

R02892



Global Gas

Jeff Cosgray  
Remediation Team Leader

**Chevron Pipe Line Company**  
4800 Fournace, Room E320C  
Bellaire, Texas 77401  
Tel 713 432 3385  
Fax 866 653 0501  
jcos@chevron.com

**Alameda County**

**MAR 03 2008**

February 28, 2008

**Environmental Health**

VIA FACSIMILE AND U.S. MAIL

Joe Naras, Watershed Manager  
San Francisco Public Utilities Commission  
1657 Rollins Road  
Burlingame, CA 94010

Re: 2793 Calaveras Road, Sunol, CA Remediation Site: Removal of Trees

Dear Mr. Naras,

This letter follows our communications over the last several months regarding the removal of the dead trees that are interfering with Chevron Pipe Line Company's ("CPL") remediation of the City and County of San Francisco's property in Sunol. The remediation is necessary because of the damage caused by someone working on behalf of a SFPUC tenant hitting our line with a motor grader and causing a spill. As you know, CPL has asked the SFPUC to remove the trees on the Property so that CPL can re-install its soil vapor extraction system as required by the Alameda County Department of Environmental Health; due to safety concerns, CPL cannot re-install the system unless the SFPUC removes the trees. In response to CPL's requests, many months ago the SFPUC stated that it would remove the trees, but that it would take some time to accomplish the removal. Recently, the County Department of Environmental Health notified CPL that it must re-install its soil vapor extraction system by May 1, 2008 and informed CPL that if it fails to meet that deadline, the County will issue a notice of violation and likely impose penalties on CPL. Consequently, there is a great urgency to remove the trees to avoid penalties and to continue remediation efforts. Please confirm that the SFPUC will remove the trees by no later than April 1, 2008. If the SFPUC needs our assistance in the tree removal, please let me know.

Sincerely

Jeff Cosgray

cc: Jerry Wickham, Alameda County Department of Environmental Health  
Mr. Gary Dowd, Director of Real Estate, SFPUC 1155 Market Street, San Francisco, CA 94102

R02892

**Wickham, Jerry, Env. Health**

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**To:** Jacob\_Henry@URSCorp.com  
**Cc:** Joe\_Morgan@URSCorp.com  
**Subject:** RE: Sunol Spill Site Letter

We recieved your January 15, 2008 correspondence and will respond.

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](mailto:jerry.wickham@acgov.org)

---

**From:** Jacob\_Henry@URSCorp.com [mailto:Jacob\_Henry@URSCorp.com]  
**Sent:** Friday, January 25, 2008 3:50 PM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Joe\_Morgan@URSCorp.com  
**Subject:** Sunol Spill Site Letter

Mr. Wickham,

I wanted to check with you to ensure that you have received the letter submitted by URS to the ACEH ftp site regarding the Chevron Pipeline Company Sunol Spill Site. CPL and URS are awaiting your response and look forward to any questions you may have. Please feel free to respond to this email or you can call Joe Morgan (510-874-3201) or myself at the number below.

Thank you-

Jacob T. Henry, R.G.  
Senior Geologist  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612-1924  
Office: 510-874-3252  
Cell: 510-926-0464  
Fax: 510-874-3268  
[jacob\\_henry@urscorp.com](mailto:jacob_henry@urscorp.com)

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1/29/2008

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

November 29, 2007

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
4800 Fournace Place  
Bellaire, TX 77401-2324

Subject: SLIC Case No. RO0002892 and Geotracker Global ID SL0600100443, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA 94586

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted documents entitled, "Additional Monitoring Well Installation Report," dated October 2007 and "Third Quarter 2007 Groundwater and Soil Vapor Extraction System Monitoring Report," dated November 15, 2007. Both documents were prepared on your behalf by URS Corporation. The "Additional Monitoring Well Installation Report," dated October 2007 describes the installation of two monitoring wells (MW-10 and MW-11) to assess the downgradient edge of the petroleum hydrocarbon plume. No groundwater was encountered in either of the two wells. The report recommends that the three proposed secondary monitoring wells not be installed at this time.

The "Third Quarter 2007 Groundwater and Soil Vapor Extraction System Monitoring Report," dated November 15, 2007 discusses third quarter groundwater monitoring results. During the third quarter of 2007, monitoring wells MW-1 and MW-9 contained measurable free product and were not sampled. Groundwater from well MW-8, which is described as monitoring the apparent hillside groundwater recharge source, contained total petroleum hydrocarbons as gasoline and benzene at concentrations of 4,200 and 470 micrograms per liter ( $\mu\text{g/L}$ ), respectively. None of the downgradient wells on the west side of Calaveras Road were sampled. The report also discussed the shutdown and discontinuation of SVE operations on August 17, 2007. As discussed in technical comment 1 below, we do not concur with the removal of the SVE system.

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

**TECHNICAL COMMENTS**

1. **Shutdown of SVE System.** The SVE system was apparently shutdown and removed from the site on August 17, 2007. We do not concur with the removal of the SVE system and discontinuation of remedial activities. The Third Quarter 2007 Groundwater and Soil Vapor Extraction System Monitoring Report cites a substantial decline in system recovery rates as a reason for discontinuing system operation. We note that the system mass removal rate decreased from a maximum of more than 120 pounds per day in December 2006 after system start-up to approximately 30 pounds per day in August 2007. A decline from the initial rate of mass removal is expected during the normal operation of an SVE system. The

initial rate of mass removal is expected during the normal operation of an SVE system. The removal of 30 pounds of petroleum hydrocarbons per day indicates residual petroleum hydrocarbons remain in place and that the system is continuing to remove mass in the source area. Moreover, the SVE well that is directly below the release (SVE-8) was disconnected from the system due to water in the well and has remained closed since November 30, 2006. Unfortunately, the SVE system was removed during the dry season when water levels are likely to be below the screen interval of SVE-8. Incorporating SVE-8 or a replacement well for SVE-8 is likely to increase the removal rate beyond 30 pounds per day. We request that you replace the SVE system and **resume SVE operations no later than January 29, 2008**. In addition, well SVE-8 or a replacement well is to be included in the system.

2. **Decommissioning of SVE Wells.** The Third Quarter 2007 Groundwater and Soil Vapor Extraction System Monitoring Report recommends "abandonment" of SVE wells at the site. As discussed in technical comment 1, we do not concur with the discontinuation of the SVE system operations. Therefore, we do not concur with the decommissioning of any SVE wells.
3. **Wells MW-10 and MW-11 and Secondary Monitoring Wells.** Groundwater was not encountered in newly installed monitoring wells MW-10 and MW-11. Wells MW-10 and MW-11 are to be gauged quarterly and sampled when sufficient groundwater is present in the wells. We concur with the recommendation to assess the need for further investigation in this area based on the results of future groundwater monitoring.
4. **Quarterly Groundwater Monitoring.** We request that you continue quarterly groundwater monitoring for the site including sampling and analytical results from the proposed additional groundwater monitoring wells. Based on sampling results to date, we have no objection to discontinuing monitoring and decommissioning wells MW-5 through MW-7. Please present results of the quarterly groundwater sampling in the monitoring reports requested below.

#### TECHNICAL REPORT REQUEST

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

- **January 29, 2008** – SVE System Start Up
- **February 20, 2008** – Quarterly SVE Operation and Groundwater Monitoring Report for the Fourth Quarter 2007
- **May 20, 2008** – Quarterly SVE Operation and Groundwater Monitoring Report for the First Quarter 2008
- **August 20, 2008** – Quarterly SVE Operation and Groundwater Monitoring Report for the Second Quarter 2008

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

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

#### ELECTRONIC SUBMITTAL OF REPORTS

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

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

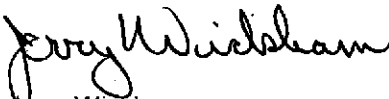
Jeff Cosgray  
RO0002892  
November 29, 2007  
Page 4

**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: Cheryl Dizon, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway,  
Livermore, CA 94551

Joe Morgan III, URS Corporation, 1333 Broadway, Suite 800  
Oakland, CA 94612

Robert Horwath, URS Corporation, 1333 Broadway, Suite 800  
Oakland, CA 94612

Joe Naras, San Francisco Public Utilities Commission, Natural Resources Division  
1657 Rollins Road, Burlingame, CA 94010

Craig Freeman, San Francisco Public Utilities Commission, Environmental and Regulatory  
Compliance Division, 1145 Market Street, Suite 500, San Francisco, CA 94103

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



F

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

August 17, 2007

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
4800 Fournace Place  
Bellaire, TX 77401-2324

Subject: SLIC Case No. RO0002892 and Geotracker Global ID SL0600100443, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA 94586

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted documents entitled, "Second Quarter 2007 Groundwater and Soil Vapor Extraction Monitoring Report," dated August 15, 2007 and "Work Plan for Additional Monitoring Well Installation," dated July 27, 2007. Both documents were prepared on your behalf by URS Corporation. The "Second Quarter 2007 Groundwater and Soil Vapor Monitoring Report," presents the results from groundwater sampling conducted in June 2007 and soil vapor extraction system monitoring conducted during the second quarter 2007. Free-phase product continues to be observed in well MW-9, which is the well farthest northwest (downgradient) from the release.

The "Work Plan for Additional Monitoring Well Installation," proposes two to five monitoring wells located north and northwest from well MW-9. The proposed scope of work is generally acceptable and may be implemented provided that the technical comments below are addressed during the proposed field investigation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to [jerry.wickham@acgov.org](mailto:jerry.wickham@acgov.org)) prior to the start of field activities.

**TECHNICAL COMMENTS**

1. **Logging of Monitoring Well Borings.** Soils are to be continuously sampled and logged in each of the monitoring well soil borings. Soil samples are to be collected for laboratory analysis within all intervals where staining, odor, or elevated photoionization readings are observed. Please present the results from well installation in the Additional Monitoring Well Installation Report requested below.

2. **Depth of Monitoring Wells.** We concur with the proposal to advance the monitoring wells to bedrock. The bottom of the well screen is to be installed a minimum of one foot below the top of bedrock in order to effectively monitor potential contaminant migration along the bedrock interface.
3. **Hydrogeologic Cross Sections.** Please use data from the additional monitoring well borings to expand the existing hydrogeologic cross sections for the site. Please present the cross sections in the Additional Monitoring Well Installation Report requested below.
4. **Quarterly Groundwater Monitoring.** We request that you continue quarterly groundwater monitoring for the site including sampling and analytical results from the proposed additional groundwater monitoring wells. We have no objection to discontinuing monitoring in wells MW-5 through MW-7 following the third quarter 2007 sampling event provided that the third quarter 2007 results are consistent with previous data. Please present results of the quarterly groundwater sampling in the monitoring reports requested below.

#### **TECHNICAL REPORT REQUEST**

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

- **November 15, 2007** – Quarterly SVE Operation and Groundwater Monitoring Report for the Third Quarter 2007
- **December 19, 2007** – Additional Monitoring Well Installation Report
- **February 15, 2008** – Quarterly SVE Operation and Groundwater Monitoring Report for the Fourth Quarter 2007

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

#### **ELECTRONIC SUBMITTAL OF REPORTS**

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

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the



Jeff Cosgray  
RO0002892  
August 17, 2007  
Page 3

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

#### PERJURY STATEMENT

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

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

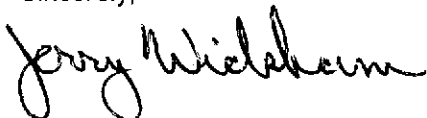
The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For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

#### AGENCY OVERSIGHT

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

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

Jeff Cosgray  
RO0002892  
August 17, 2007  
Page 4

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

Joe Morgan III  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Jacob Henry  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Joe Naras  
San Francisco Public Utilities Commission  
Natural Resources Division  
1657 Rollins Road  
Burlingame, CA 94010

Craig Freeman  
San Francisco Public Utilities Commission  
Environmental and Regulatory Compliance Division  
1145 Market Street, Suite 500  
San Francisco, CA 94103

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

R02892

**Wickham, Jerry, Env. Health**

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**To:** Joe\_Morgan@URSCorp.com  
**Cc:** Jcos@chevron.com; Jacob\_Henry@URSCorp.com  
**Subject:** RE: Chevron Sunol Reporting Date Delay Until After Our Meeting the Week of July 16, 2007

Joe,

Extending the schedule for submittal of a Work Plan for Groundwater Investigation until after a meeting during the week of July 16, 2007 is acceptable.

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](mailto:jerry.wickham@acgov.org)

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**From:** Joe\_Morgan@URSCorp.com [mailto:Joe\_Morgan@URSCorp.com]  
**Sent:** Tuesday, July 03, 2007 3:05 PM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Jcos@chevron.com; Jacob\_Henry@URSCorp.com  
**Subject:** Chevron Sunol Reporting Date Delay Until After Our Meeting the Week of July 16, 2007

Jerry, confirming our conversation, we would like to delay our report/workplan for the next round of work until after our meeting during the week of July 16, 2007. I will confirm the dates in a later email.

We would like to discuss the results of our Gore Sorber passive soil gas study and the implications for our next round of gw monitoring well placement. The Gore Sorber study results are positive but somewhat ambiguous. I will put together an agenda for the meeting.

Thanks for your assistance. Joe Morgan

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Telephone - 510-874-3201  
Fax - 510-874-3268

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7/3/2007

Chevron Pipe Line Company  
P.O. Box 9034  
Concord CA 94524

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COMPANY NO: 0369  
MAIL STOP:



202892

ENVIRONMENTAL HEALTH  
FINANCE

2007 MAY -3 PM 3:34

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PG 1 OF 1

ALAMEDA COUNTY  
ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 HARBOR BAY PKWY STE 250  
ALAMEDA CA 94502-6540

DIRECT INQUIRES TO: P.O. Box 9034 Concord, CA 94524-1934  
PHONE CONTACT: 925 842-5696 FAX CONTACT: 925 680-3706

INVOICE DATE	INVOICE #.	DESCRIPTION	GROSS AMT.	DISC. AMT.	NET AMT.
04/26/2007	070426ALA	0019167930 SLIC; 2793 CLAVARES ROAD, SUNOL, CA; AR#0314746	\$3,000.00		\$3,000.00
TOTAL			\$3,000.00	\$0.00	\$3,000.00



Chevron Pipe Line Company

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS

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P.O. Box 9034  
Concord CA 94524

93-516 No. 0021208341  
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05/01/2007

PAY TO THE  
ORDER OF

ALAMEDA COUNTY  
ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 HARBOR BAY PKWY STE 250  
ALAMEDA CA 94502-6540

\$\$\$\$\$\$\$\$\$\$\$3,000.00

NOT VALID AFTER 1 YEAR

**Chevron**

AUTHORIZED SIGNATURE

Three Thousand and 00/100 Dollars

WELLS FARGO BANK MONTANA, N.A.  
404 WEST BROADWAY, LEWISTOWN, MT 59457

⑈0021208341⑈ ⑆092905168⑆ 4990004722⑈

**Wickham, Jerry, Env. Health**

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**From:** Wickham, Jerry, Env. Health  
**Sent:** Thursday, April 26, 2007 1:19 PM  
**To:** 'Greg\_White@URSCorp.com'  
**Cc:** Angela\_Liang@URSCorp.com; Joe\_Morgan@URSCorp.com; Jacob\_Henry@URSCorp.com; JCOS@chevron.com  
**Subject:** RO02892 Chevron Sunol Pipeline - Clarification on Technical Report Request

Greg,

The proposed dates and contents listed below for the scheduled reports on case RO2892 are approved to replace those in my April 10, 2007 correspondence.

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](mailto:jerry.wickham@acgov.org)

---

**From:** Greg\_White@URSCorp.com [mailto:Greg\_White@URSCorp.com]  
**Sent:** Thursday, April 26, 2007 11:49 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Angela\_Liang@URSCorp.com; Joe\_Morgan@URSCorp.com; Jacob\_Henry@URSCorp.com; JCOS@chevron.com  
**Subject:** Chevron Sunol Pipeline - Clarification on Technical Report Request

Jerry, per our phone conversation earlier today I am writing this email to confirm that URS will submit the following technical reports by the dates indicated. These reporting requirements are intended to replace those included in your April 10, 2007 letter to Chevron.

**May 15, 2007 - Quarterly Groundwater Monitoring Report for the First Quarter 2007**

(This report will not include Quarterly SVE Results for Q1 2007 because SVE operation from November 28, 2006 to March 1, 2007 was covered in URS' Quarterly SVE Operation and Monitoring Report submitted on March 9, 2007. The SVE operation for March will be included along with the second quarter SVE operation results which will be submitted on August 15, 2007.)

