



Carryl MacLeod
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6506
cmacleod@chevron.com

May 10, 2013

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RECEIVED

By Alameda County Environmental Health at 10:18 am, May 22, 2013

Re: Former Texaco Service Station 317233
2259 First Street
Livermore, California
ACEHS Case RO2908

I accept the Work Plan for Near-Surface Soil Removal and Surface Mitigation

I agree with the conclusions and recommendations presented in this document. The information included is accurate to the best of my knowledge, and appears to meet local agency and Regional Board guidelines. This work plan was prepared by Conestoga Rovers & Associates, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,

A handwritten signature in cursive script that reads "Carryl MacLeod".

Carryl MacLeod
Project Manager

Attachment: Work Plan for Near-Surface Soil Removal and Surface Mitigation



**CONESTOGA-ROVERS
& ASSOCIATES**

10969 Trade Center Drive, Suite 107
Rancho Cordova, California 95670
Telephone: (916) 889-8900 Fax: (916) 889-8999
www.CRAworld.com

May 20, 2013

Reference No. 312264

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

Re: Work Plan for Near-Surface Soil Removal
and Surface Mitigation
Former Chevron Service Station 307233
2259 First Street
Livermore, California
Agency Case RO2908

Dear Mr. Wickham:

Conestoga-Rovers & Associates (CRA) is submitting this *Work Plan for Near-Surface Soil Removal and Surface Mitigation* at the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (Chevron). In a letter dated November 26, 2012 (Attachment A), Alameda County Environmental Health (ACEH) requested submittal of a work plan for interim removal action to address lead impact in shallow soil.

Although CRA's June 21, 2012 HHRA concluded that current park users and workers are not at risk due to shallow lead, given the park's location, use, and potential for change in use, ACEH requested that a mitigation plan be developed to address shallow lead impacted soil. As discussed during a telephone conversation between ACEH and CRA on January 9, 2013, it was agreed that the intent of the mitigation plan is to prevent direct contact with soil impacted by lead exceeding 80 milligrams per kilogram. As further agreed, the mitigation will involve removal of the upper one foot of lead impacted soil in areas that can be excavated without removal of existing structures, walkways, or established vegetation. In areas that cannot be easily excavated, additional mitigation measures will be employed, including covering areas of exposed soil near mature vegetation with geo-fabric and bark. In addition, a soil management plan will be prepared (and submitted under separate cover) to address deeper lead impacts in the event that future redevelopment of the park occurs.

The City of Livermore (City) is currently in the planning stage for park renovation. Based on conversations with the City of Livermore, final plans for the renovation are expected to be completed by the end of June 2013. Implementation of this work plan will be coordinated with and completed in conjunction with the City's park renovation project to minimize disruption to park users.

Equal
Employment Opportunity
Employer



May 20, 2013

Reference No. 312264

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PROPOSED SCOPE OF WORK

In areas where removal of soil is possible, CRA proposes to excavate shallow soil to 1 foot below finished grade in the areas of shallow lead impact (Figure 2). Excavated soil will be stored in bins, profiled, and disposed of at a select-for-use facility chosen by Chevron. Clean fill will then be placed in the excavated area and re-landscaped per the City's renovation plan. It is likely that the City will provide the necessary equipment and personnel to perform the soil removal and associated work. CRA will oversee removal of the near-surface soil within the impacted area shown on Figure 2. Confirmation soil samples will not be collected since the area of shallow soil lead impact has been adequately defined.

In areas where excavation is not possible due to established trees or other vegetation, surface exposure mitigation measures will be implemented such as installing a geo-fabric covered with bark or mulch. Areas of shallow soil lead impact that are covered with concrete/pavers will not be excavated as the surface exposure has already been mitigated.

Site Health and Safety Plan

CRA will prepare a site-specific health and safety plan (HASP) to protect site workers during shallow soil excavation and mitigation activities. The plan will be kept onsite, reviewed, and followed during all field activities. The HASP will be signed by all site workers and visitors.

