUBJECT: BEACON STATION NO. 721, 44 LEWELLING BLVD., SAN LORENZO, CALIFORNIA

Dear Ms. Leach:

Ultramar Inc. (Ultramar) received a memo from the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) dated January 31, 1997. The memo was regarding utilizing the non-purge approach for sampling wells impacted by petroleum hydrocarbons. After reviewing the memo, Ultramar believes that the above-referenced site meets the criteria outline in the SFBRWQCB memo for a non-purge site. Therefore, Ultramar request permission to utilize the non-purge approach during the next sampling event. Your rapid response to this request would be appreciated.

Please call if you have any questions regarding this project.

Sincerely,

ULTRAMAR INC.


Terrence A. Fox
Senior Project Manager
Marketing Environmental Department

Enclosures

cc w/encl: Mr. Steve Morse, San Francisco Bay Region, RWQCB



A Member of the Ultramar Group of Companies

BEACON
#1 Quality and Service



3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670
Phone: (916) 638-2085
Fax: (916) 638-8385

FAX TRANSMITTAL FORM

DATE: 2/3/97
 RECIPIENT: Ms. Amy Leech
 COMPANY: ALAMEDA Co. ENV. HEALTH
 RECIPIENT FAX NO: (510) 337-9335
 SENDER: MIKE BERRINGTON
 NO. OF PAGES TO FOLLOW: 1
 SUBJECT: DWR Well Driller's Reports Review
 DELTA PROJECT NO: DØ93-936 *Authorization*
 MESSAGE:

Attached please find a copy of the form we spoke about this afternoon which will allow Delta to review well driller's logs at the DWR office. Delta's purpose for reviewing these DWR driller's logs is to identify any water wells drilled in the vicinity of Beacon Station No. 721, 44 Lehwelling Blvd, San Lorenzo since 1989. The info obtained at DWR will be used to complete a Risk Tier 1 & 2 Risk Assessment at the site.

Thanks for your cooperation,

Mike Berrington

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

StId 1497

October 30, 1996

Terrence A. Fox
Ultramar, Inc.
PO Box 466
Hanford CA 93232-0466

Subject: Approval of work plan for Beacon Station #721, 44 Lewelling Blvd., San Lorenzo, CA

Dear Mr. Fox:

This office has reviewed Delta Environmental Consultants, Inc.'s (Delta) *Soil Sampling/Management Plan*, dated October 18, 1996. This work plan proposes to complete soil sampling subsequent to removal of existing product distribution lines at the subject site. This work plan is acceptable to this office.

Please notify me at least 72 hours in advance to schedule soil sampling field activities and if you have question. My telephone number is (510)567-6755.

Sincerely,

Amy Leech
Hazardous Materials Specialist

c: Delta Environmental Consultants, Inc.
3164 Gold Camp Dr, Suite 200
Rancho Cordova CA 95670

Don Atkinson-Adams
File(ALL)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Director

StId 1497

August 15, 1995

Terrence A. Fox
Ultramar, Inc.
PO Box 466
Hanford CA 93232-0466

DEPARTMENT OF ENVIRONMENTAL HEALTH
Environmental Protection Division
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577
(510) 567-6700

Subject: Approval of work plan for Beacon Station #721, 44
Lewelling Blvd., San Lorenzo, CA

Dear Mr. Fox:

This office has reviewed Delta Environmental Consultants, Inc.'s (Delta) work plan, dated July 11, 1995. This work plan proposes to install three air sparging wells to be used as remedial testing at the subject site. This work plan for an air sparging feasibility study is acceptable to this office with the following comments/additions:

- o Please include a site-specific evaluation on the effectiveness of the air sparging/vapor extraction system in the final report describing this work. Todd Galati with Delta indicated during our August 15th telephone conversation, that he expects that the air sparging system will be operational less than six months. If the air sparging/vapor extraction system is not effective in reducing petroleum contamination to soil and groundwater during this time or the radius of influence is not adequate, then other remedial alternatives will need to be proposed and implemented at this site.

Implementation of this work plan should begin within 30 days from the date of this letter. A final report documenting the results of this investigation is due to this office within 45 days of implementing the work plan. As I indicated to Mr. Galati, this "final report" can be incorporated into the next quarterly report.

Please contact me at (510)567-6755 if you have question or comments. We hope this study goes well and look forward to receiving the evaluation and preliminary results in the next quarterly monitoring report.

Sincerely,

Amy Leech
Hazardous Materials Specialist

Fox/Ultramar

Re: 44 Lewelling Blvd., San Lorenzo

August 15, 1995

Page 2 of 2

c: Delta Environmental Consultants, Inc.
3164 Gold Camp Dr, Suite 200
Rancho Cordova CA 95670

Acting Chief of Environmental Protection-File(ALL)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program

June 30, 1994

Mr. Terrance A. Fox
Ultramar Inc.
P.O. Box 466
525 W. Third Street
Hanford, CA 93232-0466

1131 Harbor Bay Parkway, 2nd Flr
Alameda CA 94502

STID 1497

Re: Investigations at Beacon Station #721, located at 44
Lewelling Blvd., San Lorenzo, California

Dear Mr. Fox,

This office has reviewed Delta Environmental Consultants, Inc.'s (Delta) Quarterly Ground Water Monitoring Report, dated March 22, 1994. According to this report, Well MW-10 was not sampled due to the fact that it was paved over with new asphalt. Please be reminded that you are required to properly close this well, under the permit of the Alameda County Flood Control District, Zone 7. Additionally, based on the fact that elevated levels of TPHg and BTEX have consistently been identified from Well MW-10, you are required to install a new well in its place. This replacement well shall be constructed properly and be surveyed to a common benchmark. You are required to install the replacement well within 45 days of the date of this letter. Details regarding the well installation and construction shall be submitted to this office in the following quarterly ground water monitoring report.

According to your March 29, 1994 letter to this office, the site's vapor extraction system began operations in about mid April 1994. According to RESNA's Interim Ground Water Remediation Plan, dated March 26, 1992, the computer generated capture zone did not encompass Wells MW7, MW8, MW9, MW10, and MW11. All of these wells, with the exception of Well MW9, have consistently identified unacceptable contaminant levels. Consequently, in the County's December 2, 1993 letter to your office, this office required that you take measures to contain and remediate the plume outside of the estimated ground water and vapor capture zones. To our knowledge, no further efforts have yet been made to implement this work. Per Article 11, Title 23 California Code of Regulations, Ultramar is required to take steps to contain and remediate the contamination observed off site. Ultramar is required to submit a work plan addressing this work within 60 days of the date of this letter.

Mr. Terrance Fox
Re: 44 Lewelling Blvd.
June 30, 1994
Page 2 of 2

If you have any questions or comments, please contact me at (510)
271-4530.

