

June 15, 2007

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

RECEIVED

2:37 pm, Jun 29, 2007

Alameda County
Environmental Health

**Re: Monitoring Well Abandonment Report
76 Service Station No. 6034
4700 First Street
Livermore, California
Delta Project No. C106034071**



Dear Mr. Wickham:

This report has been prepared by Delta Environmental Consultants (Delta) on behalf of ConocoPhillips Company (COP) for the above referenced site (Figure 1). The monitoring well abandonment was conducted as required for site closure.

SCOPE OF WORK

The scope of work completed for the monitoring well abandonment included the following activities:

- Conducted a utility clearance and obtained permits from the Zone 7 Water Agency;
- Prepared a site-specific health and safety plan;
- Measured the total depth of the seven site monitoring wells;
- Removed the well boxes and filled the seven monitoring wells with neat cement; and
- Arranged for disposal of generated waste materials.

PERMITTING, UTILITY NOTIFICATION AND BOREHOLE CLEARANCE

Prior to beginning field operations Delta prepared a Health and Safety Plan in accordance with state and federal requirements. In addition, permits for the monitoring well abandonment were obtained from the Zone 7 Water Agency, included as attachment A. A copy of the letter from the Alameda County Health Agency (ACHA) approving the well abandonment work is provided in Attachment B. Prior to field activities, Underground Service Alert

(USA) was notified as required and a private utility locating service visited the site to clear the monitoring well locations for underground utilities. Three of the monitoring wells are within close proximity of marked underground utilities. Therefore, a Delta employee contacted Mr. Wyman Hong of the Zone 7 Water Agency. Mr. Hong stated that over-drilling of the monitoring wells was not required. Therefore, due to safety concerns all of the monitoring wells were abandoned by pressure grouting only, no over-drilling was conducted.

MONITORING WELL ABANDONMENT ACTIVITIES

On June 7, 2007, Delta supervised the abandonment of seven monitoring wells, MW-1 through MW-7, at the site. Delta employed Gregg Drilling and Testing to properly abandon the monitoring wells. Prior to the abandonment of each of the monitoring wells, the total depth of the monitoring wells was measured to determine if any obstruction or sediment was present. The monitoring well locations are shown on Figure 2. The depths of the monitoring wells were measured using a weighted tape measure and recorded at 28, 25.5, 25.2, 25.4, 23.5, 22.5, and 24 feet below the top of the casing (btc) in monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7, respectively.

Subsequent to measuring the depths of the monitoring wells the well boxes and the surrounding concrete were removed using a jackhammer. The monitoring wells were then pressure grouted with neat cement to the top of their respective well casings. The remaining void created by the removal of the well boxes and concrete was then backfilled with concrete and dyed black to match the existing surface.

DISPOSAL OF DERIVED WASTE

Waste derived during the monitoring well abandonment activities are temporarily being stored on-site in appropriately labeled 55-gallon Department of Transportation (DOT) approved drums pending disposal arrangements. The waste will be transported off-site by a licensed waste hauler once an approved destination for the waste is found.

CONCLUSIONS

The previously discussed groundwater monitoring well abandonment activities conclude COP's environmental work at the subject site. COP looks forward to receiving the formal closure letter from the ACHA.

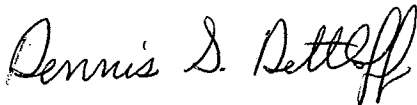
REMARKS/SIGNATURES

The recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this

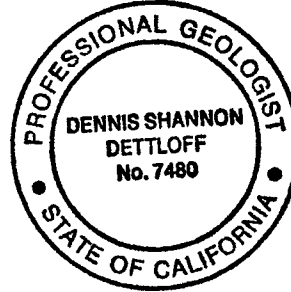
paragraph, Delta makes no express or implied warranty as to the contents of this report.

If you have questions regarding this assessment report, please call Dennis Dettloff at (916) 503-1261.

Sincerely,
Delta Consultants



Dennis S. Dettloff, P.G.
Senior Project Manager
California Registered Professional Geologist No. 7480