Permits

CRA will obtain the necessary permits (if needed) from the City prior to beginning field operations. A minimum of 48 hours of notice will be given to ACEH prior to beginning activities.

Utility Location

CRA will mark the site for Underground Service Alert (USA) clearance. USA and a licensed geophysicist will be contacted a minimum of 48 hours prior to field activities to mark and identify locations of utilities in the area of the near-surface excavation.

Reporting

Upon completion of the mitigation activities, CRA will prepare a report documenting the work performed. The report will be submitted to ACEH approximately six weeks after completion of the field activities.



**CONESTOGA-ROVERS
& ASSOCIATES**

May 20, 2013

Reference No. 312264

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Please contact Brian Silva at (916) 889-8908 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

A handwritten signature in black ink, appearing to be 'BS' with a long horizontal stroke extending to the right.

Brian Silva

A handwritten signature in black ink, appearing to be 'Greg Barclay'.

Greg Barclay, PG 6260



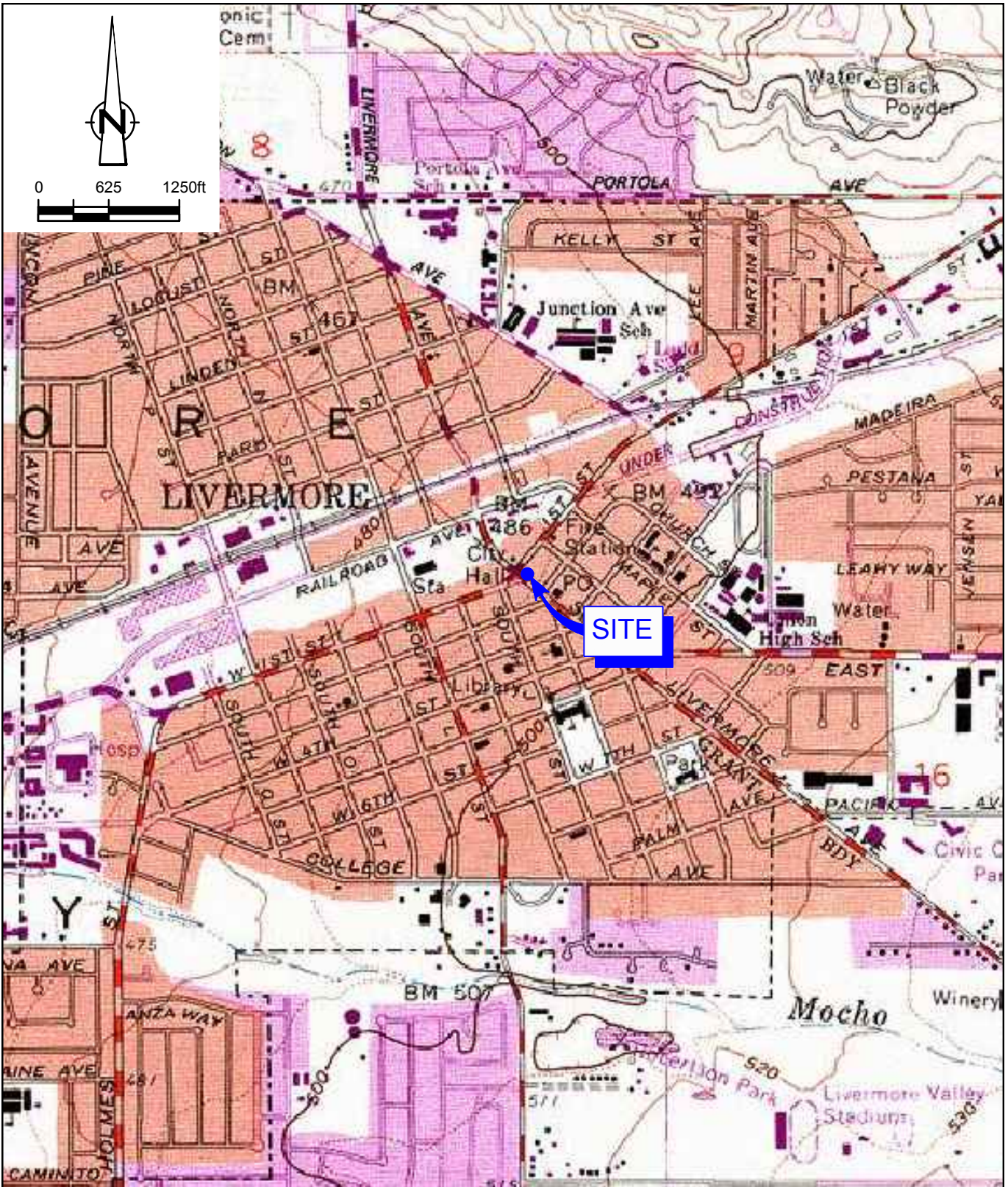
BJS/de/25
Encl.