Sincerely,



Juliet Shin
Hazardous Materials Specialist

cc: Todd M. Galati
Delta Environmental
Consultants, Inc.
3330 Data Drive
Rancho Cordova, CA 95670

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

December 2, 1993

Terrance A. Fox
Ultramar Inc.
P.O. Box 466
525 W. Third Street
Hanford, CA 93232-0466

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

STID 1497

Re: Beacon Station #721, located at 44 Lewelling Blvd., San
Lorenzo, California

Dear Mr. Fox,

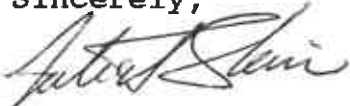
This office has reviewed Delta Environmental's Quarterly Ground water Monitoring Report, dated November 9, 1993, for the above site. In viewing the information contained in this report, and previous reports, it appears that the capture zones of the proposed ground water and vapor extraction systems will not extend enough to influence the contamination observed in the areas of Wells MW-7, MW-10, and MW-11 and to sufficiently contain or remediate this contamination. Please be advised that this off-site ground water and soil contamination needs to be remediated, in addition to the contamination on site and in the immediate vicinity of the site.

The great magnitude of off-site contamination is of concern to this office, and, consequently, in order to prevent future encroachment of the ground water contaminant plume onto additional off-site properties, this office is requesting that, in the meantime, you at least contain further migration of this plume in the areas that the extraction well, RW-1, does not encompass.

Please contact this office, either by phone or letter, **within 15 days** of the date of this letter, with your future plans on addressing the containment and remediation of the off-site ground water and soil contamination not encompassed by the currently operating remediation system, RW-1.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,


Juliet Shin
Hazardous Materials Specialist

Mr. Terrance Fox
Re: 44 Lewelling Blvd.
December 2, 1993
Page 2 of 2

cc: Todd M. Galati
Delta Environmental Consultants, Inc.
3330 Data Drive, Ste 100
Rancho Cordova, CA 95670

Edgar Howell-File(JS)

~~See memo from BS for re + dated 9/1/93~~
- The site needs to address cleanup,
eventually, ^{log} groundwater containment
pump that lies outside of the extraction
system's capture zone.

- Keep an eye out for whether any cone
of depression is apparent from
water level measurements.

- Keep an eye on the product observed
in Well MW-3.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

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

June 10, 1992

Terrence A. Fox
Ultramar Inc.
P.O. Box 466
525 W. Third Street
Hanford, CA 93232-0466

STID 1497

RE: Beacon Station #721, located at 44 Lewelling Boulevard, San Lorenzo, California

Dear Mr. Fox,

This office has reviewed the Interim Groundwater Remediation work plan for the installation of the vapor and groundwater extraction systems at the above site and is in concurrence with your plan. Please submit a timetable addressing when the proposed work will be conducted at the site.

After the groundwater extraction system is installed and pumping begins, the monitoring of water levels in all the monitoring wells will be required. If the groundwater extraction system is found to be insufficient to capture the contaminant plume, additional steps will be necessary to remediate the problem.

The work plan did not specify what methods would be used to treat the extracted groundwater. Per your conversation with Ms. Juliet Shin on May 26, 1992, your consultants have several groundwater treatment options in mind, and a treatment method will be decided upon after receiving this Department's approval of the work plan. It is our understanding that you will keep this office updated on which treatment system is chosen before installing it at the site.

Per your conversation with Ms. Juliet Shin on June 10, 1992, it is the understanding of this office that the the operation of the above extraction systems is only a part of the corrective measures that will eventually be undertaken at the site, and that the operation of these systems will help to determine what additional corrective action will be required to mitigate the site.

If you have any questions or comments please contact Juliet Shin at
(510) 271-4320.

Sincerely,



Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Richard Hiatt, RWQCB
Jim Ferdinand, Eden Consolidated Fire Dept.
File (JS)

DATE 4/24/92

CONTACT LOG

FROM: Juliet Shin AFFILIATION: Alameda County
TITLE: _____ PHONE: (510) 271-4320
TO: Terrance Fox AFFILIATION: Ultramar
TITLE: Senior Project Mgr. PHONE: (209) 582-0241
RE: STID 1497, Beacon Station #741, located at
44 Levee Blvd, San Lorenzo, CA

Ms. Shin stated that she received the Interim Groundwater Remediation Plan, dated March 26, 1992. Ms. Shin requested that Ultramar describe the method ^{in which} the groundwater, extracted through the proposed remediation system, would be treated. Mr. Fox said that the groundwater will probably be treated w/ a type of diffused aeration or air strippers. Mr. Fox stated that he would send an addendum to the work plan that describes the groundwater treatment system that they will use.

Ms. Shin mentioned that the designated capture zone, in the report, does not encapsulate MW-7, which has identified contamination. Mr. Fox stated that Ultramar will see how great the capture zone really is once the extraction/treatment system is in operation. If the system does not effectively remediate to well MW-7, then additional steps will be taken. Ms. Shin mentioned that if well MW-7 is not immediately affected by →

The extraction system, then maybe an additional well will be required to be installed north of MW-7 in order to delineate the contamination plume.

DATE 4/20/92

CONTACT LOG

FROM: Turny Fox AFFILIATION: Ultra Max
TITLE: _____ PHONE: (209) 583-5545
TO: Juliet Shin AFFILIATION: Alameda County
TITLE: Haz. Mat. Spec. PHONE: (510) 271-4320

RE: STID 1497 - Brown # 721 located at 44 Lowellling Blvd.
San Lorenzo

Mr. Fox stated that groundwater extraction and treatment had not yet begun at the site. Mr. Fox wanted to get the Interim Remediation Plan approved before commencing with operations. Ms. Shin stated that the Remediation Plan report was not in the files at the County. Mr. Fox stated that he mailed the report to this office on April 10, 1992 to Pam Evans. The report is dated 3/26/92. This report includes an estimate of the capture zone that will be created w/ the installation of the groundwater extraction system.

FUEL LEAK CASE FORM

Enter Date _____
Review Date 8 / 14 / 89
Date of Last Corr. 7 / 17 / 89
Report Date 5 / 11 / 87

Review Status 1 C
Evaluator CMN

Sitename Kayo
Street Number 44
Street Lewelling Blvd
City San Lorenzo
Zip #
County 01
Local Agency 01000

Primary Substance 8006619
Secondary Substance _____

Max. Soil Conc. (ppm) 1136
Max G.W. Impact (ppb) ~~59999~~ 999999

Case Type S G D U
Groundwater Depth 16'
Permeability 1 2 3

Priority A-2
Rank _____
Status 5C

Date 3B 5 / 27 / 87
Date 5C 12 / 2 / 88
Date 5R _____
Date 7 _____
Date 8 _____
Date 9 _____

Interim Y N
Interim Date _____
Abate Method ED

Lead Agency L R LI RI
UGT Y N
Division LPC

Enforce Type 0 1 2 3
Enforce Date 7 / 6 / 88
Pilot Program Y N
RP Search S I R N

Comment (80 Characters) 59,00 ppb benz MW-3
6/88. Strong sheen MW-2 6/87.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

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

February 6, 1992

STID# 1497

Ultramar Inc.
ATTN: Terrence Fox
525 W. Third Street,
Hanford, CA 93230

Subject: Beacon Station #721, 44 Leweling Blvd., San Lorenzo,
CA 94580

Dear Mr. Fox:

I am in receipt of your "Third Quarter 1991 Monitoring Results for the above-referenced Ultramar Facility, dated January 21, 1992, from data collected by Groundwater Technologies, Inc. (GTI). In your letter you propose to discontinue sampling Monitoring Well# 6 due to the fact that these wells historically contain very little or no hydrocarbons. This office cannot concur with this proposal due to the deficiency in your sampling of four successive "non-detect" quarters. If, at the end of four quarters of "non-detect", you may again propose to discontinue sampling.