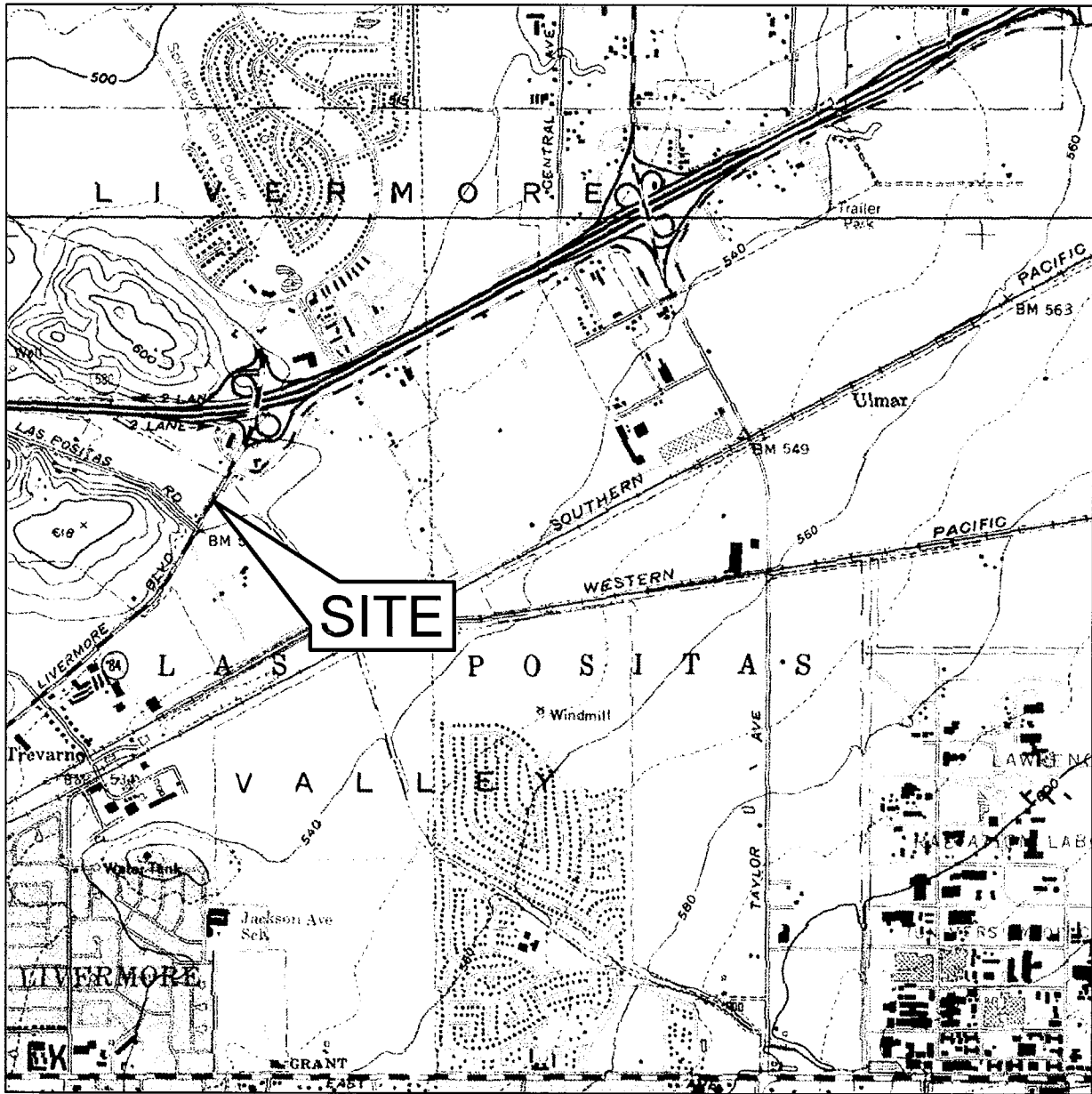


cc: Ms. Shelby Lathrop, ConocoPhillips (electronic copy)
Mr. Asghar Kholdi, Station Owner (copy)

Figures Figure 1 – Site Location Map
 Figure 2 – Site Plan

Appendix A – Zone 7 Water Agency – Well Destruction Permit Application
Appendix B – ACHA - Letter dated March 13, 2007 approving the monitoring well abandonment

