



Olivia Skance
Team Lead
Marketing Business Unit

**Chevron Environmental
Management Company**
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6521

November 2, 2011

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED

10:01 am, Nov 09, 2011

Alameda County
Environmental Health

Re: Chevron Facility # 9-1740

Address: 6550 Moraga Avenue, Oakland, California

I have reviewed the attached report titled Well Destruction Report and dated November 2, 2011.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report 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.

Sincerely,

Olivia Skance
Project Manager

Enclosure: Report



**CONESTOGA-ROVERS
& ASSOCIATES**

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

November 2, 2011

Reference No. 611978

Mr. Mark Detterman, P.G., C.E.G.
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Well Destruction Report
Chevron Service Station 9-1740
6550 Moraga Avenue
Oakland, California
Case No. RO0000256

Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) has prepared this *Well Destruction Report* on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above (Figure 1). The remaining site monitoring wells (C-2 through C-4) were destroyed in accordance with the ACEH letter dated September 16, 2011 (Attachment A) as the last step prior to formal case closure. The work was performed under permit from the Alameda County Public Works Agency-Water Resources Division (ACPWA). A copy of the permit is included as Attachment B.

On October 21, 2011, CRA Staff Scientist Ben Summersett observed Confluence Environmental (Confluence) (C-57 License No. 913194) destroy the three monitoring wells (Figure 2). In accordance with the ACPWA permit, the wells were destroyed by filling with neat cement grout using a tremie pipe and removing the well boxes. The well box excavations were backfilled with concrete to surface grade to match surrounding conditions. CRA's standard field procedures for monitoring well destruction are included as Attachment C.

The only waste material generated during the work was the removed well boxes; these were taken offsite by Confluence for municipal disposal or recycling. The Department of Water Resources (DWR) Well Completion/Destruction Forms (Form 188) will be submitted to DWR and ACPWA within 30 days of this report.

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**CONESTOGA-ROVERS
& ASSOCIATES**

November 2, 2011

2

Reference No. 611978

We appreciate your assistance with this project and look forward to receipt of the remedial action completion certificate. Please contact James Kiernan at (916) 889-8917 if you have any questions or need any additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

James P. Kiernan, P.E.