In regards to the removal of MW #9 from the sampling program, this office cannot concur for similar reasons, i.e., four quarters of "non-detect" laboratory results.

In a letter from this office dated January 22, 1992, Ultramar was asked to submit a workplan for the interim remediation of the facility due to the presences of "Free Product" at the site. As of this date, no such plan has been received by this office, and no extension was sought or granted. Please submit a workplan for the interim remediation of the site by February 22, 1992.

Please be advised this is a formal request for technical reports pursuant to California Water Code Section 1326(b). Failure to respond could result in civil penalties. Any extension of stated deadlines or changes in the workplan must be confirmed in writing and approved by this office or the Regional Water Quality Control Board.

If you have any questions, please contact Brian P. Oliva,
Hazardous Materials Specialist at (510) 271-4320.

Sincerely,

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

Thomas Peacock,
Supervising Hazardous Materials Specialist

cc: Mark Thomson, Alameda County Deputy District Attorney
Eddie So., SFBRWQCB
Scott Gable, Groundwater Technology

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

January 22, 1992

STID# 1497

Ultramar Inc.
ATTN: Terrence Fox
525 W. Third Street,
Hanford, CA 93230

DEPARTMENT OF ENVIRONMENTAL HEALTH
80 Swan Way, Rm. 210
Oakland, CA 94621
(415) 271-4300

Subject: Beacon Station # 721, 44 Lewelling Blvd., San Lorenzo,
CA 94580

Dear Mr. Fox:

This office has received and reviewed the Second Quarter 1991 "Monitoring Results" dated September 11, 1991, submitted by Groundwater Technology Inc. (GTI), your consultant of record. Following the review of this document, and subsequent review of the file, several issues need to be addressed by your Company for acceptable concurrence by this office:

- 1) The horizontal and vertical extent of contamination has not yet been determined. A workplan should be submitted that would adequately delineate the plume from the former underground tanks.
- 2) There has historically been "free product" encountered at the site in the monitoring wells. It will be necessary to implement a remediation system to recover the floating constituents.
- 3) Previously there have been proposals to install more monitoring wells at the site. Please submit a workplan that would indicate placements for such wells and a time frame for their construction.

All workplans called for should be submitted to this office within thirty (30) days, i.e., no later than February 3, 1992.

If you have any questions concerning this site, please contact Brian P. Oliva from this office at (510) 2371-4320.

Sincerely,

Thomas Peacock, Sup. Haz Mat Specialist

cc: Eddie So, SFBRWQCB
Scott Gable, Groundwater Technology Inc.,

January 22, 1992

STID# 1497

Ultramar Inc.
ATTN: Terrence Fox
525 W. Third Street,
Hanford, CA 93230

Subject: Beacon Station # 721, 44 Lewelling Blvd., San Lorenzo,
CA 94580

Dear Mr. Fox:

This office has received and reviewed the Second Quarter 1991 "Monitoring Results" dated September 11, 1991, submitted by Groundwater Technology Inc. (GTI), your consultant of record. Following the review of this document, and subsequent review of the file, several issues need to be addressed by your Company for acceptable concurrence by this office:

- 1) The horizontal and vertical extent of contamination has not yet been determined. A workplan should be submitted that would adequately delineate the plume from the former underground tanks.
- 2) There has historically been "free product" encountered at the site in the monitoring wells. It will be necessary to implement a remediation system to recover the floating constituents.
- 3) Previously there have been proposals to install more monitoring wells at the site. Please submit a workplan that would indicate placements for such wells and a time frame for their construction.

All workplans called for should be submitted to this office within thirty (30) days, i.e., no later than February 3, 1992.

If you have any questions concerning this site, please contact Brian P. Oliva from this office at (510) 2371-4320.

Sincerely,

Thomas Peacock, Sup. Haz Mat Specialist

cc: Eddie So, SFBRWQCB
Scott Gable, Groundwater Technology Inc.,

DATE:

TO : Local Oversight Program

FROM:

SUBJ: Transfer of Eligible Oversight Case

Site name: Beacon #721

Address: 44 Jewelling Blvd City San Lorenzo Zip 94580

Closure plan attached? Y N DepRef remaining \$ 250.00

DepRef Project # 4058A STID #(if any) 1497

Number of Tanks: 3 removed? Y N ^{replaced} Date of removal 4-87

Samples received? Y N Contamination: TPH_g + BTEX

Petroleum Y N Types: Avgas Jet leaded unleaded Diesel
fuel oil waste oil kerosene solvents

Monitoring wells on site 9 Monitoring schedule? Y N quarterly

LUFT category 1 2 3 * H S C A R W G O discovery 29 Aug 87

Briefly describe the following:

Preliminary Assessment GW contamination w/ FP, offsite contamination

Remedial Action No remediation except bailing of free product

Post Remedial Action Monitoring _____

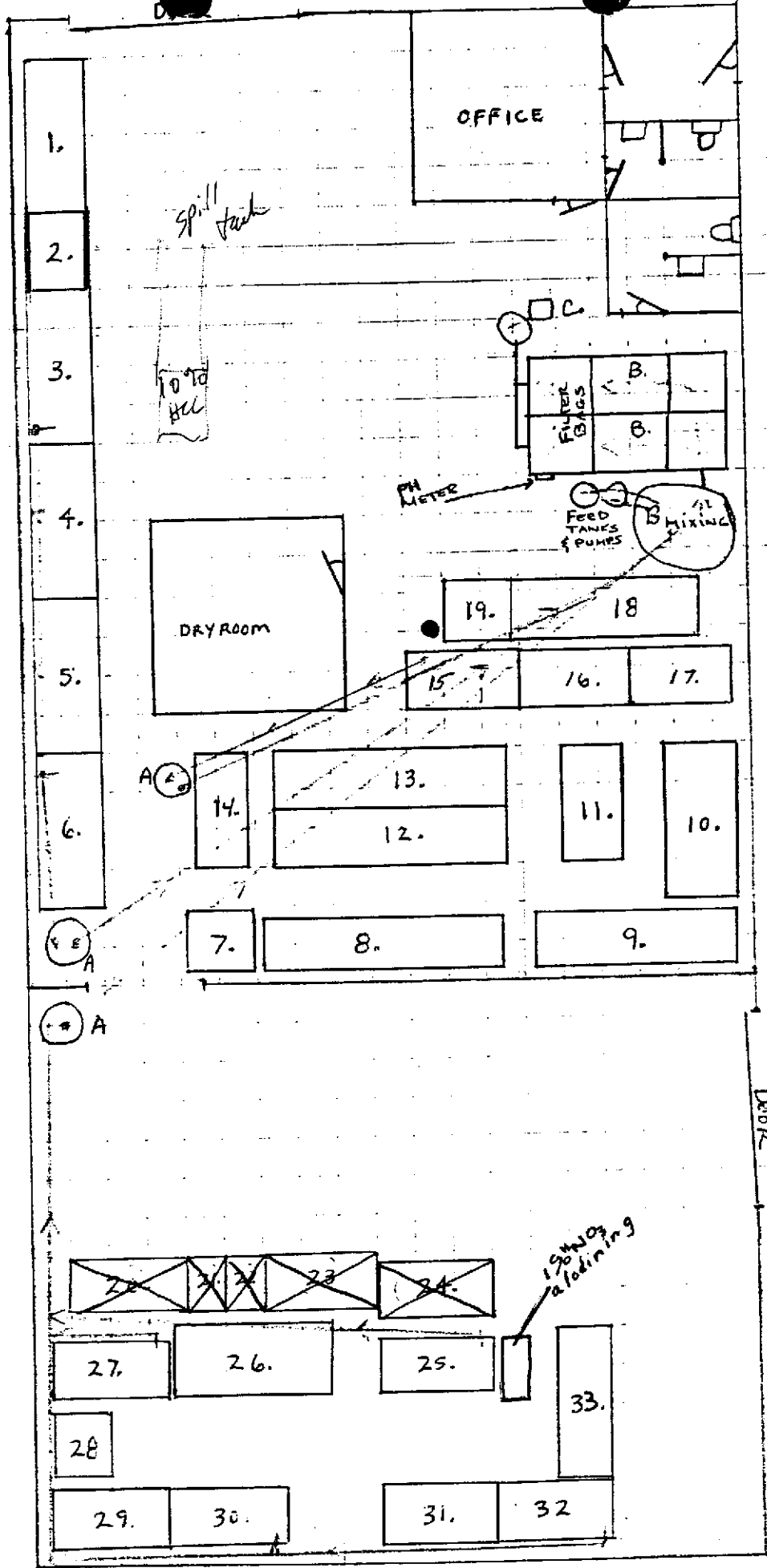
Enforcement Action Letter

- They still have not delineated the extent of contamination. They need to put in more wells ASAP, sample, then propose remediation. Meantime, it is probably appropriate for them to do interim remediation above & beyond simply bailing free product.

HAWLEY ST. →



(SCALE: 1 sq = 2 ft.)



Tank # 20-24
no longer at site

GREENS = bermed

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

June 3, 1991

Terrence A. Fox
Ultramar Inc.
P.O. Box 466
Hanford CA 93232-0466

RE: Beacon Station No. 721, 44 Lewelling Blvd., San Lorenzo
Work Plan for Continuing Subsurface Environmental Investi-
gation

Dear Mr. Fox:

I have reviewed the Work Plan submitted by Groundwater Technology, Inc. for Ultramar. The plan proposes additional down gradient monitoring wells to further investigate the extent of groundwater contamination. It also states that twice monthly, floating petroleum product will be monitored and pumped from affected wells. Also submitted was a listing of nearby offsite groundwater wells with a map of their locations.

The Work Plan is acceptable to this office. Please continue submitting quarterly reports for the site, including information on well construction and monitoring data, remediation activities carried out, and any planned or recommended investigation or remediation steps for the next quarter or quarters. Include information about storage and disposal plans for the floating product to be pumped from the wells.

You may contact me with any questions at (415)271-4320.

Sincerely,

A handwritten signature in cursive script that reads "Pamela J. Evans".

Pamela J. Evans
Hazardous Materials Specialist

c: Richard Hiett, Regional Water Quality Control Board
James Ferdinand, Eden Consolidated Fire Prevention District

REF./
A/C NO. M

COUNTY OF ALAMEDA
OFFICE OF THE AUDITOR-CONTROLLER

DATE: 3 11 91

MISCELLANEOUS RECEIPT

No 592358 PE

\$ 500.00
DOLLARS

RECEIVED FROM:	<u>ULTRAMAR INC.</u>	
	<u>525 W. THIRD ST. HANFORD, CA</u>	
FOR:	<u>BEACON #72</u>	
	<u>44 LEWELLING BLVD - SAN LORENZO 94580</u>	
RECEIVED BY:	<u>E. C. O'DON</u>	DEPT. NO.: <u>430-453</u>

CASH PERSONAL/CASHIER'S CHECK/M. O. # 543121 OTHER: _____

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RECEIVED
JAN 22 1991

91 MAR 11 AM 11: 10 DEPARTMENT OF ENVIRONMENTAL HEALTH

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

January 17, 1991

Terence A. Fox
Ultramar Inc.
P.O. Box 466
525 W. Third St.
Hanford CA 93232-0466

RE: Petroleum Fuel Contamination to Groundwater, Beacon Service
Station #721/ 44 Lewelling Blvd., San Lorenzo

Dear Mr. Fox:

Since May, 1987 onsite and offsite monitoring wells have been sampled regularly for petroleum fuel constituents. The quarterly Ground-Water Sampling reports we have received in 1990 establish that groundwater contamination has moved offsite. Monitoring wells located to the west of the property contained levels of gasoline as high as 4500 ppb at the time of the September, 1990 sampling. Additionally, free product was found in two onsite wells at that time. These findings necessitate that Ultramar undertake the following:

1. Further investigation in order to define the contaminant plume;
2. Diligent action to contain the plume and mitigate it's impact;
3. Perform a survey of all wells known to exist within .5 miles of the site. Prepare a tabular listing and area map showing well locations.

You are required to submit to this office no later than February 28, 1991, a detailed workplan that addresses the above items and that gives a timetable for completion of your investigation and the implementation of your remediation plan. A copy should also be sent to the Regional Water Quality Control Board. Any extension beyond the February 28 due date must be agreed upon in advance and confirmed in writing. In addition, you must submit a payment of \$500 to this office in order to cover agency oversight costs. You may contact me with any questions at (415)271-4320.

Sincerely,

Pamela J. Evans
Hazardous Materials Specialist

c: Richard Hiatt, Regional Water Quality Control Board
Sandy Huff, Ultramar Inc.
Robert A. Katin, Du Pont Environmental Remediation Services

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

January 17, 1991

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Ultramar Inc.
P.O. Box 466
525 W. Third St.
Hanford CA 93232-0466

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1. Further investigation in order to define the contaminant plume;
2. Diligent action to contain the plume and mitigate it's impact;
3. Perform a survey of all wells known to exist within .5 miles of the site. Prepare a tabular listing and area map showing well locations. *Problem Assessment Report (1-1989 by DuPont) T.A.F. called 1/25/91 - includes this area. He will send copy.*

You are required to submit to this office no later than February 28, 1991, a detailed workplan that addresses the above items and that gives a timetable for completion of your investigation and the implementation of your remediation plan. A copy should also be sent to the Regional Water Quality Control Board. Any extension beyond the February 28 due date must be agreed upon in advance and confirmed in writing. In addition, you must submit a payment of \$500 to this office in order to cover agency oversight costs. You may contact me with any questions at (415)271-4320.