FIGURES



0 1000 FT 2000 FT
SCALE: 1 : 24,000



FIGURE 1

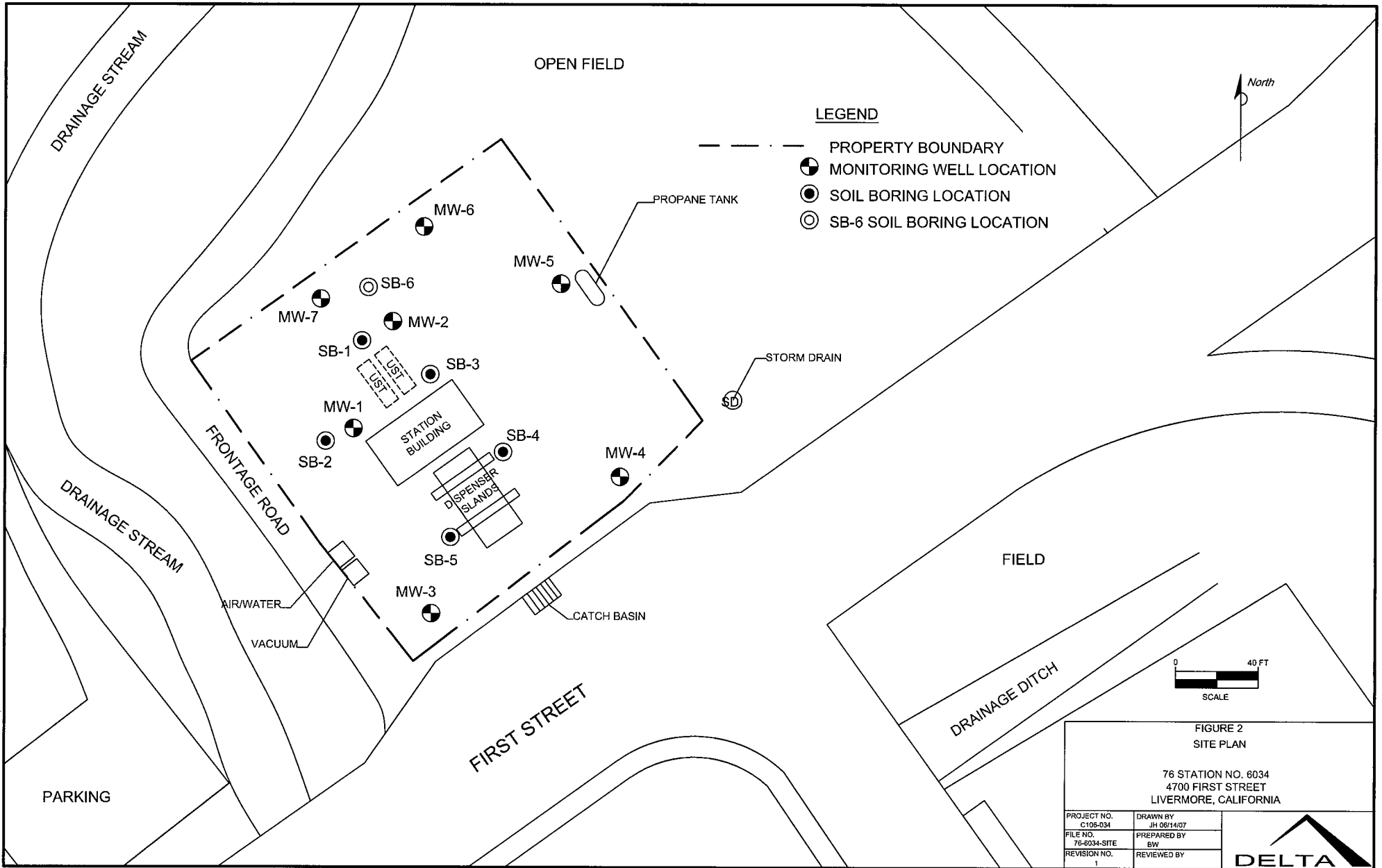
SITE LOCATION MAP

76 STATION NO. 6034
4700 FIRST STREET
LIVERMORE, CALIFORNIA

PROJECT NO. C106-034	DRAWN BY JH 06/14/07
FILE NO. Site Locator 6034	PREPARED BY MC
REVISION NO. 1	REVIEWED BY



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, ALTAMONT QUADRANGLE, 1995



ATTACHMENT A

***Zone 7 Water Agency
Well Destruction Permit Application***



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

100 NORTH CANYONS PARKWAY, LIVERMORE, CA 94551-9486

PHONE (925) 454-5000

May 23, 2007

Mr. Dennis Dettloff
Delta Environmental Consultants
3164 Gold Camp Drive, Suite 200
Rancho Cordova, CA 95670

Dear Mr. Dettloff:

Enclosed is drilling permit 27092 for the destruction of monitoring wells 3S/2E-3K24 to 3S/2E-3K27 (MW-1 to MW-4) and 3S/2E-3K29 to 3S/2E-3K31 (MW-5 to MW-7) at 4700 First Street in Livermore for ConocoPhillips. Also, enclosed is a current drilling permit application. Drilling permit applications for future projects can be downloaded from our web site (www.zone7water.com).

Please note that permit condition A-2 requires that a well destruction report be submitted after completion of the work. The report should include a description of methods and materials used to destroy the wells, location sketch, date of destruction, and permit numbers. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 5056 or Matt Katen at extension 5071.

Sincerely,

Wyman Hong
Water Resources Specialist

Enc.