**July 10, 2007 - Work Plan for Monitoring Well Installation**

**August 15, 2007 - Quarterly SVE Operation and Groundwater Monitoring Report for the Second Quarter 2007**

If you have any questions please feel free to call me at 510-874-3247. If these changes are acceptable please email me with your concurrence.

Regards,  
Greg

Greg White  
Geologist  
URS Corporation

4/26/2007

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

April 10, 2007

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
4800 Fournace Place  
Bellaire, TX 77401-2324

Subject: SLIC Case No. RO0002892 and Geotracker Global ID SL0600100443, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA 94586

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted reports entitled, "Fourth Quarter 2006 Groundwater Monitoring Report," dated February 12, 2007 and "Work Plan for Additional Site Characterization," dated March 16, 2007. Both reports were prepared on your behalf by URS Corporation. The "Fourth Quarter 2006 Groundwater Monitoring Report," presents the results from groundwater sampling conducted in November 2006. Free-phase product continues to be observed in well MW-9, which is the well farthest northwest (downgradient) from the release. ACEH previously requested in our January 17, 2007 correspondence that you submit a Work Plan for additional investigation of the downgradient extent of contamination beyond well MW-9.

The "Work Plan for Additional Characterization," proposes collecting additional subsurface information prior to installing additional monitoring wells. URS recommends collecting soil vapor data using GORE™ modules within an area north of well MW-9 bordering Calaveras Road. These data would be collected prior to installing additional monitoring wells.

We have no objection to conducting additional investigation to help select locations for additional monitoring wells. However, it is not clear that the use of passive soil vapor sampling probes such as those proposed will be successful in helping to delineate the extent of dissolved phase contamination. Therefore, you may wish to test the effectiveness of the proposed method within a smaller area that includes well MW-9 prior to collecting data over the much larger area proposed. If the technique is not able to detect volatile fuel components in the area of well MW-9 then extending the investigation 1,000 feet to the north is not likely to be effective. We request that you submit a Work Plan for installing additional monitoring wells **by July 10, 2007**, which should provide sufficient time to conduct two phases of passive soil vapor sampling to potentially help locate the wells.

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

### **TECHNICAL COMMENTS**

1. **Proposed Survey Area.** As discussed above, we recommend that you implement the proposed passive soil vapor sampling over a smaller test area that includes well MW-9 prior to implementing soil vapor sampling over the proposed area extending 1,000 feet to the north northwest. If the use of GORE™ modules within a test area appears successful in characterizing the contaminant plume, the technique could be extended into a larger area north and west of well MW-9. The results of the passive soil vapor sampling are to be presented in the Work Plan for Monitoring Well Installation requested below.
2. **Potential Discharge to Unnamed Creek and Alameda Creek.** The sampling location for the unnamed creek is to be moved to a new location northwest of well MW-9 where the creek flows into the floodplain. Please show the sampling location for the unnamed creek on a detailed topographic map in the Quarterly SVE Operation and Groundwater Monitoring Report for the First Quarter 2007. ACEH will provide technical comments as necessary on the new location following receipt of the quarterly monitoring report.
3. **Quarterly Groundwater Monitoring.** Please continue quarterly groundwater monitoring from the existing wells and a surface water location as discussed in technical comment 2. The recommendation to eliminate groundwater sampling from wells MW-3 and MW-4 during periods when the wells are not hydraulically connected with the unconfined water-bearing zone is acceptable. The use of a sorbent boom in well MW-9 as an alternative to manual free product removal is also acceptable. Please present results of the quarterly groundwater sampling in the monitoring reports requested below.
4. **Operation of SVE System.** We request that you present results from operation and monitoring of the SVE system on a quarterly basis in the 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 15, 2007** – Quarterly SVE Operation and Groundwater Monitoring Report for the First Quarter 2007
- **July 10, 2007** – Work Plan for Monitoring Well Installation
- **August 15, 2007** – Quarterly SVE Operation and Groundwater Monitoring Report for the Second Quarter 2007

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

#### ELECTRONIC SUBMITTAL OF REPORTS

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

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

#### AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety

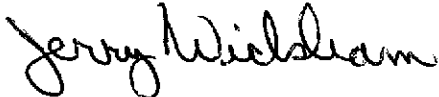


Jeff Cosgray  
RO0002892  
April 10, 2007  
Page 4

Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

Joe Morgan III  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Hanchih Angela Liang  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Joe Naras  
San Francisco Public Utilities Commission  
Natural Resources Division  
1657 Rollins Road  
Burlingame, CA 94010

Craig Freeman  
San Francisco Public Utilities Commission  
Environmental and Regulatory Compliance Division  
1145 Market Street, Suite 500  
San Francisco, CA 94103

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



F

ENVIRONMENTAL HEALTH SERVICES

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

January 17, 2007

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
4800 Fournace Place  
Bellaire, TX 77401-2324

Subject: SLIC Case No. RO0002892, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the reports entitled, "Additional Groundwater Monitoring Well Installation and Third Quarter 2006 Groundwater Monitoring Report," dated December 4, 2006 and "Soil Vapor Extraction System Start-Up Report," dated December 19, 2006. Both reports were prepared on your behalf by URS Corporation. The "Additional Groundwater Monitoring Well Installation and Third Quarter 2006 Groundwater Monitoring Report," presents the results from installation of two monitoring wells and analytical results from groundwater sampling conducted in August 2006. Groundwater monitoring well MW-8 was installed to monitor contaminant migration through a gravel layer above bedrock on the east side of Calaveras Road. Fuel hydrocarbons were detected at elevated concentrations in soil samples collected from the well boring and in the initial groundwater sample collected from MW-8. Well MW-9 was installed north of existing monitoring wells at the site to help evaluate the downgradient extent of contamination. Free-phase product was observed in well MW-9; therefore, the downgradient extent of dissolved phase contamination has not been determined. We request that you address the technical comments below and submit a Work Plan for additional investigation of the downgradient extent of contamination.

The "Soil Vapor Extraction System Start-Up Report," presents the results from installation of five additional soil vapor extraction (SVE) wells, soil sampling results, SVE start up, SVE system monitoring, and initial mass removal calculations. From system start up on November 28, 2006 to December 8, 2006, the system removed an estimated 920 pounds of hydrocarbons. Well SVE-8, which is located on the hillside slope is not operational due to groundwater in SVE-8. ACEH appreciates the efforts by Chevron Pipe Line Company to install the additional SVE wells on the steep hillside below the fuel release.

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

**TECHNICAL COMMENTS**

1. **Downgradient Extent of Contamination and Potential Discharge to Unnamed Creek and Alameda Creek.** Free-phase product is present in well MW-9, which is located approximately 160 feet west northwest of the release location. The purpose of well MW-9

was to assess the downgradient extent of dissolved phase contamination. Based on these results, please present plans in the Work Plan requested below to fully define the extent of free-phase product and the downgradient extent of dissolved phase groundwater contamination.

2. **Potential Discharge to Unnamed Creek and Alameda Creek.** We concur with the proposal to move the sampling location for the unnamed creek to a new location northwest of well MW-9 where the creek flows into the floodplain. Please implement this recommendation during the next quarterly groundwater monitoring. The location of the sampling location for the unnamed creek is to be shown on a detailed topographic map in the next quarterly monitoring report. ACEH will provide technical comments as necessary on the new location following receipt of the quarterly monitoring report.
3. **Conclusions Regarding Unconfined Groundwater at Well MW-8.** The fourth bulleted conclusion in the "Additional Groundwater Monitoring Well Installation and Third Quarter 2006 Groundwater Monitoring Report," regarding unconfined groundwater at well MW-8 indicates that, "the hillside appears to act as a recharge source for the nursery unconfined water-bearing zone." The conclusion goes on to state that, "the presence of groundwater at MW-8, within unconsolidated soils above the sandstone bedrock contact, supports URS' previous hypothesis that groundwater from the hillside acts as a preferential pathway for groundwater transport (URS 2006d)." We assume that the conclusion meant to state that the gravel layer is a preferential pathway for groundwater rather than groundwater acts as a preferential pathway for groundwater. However, this conclusion does not appear to be consistent with previous conclusions and recommendations by URS. Please note that URS submitted correspondence entitled, "Response to ACEH June 5, 2006 Letter – Technical Comment 1. Gravel Layer as Preferential Pathway," dated July 7, 2006, which objected to the installation of well MW-8 and indicated that, "the gravel zone in this area is part of the unsaturated zone rather than a saturated zone migration pathway, nor would wells in this location aid in further understanding of TPH migration or extent because it is in the middle of the impacted and migration pathway area that has already been investigated." The observation of groundwater within the gravel zone does not appear to be consistent with an unsaturated zone. Furthermore, the detection of elevated concentrations of fuel hydrocarbons in groundwater within a saturated preferential pathway does provide useful information to assess the ongoing transport of fuel hydrocarbons from the hillside to the unconfined groundwater west of Calaveras Road. Please revise your evaluation of groundwater flow through the gravel layer and propose any additional investigation or well installation that may be required in the Work Plan requested below.
4. **Quarterly Groundwater Monitoring.** Please continue quarterly groundwater monitoring from the existing wells and a surface water location as discussed in technical comment 2. Since ethanol and methanol have not been detected in results to date, you may discontinue analysis for ethanol and methanol in future groundwater monitoring. The "Additional Groundwater Monitoring Well Installation and Third Quarter 2006 Groundwater Monitoring Report," recommends continuing analysis for geochemical indicators. Please note that ACEH has not requested that you conduct analysis for geochemical indicators. The purpose of analyzing for geochemical indicators is not clear given the groundwater monitoring well network for the site. Wells MWS-1 and MW-9 have free product; well MW-2 appears to be upgradient of the groundwater contamination; wells MW-3 and MW-4 do not appear to sample formation water; and wells MW-5, -6, and -7 monitor the confined bedrock aquifer.

None of these wells appear to effectively monitor a dissolved phase plume in the unconfined aquifer. Only well MW-8, which is directly downslope from the release and contains groundwater with 18,000 micrograms per liter of TPH as gasoline appears to monitor dissolved phase concentrations in the unconfined aquifer. Please describe the rationale for continued monitoring of geochemical indicators. Please present results of the quarterly groundwater sampling in the monitoring reports requested below.

5. **Operation of SVE System.** We concur with the recommendation to monitor the operation of the SVE system. We request that you present results from the SVE system monitoring on a quarterly basis in the 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, 2007** – Quarterly Groundwater Monitoring Report for the Fourth Quarter 2007
- **March 19, 2007** – Work Plan for Site Characterization
- **March 20, 2007** – Quarterly SVE Operation and Monitoring Report
- **May 15, 2007** – Quarterly Groundwater Monitoring Report for the First Quarter 2007
- **June 20, 2007** – Quarterly SVE Operation and Monitoring Report

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

#### **ELECTRONIC SUBMITTAL OF REPORTS**

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

#### 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

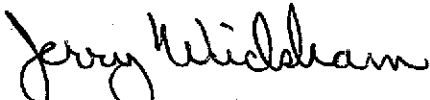
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#### AGENCY OVERSIGHT

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

Jeff Cosgray  
January 17, 2007  
Page 5

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

Joe Morgan III  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Hanchih Angela Liang  
URS Corporation  
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Joe Naras  
San Francisco Public Utilities Commission  
Natural Resources Division  
1657 Rollins Road  
Burlingame, CA 94010

Craig Freeman  
San Francisco Public Utilities Commission  
Environmental and Regulatory Compliance Division  
1145 Market Street, Suite 500  
San Francisco, CA 94103

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

October 20, 2006

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
4800 Fournace Place  
Bellaire, TX 77401-2324

Subject: SLIC Case No. [REDACTED] Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the document entitled, "Update on Monitoring Well Installation and SVE System Expansion and Operation, Chevron Sunol Pipeline, Sunol, California," dated October 16, 2006. The correspondence was prepared on your behalf by URS Corporation and provides information on the installation of two groundwater monitoring wells and proposed installation of five soil vapor extraction (SVE) wells. Thank you for providing the status update. Groundwater monitoring wells MW-8 and MW-9 were installed in August 2006 and sampling of the two additional wells will be incorporated into the quarterly monitoring events.

The correspondence describes in detail the efforts that have been made to install SVE wells on the steep hillside near the release where the highest PID readings were observed in the subsurface. URS concludes that drilling equipment cannot be used to install the SVE wells safely and proposes making minor modifications to the hillside and installing the SVE wells using a hand auger. We have no objection to the installation of SVE wells using a hand auger provided that the borings for the SVE wells are a minimum of 4 inches in diameter and the borings are installed to a sufficient depth to achieve effective contaminant removal and avoid short circuiting with the surface.

Based upon your request for a schedule extension and the time required to review and assess the various methods for SVE well installation, the schedule for submittal of the SVE System Start-up Report is extended to December 29, 2006. We request that you complete the proposed work and send us the reports described below.

**TECHNICAL REPORT REQUEST**

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

- **December 4, 2006** – Groundwater Monitoring Well Installation and Quarterly Monitoring Report for the Third Quarter 2006
- **December 29, 2006** – SVE System Start-up Report

- **60 days following the end of each quarter** – Quarterly Monitoring Reports

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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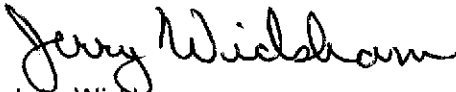


**AGENCY OVERSIGHT**

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

Joe Morgan III  
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1333 Broadway, Suite 800  
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1657 Rollins Road  
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Environmental and Regulatory Compliance Division  
1145 Market Street, Suite 500  
San Francisco, CA 94103

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

August 18, 2006

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082-6696

Subject: SLIC Case # 0314746, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA

Dear Mr. Cosgray:

Our records indicate that the current balance on the above-referenced SLIC oversight account is a negative \$930.60. In order to continue to provide regulatory oversight, we are requesting the submittal of a check made payable to Alameda County Environmental Health in the amount of \$3,000.00. Please send your check to the attention of our Finance Department.

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

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

Please write "SLIC" (the type of project), the site address, and AR# 0314746 on your check.

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

Sincerely,

  
Ariu Levi  
Division Chief

cc: D. Drogos, J. Jacobs, Jerry Wickham

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



7

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

July 27, 2006

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
4800 Fournace Place  
Bellaire, TX 77401-2324

Subject: SLIC Case No. ~~200600002~~, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA  
– Work Plan Approval

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the document entitled, "Work Plan for Groundwater Monitoring Well Installation and SVE System Expansion and Operation," dated July 26, 2006 and received by ACEH on July 27, 2006. The Work Plan was prepared on your behalf by URS Corporation and proposed the installation of two additional groundwater monitoring wells, installation of five additional SVE wells on the hillside adjacent to the release, continued operation of the SVE system, developing SVE shutdown criteria, and assessing SVE system effectiveness. We concur with the proposed scope of work presented in the Work Plan.

We request that you perform the proposed work and send us the reports described below.

**TECHNICAL REPORT REQUEST**

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

- **August 15, 2006** – Quarterly Monitoring Report for the Second Quarter 2006
- **October 27, 2006** – SVE System Start-up Report
- **December 4, 2006** – Groundwater Monitoring Well Installation and Quarterly Monitoring 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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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.

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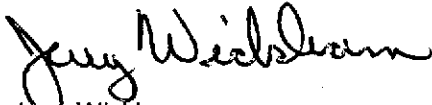
#### AGENCY OVERSIGHT

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Jeff Cosgray  
July 27, 2006  
Page 3

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: Joe Morgan III, URS Corporation, 1333 Broadway, Suite 800, Oakland, CA 94612

Joe Naras, San Francisco Public Utilities Commission, Natural Resources Division,  
1657 Rollins Road, Burlingame, CA 94010

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

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

July 14, 2006

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
4800 Fournace Place  
Bellaire, TX 77401-2324

Subject: SLIC Case No. ~~RC00000002~~ Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the document entitled, "Response to ACEH June 5, 2006 Letter – Technical comment 1. Gravel layer as Preferential Pathway," dated July 10, 2006. The correspondence was prepared on your behalf by URS Corporation and recommends that monitoring wells not be installed within the shallow gravel zone along Calaveras Road. The technical comments below provide our responses to the correspondence.