Sincerely,

Pamela J. Evans
Hazardous Materials Specialist

c: Richard Hiatt, Regional Water Quality Control Board
Sandy Huff, Ultramar Inc.
Robert A. Katin, Du Pont Environmental Remediation Services



Conoco Inc.
P.O. Box 2197
Houston, TX 77252

October 2, 1989

TO WHOM IT MAY CONCERN:

Conoco Inc. (Kayo Oil Company) is consolidating offices and is closing the Lodi, California Environmental Office. Following a short transition period, all California and Nevada environmental matters will be handled by Mr. Gregory Fletcher from the Houston office.

Ms. Joyce Miley will be in Houston to assist in a smooth transfer of projects before acquiring sites on the east coast. Billing or invoicing questions should be directed to either Mr. Fletcher or Ms. Dawn Ghormley from the Du Pont offices in Pleasanton. Ms. Wanda Lighthiser will be available in Lodi to direct your questions until October 31, 1989.

EFFECTIVE IMMEDIATELY, please note the following changes of address:

Mr. Gregory P. Fletcher
Conoco Inc.
TR 3038
P. O. Box 4784
Houston, TX 77210
713/293-5683 or 1-800/251-7252, extension 5683

Ms. Joyce M. Miley
Conoco Inc.
TR 3040
P. O. Box 4784
Houston, TX 77210
713/293-5659 or 1-800/251-7252, extension 5659

Ms. Dawn Ghormley
Du Pont Environmental Services
7068 Koll Center Parkway, Suite 401
Pleasanton, CA 94566
415/462-7772 or 1-800/468-2122

Sincerely,

Wanda Lighthiser
Administrative Assistant
209/368-2731

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS
10/6/89 WS



Kayo Oil Company
a subsidiary of Conoco Inc.

P.O. Box 4784
Houston, TX 77210-4784

Gregory Fletcher



April 27, 1989

CALIFORNIA REGIONAL WATER

DW

MAY 01 1989

[Handwritten initials]

QUALITY CONTROL BOARD

Mr. Steven Ritchie
Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street, Room 6040
Oakland, CA 94607

RE: Conoco Inc. (Kayo Oil)
Gasoline Stations
San Francisco Bay Region

Dear Mr. Ritchie:

Enclosed is the first quarter 1989 Summary Report for our environmental cases within your region. Summary reports for individual sites have been copied to the local agency and the cleanup oversight agency for that jurisdiction.

Mr. Gregory Fletcher and myself will be acting as representatives for Conoco Inc. in the coordination of activities and communications regarding the Bay Area stations.

If you have any questions, please contact Greg or myself at the Lodi office.

Sincerely,

Lodi Office: 900 S. Cherokee Lane
Lodi, CA 95240

Joyce M. Miley

Phone: 209/368-2731

Joyce M. Miley
Coordinator - Environmental Affairs

JMM/wml

Enclosure

cc: Local Implementing Agencies

ALAMEDA COUNTY 01

Site: ~~Jet Gas~~ Station
44 Lewelling Boulevard
San Lorenzo, CA

History

Three underground fuel storage tanks were removed and replaced during the site retrofit in April 1987. Additional soil was excavated from the tank pit and the resulting 450 cubic yards were aerated on-site prior to disposal at a Class III dump. In May 1987, three ground water monitoring wells were installed and sampled by Applied GeoSystems. A ground water monitoring and sampling program of monthly for three months then quarterly was initiated in July 1987. Additional sampling intervals were August 1987, September 1987, December 1987, March 1988 and June 1988. In July 1988 the SFB RWQCB requested further delineation of the hydrocarbon plume in ground water. DuPont Biosystems installed four additional ground water monitoring wells and one deep exploratory boring in December 1988 after receiving off-site access toward the west.

1st Quarter 1989 Chronology

Pursuing off-site access for additional well(s).

March 8, 1989 - Ground water monitoring and sampling was performed.

March 3, 1989 - Reporting of December monitoring and sampling results.

Scheduled Actions 2nd Quarter 1989

Submit two reports summarizing the additional site assessment and March monitoring and sampling results.

Perform ground water monitoring and sampling in June.

4/27/89

KAYO

ALAMEDA COUNTY
HEALTH CARE SERVICES

DAVID J. KEARS AGENCY
~~XXXXXX~~ Agency Director



Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621

1. SGL
2. File

~~AGENCY HEADQUARTERS~~
~~899 RINK STREET~~
~~BERKELEY, CALIFORNIA 94702~~
(415) 271-4320

February 7, 1989

[Handwritten signature]
FEB 10 1989

QUALITY CONTROL BOARD

Mr. Mike Hansen
Kayo Oil Company
900 South Cherokee Lane
Lodi, CA 95240

RE: Jet Gas, 44 Lewellin Blvd., San Lorenzo, CA

Dear Mr. Hansen:

We have received your proposal prepared by DuPont Biosystems, dated January 24, 1989, to install two additional ground water monitoring wells, to fully define the lateral extent of the contamination at the above site. This proposal is acceptable.

If you have any questions, please contact Larry Seto, Senior Hazardous Materials Specialist, at 271-4320.

Sincerely,

Rafat A. Shahid

Rafat A. Shahid, Chief,
Hazardous Materials Program

RAS:mnc

cc: Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Agency
Regional Water Quality Control Board
Darrell S. Klingman, DuPont Biosystems
Howard Hatayama, DOHS

REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
INTERNAL MEMO

TO: File: Kayo Easo Station
44 Lewelling Blvd, San Lorenzo

FROM: Scott Hugenberger

DATE: Jan. 27 1989

SIGNATURE: Scott Hugenberger

SUBJECT: Applied Geosystems May 5 1987; Three gasoline tanks were removed. No holes observed. Soil contained up to 1136 ppm TPH. This was excavated.

Applied Geosystems, June 23 1987: Ground water encountered at 20 ft during drilling. Seabulized at 15' in wells.

	soil	Water
MW1	20' = 904 ppm	18 mg/l
MW2	20' = 41 ppm	4 mg/l
MW3	15' = 101 ppm, 20' = 9 ppm	40 mg/l

Strong product odor at 29 ft ^{to 34 ft} in B-1, None in B-2

More m-wells and cleanup needed.