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 4700 First Street, Livermore
CA 94551

PERMIT NUMBER 27092
WELL NUMBER 3S/2E-3K24, 3K25, 3K26, 3K27, 3K29,
APN 099-0021-011-03 3K30, 3K31 (MW-1 to MW-7)

California Coordinates Source _____ ft Accuracy - _____ ft
CCN _____ ft. CCE _____ ft.
APN _____

PERMIT CONDITIONS

(Circled Permit Requirements Apply)

CLIENT Name Conoco-Phillips (Shelby Lathrop)
Address 76 Broadway Phone (916) 558-7609
City Sacramento Zip 95818

- (A) GENERAL**
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
 2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and location sketch for geotechnical projects.
 3. Permit is void if project not begun within 90 days of approval date.

APPLICANT Name Delta Environmental Consultants (Dennis Dettloff)
Address 3164 Gold Camp Dr. Ste. 200 Phone (916) 503-1261
City Rancho Cordova Zip 95670

- B. WATER SUPPLY WELLS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
 3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
 4. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT

Well Construction	Geotechnical Investigation
Cathodic Protection ..	General ..
Water Supply ..	Contamination ..
Monitoring ..	<u>Well Destruction ..</u>

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WELL USE

New Domestic ..	Irrigation ..
Municipal ..	Remediation ..
Industrial ..	Groundwater Monitoring ..
Dewatering ..	Other ..

- D. GEOTECHNICAL.** Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:

Mud Rotary ..	Air Rotary ..	<u>Hollow Stem Auger ..</u>
Cable Tool ..	Direct Push ..	Other ..

- E. CATHODIC.** Fill hole above anode zone with concrete placed by tremie.

DRILLING COMPANY Gregg Drilling & Testing Inc.
DRILLER'S LICENSE NO. 985165 C-57

- (F) WELL DESTRUCTION.** See attached.
(G) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soil and water laboratory analysis results.

WELL PROJECTS

Drill Hole Diameter <u>8</u> in.	Maximum
Casing Diameter <u>2</u> in.	Depth <u>28</u> ft
Surface Seal Depth _____ ft.	Number <u>7</u>

SOIL BORINGS

Number of Borings _____	Maximum
Hole Diameter _____ in.	Depth _____ ft.

ESTIMATED STARTING DATE 6/5/2007
ESTIMATED COMPLETION DATE 6/6/2007

Approved Wyman Hong Date 5/22/07
Wyman Hong

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No 73-68
APPLICANT'S SIGNATURE Dennis Dettloff Date 5/22/07
Dennis Dettloff

ATTACH SITE PLAN OR SKETCH

May 23, 2007

**Zone 7
Water Resources Engineering
Groundwater Protection Ordinance**

**ConocoPhillips
4700 First Street
Livermore**

**Well 3S/2E-3K24 (MW-1), 3S/2E-3K25 (MW-2), 3S/2E-3K26 (MW-3),
3S/2E-3K27 (MW-4), 3S/2E-3K29 (MW-5), 3S/2E-3K30 (MW-6), 3S/2E-
3K31 (MW-7)
Permit 27092**

Destruction Requirements:

1. Clean out all bridged or poorly compacted materials to the bottom of the well.
2. Sound the well as deeply as practicable and record for your report.
3. Pressure grout the casing to two feet below the finished grade or original ground, whichever is the lower elevation.
4. Remove the casing, seal, and gravel pack to two feet below the finished grade or original ground, whichever is the lower elevation (optional).
5. After the seal has set, backfill the remaining hole with compacted material.

ATTACHMENT B

ACHA
Letter Dated March 13, 2007
Approving The Monitoring Well Abandonment

ALAMEDA COUNTY
HEALTH CARE SERVICES



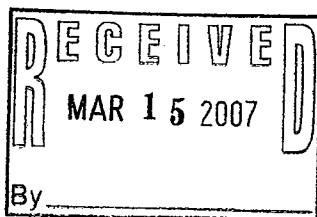
AGENCY

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

March 13, 2007



Shelby Lathrop
ConocoPhillips
76 Broadway
Sacramento, CA 95818

Keith Marks
Suncor Holdings COP II LLC
11601 Wilshire Blvd. #700
Los Angeles, CA 90025

Asghar Kholdi
1319 Winding Stream Drive
Livermore, CA 94551-8935

Subject: Fuel Leak Case No. RO0000258 and Geotracker Global ID T0600101477, Unocal #6034, 4700 First Street, Livermore, CA – Request for Well Decommissioning

Dear Ms. Lathrop, Mr. Kholdi, and Mr. Marks:

Alameda County Environmental Health (ACEH) and California Regional Water Quality Control Board staff 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, the monitoring wells at the site are to be properly destroyed, should the monitoring wells have no further use at the site. Please decommission the monitoring well and provide documentation of the well decommissioning to this office. A remedial action completion certificate will be issued following receipt of the documentation.

Well destruction permits may be obtained from the Alameda County Public Works Agency (<http://www.acgov.org/pwa/wells/index.shtml>). 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