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

**TECHNICAL COMMENTS**

- 1. Hypothesis Regarding Groundwater in the Gravel Layer.** The URS correspondence concludes that since groundwater was not observed at the time of drilling in January that groundwater would not be present in the future to collect a representative sample and goes on to conclude that "groundwater appears to be present for very limited periods of time, if at all." The two hypotheses that groundwater is: 1) present at very limited times or 2) not at all, could be tested by the installation of a well in the gravel layer. If groundwater is observed in the gravel layer for short periods during the year, the hypothesis that groundwater is present at very limited times would be confirmed and the mass of contaminants being transported through the migration pathway could be roughly estimated based on the duration of flow and concentration of hydrocarbons in the groundwater. If groundwater is not observed at any time in a well in the gravel layer, the hypothesis that groundwater is not present "at all" would be confirmed. If groundwater never moved through the gravel layer, the observed impact to the gravel layer is likely the result of free phase product flow that affected approximately three feet of the gravel layer above the bedrock (as observed in boring MW-5). This information would also be useful in understanding past and future contaminant migration.
- 2. Benefit from Monitoring Groundwater East of Well MW-1.** The URS correspondence states, "Because the locations of the requested borings/wells are between the source area and MW-1 (located approximately 80 feet to the west), it is unclear if any benefit would be gained in monitoring a zone that lies in the middle of the impacted area." This statement appears to be contradictory to widely accepted guidance documents on placement of

monitoring wells at hazardous waste sites, which recommend the placement of wells within a plume or directly downgradient from a source to identify the distribution of contaminant concentrations and monitor contaminant flux from the source area. Well MW-1 is approximately 185 feet west of the source and on the opposite side of a postulated fault from the source. The proposal to monitor the source using only data from well MW-1 is unacceptable.

3. **Requested Groundwater Monitoring Well Installation for Gravel Layer.** We request that you install a minimum of one well (adjacent to MW-5) to monitor the gravel layer above bedrock to address technical comments 1 and 2 or propose an alternative approach to monitor and estimate contaminant flux from the source area to groundwater using sampling locations in addition to well MW-1. Please note the additional request in our June 8, 2006 correspondence to monitor contaminant migration in groundwater along the sloping bedrock surface west of Calaveras Road. Please present your proposals in the Work Plan requested below.

#### TECHNICAL REPORT REQUEST

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

- **July 26, 2006** – Proposal for SVE System Expansion and Operation
- **August 11, 2006** – Work Plan for Additional Subsurface Investigation
- **August 15, 2006** – Quarterly Monitoring Report for the Second Quarter 2006

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

#### ELECTRONIC SUBMITTAL OF REPORTS

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

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

#### PERJURY STATEMENT

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

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

#### AGENCY OVERSIGHT

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

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions



Jeff Cosgray  
July 14, 2006  
Page 4

cc: Joe Morgan III, URS Corporation, 1333 Broadway, Suite 800, Oakland, CA 94612

Joe Naras, San Francisco Public Utilities Commission, Natural Resources Division,  
1657 Rollins Road, Burlingame, CA 94010

Matt Katen, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway,  
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June 5, 2006

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
4800 Fournace Place  
Bellaire, TX 77401-2324

Subject: SLIC Case No. ~~RD00062892~~, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the document entitled, "Additional Subsurface Investigation Report, Chevron Sunol Pipeline Release, Sunol, California," dated May 22, 2006. The report was prepared on your behalf by URS Corporation and discusses site investigation activities conducted from January 17 through January 31, 2006. The report presents recommendations regarding the operation of the soil vapor extraction (SVE) system, quarterly monitoring, and free product recovery. In correspondence dated March 14, 2006, ACEH requested that the SVE system be expanded into the area downslope from the release. Logistical issues related to the steepness of the hillside have prevented the installation of SVE wells on the hillside. The issues related to possible expansion of the SVE system were discussed during a meeting conducted on May 26, 2006 between Jeff Cosgray (Chevron Pipe Line Company), Joe Morgan (URS), Greg White (URS), Angela Liang (URS), Ariu Levi (ACEH), Donna Drogos (ACEH), and myself. ACEH believes that continued operation of the SVE system without the addition of SVE wells on the hillside would not address a significant long-term source of contamination at the site. Based on discussions during the May 26, 2006 meeting, Chevron and URS will conduct further evaluation of the feasibility of potential technologies that will allow the installation of SVE wells on the slope.

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

**TECHNICAL COMMENTS**

1. **Gravel Layer as Preferential Pathway.** ACEH concurs with the finding in Section 4 of the "Additional Subsurface Investigation Report," that the gravel zone near the top of the bedrock on the hillside and apparently continuing to the west across Calaveras Road, is a preferential pathway. The gravel zone appears to be a preferential pathway for contaminant movement from perched zones beneath the hillside to the shallow gravel zone west of Calaveras Road where free product has been observed intermittently in well MW-1. Monitoring wells MW-5 through MW-7, which were planned to monitor the water table at the top of the bedrock, were screened entirely within sandstone bedrock 10 to 15 feet below the gravel zone and therefore do not monitor this preferential pathway. Although groundwater was not encountered in the gravel layer during installation of wells MW-5 through MW-7, the gravel layer appears to act as a preferential pathway for groundwater and contaminant migration, at least seasonally. In

- order to monitor potential contaminant migration within the gravel layer, we request that monitoring wells be installed within the gravel layer at the base of the hillside east of Calaveras Road. Please present plans for well installation in the Work Plan requested below. Please also consider the potential for the fault/unconformity identified along Calaveras Road to affect groundwater and contaminant movement.
2. **Groundwater and Contaminant Migration West of Calaveras Road.** The "Additional Subsurface Investigation Report," concludes that groundwater contamination does not extend as far west as MW-3 and MW-4. We concur that wells MW-3 and MW-4 appear to be properly installed to monitor groundwater contamination at the top of the bedrock and that groundwater contamination does not appear to extend west to these wells. A bedrock surface that slopes to the east and northeast in this area is presumed to be influencing groundwater movement within the unconfined water-bearing zone west of Calaveras Road (Figure 10). Therefore, we request that you install a minimum of one additional monitoring well in a location northeast of MW-1 on the west side of Calaveras Road to monitor contaminant movement along the sloping bedrock surface.
  3. **Cross Section D-D' on Figure 7.** On cross section D-D', please correct the length of the screen interval for MW-5 to 10 feet rather than 25 feet in future reports. In addition, please correct the label in the upper left corner to D rather than D'.
  4. **Quarterly Groundwater Monitoring.** Please collect groundwater samples from all monitoring wells and the unnamed creek on a quarterly basis. We concur with the proposed analyses for total petroleum hydrocarbons as gasoline and benzene, toluene, ethylbenzene, and xylenes.
  5. **Expansion of the SVE System.** We have no objection to continued operation of the existing SVE system. However, as we stated in our March 14, 2006 correspondence, the area downslope of the release has been significantly affected by the release and the SVE system must be expanded to remove the mass of hydrocarbons downslope from the release. We previously requested a Work Plan by May 2, 2006 to install additional SVE wells downslope from the release and continue operations of the SVE system. In follow-up to the discussions during our May 26, 2006 meeting, we now request that you submit a proposal to expand the SVE system by July 26, 2006.

#### **TECHNICAL REPORT REQUEST**

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

- **July 14, 2006** – Proposal for SVE System Expansion and Operation
- **August 11, 2006** – Work Plan for Additional Subsurface Investigation
- **August 15, 2006** – Quarterly Monitoring Report for the Second Quarter 2006

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

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

#### ELECTRONIC SUBMITTAL OF REPORTS

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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.

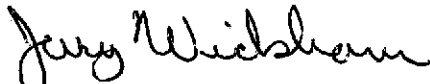
Jeff Cosgray  
June 5, 2006  
Page 4

**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: Joe Morgan III, URS Corporation, 1333 Broadway, Suite 800, Oakland, CA 94612

Joe Naras, San Francisco Public Utilities Commission, Natural Resources Division,  
1657 Rollins Road, Burlingame, CA 94010

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ALAMEDA COUNTY  
HEALTH CARE SERVICES

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DAVID J. KEARS, Agency Director



7

ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
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FAX (510) 337-9335

May 9, 2006

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
4800 Fournace Place  
Bellaire, TX 77401-2324

Subject: SLIC Case No. [REDACTED] Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including a memorandum entitled, "Re: SLIC Case No. RO0002892, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA" dated April 18, 2006 and received by ACEH on May 4, 2006. The memorandum was prepared on your behalf by URS Corporation and discusses the feasibility of installing soil vapor extraction (SVE) wells on the hillside downslope from the release location. Due to technical difficulties and safety concerns, the memorandum concludes that it is not feasible to install one or more new SVE wells on the hillside downslope from the release location.

The alternative options for installing SVE wells discussed in the memorandum appear to be rejected by URS based on a cursory analysis. Therefore, we request that you provide an independent engineering evaluation of the feasibility of installing SVE wells on the steep hillside. The independent engineering evaluation is to be performed by a professional engineer outside the current project team who is familiar with limited access drilling methods. The evaluation is to provide a more in-depth discussion of alternatives than contained in the URS memorandum and is to address the technical comments below.

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

**TECHNICAL COMMENTS**

1. **Horizontal Drilling.** Horizontal drilling appears to be rejected because drilling horizontally from Calaveras Road would not allow the advancement of a boring close enough to boring CP-SB-19 and construction of a sand pack would be difficult due to borehole collapse. Site maps indicate that boring CP-SB-19 is approximately 50 feet from Calaveras Road. It is not clear why a horizontal well at the site would be limited to a length of less than 50 feet from Calaveras Road and why borehole collapse would prevent construction of a horizontal well at the site. Please address these issues in your independent engineering evaluation. In addition, please discuss the potential for horizontal drilling from the road at the top of the slope, which was not considered in the memorandum.

2. **Limited Access Vertical Drilling.** URS does not recommend vertical access drilling based on safety concerns. The memorandum appears to consider a location in the steepest part of the slope in the area of boring CP-SB-19. Please review any alternate locations that are more feasible and provide an analysis of safety concerns for limited access vertical drilling in your independent engineering evaluation. Please see comment 4 regarding the steepness of the slope.
3. **SVE Trench Installation.** The URS memorandum indicates that a backhoe could not be staged on the dirt road, "to dig a long and deep enough trench to accommodate an effective SVE removal effort." Damage to reseeding efforts and potential damage to the buried pipeline were also cited as reasons that trenching was not feasible. Given the current limited configuration of SVE wells on the road, this analysis is insufficient. Please expand the analysis of the potential for SVE trench installation in the independent engineering evaluation.
4. **Percent Slope.** The memorandum indicates that the hillside below the pipeline release is an 84-percent slope. Cross section A-A' (URS, December 15, 2005) indicates that the hillside downslope from the release has a rise of approximately 54 feet over a distance of approximately 100 feet. In your independent engineering evaluation, please comment on the accuracy of citing an 84-percent slope for the site.

#### **TECHNICAL REPORT REQUEST**

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

- **May 22, 2006** – Additional Subsurface Investigation Report
- **July 9, 2006** – Independent Engineering Evaluation of the Feasibility of Installing SVE Wells Downslope from the Pipeline Release
- **August 15, 2006** – Quarterly Monitoring Report for the Second Quarter 2006

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

#### **ELECTRONIC SUBMITTAL OF REPORTS**

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

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#### AGENCY OVERSIGHT

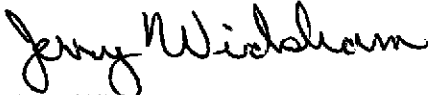
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Jeff Cosgray  
May 9, 2006  
Page 4

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Joe Morgan III, URS Corporation, 1333 Broadway, Suite 800, Oakland, CA 94612

Joe Naras, San Francisco Public Utilities Commission, Natural Resources Division,  
1657 Rollins Road, Burlingame, CA 94010

Matt Katen, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway,  
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ALAMEDA COUNTY  
HEALTH CARE SERVICES

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2

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

March 14, 2006

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082-6696

Subject: SLIC Case No. F [REDACTED] Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the document entitled, "Interim Remediation Report, Soil Vapor Extraction System for the Chevron Pipe Line Release Location, Sunol, California," dated February 28, 2006 and received by ACEH on March 6, 2006. The report was prepared on your behalf by URS Corporation and discusses the design and operation a soil vapor extract (SVE) system and the sampling results for the system. The report also presents recommendations to operate the SVE system for an additional two months. Based on the fuel hydrocarbon mass removal achieved using the SVE technology, ACEH concurs with the recommendation to continue operation of the SVE system. As discussed in technical comment 1 below, ACEH requests that the system be expanded into the area downslope from the release. Please submit a Work Plan to expand the SVE system and continue SVE operations **by May 10, 2006**.

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

**TECHNICAL COMMENTS**

1. **Expansion of the SVE System.** The SVE system is to be expanded to include SVE wells downslope from the release. The SVE system has achieved significant mass removal using the four SVE wells located along the road, north and south of the release location, but does not include any wells downslope from the release. The downslope area to the west has been significantly affected by the release. The highest concentrations of fuel hydrocarbons detected in soil at the site were detected in boring CP-SB-19, which is directly downgradient from the release. In order to recover more of the mass of hydrocarbons released from the site, the SVE system must be expanded to remove hydrocarbons downslope from the release. Please submit a Work Plan by May 2, 2006 to install additional SVE wells downslope from the release and continue operations of the SVE system.

### TECHNICAL REPORT REQUEST

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

- **April 15, 2006** – Quarterly Monitoring Report for the First Quarter 2006
- **May 10, 2006** – Work Plan for SVE System Expansion and Operation
- **May 22, 2006** – Additional Subsurface Investigation 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.

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PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

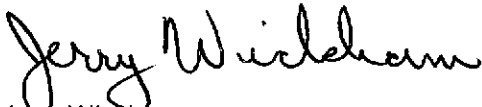
The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For 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.

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: Joe Morgan III, URS Corporation, 1333 Broadway, Suite 800, Oakland, CA 94612

Joe Naras, San Francisco Public Utilities Commission, Natural Resources Division,  
1657 Rollins Road, Burlingame, CA 94010

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

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

R02892



Global Gas

**J. C. (Jeff) Cosgray**  
Sr Site Remediation  
Specialist

**Health Environmental &  
Safety**  
Chevron Pipe Line Company  
4800 Fournace Place  
Bellaire, TX 77401-2324  
Tel 713-432-3335  
Fax 713-432-3477  
jcos@chevron.com

March 1, 2006

**VIA OVERNIGHT MAIL**  
**Waybill# 57926046846**


**Alameda County**  
**Environmental Health**  
MAR 03 2006

Mr. Jerry Wickham  
Department of Environmental Health  
Alameda County Health Agency  
1131 Harbor Bay Parkway  
Alameda, CA 94502

**PERJURY STATEMENT – RELEASE AT SUNOL CA**

Dear Mr. Wickham,

I declare, under penalty of perjury, that the information and/or recommendations contained in URS' report titled "**Interim Remediation Report, Soil Vapor Extraction System for the Chevron Pipeline Release Location, Sunol, California**" are true and correct to the best of my knowledge at the present time.

Sincerely  


J. C. (Jeff) Cosgray

JC/wm

**Wickham, Jerry, Env. Health**

---

**From:** Joe\_Morgan@URSCorp.com  
**Sent:** Monday, February 13, 2006 2:01 PM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Jcos@chevron.com; Angela\_Liang@URSCorp.com; Greg\_White@URSCorp.com  
**Subject:** Chevron Pipeline Sunol Gasoline Spill Response

Jerry just wanted to give you an update on some of our activities.

Our three month-long subcontract for the SVE system for the Sunol site expires today and our subcontractor has the unit leased it to someone else. The equipment was removed today. The existing SVE wells, pipelines, propane tank, and fencing were left in place, per our request. The SVE system was very successful in removing gasoline from the subsurface.

Chevron and URS agree that the SVE system needs to run longer for the existing SVE wells, but do not know if we should include one or more of our new wells along Calaveras Road in this effort. We will be developing the new wells along the roadway and in the nursery tomorrow 2/14/06 & 2/15. We will also be surveying the wells tomorrow 2/14/06. We will be sampling them early next week. After reviewing the analytical results we will be able to decide if simply installing another SVE system with the existing wells for an additional month or two is enough or if we need to include one or more of the new wells or not. At that time we will let you know what we propose to do. We have discussed this with our subcontractor and they have another SVE unit we can use, so we don't expect it will take long to get a system back up and running.

We are working on our interim SVE report and will send it to you within a couple of weeks.

If you have any questions on our activities or progress, please call me or send an email.

Joe Morgan

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Telephone - 510-874-3201  
Fax - 510-874-3268

This e-mail and any attachments are confidential. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

**From:** Wickham, Jerry, Env. Health  
**Sent:** Tuesday, January 24, 2006 7:39 AM  
**To:** 'Joe\_Morgan@URSCorp.com'  
**Cc:** Jcos.chevroncom@urscorp.com; Leonard\_Niles@URSCorp.com;  
Greg\_White@URSCorp.com; Angela\_Liang@URSCorp.com  
**Subject:** RE: Chevron Sunol Investigation

Joe,

My mistake, it is four not five.