ALAMEDA COUNTY
HEALTH CARE SERVICE

AGENCY
DAVID J. KEARS, Director



Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Rm. 2
Oakland, CA 94621

Telephone Number: (415) 271-4320

September 29, 1988

Mr. Mike Hansen
Kayo Oil company
900 S. Cherokee Lane
Lodi, CA 95240

RE: Jet Gas, 44 Lewelling Blvd., San Lorenzo, CA

Your proposed workplan for the above location dated, August 30, 1988, that was prepared by Alpha Consultants, Inc., has been reviewed by our office. After consultation with Ms. Lisa McCann of the Regional Water Quality Control Board, your plan has been accepted.

Although the County of Alameda is the lead agency at this time, the Regional Water Quality Control Board has responsibilities for overseeing all cases that may affect ground water. Copies of all correspondence to this office, should be submitted to RWQCB.

If you have any questions, please contact Larry Seto, Hazardous Materials Specialist, at 271-4320.

Sincerely,

Rafat A. Shahid, Chief,
Hazardous Materials Program

RAS:LS:mnc

cc: Gil Jensen, Alameda County District Attorney, Consumer & Environmental Protection Agency
Dwight Hoenig, DOHS
Darrel Klingman, Alpha Associates
Lester Feldman, RWQCB

7/27/88

8:30 am

Conversation with Joyce Miley of Kay Oil:

- I explained why letter of 7/16/88 was sent (see attached notes).
- I also briefly described technical issues: Need add'l wells, boring for DP + soil contam defenction, BU's, residual soil ^{contam} remaining.
- I emphasized Larry Seto, Al. Co. as lead + should respond to them.
- She will send workplan to us + Co. re: additional investigation.
- I sent her an example letter of ~~the~~ our latest fuel case "kick letter" to help her understand steps in investigative process better.

KAYO

Tank removal occurred 5/87

soil samples showed > 1000 ppm - gas
Attributed to overspill (altho tanks
excavation of soil had pitting +
to < 100 ppm corrosion)

* How contain soil disposal handled

A Mill recommended by consultant but
not installed

Further investigation 7/87

3 wells installed, find a west
soil samples @ 15-20' indicate
residual contamination left
behind during excavation

(B-1 + B-3 are dead end tanks
+ showed highest ppms - 904, 101)

*
Water samples @ 25' indicate
dissolved constituents (5-40 ppm)
but not FP

Sampling OW 9/87

similar concentrations detected
similar gradient slight
increase

Sampling OW 9/87

similar but decrease in gas content
water level down 1'

Sampling 10/87

similar, but increase, in contours
was well down
grad. shift to south

Sampling 2/87 + 4/87
similar

* Needed: Definition of Plume (DP)
Definition of residual soil contam.
Beneficial Use Assessment
Remediation

Reason for our letter:

- Al. Co. sent letter of 2/8/88 [which we don't have copy of] requesting add'l work.
- Kayo-Paul Taylor sent letter in response saying they were being responsive to RWQCB's guidelines, that RWQCB had jurisdiction not Al. Co.
- Our letter (it appears) was intended to be an enforcement letter supporting Al. Co. tech review that lead to requesting add'l work at site.

Explain to Kayo interagency effort, roles + the need to respond. If prob of this send another letter (fuel case format); send examples

44 Jewelling Blvd, San Lorenzo

- Depth to GW ranges from 17' - 22'

- 9 MWS ^{2,100,000} ~~2,100,000~~ MW3 - 6/90 + FP MW-1, MW3, last sampling 9/90

what do they plan to do in the way of remediation?

4/87 3 tanks removed + replaced

"soil aerated"

5/87 3 MWS installed

7/88 RWQCB requested further delineation of plume in GW

12/88 4 more wells

well	date	B	T → E	X	TPH g	FP?	
MW-1	5/87	490			13,050	.	
	3/90	1100			14,000		
	6/90	1400			7,900		.9'
	9/90	NS			NS		
MW-2	5/87	113			4870	0	
		ND			6800		
MW-3	5/87	5400			40,300	.02'	
	9/89				2,100,000		.04'
	6/90 9/90	19,000 NS			NS		.04'

MW 4 ~~12/88~~ 9/90

B T E X TPAg FP

4500 3100

← (Hovered around) →
ND + above

Ø

MW 5 12/88 3/89 9/90

ND 2.7 3.9

.23 2.7 58

.78 6.7

.92 15.

ND ND ND ND ND

Ø

MW -6 12/88 9/90

4 1.4

TPX all decrease, B+TPH decrease, then an increase

190 98

Ø

MW -7 12/88 6/90 9/90

140 730 620 (incr) 49

40 53 290 30

150 40 24 2.4

370 150 400 42

1500 580 4100 750

Ø

MW 8 9/89 9/90

ND " " " 2.3

16 " " " 16

ND " " " 22

ND " " " 26

4200 2800 2600 4600 4500

Ø

MW 9 9/89 9/90

ND ND ND ND 2.5 ND

25 " ND

Ø

EXIST

7/6/88

CONTROL REGISTER
FOR
PRIORITY CORRESPONDENCE

I. SUBJECT/ITEM: Fuel Leak Kayo Oil Co. File No. _____

II. RATIONALE/REASON FOR ACTION AND ADDITIONAL NOTES:
Soil samples and ground water samples
taken at this site during tank removal
revealed soil + ground water contamination.
This letter requests a site investigation
to define the extent of soil + ground
water pollution, and requests quarterly
reporting. It also explains that Larry Seto
of Alameda County Hazardous Materials
Management is their contact as Alameda
county is the local implementing
agency for fuel leaks in this area.

III. DRAFT PREPARATION/REVIEW/APPROVAL

PREPARED BY AHM DATE 7/6/88
REVIEWED/APPROVED BY [Signature] DATE 7/6/88
REVIEWED/APPROVED BY _____ DATE _____
REVIEWED/APPROVED BY _____ DATE _____
REVIEWED/APPROVED BY _____ DATE _____

IV. CLERICAL PROCESSING

TYPED BY _____ DATE _____
PROOFED WITH _____ DATE _____

V. ORIGINATORS FINAL REVIEW FOR COMPLETENESS & ACCURACY

BY _____ DATE _____

VI. DATE MAILED 7-6-88

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
1111 JACKSON STREET, ROOM 6040
OAKLAND 94607

Phone: Area Code 415
464-1255



RECEIVED
JUL 7 1988

HAZARDOUS MATERIALS/
WASTE PROGRAM

July 6, 1988 (GSZ)

Paul Taylor
Kayo Oil Co.
900 South Cherokee Lane
Lodi, CA 95240

RE: GROUND WATER CONTAMINATION AT 44 LEWELLING BLVD., SAN
LORENZO, ALAMEDA COUNTY

Dear Mr. Taylor,

Our office is in receipt of your consultant's most recent (April, 1988) progress report on the above site. I understand that underground tanks used for the storage of gasoline were removed from the property in April, 1987. Soil samples taken during the tank removal revealed soil contamination beneath the tanks. Additionally, monitoring wells installed and sampled subsequent to tank removal have shown that the ground water beneath the site has been contaminated by gasoline. The extent of the soil and ground water contamination is unknown.