BS/lg/7

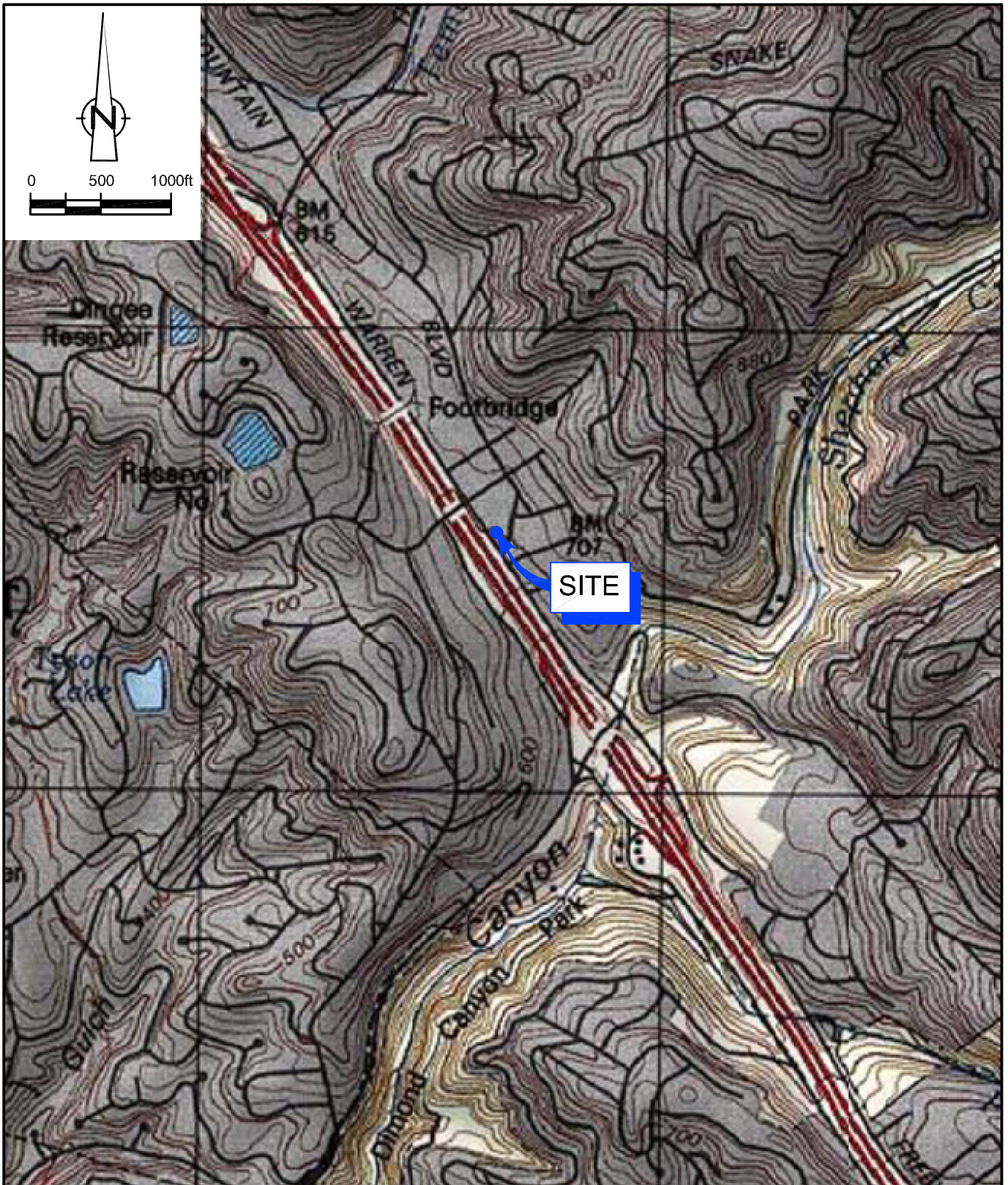


Figure 1 Vicinity Map
Figure 2 Site Plan

Attachment A ACEH Letter Dated September 16, 2011
Attachment B Well Destruction Permit
Attachment C Standard Field Procedures

cc: Ms. Olivia Skance, Chevron (electronic copy only)
 Mr. Ken and Mrs. Carla Betts
 Mr. Douglas Durein, Ken Betts, Inc.