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

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

**From:** Joe\_Morgan@URSCorp.com [mailto:Joe\_Morgan@URSCorp.com]  
**Sent:** Monday, January 23, 2006 8:46 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Jcos.chevroncom@urscorp.com; Leonard\_Niles@URSCorp.com; Greg\_White@URSCorp.com;  
Angela\_Liang@URSCorp.com  
**Subject:** Chevron Sunol Investigation

Jerry, I just wanted to alert you to a misunderstanding on our latest investigation effort. We will be installing four new borings/wells not five as mentioned in your review letter of January 20, 2006. Three will be installed along Calaveras Road and one in the nursery property. The work will be starting today, January 23, 2006. Thanks again for your very fast review of our workplan.

Joe

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Telephone - 510-874-3201  
Fax - 510-874-3268

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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

January 20, 2006

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082-6696

Subject: SLIC Case N [REDACTED], Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA  
-- Work Plan Approval

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the document entitled, "Work Plan for Additional Investigation Activities, Chevron Sunol Pipeline Site, 2793 Calaveras Road, Sunol, California," dated January 19, 2006, prepared on your behalf by URS Corporation. The Work Plan proposes a scope of work that includes five additional soil borings/monitoring wells. ACEH has reviewed the Work Plan and concurs with the proposed scope of work.

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

**TECHNICAL COMMENTS**

1. **Cross Sections.** The cross sections presented in the Subsurface Investigation Report dated December 15, 2005 were useful aids for the interpretation of site conditions. Please use data from the proposed additional borings to supplement or update the cross sections. Please present the cross sections in the Additional Subsurface Investigation Report requested below.

**TECHNICAL REPORT REQUEST**

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

- **March 2, 2006** – Interim Remediation Report
- **April 15, 2006** – Quarterly Monitoring Report for the First Quarter 2006
- **May 20, 2006** – Additional Subsurface Investigation 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

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

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

Jeff Cosgray  
January 20, 2006  
Page 3

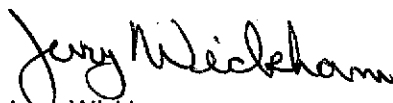
and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

**AGENCY OVERSIGHT**

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

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Joe Morgan III, URS Corporation, 1333 Broadway, Suite 800, Oakland, CA 94612

Joe Naras, San Francisco Public Utilities Commission, Natural Resources Division,  
1657 Rollins Road, Burlingame, CA 94010

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

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

**Wickham, Jerry, Env. Health**

---

**From:** Joe\_Morgan@URSCorp.com  
**Sent:** Thursday, January 19, 2006 1:51 PM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Cosgray, Jeffrey (JCOS); Angela\_Liang@URSCorp.com; Greg\_White@URSCorp.com; Leonard\_Niles@URSCorp.com  
**Subject:** RE: Chevron Sunol Workplan for next round of work

Jerry, thanks for taking a quick look at this to assist us in keeping our drilling schedule. Joe

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Telephone - 510-874-3201  
Fax - 510-874-3268

This e-mail and any attachments are confidential. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

"Wickham, Jerry,  
Env. Health"  
<jerry.wickham@ac  
gov.org>

01/19/2006 01:48  
PM

To  
<Joe\_Morgan@URSCorp.com>, "Cosgray,  
Jeffrey \ (JCOS\)"  
<JCOS@chevron.com>

cc

Subject  
RE: Chevron Sunol Workplan for next  
round of work

Joe,  
I have briefly reviewed the Work Plan and do not have concerns with proceeding with the drilling as planned. I will send out correspondence tomorrow am to document my review.  
Jerry

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

From: Joe\_Morgan@URSCorp.com [mailto:Joe\_Morgan@URSCorp.com]  
Sent: Thursday, January 19, 2006 10:16 AM  
To: Wickham, Jerry, Env. Health  
Subject: RE: Chevron Sunol Workplan for next round of work

We are going to try the sonic rig to address your concern about logging.  
Joe

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Telephone - 510-874-3201  
Fax - 510-874-3268

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"Wickham, Jerry,  
Env. Health"  
<jerry.wickham@ac  
gov.org>  
<Joe\_Morgan@URSCorp.com>

cc  
01/19/2006 09:44 AM  
<Jcos.chevroncom@URSCorp.com>,  
<Angela\_Liang@URSCorp.com>,  
<Greg\_White@URSCorp.com>

Subject  
next  
RE: Chevron Sunol Workplan for  
round of work

Joe,

Are you planning to use the ARCH for well installation or use sonic drilling to continuously log the borings?

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

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

From: Joe\_Morgan@URSCorp.com [mailto:Joe\_Morgan@URSCorp.com]  
Sent: Thursday, January 19, 2006 8:20 AM  
To: Wickham, Jerry, Env. Health  
Cc: Jcos.chevroncom@urscorp.com; Angela\_Liang@URSCorp.com;  
Greg\_White@URSCorp.com  
Subject: Chevron Sunol Workplan for next round of work

Jerry, attached is the workplan we discussed yesterday. We will also post it on the FTP you requested later today. If you have any suggestions or comments please call me. We had already scheduled the driller for Monday January 23, 2006 and I would really like to proceed on that schedule.  
Thanks for your assistance.

Joe Morgan

(See attached file: Document.tif)  
(See attached file: Figure 1 - Proposed Well Locations.pdf) (See attached file: Work Plan Disclosure Statement - Signed.pdf) (See attached file: 20060119081627.pdf)

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Telephone - 510-874-3201  
Fax - 510-874-3268

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## Wickham, Jerry, Env. Health

To: Joe\_Morgan@URSCorp.com; Cosgray, Jeffrey (JCOS)  
Cc: Angela\_Liang@URSCorp.com; Greg\_White@URSCorp.com  
Subject: RE: Chevron Sunol Workplan for next round of work

Attachments: RO2892 letter 01-20.pdf



RO2892 letter  
01-20.pdf (103 K...

Jeff and Joe,  
Attached is the letter documenting my review of the Work Plan.

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

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From: Joe\_Morgan@URSCorp.com [mailto:Joe\_Morgan@URSCorp.com]  
Sent: Thursday, January 19, 2006 8:20 AM  
To: Wickham, Jerry, Env. Health  
Cc: Jcos.chevroncom@urscorp.com; Angela\_Liang@URSCorp.com; Greg\_White@URSCorp.com  
Subject: Chevron Sunol Workplan for next round of work

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Joe Morgan

(See attached file: Document.tif)  
(See attached file: Figure 1 - Proposed Well Locations.pdf) (See attached file: Work Plan Disclosure Statement - Signed.pdf) (See attached file: 20060119081627.pdf)

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
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ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



7

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

December 30, 2005

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082-6696

Subject: SLIC Case No. [REDACTED] Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the report entitled, "Subsurface Investigation Report, Chevron Pipeline Release, Sunol, California," dated December 15, 2005, prepared on your behalf by URS Corporation. The report describes the results of four phases of investigation conducted at the site since a gasoline release occurred on August 14, 2005. The results indicate that gasoline from the pipeline release is present in soil and groundwater within the area of the release, the hillside below the release, and the tree nursery located on the west side of Calaveras Road. Total petroleum hydrocarbons as gasoline (TPHg) were detected in soil at concentrations up to 17,000 milligrams per kilogram (mg/kg) and were detected in groundwater at concentrations up to 570,000 micrograms per liter ( $\mu\text{g/L}$ ).

The extent of fuel hydrocarbons in the subsurface has not been fully defined. Therefore, we request that you prepare a Work Plan **by February 23, 2006** to fully define the horizontal and vertical extent of contamination at the site. In addition, the free product and elevated concentrations of fuel hydrocarbons in soil and groundwater across a large area of the site will require cleanup. We request that you provide information on interim remediation activities conducted to date and present recommendations for future interim remediation **by March 2, 2006**.

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

**TECHNICAL COMMENTS**

1. **Delineation of Soil and Groundwater Contamination.** The extent of shallow soil contamination appears to be sufficiently defined throughout most of the site. However, the horizontal and vertical extent of deeper soil and groundwater contamination has not been fully defined. Please present plans to fully define the extent of soil and groundwater contamination in the Work Plan requested below.
2. **Free Product Distribution and Recovery.** Free product has been observed in well MW-1, which is approximately 80 feet west of Calaveras Road and approximately 175 feet west of the release location. Highly elevated TPHg concentrations that may be indicative of free

phase product in the surrounding soils, have also been detected in grab groundwater samples in the area of the release. Based on these observations, free product appears to be present over a relatively wide area. We request that you present plans in the Work Plan requested below to define the extent of free product, particularly in the area directly downgradient from the release area and the area north of MW-1. Sufficient data are to be collected to evaluate the extent, mobility, and recoverability of the free product in the subsurface. Please also present plans for interim free product recovery in the Work Plan requested below.

3. **Logging Soil Borings.** Sample recovery in the hollow stem auger and rotary casing hammer soil borings was limited to less than one to two feet of sample recovery over intervals of approximately 10 feet or more. The minimal sample recovery limits the ability to locate potential contaminant migration pathways. Please significantly increase the sampling frequency for logging purposes or consider the use of alternative methods to characterize soil conditions. Please present your plans in the Work Plan requested below.
4. **Soil Vapor Extraction Results.** A soil vapor extraction (SVE) system has been installed on the dirt road adjacent to the release as an interim measure. The SVE system is not discussed in detail in the report. Please present information on the design, operation, and sampling results for the SVE system in the Interim Remedial Remediation Report requested below. In addition, please present recommendations regarding the continued operation and expansion of the SVE system as well as recommendations regarding other interim remediation that may be effective for the site.
5. **Quarterly Groundwater Monitoring.** Please collect groundwater samples from monitoring wells on a quarterly basis. Existing groundwater analytical data indicate that fuel oxygenates, 1,2-dichloroethane, and 1,2-dibromomethane are not present at detectable concentrations in groundwater. No analyses appear to have been conducted to date for ethanol and methanol. Please present recommendations for future groundwater analyses in the 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 23, 2006** – Work Plan for Soil and Groundwater Investigation
- **March 2, 2006** – Interim Remediation Report
- **April 15, 2006** – Quarterly Monitoring Report for the First Quarter 2006

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



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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](mailto: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.

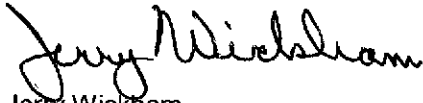
Jeff Cosgray  
December 30, 2005  
Page 4

**AGENCY OVERSIGHT**

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

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Joe Morgan III, URS Corporation, 1333 Broadway, Suite 800, Oakland, CA 94612

Joe Naras, San Francisco Public Utilities Commission, Natural Resources Division,  
1657 Rollins Road, Burlingame, CA 94010

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

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

## Wickham, Jerry, Env. Health

---

**From:** Cosgray, Jeffrey (JCOS) [JCOS@chevron.com]  
**Sent:** Monday, November 07, 2005 9:06 AM  
**To:** Wickham, Jerry, Env. Health; Joe\_Morgan@URSCorp.com  
**Subject:** RE: Chevron Pipeline Gasoline Spill Investigation Update

Jerry, Joe will be getting back to you on this later today. Thanks.

Jeff Cosgray  
Sr. Site Remediation Specialist

Health Environment and Safety  
Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082

Tel 281 596 3564  
Fax 866 653 0301  
Mob 713 408 0348  
mailto:jcos@chevron.com

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

**From:** Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]  
**Sent:** Tuesday, November 01, 2005 4:02 PM  
**To:** Joe\_Morgan@URSCorp.com; Cosgray, Jeffrey (JCOS)  
**Subject:** RE: Chevron Pipeline Gasoline Spill Investigation Update

Jeff and Joe,

Please propose a new date by which you will be able to submit an investigation report for the site. Alameda County Environmental Health previously requested submittal of a subsurface investigation report by October 10, 2005. Due to the time required to obtain site access, this was not achievable.

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

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

**From:** Joe\_Morgan@URSCorp.com [mailto:Joe\_Morgan@URSCorp.com]  
**Sent:** Monday, October 10, 2005 1:31 PM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Jcos@chevrontexaco.com; RKurima@chevron.com; Angela\_Liang@URSCorp.com; Leonard\_Niles@URSCorp.com; Greg\_White@URSCorp.com  
**Subject:** Chevron Pipeline Gasoline Spill Investigation Update

Jerry, we are starting the second phase of investigation on the subject spill tomorrow, October 11, 2005. We will have two rigs working, a direct push rig on the hill where the spill occurred and an auger rig on the flat to the west of Calaveras Road. The purpose of the auger rig work is to attempt to collect groundwater samples at four locations in the nursery, across Calaveras Road from the spill site.

The direct push rig is scheduled to work the rest of the week and the auger rig will be on-site Tuesday, Wednesday, and Friday.

If you have any questions on our plans please call or email me.

Joe Morgan

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Telephone - 510-874-3201  
Fax - 510-874-3268

This e-mail and any attachments are confidential. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

Ro 2892

**Wickham, Jerry, Env. Health**

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**From:** Cosgray, Jeffrey (JCOS) [JCOS@chevron.com]  
**Sent:** Wednesday, September 28, 2005 11:38 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Joe Morgan - URS  
**Subject:** RE: Pipeline site in Sunol access

I received the final executed copy via fax yesterday. We're planning for the week of October 10 to start again. Thanks.

**Jeff Cosgray**

Sr. Site Remediation Specialist

**Health Environment and Safety**

Chevron Pipe Line Company  
 2811 Hayes Road, Room 1366C  
 Houston, TX 77082

Tel 281 596 3564  
 Fax 866 653 0301  
 Mob 713 408 0348  
<mailto:jcos@chevron.com>

10/10/05  
 11:38 AM  
 11/24/05  
 11:40 AM

---

**From:** Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]  
**Sent:** Wednesday, September 28, 2005 12:05 PM  
**To:** Cosgray, Jeffrey (JCOS)  
**Subject:** Pipeline site in Sunol access

Jeff,  
 Has there been any progress from SFPUC on the access agreement? If not, I will call them.

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

9/29/2005

K0289Z

Chevron Pipe Line Company  
HES East Team  
2811 Hayes Road  
Houston Texas 77082  
Tel 281 596 3568  
Fax 281 596 3640  
garysaez@chevron.com

Gary M. Saez  
DOT Pipeline Safety Specialist



September 15, 2005

Ms Nancy Wolfe, Division Chief  
Department of Forestry and Fire Protection  
Office of the State Fire Marshal  
Pipeline Safety Division  
1131 'S' Street  
Sacramento, CA 95814

**Re: Chevron Pipe Line Company  
Bethany Pump Station to San Jose Terminal Products Pipeline Incident  
Form RSPA F 7000-1, Report ID 20050256-3431  
CSFM No. 0110B-0821**

Dear Ms. Wolfe:

On August 14, 2005, a pipeline operated by Chevron Pipe Line Company (CPL) had a release in Sunol, CA that occurred on CPL's 8" Bethany Pump Station to San Jose Terminal Products pipeline system (CSFM No. 0100B-0821). Per California Government Code 51018 (a), CPL must submit Form RSPA F 7000-1 to your department within 30 days from the time of the incident.

CPL electronically submitted the RSPA 7000-1 report on September 11, 2005. The report number is 20050256-3431. Furthermore, CPL delivered a copy of the report to CSFM Engineer Mr. Doug Allen on September 12, 2005.

If you have any questions or need further information, please contact me at (281) 596-3568.

Sincerely,

Attachment

cc: R. Gorham, CSFM Supervisor  
D. Allen, CSFM  
M.G. Bowin w/o  
G.A. McKee w/o  
R.A. Kurima  
G.A. Odell w/o

**ACCIDENT REPORT – HAZARDOUS LIQUID PIPELINE SYSTEMS**

Report Date Sep 11, 2005  
 No. 20050256 -- 3431  
(DOT Use Only)

**INSTRUCTIONS**

**Important:** Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the Office Of Pipeline Safety Web Page at <http://ops.dot.gov>.