In accordance with the Regional Board's Guidance For Addressing Fuel Leaks, a sufficient number of monitoring wells should be installed at the site to define the vertical and horizontal extent of the ground water pollution; such wells should be installed and sampled using the methods described in the Guidelines. Reports describing the status of investigation and cleanup efforts at the site should be submitted on a quarterly basis until cleanup is completed. This request is made pursuant to Section 13267(b) of the California Water Code. Failure to submit these reports, or a late response, may subject you to civil liability imposed by the Regional Board to a maximum amount of \$1000 per day.

The Alameda County Hazardous Materials Management Program is working with Regional Board staff to provide you with guidance in this case. Larry Seto is the County staff person who can assist you in complying with investigation and cleanup requirements. It is our expectation that you will cooperate fully with the guidance provided by Larry Seto. Regional Board staff will provide technical assistance and will implement enforcement proceedings, under the Water Code, should the need arise. In addition, enforcement may be implemented by the Alameda county District Attorney.

The Regional Board has the responsibility of determining whether final cleanup actions have been sufficient to protect water quality. Determination of appropriate cleanup is made in part using the State's policy on "maintaining high quality of waters in California" (enclosed).

If you have any questions, please contact Lisa McCann at (415) 464-1036.

Sincerely,



Steven R. Ritchie
Executive Officer

cc: Larry Seto
Alameda County Hazardous Materials
Management Program
80 Swan Way, Ste. 200
Oakland, CA 94621

Mark Thompson
Alameda County Office of the
District Attorney
24405 Amador St.
Hayward, CA 94544

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION

1111 JACKSON STREET, ROOM 6040

OAKLAND 94607

Phone: Area Code 415
464-1255

July 6, 1988 (GSZ)

Paul Taylor
Kayo Oil Co.
900 South Cherokee Lane
Lodi, CA 95240

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Sincerely,



Steven R. Ritchie
Executive Officer

cc: Larry Seto
Alameda County Hazardous Materials
Management Program
80 Swan Way, Ste. 200
Oakland, CA 94621

Mark Thompson
Alameda County Office of the
District Attorney
24405 Amador St.
Hayward, CA 94544

February 22, 1988

Mr. Rafat A. Shahid
Alameda County
Hazardous Materials Division
470 - 27th ST, Third Floor
Oakland, CA 94612

RE: Jet Gas
44 Lewelling BLVD
San Lorenzo, CA

Dear Mr. Shahid:

In response to your letter of February 8, 1988 requesting additional field exploration at the referenced location, it is Kayo's understanding that this site lies within the boundary of the San Francisco Bay Regional Water Quality Control Board's jurisdiction. As with all Kayo projects in this Bay Area region, when site conditions indicate that shallow groundwater has been affected by hydrocarbon constituents, the decision tree model provided in the Bay Area Water Board's document entitled "Guidelines for Addressing Fuel Leaks" is followed. In Figure 2.5 of this document (attached), when no free product is encountered and soil contamination is less than 1,000 ppm then sampling the water every six months is the appropriate action. Kayo is being more aggressive than the recommended frequency by sampling on a quarterly basis.

Once a monitoring well has been installed, it is the Bay Area Water Board's apparent task to rank this site as to its sensitivity and risk for the determination of future required actions.

Kayo has been very conscientious and cooperative about observing all environmental laws and regulations throughout the state and in Alameda County both in the past and present. However, prudent expenditure of company assets within the present scope of subsurface assessment and hydrocarbon remediation as it pertains to gasoline stations requires clear, official direction from the state regulatory community.

If you have any questions, please contact me.

Sincerely,

Paul F. Taylor

Paul F. Taylor
Coordinator - Environmental Affairs

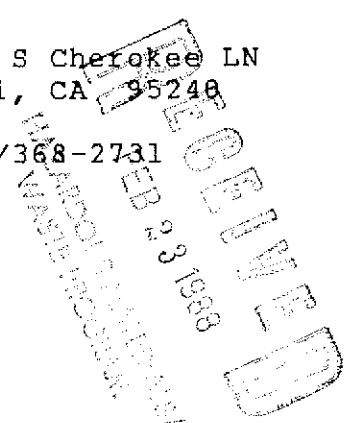
Lodi Office: 900 S Cherokee LN
Lodi, CA 95240

Phone: 209/368-2731

PFT/dg

cc: Greg Zentner - Bay Area RWQCB
J. Kelly Williamson - Kayo

Attachment



ALAMEDA COUNTY
HEALTH CARE SERVICES

DAVID J. KEARS AGENCY

~~XXXXXXXXXXXX~~ Agency Director



470-27th Street, Third Floor
Oakland, California 94612
(415) 74-7237

February 8, 1988

Mr. Paul Taylor
Kayo Oil Company
900 South Cherokee Lane
Lodi, CA 95240

RE: Jet Gas, 44 Lewelling Blvd., San Lorenzo, CA

Dear Mr. Taylor:

We have received your quarterly quantitative ground water monitoring report dated January 22, 1988. In the report, Applied GeoSystems recommended installing additional ground water monitoring wells at selected locations off-site and in the down gradient direction in order to more fully delineate the extent of ground water impact.

Please submit to our office within 30 days of the receipt of this letter, your plan.

If you have any questions, please contact Larry Seto, Hazardous Materials Specialist, at 874-7237.

Sincerely,

Rafat A. Shahid
Rafat A. Shahid, Chief,
Hazardous Materials Division

RAS:LS:mnc

cc: Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Agency
Dwight Hoenig, DOHS
Greg Zentner, RWQCB