FIGURES

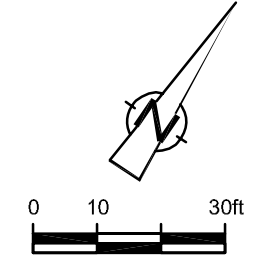


SOURCE: TOPOIMAP

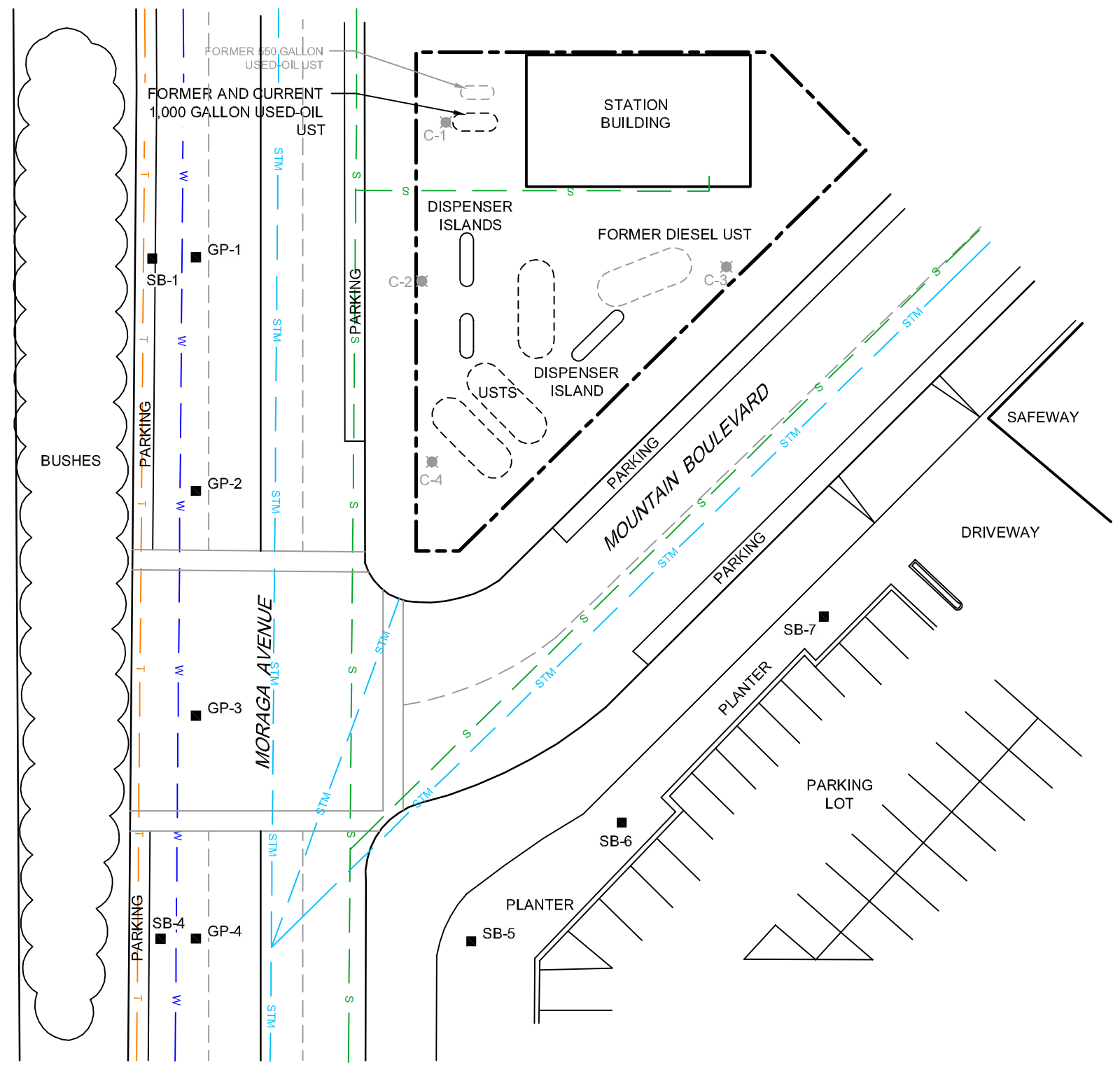
figure 1

VICINITY MAP
 CHEVRON SERVICE STATION 9-1740
 6550 MORAGA AVENUE
 Oakland, California





WARREN FREEWAY (STATE ROUTE 13)



LEGEND

- GP-1 ■ SOIL BORING LOCATION
- C-1 ■ DESTROYED MONITORING WELL LOCATION
- s — SEWER LINE
- STM — STORM DRAIN
- w — WATER LINE
- T — SBC LINE

figure 2
 SITE PLAN
 CHEVRON SERVICE STATION 9-1740
 6550 MORAGA AVENUE
 Oakland, California



* FEATURES OUTSIDE OF SERVICE STATION NOT SURVEYED

ATTACHMENT A

ACEH LETTER DATED SEPTEMBER 16, 2011

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director



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

September 16, 2011

Ms. Olivia Skance
Chevron Environmental Management
6001 Bollinger Canyon Rd.
PO Box 6012
San Ramon, CA 94583
(sent via electronic mail to Olivia.Skance@chevron.com)

Mr. Kenneth and Carla Betts
175 Indian Road
Piedmont, CA 94610-1222

Mr. Doug Durein
Ken Betts, Inc.
770 Wesley Way
Oakland, CA 94610

Subject: Monitoring Well Decommissioning for Case Closure of Fuel Leak Case No. RO0000256
(Global ID # T0600100353), Chevron #9-1740, 6550 Moraga Avenue, Oakland, CA
94611

Dear Ms. Skance, Mr. and Mrs. Betts, and Mr. Durein:

Alameda County Environmental Health (ACEH) and California Regional Water Quality Control Board staffs have reviewed the fuel leak case file and case closure summary for the above-referenced site and concur that no further action related to the underground storage tank fuel release is required at this time. Prior to issuance of a remedial action completion certificate, monitoring wells at the site must be properly destroyed, per California Water Code and all current record owners of fee title to the site must be notified by the primary or active responsible party of the proposed closure action.

ACEH requests that you address the following technical comments, perform the proposed work, and send us the technical reports requested below by the date identified. Upon receipt of the requested documents a remedial action completion certificate will be sent to the responsible party.