Figure 1 Vicinity Map
Figure 2 Site Plan with Proposed Monitoring Well Locations

Attachment A Regulatory Correspondence

cc: Carryl MacLeod, Chevron Environmental Management Company (*electronic only*)
 Eric Uranaga, City of Livermore Community Development

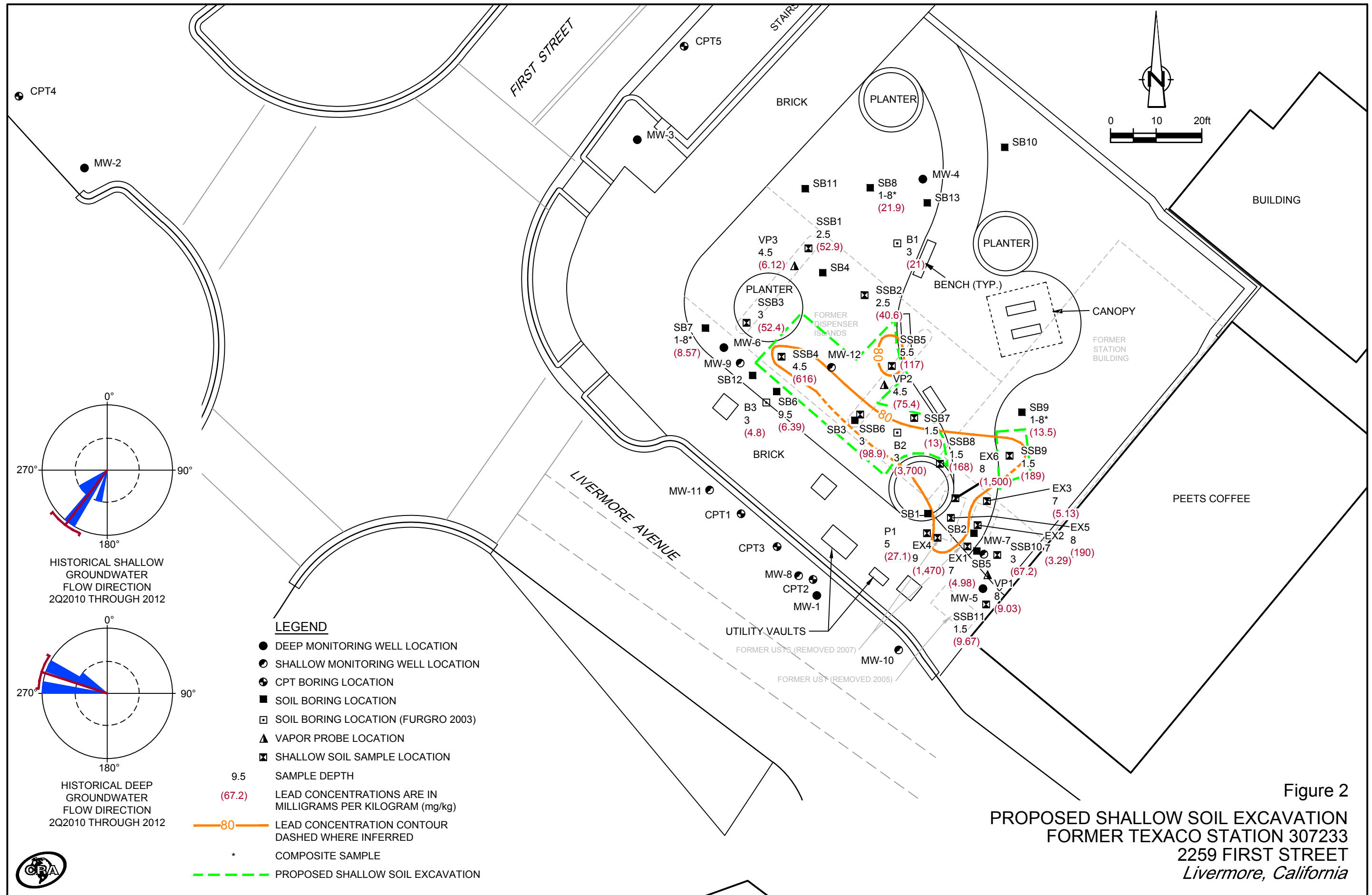
FIGURES



SOURCE: TOPO! MAPS.

Figure 1
 VICINITY MAP
 FORMER TEXACO STATION (CHEVRON SITE 307233)
 2259 FIRST STREET
 Livermore, California





ATTACHMENT A
REGULATORY CORRESPONDENCE



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

November 26, 2012

Ms. Carryl MacLeod (*Sent via E-mail to: cmacleod@chevron.com*)
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583

Mr. Eric Uranga (*Sent via E-mail to: ejuranga@ci.livermore.ca.us*)
City of Livermore Economic Development
1052 S. Livermore Ave.
Livermore, CA 94550

Subject: Review of Human Health Risk Evaluation for Fuel Leak Case No. RO0002908 and GeoTracker Global ID T0600196622, Miller Square Park, 2259 First Street, Livermore, CA 94550

Dear Ms. MacLeod and Mr. Uranga:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above referenced site including the document entitled, "*Human Health Risk Assessment for Lead*," dated June 21, 2012 and received by ACEH on July 11, 2012 (HHRA). The HHRA, which was prepared on behalf of Chevron by Conestoga Rovers & Associates (CRA), presents a risk evaluation for lead in shallow soil within Mills Square Park. Using shallow soil data, the HHRA calculated a 95% upper confidence limit (UCL) of 611 milligrams per kilogram (mg/kg). The maximum concentration of lead detected in shallow soil at the site is 3,700 mg/kg. Based on exposure assumptions for a child park user, the HHRA calculated a PRG-90 value of 1,079 mg/kg. Based on exposure assumptions for an adult park worker, the HHRA calculated a PRG-90 value of 795 mg/kg. Using these exposure assumptions and a lead risk assessment spread sheet, the HHRA concluded that the PRG-90 values were above the 95% UCL and that the levels of lead in shallow soil will not result in a concern for either a child user or adult worker at the park.

Although the HHRA concludes that current users and workers are not at risk due to the shallow lead, the exposure assumptions could change if park use were to change. Given the location of the lead contamination within a centrally located public park, the potential for park use and exposure assumptions to change, the uncertainty in characterization data, and the fact that the lead contamination will remain in a highly-trafficked public area, we believe that the lead in shallow soil should be mitigated to prevent future exposure. The lead is in shallow soil that can be readily mitigated by removal. Therefore, we request that you submit an Interim Removal Action Work Plan to remove shallow soil with lead concentrations greater than 80 mg/kg.