**PART A – GENERAL REPORT INFORMATION** Check:  Original Report  Supplemental Report  Final Report

1. a. Operator's OPS 5-digit Identification Number (if known) / 2731 /  
 2. b. If Operator does not own the pipeline, enter Owner's OPS 5-digit Identification Number (if known) / \_\_\_\_\_ /  
 c. Name of Operator CHEVRON PIPE LINE COMPANY  
 d. Operator street address 2811 HAYES ROAD  
 e. Operator address HOUSTON HARRIS TX 77082  
City, County, State and Zip Code

**IMPORTANT: IF THE SPILL IS SMALL, THAT IS, THE AMOUNT IS AT LEAST 5 GALLONS BUT IS LESS THAN 5 BARRELS, COMPLETE THIS PAGE ONLY, UNLESS THE SPILL IS TO WATER AS DESCRIBED IN 49 CFR 195.52(A)(4) OR IS OTHERWISE REPORTABLE UNDER 195.50 AS REVISED IN CY 2001.**

2. Time and date of the accident  
 / 1652 / / 08 / / 14 / / 2005  
hr. month day year

3. Location of accident  
*(If offshore, do not complete a through d. See Part C.1)*

a. Latitude: 37.55057 Longitude: 121.85575  
(if not available, see instructions for how to provide specific location)

b. SUNOL ALAMEDA  
City, and County or Parish

c. CA 94586  
State and Zip Code

d. Mile post/valve station  or survey station no. \_\_\_\_\_  
(whichever gives more accurate location)

83 /// SAN JOSE LRG- BAPL

4. Telephone report  
 / 769058 / / 08 / / 14 / / 2005  
NRC Report Number month day year

5. Losses (Estimated)

Public/Community Losses reimbursed by operator:

Public/private property damage	\$ <u>15000</u>
Cost of emergency response phase	\$ <u>64000</u>
Cost of environmental remediation	\$ <u>200000</u>
Other Costs	\$ <u>0</u>
(describe)	_____

Operator Losses:

Value of product lost	\$ <u>80000</u>
Value of operator property damage	\$ <u>1000</u>
Other Costs	\$ <u>0</u>
(describe)	_____

Total Costs \$ 360000

6. Commodity Spilled  Yes  No  
(If Yes, complete Parts a through c where applicable)

a. Name of commodity spilled UNLEADED GASOLINE

b. Classification of commodity spilled:  
 HVLs / other flammable or toxic fluid which is a gas at ambient conditions  
 CO<sub>2</sub> or other non-flammable, non-toxic fluid which is a gas at ambient conditions  
 Gasoline, diesel, fuel oil or other petroleum product which is a liquid at ambient conditions  
 Crude oil

c. Estimated amount of commodity involved:  
 Barrels  
 Gallons (check only if spill is less than one barrel)

Amounts:  
 Spilled: 700  
 Recovered: 0

**CAUSES FOR SMALL SPILLS ONLY (5 gallons to under 5 barrels):** (For large spills [5 barrels or greater] see Part H)

Corrosion  Natural Forces  Excavation Damage  Other Outside Force Damage  
 Material and/or Weld Failures  Equipment  Incorrect Operation  Other

**PART B – PREPARER AND AUTHORIZED SIGNATURE**

GARY M. SAENZ (281) 596-3568  
(type or print) Preparer's Name and Title Area Code and Telephone Number

GARYSAENZ@CHEVRON.COM (281) 596-3626  
Preparer's E-mail Address Area Code and Facsimile Number

\_\_\_\_\_  
Authorized Signature (type or print) Name and Title Date Area Code and Telephone Number

**PART C - ORIGIN OF THE ACCIDENT** (Check all that apply)

1. Additional location information  
 a. Line segment name or ID CSFM 01008 0821  
 b. Accident on Federal land other than Outer Continental Shelf  Yes  No  
 c. Is pipeline interstate?  Yes  No

Offshore:  Yes  No (complete if offshore)  
 d. Area \_\_\_\_\_ Block # \_\_\_\_\_  
 State \_\_\_\_\_ / or Outer Continental Shelf

2. Location of system involved (check all that apply)  
 Operator's Property  
 Pipeline Right of Way  
 High Consequence Area (HCA)?  
 Describe HCA DRINKING WATER

3. Part of system involved in accident  
 Above Ground Storage Tank  
 Cavern or other below ground storage facility  
 Pump/meter station; terminal/tank farm piping and equipment, including sumps  
 Other Specify: \_\_\_\_\_  
 Onshore pipeline, including valve sites  
 Offshore pipeline, including platforms

a. Type of leak or rupture  
 Leak:  Pinhole  Connection Failure (complete sec. H5)  
 Puncture, diameter (inches) 4  
 Rupture:  Circumferential - Separation  
 Longitudinal - Tear/Crack, length (inches) \_\_\_\_\_  
 Propagation Length, total, both sides (feet) \_\_\_\_\_  
 N/A  
 Other \_\_\_\_\_

b. Type of block valve used for isolation of immediate section:  
 Upstream:  Manual  Automatic  Remote Control  
 Check Valve  
 Downstream:  Manual  Automatic  Remote Control  
 Check Valve

If failure occurred on Pipeline, complete items a - g:

4. Failure occurred on  
 Body of Pipe  Pipe Seam  Scraper Trap  
 Pump  Sump  Joint  
 Component  Valve  Metering Facility  
 Repair Sleeve  Welded Fitting  Bolted Fitting  
 Girth Weld  
 Other (specify) \_\_\_\_\_

Year the component that failed was installed: 1985

5. Maximum operating pressure (MOP)  
 a. Estimated pressure at point and time of accident:  
423 PSIG  
 b. MOP at time of accident:  
1440 PSIG  
 c. Did an overpressurization occur relating to the accident?  
 Yes  No

c. Length of segment isolated 15787 ft  
 d. Distance between valves 35296 ft

e. Is segment configured for internal inspection tools?  Yes  No  
 f. Had there been an in-line inspection device at the point of failure?  Yes  No  Don't Know  
 Not Possible due to physical constraints in the system

g. If Yes, type of device (ur) (check all that apply)  
 High Resolution Magnetic Flux tool Year run: 2001  
 Low Resolution Magnetic Flux tool Year run: \_\_\_\_\_  
 UT tool Year run: \_\_\_\_\_  
 Geometry tool Year run: 2001  
 Caliper tool Year run: \_\_\_\_\_  
 Crack tool Year run: \_\_\_\_\_  
 Hard Spot tool Year run: \_\_\_\_\_  
 Other tool Year run: \_\_\_\_\_

**PART D - MATERIAL SPECIFICATION**

1. Nominal pipe size (NPS) 36 in.  
 2. Wall thickness 0.375 in.  
 3. Specification SMYS 48000  
 4. Seam type SEAMLESS  
 5. Valve type N/A  
 6. Manufactured by \_\_\_\_\_ in year \_\_\_\_\_

**PART E - ENVIRONMENT**

1. Area of accident  In open ditch  
 Under pavement  Above ground  
 Underground  Under water  
 Inside/under building  Other \_\_\_\_\_  
 2. Depth of cover: 18 inches

**PART F - CONSEQUENCES**

1. Consequences (check and complete all that apply)  
 a. 0 Injuries  
 Number of operator employees: 0  
 Contractor employees working for operator: 0  
 General public: 0  
 Totals: 0  
 b. Was pipeline/segment shutdown due to leak?  Yes  No  
 If Yes, how long? 2 days 7 hours 38 minutes

c. Product ignited  Yes  No  
 d. Explosion  Yes  No  
 e.  Evacuation (general/public only) \_\_\_\_\_ people  
 Reason for Evacuation:  
 Precautionary by company  
 Evacuation required or initiated by public official  
 f. Elapsed time until area was made safe:  
55 hr. 38 min.

2. Environmental Impact  
 a. Wildlife Impact: Fish/aquatic  Yes  No  
 Birds  Yes  No  
 Terrestrial  Yes  No  
 b. Soil Contamination  Yes  No  
 If Yes, estimated number of cubic yards: 850  
 c. Long term impact assessment performed:  Yes  No  
 d. Anticipated remediation  Yes  No  
 If Yes, check all that apply:  Surface water  Groundwater  Soil  Vegetation  Wildlife

e. Water Contamination:  Yes  No (If Yes, provide the following)  
 Amount in water \_\_\_\_\_ barrels  
 Ocean/Seawater  No  Yes  
 Surface  No  Yes  
 Groundwater  No  Yes  
 Drinking water  No  Yes (If Yes, check below.)  
 Private well  Public water Intake



**PART G - LEAK DETECTION INFORMATION**

1. Computer based leak detection capability in place?  Yes  No
2. Was the release initially detected by? (check one):  CPM/SCADA-based system with leak detection  
 Static shut-in test or other pressure or leak test  
 Local operating personnel, procedures or equipment  
 Remote operating personnel, including controllers  
 Air patrol or ground surveillance  
 A third party  Other (specify) \_\_\_\_\_
3. Estimated leak duration days \_\_\_\_ hours \_\_\_\_

**PART H - APPARENT CAUSE** *Important: There are 25 numbered causes in this Part H. Check the box corresponding to the primary cause of the accident. Check one circle in each of the supplemental categories corresponding to the cause you indicate. See the instructions for guidance.*

- H1 - CORROSION**
1.  External Corrosion  
 Internal Corrosion  
 (Complete items a - e where applicable.)
- a. Pipe Coating  Bare  Coated
- b. Visual Examination  Localized Pitting  General Corrosion  Other \_\_\_\_\_
- c. Cause of Corrosion  Galvanic  Atmospheric  Stray Current  Microbiological  Cathodic Protection Disrupted  Stress Corrosion Cracking  Selective Seam Corrosion  Other \_\_\_\_\_
- d. Was corroded part of pipeline considered to be under cathodic protection prior to discovering accident?  
 No  Yes, Year Protection Started: \_\_\_\_\_
- e. Was pipe previously damaged in the area of corrosion?  
 No  Yes => Estimated time prior to accident: \_\_\_\_\_ / years \_\_\_\_\_ / months Unknown

- H2 - NATURAL FORCES**
3.  Earth Movement =>  Earthquake  Subsidence  Landslide  Other \_\_\_\_\_
4.  Lightning
5.  Heavy Rains/Floods =>  Washouts  Flotation  Mudslide  Scouring  Other \_\_\_\_\_
6.  Temperature =>  Thermal stress  Frost heave  Frozen components  Other \_\_\_\_\_
7.  High Winds

- H3 - EXCAVATION DAMAGE**
8.  Operator Excavation Damage (including their contractors/Not Third Party)
9.  Third Party (complete a-f)
- a. Excavator group  General Public  Government  Excavator other than Operator/subcontractor
- b. Type:  Road Work  Pipeline  Water  Electric  Sewer  Phone/Cable  
 Landowner-not farming related  Farming  Railroad  
 Other liquid or gas transmission pipeline operator or their contractor  
 Nautical Operations  Other \_\_\_\_\_
- c. Excavation was:  Open Trench  Sub-strata (boring, directional drilling, etc...)
- d. Excavation was an ongoing activity (Month or longer)  Yes  No If Yes, Date of last contact \_\_\_\_\_
- e. Did operator get prior notification of excavation activity?  
 Yes; Date received: \_\_\_\_\_ / mo. \_\_\_\_\_ / day \_\_\_\_\_ / yr.  No  
 Notification received from:  One Call System  Excavator  Contractor  Landowner
- f. Was pipeline marked as result of location request for excavation?  No  Yes (If Yes, check applicable items i - iv)
- i. Temporary markings:  Flags  Stakes  Paint
- ii. Permanent markings:
- iii. Marks were (check one):  Accurate  Not Accurate
- iv. Were marks made within required time?  Yes  No

- H4 - OTHER OUTSIDE FORCE DAMAGE**
10.  Fire/Explosion as primary cause of failure => Fire/Explosion cause:  Man made  Natural
11.  Car, truck or other vehicle not relating to excavation activity damaging pipe
12.  Rupture of Previously Damaged Pipe
13.  Vandalism

H5 - MATERIAL AND/OR WELD FAILURES

Material

- 14.  Body of Pipe =>  Dent  Gouge  Bend  Arc Burn  Other \_\_\_\_\_
- 15.  Component =>  Valve  Fitting  Vessel  Extruded Outlet  Other \_\_\_\_\_
- 16.  Joint =>  Gasket  O-Ring  Threads  Other \_\_\_\_\_

Weld

- 17.  Butt =>  Pipe  Fabrication  Other \_\_\_\_\_
- 18.  Fillet =>  Branch  Hot Tap  Fitting  Repair Sleeve  Other \_\_\_\_\_
- 19.  Pipe Seam =>  LF ERW  DSAW  Seamless  Flash Weld  Other \_\_\_\_\_  
 HF ERW  SAW  Spiral

Complete a-g if you indicate any cause in part H5.

- a. Type of failure:
  - Construction Defect =>  Poor Workmanship  Procedure not followed  Poor Construction Procedures
  - Material Defect
- b. Was failure due to pipe damage sustained in transportation to the construction or fabrication site?  Yes  No
- c. Was part which leaked pressure tested before accident occurred?  Yes, complete d-g  No
- d. Date of test: \_\_\_\_\_ / yr. \_\_\_\_\_ / mo. \_\_\_\_\_ / day
- e. Test medium:  Water  Inert Gas  Other \_\_\_\_\_
- f. Time held at test pressure: \_\_\_\_\_ hr.
- g. Estimated test pressure at point of accident: \_\_\_\_\_ PSIG

H6 - EQUIPMENT

- 20.  Malfunction of Control/Relief Equipment =>  Control valve  Instrumentation  SCADA  Communications  
 Block valve  Relief valve  Power failure  Other \_\_\_\_\_
- 21.  Threads Stripped, Broken Pipe Coupling =>  Nipples  Valve Threads  Dresser Couplings  Other \_\_\_\_\_
- 22.  Seal Failure =>  Gasket  O-Ring  Seat/Pump Packing  Other \_\_\_\_\_

H7 - INCORRECT OPERATION

- 23.  Incorrect Operation
  - a. Type:  Inadequate Procedures  Inadequate Safety Practices  Failure to Follow Procedures  
 Other \_\_\_\_\_
  - b. Number of employees involved who failed a post-accident test: drug test: \_\_\_\_\_ / alcohol test: \_\_\_\_\_

H8 - OTHER

- 24.  Miscellaneous, describe: \_\_\_\_\_
- 25.  Unknown  
 Investigation Complete  Still Under Investigation (submit a supplemental report when investigation is complete)

PART I - NARRATIVE DESCRIPTION OF FACTORS CONTRIBUTING TO THE EVENT (Attach additional sheets as necessary)

**Wickham, Jerry, Env. Health**

---

**From:** Cosgray, Jeffrey (JCOS) [JCOS@chevron.com]  
**Sent:** Monday, September 12, 2005 11:46 AM  
**To:** Dowd, Gary  
**Cc:** Milstein, Joshua D; Wickham, Jerry, Env. Health  
**Subject:** RE: Chevron groundwater permit\_v090705.DOC

My fault, it was pretty clear.

**Jeff Cosgray**

Sr. Site Remediation Specialist

**Health Environment and Safety**

Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082

Tel 281 596 3564  
Fax 866 653 0301  
Mob 713 408 0348  
<mailto:jcos@chevron.com>

---

**From:** Dowd, Gary [mailto:gdowd@swater.org]  
**Sent:** Monday, September 12, 2005 1:45 PM  
**To:** Cosgray, Jeffrey (JCOS)  
**Cc:** Milstein, Joshua D; jerry.wickham@acgov.org  
**Subject:** RE: Chevron groundwater permit\_v090705.DOC

That was my intent, yes. Sorry to confuse you. I didn't mean 90 days to process. I meant a 90 day initial term.  
GMD

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

**From:** Cosgray, Jeffrey (JCOS) [mailto:JCOS@chevron.com]  
**Sent:** Monday, September 12, 2005 11:41 AM  
**To:** Dowd, Gary  
**Cc:** Milstein, Joshua D; jerry.wickham@acgov.org  
**Subject:** RE: Chevron groundwater permit\_v090705.DOC

Gary, could we work on a 90 day while continuing to pursue the longer term agreement? We will need greater than 90 day access if remediation is required, possibly greater than a year.

**Jeff Cosgray**

Sr. Site Remediation Specialist

**Health Environment and Safety**

Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082

Tel 281 596 3564  
Fax 866 653 0301  
Mob 713 408 0348  
<mailto:jcos@chevron.com>

---

**From:** Dowd, Gary [<mailto:gdowd@sflower.org>]  
**Sent:** Friday, September 09, 2005 9:28 AM  
**To:** Cosgray, Jeffrey (JCOS)  
**Cc:** Milstein, Joshua D  
**Subject:** FW: Chevron groundwater permit\_v090705.DOC

Jeff, I got your message on this. Will attempt to get it to you for execution as soon as possible. One issue I need to figure out is the term that is currently in the permit requires the document to be approved by the full PUC. This means getting it on their agenda, etc. etc. I'm trying to come up with a more creative way to get the folks out there much sooner by reducing the term to (say 90 days) which would allow my G.M. to sign it without full Commission approval. Then we could simply extend it as needed. GMD

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

**From:** Joshua D Milstein [<mailto:Joshua.Milstein@sfgov.org>]  
**Sent:** Wednesday, September 07, 2005 10:47 AM  
**To:** JCOS%SFGOV@sfgov.org  
**Cc:** Daughtrey, Tana (TDaughtrey); [gdowd@sflower.org](mailto:gdowd@sflower.org); Garrison Broekema; [jnaras@sflower.org](mailto:jnaras@sflower.org); [tkoopman@sflower.org](mailto:tkoopman@sflower.org)  
**Subject:** Re: Chevron groundwater permit\_v090705.DOC

This version is fine with me. I've merged your changes in the attached document. The SFPUC Real Estate Services Bureau will process this permit; Gary Dowd is the manager (415.487-5211).