TECHNICAL COMMENTS

1. **Monitoring Well Destruction** – ACEH requests that you contact Alameda County Public Works Agency at (510) 567-6791 to obtain the necessary permits, decommission the well, and electronically upload the well destruction report to ACEH's ftp server and the State Water Resources Control Board's GeoTracker website within forty five (45) days from the date of this letter (June 10, 2011).

Upon our receipt of the report of well decommissioning, (which includes confirmation of investigation derived waste disposal) this office will issue you the Remedial Action Completion Certificate.

NOTIFICATION OF FIELDWORK ACTIVITIES

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork.

TECHNICAL REPORT REQUEST

Please submit the following deliverable to ACEH (Attention: Mark Detterman), according to the following schedule:

- **November 23, 2011** – Well Destruction Report

Online case files are available for review at the following website: <http://www.acgov.org/aceh/lop/ust.htm>. Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: James Kiernan, 10969 Trade Center Drive, Suite 106, Rancho Cordova, CA 95670
(Sent via E-mail to: jkiernan@croworld.com)

Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (Sent via E-mail to: lgriffin@oaklandnet.com)

Donna Drogos, ACEH, (Sent via E-mail to: donna.drogos@acgov.org)
Mark Detterman, ACEH, (Sent via E-mail to: mark.detterman@acgov.org)
Geotracker, Case Electronic File

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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) require submission of reports in electronic form. The electronic copy replaces paper copies 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 all 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, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). 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, 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.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	REVISION DATE: July 20, 2010
	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 (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.

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 deh.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 <ftp://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 deh.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.

ATTACHMENT B

WELL DESTRUCTION PERMIT

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 09/26/2011 By jamesy

Permit Numbers: W2011-0595 to W2011-0597
Permits Valid from 10/11/2011 to 10/11/2011

Application Id: 1316799772080
Site Location: 6550 Moraga Avenue, Oakland, CA
Project Start Date: 10/11/2011
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

City of Project Site:Oakland

Completion Date:10/11/2011

Applicant: Conestoga - Ben Summersett
10969 Trade Center Dr #107, Rancho Cordova, CA 95670
Property Owner: Ken & Carla Betts
175 Indian Rd., Piedmont, CA 94610
Client: Chevron EMC
6101 Bollinger Canyon Rd., San Ramon, CA 94583

Phone: 916-889-8926

Phone: --

Phone: --

	Total Due:	\$1191.00
Receipt Number: WR2011-0282	Total Amount Paid:	\$1191.00
Payer Name : Conestoga	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 3 Wells

Driller: CONFLUENCE ENVIRONMENTAL INC - Lic #: 913194 - Method: other

Work Total: \$1191.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2011-0595	09/26/2011	01/09/2012	C-2	8.00 in.	2.00 in.	0.00 ft	30.00 ft	No Records	91142	No Records
W2011-0596	09/26/2011	01/09/2012	C-3	8.00 in.	2.00 in.	0.00 ft	25.00 ft	No Records	91142	No Records
W2011-0597	09/26/2011	01/09/2012	C-4	8.00 in.	2.00 in.	0.00 ft	25.00 ft	No Records	91142	No Records

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

Alameda County Public Works Agency - Water Resources Well Permit

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
7. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
8. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

ATTACHMENT C

STANDARD FIELD PROCEDURES

Conestoga-Rovers & Associates

STANDARD FIELD PROCEDURES FOR DESTROYING MONITORING WELLS

This document presents standard field methods for abandoning ground water monitoring wells. The objective of well abandonment is to destroy wells in a manner that is protective of potential water resources. The two procedures most commonly used are pressure grouting and drilling out the well. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Pressure Grouting

Pressure grouting consists of injecting neat Portland cement through a tremie pipe under pressure to the bottom of the well. The cement is composed of about five gallons of water to a 94 lb. sack of Portland I/II Cement. Once the well casing is full of grout, it remains pressurized by applying pressure with a grout pump. The well casing can also be pressurized by extending the well casing to the appropriate height and filling it with grout. In either case, the additional pressure allows the grout to be forced into the sand pack. After grouting the sand pack and casing, the well vault is removed and the area resurfaced or backfilled as required.

Well Drill Out

When well drill out is required, a hollow-stem auger drilling rig is used to drill out the well casing and pack materials. First, drill rods are dropped down the well and used to guide the augers as they drill out the well. Once the well is drilled out, the boring is filled with Portland cement injected through the augers or a tremie pipe under pressure to the bottom of the boring. The well vault is removed and the area resurfaced or backfilled as required.