TECHNICAL COMMENTS

1. **Groundwater Monitoring.** In order to evaluate the effectiveness of gypsum applications, we request that you conduct quarterly groundwater monitoring using the three new wells along with wells MW-8 and MW-9. The remaining groundwater monitoring wells are to continue to be sampled on a semi-annual basis during the first and third quarters. Please present results from the groundwater monitoring along with complete descriptions of the gypsum applications in the groundwater monitoring reports requested below.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

- **January 29, 2013** – Quarterly Groundwater Monitoring Report – Fourth Quarter 2012
File to be named: GWM_IRR_YYYY-mm-dd RO2908
- **February 1, 2013** – Work Plan for Interim Removal Action
File to be named: WP_R_YYYY-mm-dd RO2908
- **April 29, 2013** – Quarterly Groundwater Monitoring Report – First Quarter 2013
File to be named: GWM_IRR_R_YYYY-mm-dd RO2908

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.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachments: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

Responsible Parties
RO0002908
November 26, 2012
Page 3

cc: Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551 (*Sent via E-mail to: cwiney@zone7water.com*)

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566 (*Sent via E-mail to: DStefani@lpfire.org*)

John Rigter, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566(*Sent via E-mail to: jrigter@lpfire.org*)

Brandon Wilken, Conestoga-Rovers & Associates, 5900 Hollis Street, Suite A
Emeryville, CA 94608 (*Sent via E-mail to: BWilken@croworld.com*)

Tina Hariu, Conestoga-Rovers & Associates, 5900 Hollis Street, Suite A, Emeryville, CA 94608 (*Sent
via E-mail to: thariu@croworld.com*)

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)

Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker, eFile

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT/DATA REQUESTS

These reports/data are being requested pursuant to Division 7 of the California Water Code (Water Quality), Chapter 6.7 of Division 20 of the California Health and Safety Code (Underground Storage of Hazardous Substances), and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations (Underground Storage Tank Regulations).

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (Local Oversight Program [LOP] for unauthorized releases from petroleum Underground Storage Tanks [USTs], and Site Cleanup Program [SCP] for unauthorized releases of non-petroleum hazardous substances) require submission of reports in electronic format pursuant to Chapter 3 of Division 7, Sections 13195 and 13197.5 of the California Water Code, and Chapter 30, Articles 1 and 2, Sections 3890 to 3895 of Division 3 of Title 23 of the California Code of Regulations (23 CCR). Instructions for submission of electronic documents to the ACEH FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the ACEH FTP site is in addition to requirements for electronic submittal of information (ESI) to the State Water Resources Control Board's (SWRCB) Geotracker website. In April 2001, the SWRCB adopted 23 CCR, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1 (Electronic Submission of Laboratory Data for UST Reports). Article 12 required electronic submittal of analytical laboratory data submitted in a report to a regulatory agency (effective September 1, 2001), and surveyed locations (latitude, longitude and elevation) of groundwater monitoring wells (effective January 1, 2002) in Electronic Deliverable Format (EDF) to Geotracker. Article 12 was subsequently repealed in 2004 and replaced with Article 30 (Electronic Submittal of Information) which expanded the ESI requirements to include electronic submittal of any report or data required by a regulatory agency from a cleanup site. The expanded ESI submittal requirements for petroleum UST sites subject to the requirements of 23 CCR, Division, 3, Chapter 16, Article 11, became effective December 16, 2004. All other electronic submittals required pursuant to Chapter 30 became effective January 1, 2005. Please visit the SWRCB website for more information on these requirements. (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/)

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, 7835, 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, late 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.

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	REVISION DATE: July 25, 2012
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (petroleum UST and SCP) 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.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as a **single Portable Document Format (PDF) with no password protection.**
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

- 1) Obtain User Name and Password
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to .loptoxic@acgov.org
 - b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses,** and the **Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <://alcoftp1.acgov.org>
 - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to .loptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload.** (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.