(See attached file: chevprm2.doc)

"Cosgray, Jeffrey  
(JCOS)"  
<[JCOS@chevron.com](mailto:JCOS@chevron.com)>  
> "Joshua D Milstein" To

## Wickham, Jerry, Env. Health

---

**From:** Cosgray, Jeffrey (JCOS) [JCOS@chevron.com]  
**Sent:** Friday, September 02, 2005 11:02 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Joe Morgan - URS; Kurima, Robert (RKurima)  
**Subject:** Chevron Sunol Pipeline Work Plan - Update

Jerry, we sent our revised access agreement back via e-mail to SFPUC yesterday. We have completed the borings along Calaveras Rd. and will receive the analytical back in about a week. We'll begin the assessment on the upper bank as soon as we gain access.

Let me know if you have any questions.

Jeff Cosgray  
Sr. Site Remediation Specialist

Health Environment and Safety  
Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082

Tel 281 596 3564  
Fax 866 653 0301  
Mob 713 408 0348  
mailto:jcos@chevron.com

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

**From:** Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]  
**Sent:** Wednesday, August 24, 2005 5:06 PM  
**To:** Joe\_Morgan@URSCorp.com; Cosgray, Jeffrey (JCOS)  
**Cc:** RKurima@chevron.com; Angela\_Liang@URSCorp.com; Steven\_Plunkett@URSCorp.com; Alexandra\_Fraser@URSCorp.com; Jason\_Pearson@URSCorp.com; jnaras@sfgwater.org; Winey, Colleen  
**Subject:** RE: Chevron Sunol Pipeline Work Plan Approval

Jeff and Joe,

The Work Plan approval and comments are attached. Please let me know if you are unable to open the attachment.

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

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

**From:** Joe\_Morgan@URSCorp.com [mailto:Joe\_Morgan@URSCorp.com]  
**Sent:** Wednesday, August 24, 2005 10:44 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Jcos@chevrontexaco.com; RKurima@chevron.com; Angela\_Liang@URSCorp.com; Steven\_Plunkett@URSCorp.com; Alexandra\_Fraser@URSCorp.com; Jason\_Pearson@URSCorp.com  
**Subject:**

Jerry, per our earlier email exchange, please find attached the workplan for the subject site. If you have any questions or comments please call me.

We are prepared to go into the field to implement the workplan tomorrow, Thursday, August 25, 2005.

Thanks, Joe Morgan  
(See attached file: Soil and Groundwater Investigation Workplan.doc)

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Telephone - 510-874-3201  
Fax - 510-874-3268

This e-mail and any attachments are confidential. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

## Wickham, Jerry, Env. Health

---

**From:** Cosgray, Jeffrey (JCOS) [JCOS@chevron.com]  
**Sent:** Thursday, August 25, 2005 6:46 AM  
**To:** Joe\_Morgan@URSCorp.com  
**Cc:** RKurima@chevron.com; Wickham, Jerry, Env. Health  
**Subject:** RE: Chevron Sunol Pipeline Work Plan Approval

Joe, please extend the Calaveras road borings beyond 20 feet to water or refusal. All early indications are that we will hit water before 20 feet. All other comments are part of our normal protocol and should be followed. Thanks.

Jeff Cosgray  
Sr. Site Remediation Specialist

Health Environment and Safety  
Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082

Tel 281 596 3564  
Fax 866 653 0301  
Mob 713 408 0348  
mailto:jcos@chevron.com

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

**From:** Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]  
**Sent:** Wednesday, August 24, 2005 5:06 PM  
**To:** Joe\_Morgan@URSCorp.com; Cosgray, Jeffrey (JCOS)  
**Cc:** RKurima@chevron.com; Angela\_Liang@URSCorp.com; Steven\_Plunkett@URSCorp.com; Alexandra\_Fraser@URSCorp.com; Jason\_Pearson@URSCorp.com; jnaras@sfwater.org; Winey, Colleen  
**Subject:** RE: Chevron Sunol Pipeline Work Plan Approval

Jeff and Joe,

The Work Plan approval and comments are attached. Please let me know if you are unable to open the attachment.

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

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

**From:** Joe\_Morgan@URSCorp.com [mailto:Joe\_Morgan@URSCorp.com]  
**Sent:** Wednesday, August 24, 2005 10:44 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Jcos@chevrontexaco.com; RKurima@chevron.com; Angela\_Liang@URSCorp.com; Steven\_Plunkett@URSCorp.com; Alexandra\_Fraser@URSCorp.com; Jason\_Pearson@URSCorp.com  
**Subject:**

Jerry, per our earlier email exchange, please find attached the workplan for the subject site. If you have any questions or comments please call me.  
We are prepared to go into the field to implement the workplan tomorrow, Thursday, August 25, 2005.

Thanks, Joe Morgan

(See attached file: Soil and Groundwater Investigation Workplan.doc)

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Telephone - 510-874-3201  
Fax - 510-874-3268

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**Wickham, Jerry, Env. Health**

**From:** Torrence, Susan, DA  
**Sent:** Thursday, August 25, 2005 12:22 PM  
**To:** Levi, Ariu, Env. Health; Wickham, Jerry, Env. Health  
**Cc:** Drogos, Donna, Env. Health; Hugo, Susan, Env. Health; Chan, Barney, Env. Health  
**Subject:** RE: Chevron Pipeline release

Ariu--

I have quickly looked into this from a variety of sources. The agency that I feel has the most expertise in this area is the Dept. of Fish and Game--Oil Spill Prevention and Response unit (OSPR). I checked with them, they did respond. This is the story that they gave me: This last Sunday a farmer (leasor of the land from the owner, San Fran City/Co Water District) was grading on the property. Despite the signs that marked the jet fuel pipeline on the property, the farmer cut the 8" pipeline with the grader. Apparently, he was extremely lucky that there was no ignition source or he would have been history as the fuel made a geyser. There was a loss of 700 barrels/28,000 gal. Chevron responded and completed the cleanup, at least to the satisfaction of the OSPR warden, including soil removal. I have requested the F&G report, if in fact there is one.

Even though F&G is satisfied, that certainly does not preclude your agency from investigating or requesting further action if you feel it is within your jurisdiction and warranted. Just to let you know, from what I know now, it does not look like an enforcement case from my perspective. Apparently, there was no release to a nearby creek (approx 50 yards away) and the responsible party (the farmer) may be chased after by Chevron for cleanup costs, as it was a result of the farmer's negligence--that is their fight.

If I can assist in any further way, or if you discover anything contrary to the above version that I may be interested in, please do not hesitate to call. In addition, if you assign this to someone who wants to talk to the OSPR warden, I can certainly get them together.

Again, do not hesitate to let me know if you have any other questions/concerns, or if there is anything else that we can do for you or your agency.

P.S. Re your mention of Fire Marshall's offer re training in the other email--see my previous email re available venue of the DA Environmental Task Force--I am ALWAYS looking for new topics/speakers!!!! In fact, Rob Weston continues to be his extremely helpful self and line up our Oct. speaker from Household Haz Waste.

Susan Torrence  
 Alameda County District Attorney's Office  
 Email: susan.torrence@acgov.org  
 Phone: (510) 569-6581

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

**From:** Levi, Ariu, Env. Health  
**Sent:** Wednesday, August 24, 2005 9:48 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Drogos, Donna, Env. Health; Hugo, Susan, Env. Health; Chan, Barney, Env. Health; Torrence, Susan, DA  
**Subject:** Pipeline release

I talked to Bob Gorham (Bob.Gorham@fire.ca.gov) (562-497-9102) with the state fire Marshall's office concerning their level of responsibility for oversight to the release. It appears they limit their involvement to what caused the release and who might be at fault. They coordinate their actions with OSHA but do not, as example, involve locals such as the BAAQMD. I let Bob know that the SFRWQCB asked us to take over

5/26/2006

oversight to the clean up effort and that we are the CUPA for that part of the county.

Bob will encourage Chevron to release their information (with regard to the actual release) to us and he will consult with his staff person that is the direct oversight agent to pass on the info he has developed. Bob indicated that his group is willing to put on training on their role at releases and also to show us where lines exist in our county. Sounds like a deal we should take him up on.

**Wickham, Jerry, Env. Health**

---

**From:** Joe\_Morgan@URSCorp.com  
**Sent:** Wednesday, August 24, 2005 10:44 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Jcos@chevrontexaco.com; RKurima@chevron.com; Angela\_Liang@URSCorp.com;  
Steven\_Plunkett@URSCorp.com; Alexandra\_Fraser@URSCorp.com;  
Jason\_Pearson@URSCorp.com

**Attachments:** Soil and Groundwater Investigation Workplan.doc



Soil and  
Groundwater Investigate

Jerry, per our earlier email exchange, please find attached the workplan for the subject site. If you have any questions or comments please call me. We are prepared to go into the field to implement the workplan tomorrow, Thursday, August 25, 2005.

Thanks, Joe Morgan  
(See attached file: Soil and Groundwater Investigation Workplan.doc)

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
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Telephone - 510-874-3201  
Fax - 510-874-3268

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## **Soil and Groundwater Investigation Workplan Chevron Pipeline Company Gasoline Spill near Sunol, California**

### **INTRODUCTION**

On the evening of Sunday August 14, 2005 a third party contractor ruptured a Chevron pipeline while grading a dirt road near the City of Sunol in the San Francisco Bay Area. The eight-inch diameter gasoline pipeline is located on property owned by the San Francisco Public Utilities Commission as part of the nearby Calaveras Reservoir. There were no injuries reported in relation to the spill. The responsible party has not yet been clearly identified.

A motor grader hit the pipeline, rupturing it and causing a gasoline spill, estimated by Chevron to be approximately 700 barrels in volume. The gasoline was released into the air by the pressure in the pipeline. The gasoline droplets wet the downgradient hillside and collected at the bottom of the hill. The gasoline also wet the pavement on Calaveras Road, which runs along the bottom of the hill at the point of the release. Chevron staff reported that the liquid gasoline did not run across the roadway. Chevron was not able to recover any of the spilled gasoline and it is clear that a portion of the spill evaporated. Chevron reported the spill to the California Office of Emergency Services and the National Response Center.

Various agencies responded to the spill including the San Francisco Water Department, Alameda County Fire Department, California Department of Fish and Game, and the Zone 7 Water Agency, and the Alameda County Department of Health. Chevron personnel inspected the scene and established that the spill did not reach the small stream that crosses the roadway at Milepost 2.70. Mr. Tracy Long of Chevron reported that the Fish and Game inspector walked the stream and agreed that it had not been impacted. It is highly unlikely that the spill impacted the watercourse located to the east, at Milepost 2.80, due to the distance from the spill and the topography that slopes to the south.

Chevron requested that URS Oakland provide remediation and biological survey support to the spill cleanup efforts on August 16, 2005. Messrs. Kevin Fisher and Joe Morgan arrived on the scene in the morning of August 16, 2005. Mr. Fisher is a biologist and Mr. Morgan is a senior project manager in the URS Oakland Remediation Group. Both URS staff members conducted a walking tour of the area and took pictures of salient features.

Mr. Morgan met Mr. Jeff Cosgray of Chevron for a tour of the area on August 17, 2005 and discussed the details of this workplan. Mr. Jerry Wickham, Hazardous Materials Specialist, of the Alameda County Health Agency also participated in the last part of the site walk. Mr. Wickham later confirmed that he would be the case officer for the investigation and remedial activities, if required.

## **SCOPE OF WORK**

To evaluate the areal extent and depth of gasoline-impacted soil, URS proposes to conduct a soil investigation in the area potentially impacted by the spill. The area is divided into the following sub-areas for clarity: dirt roadway where the spill occurred, surrounding hillside, and the Calaveras Road ROW. Please see the attached Figure illustrating the area and proposed sampling points. The details of the sampling are further described in the following task descriptions.

### **Task 1 – Respond to Spill, Develop Workplan and Health and Safety Plan**

URS staff responded to the spill by visiting the site on Tuesday, August 16, 2005 and Wednesday August 17, 2005 and prepared to discuss the spill and Chevron's response with the Regional Board's staff. We also discussed right of entry with Mr. Leon Elam of the San Francisco Public Utilities Commission (PUC) staff, who requested that URS staff call Mr. Joe Naras of the PUC staff to discuss our planned sampling activities.

URS staff called the Alameda County Public Works Agency about the potential need for a permit to collect samples in the Calaveras Road ROW. The sampling effort will also include a lane closure of Calaveras Road in both directions, but not simultaneously. URS has retained the services of a traffic control subcontractor.

URS staff developed this work plan and will develop a site-specific Health and Safety Plan (HASP) for our staff working on the site. The HASP will incorporate Chevron's health and safety requirements.

### **Task 2 – Underground Utilities Survey, Mobilization and Permits**

URS retained the services of an underground utilities survey contractor to survey the proposed sampling locations before our fieldwork. URS staff will coordinate with our subcontractors and issue work orders to the following: underground utilities survey, laboratory, and direct push drilling contractor. We have also notified Underground Services Alert of our proposed sampling activities 48 hours in advance of our proposed sampling activities.

We will complete a Job Safety Analyses (JSA) with our drilling subcontractor and field staff.

### **Task 3 – Field Work**

URS staff will conduct a tailgate safety meeting before the start of work each day. This will include the traffic control subcontractor and the drilling subcontractor. Sampling staff and the drilling personnel work areas will be monitored with a photo-ionization detector (PID) for gasoline vapors. Our staff will have a Dreager tube test kit available for follow-up measurements of benzene, if detections of organic vapors exceed 10 ppm for more than one minute on the PID.

URS will collect soil samples in the following areas using direct push drilling to minimize cuttings requiring disposal: dirt roadway and in the Calaveras Road ROW. We

will collect soil samples by hand on the hillside, as this area is too steep to utilize mechanical equipment.

We will collect soil samples to 20 feet in depth in areas where direct push equipment is used along the Calaveras Road ROW and 10 feet in depth along the unpaved road. We will collect soil samples to approximately three feet in depth where soil is collected by hand auger. We will analyze the samples for Total Petroleum Hydrocarbons as gasoline (TPH-g), Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX), fuel oxygenates, and lead. If refusal conditions are encountered, we will sample to the depth refusal is encountered. If high volatile organic vapor concentrations are found with the PID, additional sampling at the appropriate depth will be conducted, as needed.

We will collect and analyze the soil samples at the following depths: 0-6 inches, 1.0-1.5 feet, 2.0 – 2.5 feet, 5.5 – 6.0 feet, 9.5 – 10.0 feet along the unpaved road and add samples at 15.0-15.5 feet, and 19.5 – 20.0 feet in depth for the samples along Calaveras Road. Only the first two depth increments will be analyzed for lead in the Calaveras Road ROW, and lead will not be analyzed on the unpaved road. We will attempt to collect groundwater samples in the deeper borings. We will leave the borings open over night and install temporary well casings in an attempt to collect grab groundwater samples. If groundwater samples are collected they will be analyzed for TPH-g, BTEX, and gasoline oxygenates.

Soil samples will be collected in acetate sleeves from the sampling spoon and cut to the length desired for analysis. The sample ends will be covered with Teflon plastic and capped with plastic caps.

Groundwater samples will be collected via a peristaltic pump and placed in bottles with appropriate preservatives. Sampling equipment to be reused will be washed and rinsed between each sampling event.

The samples will be labeled with a project unique number, placed on ice and shipped or hand delivered to a State of California certified analytical laboratory for analysis under URS chain of custody procedures. Our schedule is based on a normal 5 to 10 day laboratory turn around time.

After sampling is completed, the direct push boring locations will be filled from the bottom of the boring to grade using a tremie pipe with a mixture of cement and benonite clay and repaired with cold patch asphalt to match existing pavement, as needed. The borings and hand auger sampling locations will be located with a Global Positioning System (GPS) unit for future reference. The GPS results will be included in a table in the investigation report.

#### **IDW**

Investigation derived waste (IDW) and decontamination (decon) water will be placed in drums and held on-site. URS will collect one composite sample from each area's soil spoils and one composite sample from the decon water drums for analysis to facilitate

disposal. URS will dispose of up to six drums of IDW; if more drums are developed and must be disposed of, URS will submit a change order for the disposal and analytical costs.