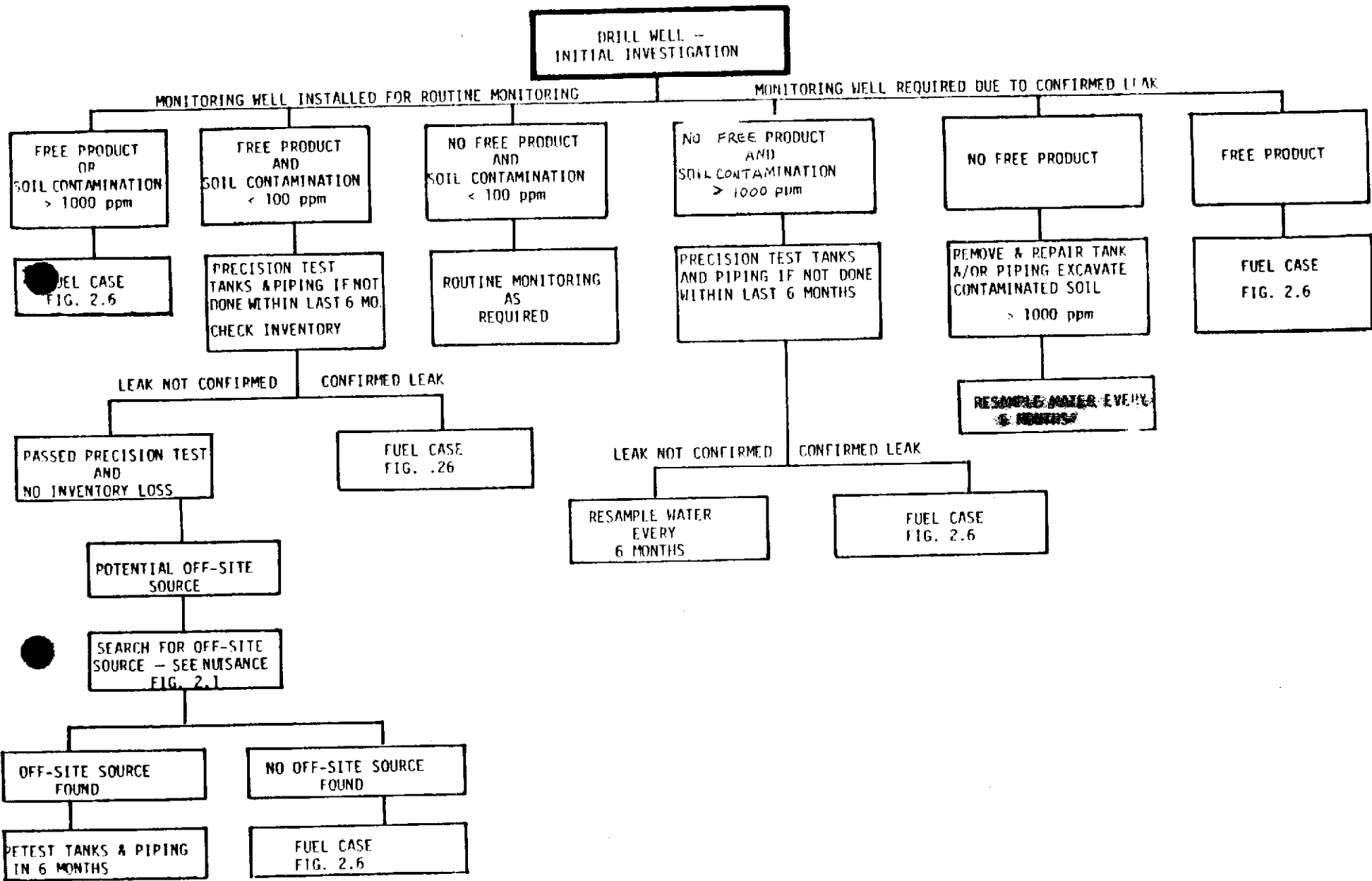


FIGURE 2.5. DRILL WELL - INITIAL INVESTIGATION



RECEIVED
SEP 10 1987

HAZARDOUS MATERIALS/
WASTE PROGRAM

August 8, 1987

Mr. Rafat A. Shahid, Chief
Hazardous Materials Division
Alameda County Health Care Services
470 - 27th ST, Third Floor
Oakland, CA 94612

RE: Fast Gas Station Jet Gas Station
 1088 Marina BLVD 44 Lewelling BLVD
 San Leandro, CA San Lorenzo, CA

Dear Mr. Shahid:

Per your letter of August 18, 1987 I am enclosing all correspondence sent to other agencies concerning the investigation and clean-up at the above referenced sites.

Should you require additional information or need further assistance, please feel free to contact me.

Regards:

Lodi Office: 900 S Cherokee LN
Lodi, CA 95240

Phone: 209/368-2731

Paul F. Taylor
Coordinator - Environmental Affairs

PFT/dg

Enclosures

July 8, 1987

Mr. Greg Zentner
Bay Area
Regional Water Quality Control Board
1111 Jackson ST, Room 6040
Oakland, CA 94607

RE: ^{Jet Co.} ~~Econo~~ Station
44 Lewelling BLVD
San Lorenzo, CA

Dear Mr. Zentner:

Enclosed for your review is a report prepared by Applied GeoSystems of a subsurface environmental investigation that was performed at the referenced location. This study was initiated after soil samples taken during the tank replacement process exceeded 100 ppm total volatile hydrocarbon.

The report's findings (Table 3) indicate that there are varying levels of hydrocarbon constituents in both the soil and groundwater. No free product was encountered or has accumulated in any of the wells. Soil sample results from the borings were, for the most part, minor and ranged from 0.6 to 904 ppm TVH. Analyses of water samples showed hydrocarbon compounds in all three wells with the highest levels noted in MW-3.

Per the Bay Area - R.W.Q.C.B. guidelines, this location will be placed on a monitoring schedule of monthly for three months and then quarterly through July, 1988. This effort will be to determine if levels of hydrocarbon components decrease or persist with time. The groundwater monitoring data will be forwarded to your office as it is made available.

In the interim, if I may be of further service, please contact me at our Lodi office.

Sincerely,

Paul F. Taylor

Paul F. Taylor
Coordinator - Environmental Affairs

Lodi Office: 900 S Cherokee LN
Lodi, CA 95240

Phone: 209/368-2731
(800) 692-7722

PFT/dg

✓cc: Larry Seto -
Alameda County Environmental Health

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**HAZARDOUS MATERIALS/
WASTE PROGRAM**



May 8, 1987

Mr. James Ferdinand
Battalion-Chief
Eden Consolidated Fire Protection District
427 Paseo Grande
San Lorenzo, CA 94580

RE: Econo Gas Station
44 Lewelling Boulevard
San Lorenzo, CA

Dear Mr. Ferdinand:

Enclosed for your records is a brief report from Applied GeoSystems presenting observations and laboratory analysis of soil samples taken in connection with the replacement of the underground storage tanks at the referenced site.

As the report states, Kayo authorized additional excavation in the area of sample S-3 because the laboratory analysis result exceeded 1000 ppm. On the recommendation of Applied GeoSystems and in accordance with the Bay Area Regional Water Quality Control Board Guidelines For Addressing Fuel Leaks, Kayo will, at a minimum, install a monitoring well to assess any impact to the site's groundwater. Your office will be kept up to date on progress towards this goal.

Also enclosed is your copy of the Unauthorized Release Report. Kayo is viewing the contamination at this site as a result of 20 plus years of overspillage to the tanks and feels that a large portion of the contamination has been mitigated by the removal of the old backfill.

If I can provide you with further information, please contact me at our Lodi Office.

Respectfully,

Lodi Office: 900 S Cherokee Lane
Lodi, CA 95240

Phone: 209/368-2731
800/692-3722

Paul F. Taylor
Coordinator - Environmental Affairs

PFT/wml

Enclosures

cc: Mr. Greg Zentner, Bay Area RWQCB

May 8, 1987

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Battalion-Chief
Eden Consolidated Fire Protection District
427 Paseo Grande
San Lorenzo, CA 94580

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Dear Mr. Ferdinand:

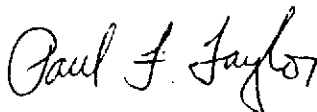
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PFT/wml

Enclosures

cc: Mr. Greg Zentner, Bay Area RWQCB
✓ Mr. Larry Seto - Alameda County Env. Health

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