#### **Task 4 – Data QA/QC and Data Evaluation**

The analytical data will be reviewed by URS personnel trained in data quality assurance/quality control. The data will be then be tabulated and compared to regulatory clean-up criteria and for off-site landfill disposal characterization.

#### **Task 5 - Draft Report**

URS will deliver a draft investigation report to Chevron within two weeks of receipt of the analytical results. The report will include our evaluation of the data and recommendations for future efforts, if needed. The analytical data will be presented in tabular form only in the draft report. We have assumed that all of Chevron's comments will be received at one time and there will be only one round of comments.

#### **Task 6 – Final Report**

The final investigation report will be issued within one week of receipt of Chevron's comments. We will include the analytical data sheets from the laboratory in electronic format, i.e. on a compact diskette, in the final report. We will issue five copies of the final report to Chevron. We can also deliver copies of our report to the Alameda County Department of Health and the Alameda County Public Works Agency, if desired.

#### **Task 7 – Biological Resources**

##### **Sub-Task 1- Biological Resource Impact Assessment**

URS initially responded to the pipeline release to evaluate immediate impacts to biological resources with a site visit. We will also conduct a background investigation into sensitive resources (e.g., special status species occurrences) in the vicinity of the release.

Our deliverable will consist of a memorandum summarizing potential biological resource impacts associated with the release.

##### **Sub-Task 2- Resource Impact Monitoring**

URS will quantify (i.e., number and size) and mark large oak trees that were directly impacted by the release. Subsequently, URS proposes to conduct monitoring of the health and condition of oak trees as follows: monthly monitoring for 3 months after the release (August through October), then quarterly monitoring for 1 year (through August 2006).

Our deliverables will consist of quarterly status memoranda detailing the condition of the biological resources in the vicinity of the release.

##### **Sub-Task 3- Erosion Control and Restoration Plan**

URS will assess the site condition after remediation activities, if any, have been completed.

Based on the results of our assessment we will prepare an erosion control and native plant restoration plan.

Our deliverables will consist of the following:

- Draft erosion control and restoration plan including a schematic drawing of the project area and specification for work activities.
- Final erosion control and restoration plan and specifications, and cost estimate. This task does not include implementation of erosion control or restoration, or post-restoration monitoring.

**Task 8 – Agency Meetings, Coordination and Mitigation Planning**

URS staff will attend meetings with resource agencies (e.g., California Department of Fish and Game (CDFG)) concerned with the biological impacts associated with the release, as needed. We will also coordinate and develop mitigation plans, as needed. Our deliverables will be determined at the agency meetings, if any.

**Biological Resource Proposed Schedule:**

Sub-Task 1 and Sub-Task 2 tree assessment will be completed within 14 days of approval of scope of work. The second part of Sub-Task 2 will be executed on a monthly basis between September and November 2005 (3 site visits), and quarterly between December 2005 and August 2006 (3 site visits). Sub-Task 3 will be completed within 21 days following the completion of remediation activities. Sub-Task 4 will be completed on an as needed basis.

**Task 9 – Investigation Meetings**

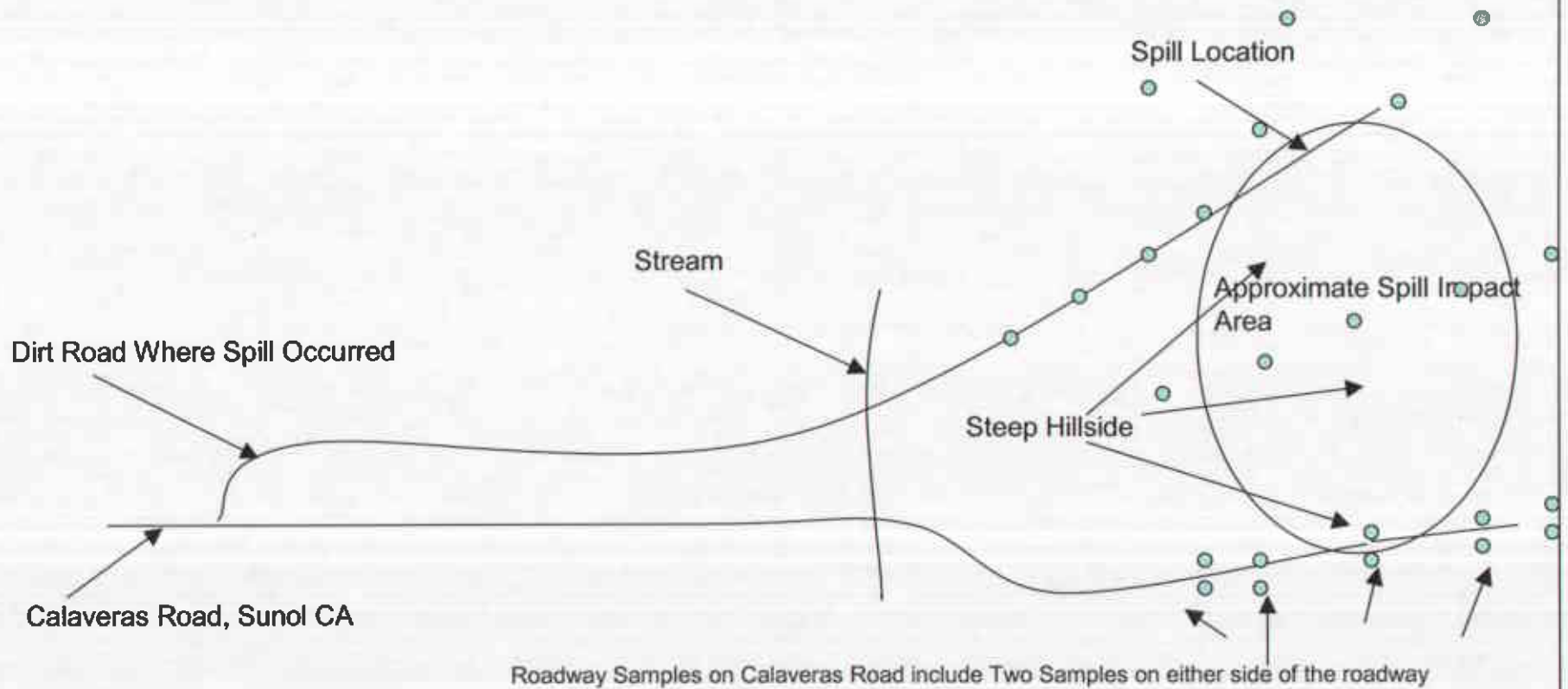
URS will participate in up to two meetings with relevant agencies as needed.

**SCHEDULE**

Following receipt of written authorization, URS will conduct the investigation sampling at a mutually agreed upon time with Chevron during the weeks of August 22 and/or August 29 depending on our subcontractor availability. Laboratory samples will be run on standard turn around time.



○ Proposed Sampling Locations



Roadway Samples on Calaveras Road include Two Samples on either side of the roadway

**Chevron Pipeline Company**  
**Sunol Pipeline Spill Area Not to Scale**

**URS Oakland, CA**  
**Figure 1**  
**Not to Scale**

**Wickham, Jerry, Env. Health**

---

**From:** Levi, Ariu, Env. Health  
**Sent:** Wednesday, August 24, 2005 9:48 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Drogos, Donna, Env. Health; Hugo, Susan, Env. Health; Chan, Barney, Env. Health; Torrence, Susan, DA  
**Subject:** Pipeline release

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Bob will encourage Chevron to release their information (with regard to the actual release) to us and he will consult with his staff person that is the direct oversight agent to pass on the info he has developed. Bob indicated that his group is willing to put on training on their role at releases and also to show us where lines exist in our county. Sounds like a deal we should take him up on.

**Wickham, Jerry, Env. Health**

---

**From:** Joe\_Morgan@URSCorp.com  
**Sent:** Wednesday, August 24, 2005 9:45 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Cosgray, Jeffrey (JCOS)  
**Subject:** RE: Regulatory lead

Jerry, I am reviewing the workplan for editorial issues as we correspond. I will send it to you for your review within the hour. The proposed workplan follows our discussion in the field. We can be in the field tomorrow if you approve the workplan.

Joe Morgan

Joe Morgan III  
Senior Project Manager  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Telephone - 510-874-3201  
Fax - 510-874-3268

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"Wickham, Jerry,  
Env. Health"  
<jerry.wickham@ac  
gov.org>

08/24/2005 09:34  
AM

"Cosgray, Jeffrey \ (JCOS\)"  
<JCOS@chevron.com>

<joe\_morgan@URSCorp.com>

RE: Regulatory lead

To

cc

Subject

Jeff,  
I have not received the work plan to date. Is the work plan delayed?

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

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



file

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

August 24, 2005

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082-6696

Subject: SLIC Case No. RO0002892, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA  
– Work Plan Approval

Dear Mr. Cosgray:

Alameda County Environmental Health (ACEH) staff has reviewed the work plan entitled, "Soil and Groundwater Investigation Work Plan," dated August 24, 2005, prepared on your behalf by URS Corporation. The work plan proposes a scope of work consisting of 7 tasks to evaluate the impacts of a gasoline release from a Chevron pipeline at the above-referenced site. ACEH concurs with the proposed scope of work provided that the technical comments below are addressed.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below. Please keep ACEH informed of the proposed schedule for field activities (e-mail preferred to [jerry.wickham@acgov.org](mailto:jerry.wickham@acgov.org)).

**TECHNICAL COMMENTS**

- 1. Proposed Soil Boring Locations.** The proposed soil boring locations are acceptable. However, if odor, staining, or elevated photoionization detector (PID) readings are observed in soil samples from borings located outside the estimated "spill impact area," additional borings are to be added to extend each of the proposed transects to fully define the lateral extent of the spill.
- 2. Soil Samples.** Soils are to be continuously logged in each of the soil borings. The proposed fixed depths for collecting soil samples are acceptable. However, soil samples are also to be collected for laboratory analysis within intervals where staining, odor, or elevated photoionization readings are detected.
- 3. Depth of Soil Borings along Calaveras Road.** The proposed depth of 20 feet for soil borings along Calaveras Road is acceptable if groundwater is encountered during drilling within 20 feet below grade. If groundwater is not encountered within 20 feet below grade during drilling, the borings are to be extended until groundwater is first encountered or boring refusal. Below a depth of 20 feet, soil samples are to be collected for laboratory analyses at minimum five-foot intervals and where staining, odor, or elevated photoionization readings are detected. Groundwater samples are to be collected from temporary well screens in each boring.

### **TECHNICAL REPORT REQUEST**

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

- **September 8, 2005** – Laboratory Results, Boring Logs, and Recommendations for Additional Investigation
- **October 10, 2005** – Subsurface Investigation 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**

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

### **PERJURY STATEMENT**

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

### **PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS**

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to

present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

**UNDERGROUND STORAGE TANK CLEANUP FUND**

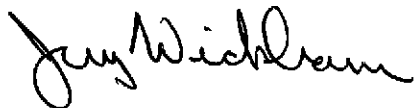
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

**AGENCY OVERSIGHT**

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

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Joe Morgan III, URS Corporation, 1333 Broadway, Suite 800, Oakland, CA 94612

Joe Naras, San Francisco Public Utilities Commission, Natural Resources Division,  
1657 Rollins Road, Burlingame, CA 94010

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

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

Susan Hugo, ACEH  
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

August 19, 2005

Mr. Jeff Cosgray  
Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082-6696

Subject: SLIC Case RC [REDACTED] Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA

Dear Mr. Cosgray:

In order for ACEH to review reports for your site, we would require an oversight account for the above-referenced site. To set up your account, please send a check in the amount of \$8,000.00 payable to Alameda County Environmental Health. Please send your check to the attention of our Finance Department.

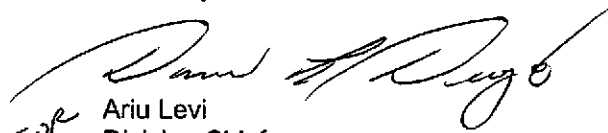
This initial deposit may or may not be sufficient to provide all necessary regulatory oversight. ACEH will deduct actual costs incurred based upon the hourly rate specified below. If these funds are insufficient, additional deposit will be requested. Otherwise, any unused monies will be refunded to you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

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

Please write "SLIC" (the type of project), the site address, and the AR# 314746 on your check.

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

Sincerely,

*FOR*   
Ariu Levi  
Division Chief

cc: D. Drogos, J. Jacobs, Jerry Wickham

jerry.wickham@acgov.org

From: Cosgray, Jeffrey (JCOS) [mailto:JCOS@chevron.com]  
Sent: Friday, August 19, 2005 8:30 AM  
To: Wickham, Jerry, Env. Health  
Cc: joe\_morgan@urscorp.com  
Subject: RE: Regulatory lead

Thanks Jerry. We hope to have our work plan finalized by late Monday and get it to you then by e-mail.

Jeff Cosgray  
Sr. Site Remediation Specialist

Health Environment and Safety  
Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082

Tel 281 596 3564  
Fax 866 653 0301  
Mob 713 408 0348  
mailto:jcos@chevron.com

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]  
Sent: Friday, August 19, 2005 10:28 AM  
To: Cosgray, Jeffrey (JCOS)  
Cc: joe\_morgan@urscorp.com  
Subject: Regulatory lead

Jeff,

Alameda County Environmental Health will be the lead regulatory agency for the Sunol pipeline case. Please address correspondence and reports to me.

Regards,

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



**Drogos, Donna, Env. Health**

---

**From:** Hugo, Susan, Env. Health  
**Sent:** Monday, August 15, 2005 6:46 PM  
**To:** Bartus Jepsen, Cynthia, Env. Health; Browder, Ronald, Env. Health; Levi, Ariu, Env. Health; Reed, Bonnie, Env. Health; Tung, Mee Ling, Env. Health; Atkinson-Adams, Don, Env. Health; Mathew, Raju, Env. Health; Torres, Ronald, Env. Health; Pitcher, Bill, Env. Health; Drogos, Donna, Env. Health  
**Subject:** Chevron Pipeline Gasoline Spill (approx. 15,000 gallons) in Sunol; 2793 Calaveras Road  
**Importance:** High

Updates: 8-15-05

Barney Chan and Jerry Wickham went to the site this morning. I also went to the site; arrived at around 11:15 am; Met Jody Naas (AICo Battalion Chief), Gregg Hirst (AICo PWs), Mike Garrett and Robert Kurima (Chevron contacts). Fish & Game, CDF and Highway Patrol were at the site earlier in the morning. Pipeline is undergoing repair and emergency cleanup is on going.

Since this incident is a pipeline release, cleanup oversight should be under a state agency ( RWQCB or Fish & Game). Env Health will be the lead only if RWQCB or Fish & Game will not take the case. RWQCB was notified but has not visited the site. Alco Fire and Alco PWs needed cleanup guidance from Env. Health. I informed them that RWQCB has to be notified before Env Health can take the lead role for the necessary long term cleanup.

I came back to the office and contacted Stephen Hill from the RWQCB. He referred me to Keith Leichten (510-622-2380). I spoke to Keith and informed him that Env Health will wait for their response if they are taking the lead role for the cleanup. Keith will call me back tomorrow.

I called Mike Garrett of Chevron at 5:30 pm and told him that Chevron has to update the OES spill report - info on the release and on going cleanup. I also asked him to send me a copy of the statement Chevron will release to the media.

8/31/2005

R02842

**Wickham, Jerry, Env. Health**

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**From:** Cosgray, Jeffrey (JCOS) [JCOS@chevron.com]  
**Sent:** Friday, August 19, 2005 8:30 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** joe\_morgan@urscorp.com  
**Subject:** RE: Regulatory lead

Thanks Jerry. We hope to have our work plan finalized by late Monday and get it to you then by e-mail.

**Jeff Cosgray**

Sr. Site Remediation Specialist

**Health Environment and Safety**

Chevron Pipe Line Company  
2811 Hayes Road, Room 1366C  
Houston, TX 77082

Tel 281 596 3564  
Fax 866 653 0301  
Mob 713 408 0348  
<mailto:jcos@chevron.com>

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**From:** Wickham, Jerry, Env. Health [<mailto:jerry.wickham@acgov.org>]  
**Sent:** Friday, August 19, 2005 10:28 AM  
**To:** Cosgray, Jeffrey (JCOS)  
**Cc:** joe\_morgan@urscorp.com  
**Subject:** Regulatory lead

Jeff,

Alameda County Environmental Health will be the lead regulatory agency for the Sunol pipeline case. Please address correspondence and reports to me.

Regards,

*Jerry Wickham*

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

8/19/2005

8-15-05

Dave Rocha - Al Co. Fire  
670-5878 →

nearest cross st Geary  
reported as natural gas leak;  
but found out gasoline leak;

360 barrel spill  
→ scene on pipeline overnight

Cause of the release -

→ (925) 766-5203  
Robert T. Kurima - Chewco

4:30 pm. Last

5:00 pm Ap 8/14

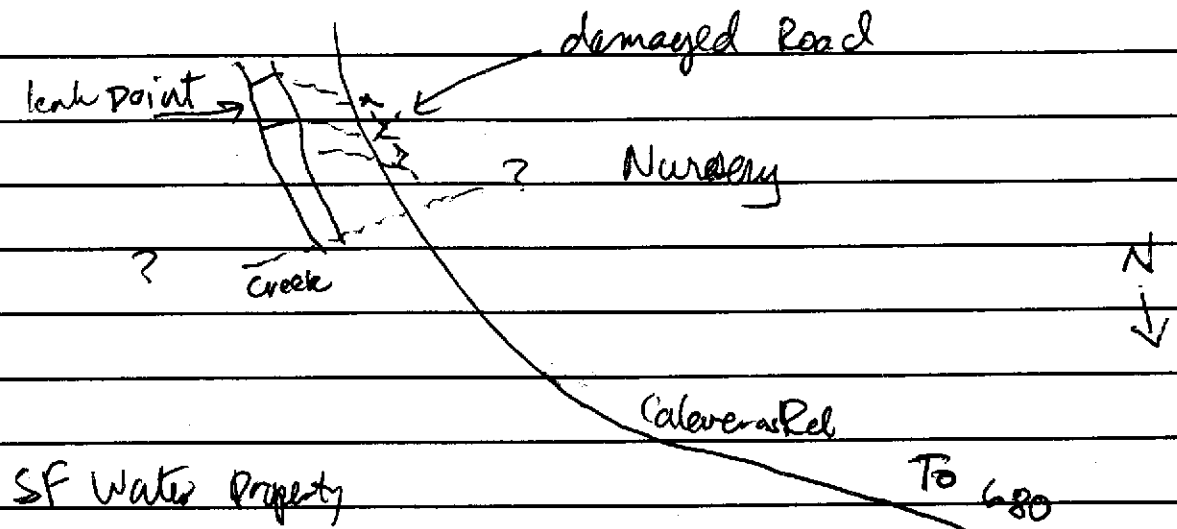
- Fishy Can
- CDF
- Al Co. Dept
- Highway Patrol

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

STID #: \_\_\_\_\_ FACILITY NAME: 2.58mi Calaveras Rd Sunol PG. \_\_\_\_\_ OF \_\_\_\_\_

SUPPLEMENTAL FORM Chem pipeline rupture

Arrive: ~11:00



Apparently after initial repair, the pressure test failed & there was additional release. Universal Env. is performing the cleanup/excavation/Road repair. Contractor ruptured pipeline. Soil near leak and roadway below being excavated & profiled for disposal. After pipeline repair & road repair, Chemtron may contact ACEH or other responsible agency to confirm sampling. Return @ 4:00 pm / and other investigation/mediation actions. SF RWQCB, Keith ~~Lichten~~ Lichten 622-2380 notified of release & his message was that Board may send someone out, however, since it appeared that gw had not been impacted, maybe not.

PRINT NAME: \_\_\_\_\_ INSPECTED BY: B. Chan  
 SIGNATURE: \_\_\_\_\_ DATE: 8/15/05

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

HAZARDOUS MATERIALS RELEASE AND NOTIFICATION REPORT (H&SC 25180.7)  
EMERGENCY RESPONSE

1. INFORMATION RECEIVED

BY: C. BARTUS - JEPSEN  
DATE: 8/14/05 TIME: 17:45

2. INCIDENT LOCATION: 2793 Calaveras Rd  
CITY: Sunol ZIP: \_\_\_\_\_

3. DATE OF INCIDENT: 8/14/05 TIME OF INCIDENT: 1745

4. REPORTED BY: Kathy Baldwin AGENCY: Chevron Pipeline  
ADDRESS: \_\_\_\_\_ CITY, ZIP: \_\_\_\_\_  
TELEPHONE: 281-460-7088 CONTACT: \_\_\_\_\_  
C - 925-766-9207 PHONE: \_\_\_\_\_

5. TYPE OF DISCHARGE:

- Discharge from vehicle License Plate No. \_\_\_\_\_  
Manifest/Shipping Information: \_\_\_\_\_  
 Abandoned Material  Fixed facility  
Name: \_\_\_\_\_ Address: \_\_\_\_\_  
City: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Other (specify) Discharge from ruptured gasoline pipeline

6. ESTIMATED QUANTITY DISCHARGED: 10,000 gallon gasoline  
QUANTITY THREATENED TO BE RELEASED: \_\_\_\_\_

7. NATURE OF MATERIAL:

- Solid  Liquid  Gas  Powder  Granular  
 Radioactive  Other  
Chemical Common Name: \_\_\_\_\_

Name: \_\_\_\_\_

8. HAZARDOUS PROPERTIES:  Corrosive  Ignitable  Toxic  
 Reactive  Other

9. HAZARDOUS MATERIAL WAS RELEASED TO:

- Air  Storm Drain  San Francisco Bay  Sanitary Sewer  
 Other Natural Waterway (creek, lake, reservoir)  Groundwater  
 Ground surface (soil, road, etc.)  Other (specify) possibly creek

10. WEATHER CONDITIONS: FAIR - WARM

11. NUMBER OF INJURED PERSONS REQUIRING HOSPITALIZATION: 0  
Names and Addresses of Hospitals Utilized: \_\_\_\_\_

PERSONS PRESENT AT SCENE:

Name:	Affiliation:	Phone:
ALCO FIRE - JODY NAAS		510-641-5527
CHEVRON - MIKE GARRETT, ROBERT KURUMA		925-766-5203
UNIVERSAL ENV, CDF		
GREG HILST	PUBLIC WORKS	
	ACEH - J.W. KATHAN	567-6791
	B. CHAN	567-6765

RESPONSIBLE PARTY:

Name: TBD Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_

EVIDENCE COLLECTED (samples, photographs, etc.)

PHOTOGRAPHS

CLEAN-UP ACTIONS: SOIL EXCAVATED NEAR RELEASE

Names and Addresses of Persons Doing Clean-up:

UNIVERSAL

Description of Clean-up Actions:

EXCAVATION OF SOIL AND IMPAIRED ROADWAY

TIME INCIDENT CLOSED: \_\_\_\_\_

ELAPSED TIME: \_\_\_\_\_

DISCHARGE NOT TO BE NOTIFIED:

- \_\_\_\_\_ Unlikely to Cause Substantial Injury to Public Health & Safety
- \_\_\_\_\_ Public Knowledge
- \_\_\_\_\_ Permitted Discharge
- \_\_\_\_\_ Ongoing Criminal Investigations
- \_\_\_\_\_ Other

DISCHARGE TO BE NOTIFIED:

Factors Determining That This Hazardous Waste Discharge Of Potential Discharge Is Likely To Cause Substantial Injury To The Public Health Or Safety:

Notification:

- \_\_\_\_\_ Board of Supervisors
- \_\_\_\_\_ Health Officers
- \_\_\_\_\_ Alameda County Press Room
- \_\_\_\_\_ Reporting Agency or Individual

By copy of this report to the above listed agencies and officials, we are hereby submitting this information on behalf of all designated employees of the Department of Environmental Health, according to Section 25180.7, Health & Safety Code. The information submitted in this report is based upon the best available information at the time the report was completed.

Inspector's Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Inspector's Signature: \_\_\_\_\_



# GOVERNOR'S OFFICE OF EMERGENCY SERVICES Hazardous Materials Spill Report

<b>DATE:</b> 08/14/2005 <b>TIME:</b> 1902	<b>RECEIVED BY:</b> OES - Bob Mcrae OSPR -	<b>CONTROL#:</b> OES - 05-4777 NRC -
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**1.a. PERSON NOTIFYING GOVERNOR'S OES:**

1. NAME: Kathy Baldwin      2. AGENCY: Chevron Pipeline      3. PHONE#: 281-460-7088      4. Ext:      5. PAG/CELL: 925-766-9207

**1.b. PERSON REPORTING SPILL (If different from above):**

1. NAME:      2. AGENCY:      3. PHONE#:      4. Ext:      5. PAG/CELL:

**2. SUBSTANCE TYPE:**

2. a. SUBSTANCE:	b. QTY: >=<	Amount	Measure	c. TYPE:	d. OTHER:
1. Gasoline	=	300	Bbl.(s)	PETROLEUM	
2.	=				
3.	=				

e. DESCRIPTION: Unknown reason for the spill. The pipeline has been shut down

f. CONTAINED: Yes      g. WATER INVOLVED: No      h. WATERWAY:      i. DRINKING WATER IMPACTED: No

3. a. INCIDENT LOCATION: 2793 Calaveras Rd. near Sunol      d. ZIP:  
b. CITY: Unincorporated county area      c. COUNTY: Alameda County

**4. INCIDENT DESCRIPTION:**

a. DATE: 08/14/2005      b. TIME (Military): 1745      c. SITE: Pipe Line  
d. INJURIES#: 0      e. FATALS #: 0      f. EVACS #: 0      g. CLEANUP BY: Reporting Party

Same as #1. "PERSON NOTIFYING OES"

**5. SUSPECTED RESPONSIBLE PARTY:**

a. NAME:      b. AGENCY:      c. PHONE#:      d. EXT.:  
e. MAIL ADDRESS:      f. CITY:      g. STATE: CA      h. ZIP:

**6. NOTIFICATION INFORMATION:**

a. ON SCENE: CDF, Fire Dept., Police Dept.      b. OTHER ON SCENE:      c. OTHER NOTIFIED:

d. ADMIN. AGENCY: Alameda County Environmental Health      e. SEC. AGENCY:

f. NOTIFICATION LIST: DOG Unit: 6

RWQCB Unit: 2

<input checked="" type="checkbox"/> AA/CUPA	<input checked="" type="checkbox"/> USFWS	<input type="checkbox"/> DHS-D.O.	<input type="checkbox"/> FOOD & AG	<input type="checkbox"/> OSHA	<input type="checkbox"/> USCG
<input checked="" type="checkbox"/> DFG-OSPR	<input type="checkbox"/> AIR RESOURCES BD	<input checked="" type="checkbox"/> DOG	<input type="checkbox"/> LANDS	<input type="checkbox"/> PARKS & REC	<input type="checkbox"/> USDOJ
<input checked="" type="checkbox"/> DTSC	<input type="checkbox"/> CAL TRANS	<input checked="" type="checkbox"/> EB PARKS	<input checked="" type="checkbox"/> OES HAZMAT UNIT	<input type="checkbox"/> PUC	<input type="checkbox"/> OTHER
<input checked="" type="checkbox"/> RWQCB	<input type="checkbox"/> CDF	<input type="checkbox"/> EMSA	<input checked="" type="checkbox"/> OES PLANS UNIT	<input checked="" type="checkbox"/> SFM	
<input checked="" type="checkbox"/> US EPA	<input type="checkbox"/> COASTAL COM	<input type="checkbox"/> FEMA	<input checked="" type="checkbox"/> OES RBG	<input type="checkbox"/> USMMS	



**GOVERNOR'S OFFICE OF EMERGENCY SERVICES  
Hazardous Materials Spill Report**

<b>DATE:</b> 08/14/2005 <b>TIME:</b> 1902	<b>RECEIVED BY:</b> OES - Bob Mcrae OSPR -	<b>CONTROL#:</b> OES - 05-4777 NRC -
--	--	--

**1.a. PERSON NOTIFYING GOVERNOR'S OES:**

1. **NAME:** Kathy Baldwin      2. **AGENCY:** Chevron Pipeline      3. **PHONE#:** 281-460-7088      4. **Ext:**      5. **PAG/CELL:** 925-766-9207

**1.b. PERSON REPORTING SPILL (If different from above):**

1. **NAME:**      2. **AGENCY:**      3. **PHONE#:**      4. **Ext:**      5. **PAG/CELL:**

**2. SUBSTANCE TYPE:**

2. a. SUBSTANCE:	b.QTY:>=<	Amount	Measure	c. TYPE:	d. OTHER:
1. Gasoline	=	300	Bbl.(s)	PETROLEUM	
2.	=				
3.	=				

e. **DESCRIPTION:** Unknown reason for the spill. The pipeline has been shur down

f. **CONTAINED:** Yes      g. **WATER INVOLVED:** No      h. **WATERWAY:**      i. **DRINKING WATER IMPACTED:** No

3. a. **INCIDENT LOCATION:** 2793 Calaveras Rd. near Sunol  
b. **CITY:** Unincorporated county area      c. **COUNTY:** Alameda County      d. **ZIP:**

**4. INCIDENT DESCRIPTION:**

a. **DATE:** 08/14/2005      b. **TIME (Military):** 1745      c. **SITE:** Pipe Line  
d. **INJURIES#** 0      e. **FATALS #:** 0      f. **EVACS #:** 0      g. **CLEANUP BY:** Reporting Party

Same as #1. "PERSON NOTIFYING OES"

**5. SUSPECTED RESPONSIBLE PARTY:**

a. **NAME:**      b. **AGENCY:**      c. **PHONE#:**      d. **EXT.:**  
e. **MAIL ADDRESS:**      f. **CITY:**      g. **STATE:** CA      h. **ZIP:**

**6. NOTIFICATION INFORMATION:**

a. **ON SCENE:** CDF, Fire Dept., Police Dept.      b. **OTHER ON SCENE:**      c. **OTHER NOTIFIED:**

d. **ADMIN. AGENCY:** Alameda County Environmental Health      e. **SEC. AGENCY:**

f. **NOTIFICATION LIST:** DOG Unit: 6

RWQCB Unit: 2

<input checked="" type="checkbox"/> AA/CUPA	<input checked="" type="checkbox"/> USFWS	<input type="checkbox"/> DHS-D.O.	<input type="checkbox"/> FOOD & AG	<input type="checkbox"/> OSHA	<input type="checkbox"/> USCG
<input checked="" type="checkbox"/> DFG-OSPR	<input type="checkbox"/> AIR RESOURCES BD	<input checked="" type="checkbox"/> DOG	<input type="checkbox"/> LANDS	<input type="checkbox"/> PARKS & REC	<input type="checkbox"/> USDOJ
<input checked="" type="checkbox"/> DTSC	<input type="checkbox"/> CALTRANS	<input checked="" type="checkbox"/> BB PARKS	<input checked="" type="checkbox"/> OES HAZMATUNIT	<input type="checkbox"/> PUC	<input type="checkbox"/> OTHER
<input checked="" type="checkbox"/> RWQCB	<input type="checkbox"/> CDF	<input type="checkbox"/> EMSA	<input checked="" type="checkbox"/> OES PLANS UNIT	<input checked="" type="checkbox"/> SPM	
<input checked="" type="checkbox"/> US EPA	<input type="checkbox"/> COASTAL COM	<input type="checkbox"/> FEMA	<input checked="" type="checkbox"/> OES REG	<input type="checkbox"/> USMMS	





# GOVERNOR'S OFFICE OF EMERGENCY SERVICES Hazardous Material Spill Update

**CONTROL#:** 05-4777 **NRC #**

**NOTIFY DATE/TIME:**  
08/14/2005 / 1902

**RECEIVED BY:**  
Bob Mcrae  
**OCCURANCE DATE:**  
08/14/2005

**CITY/OP. AREA:**  
Unincorporated county area/  
Alameda County

**1.a. PERSON NOTIFYING GOVERNOR'S OES:**

**PERSON CALLING OES:** Kathy Baldwin  
**AGENCY:** Chevron Pipeline

**PAGER #(CELLPHONE):** 925-766-9207  
**PHONE#:** 281-460-7088 **Ext:**

**1.b. PERSON REPORTING SPILL (If different from above):**

**PERSON CALLING OES:**  
**AGENCY:**

**PAGER #(CELLPHONE):**  
**PHONE#:** **Ext:**

**SUBSTANCE TYPE:**

a. SUBSTANCE:	b. QTY: <i>Amount</i>	<i>Measure</i>	c. TYPE:	d. OTHER:
1. Gasoline	300	Bbl.(s)	PETROLEUM	
2.				
3.				
4.				

**SITUATION UPDATE:** NRC report received #769058

**FAX NOTIFICATION LIST:**

DOG, EB PARKS, OES HAZMATUNIT, OES PLANS UNIT, OES REG, SFM

AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS,

**ADMINISTERING AGENCY:**

Alameda County Environmental Health

**SECONDARY AGENCY:**

**OTHER NOTIFIED:**

Created by: Warning Center on: 08/14/2005 07:28:23 PM Last Modified by: Warning Center on: 08/14/2005 07:29:13 PM

\*\*\*\*\* End of Form \*\*\*\*\*