Mindi Kral
Environmental and
Permitting Specialist

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RECEIVED
By Alameda County Environmental Health 11:59 am, May 11, 201

May 8, 2015

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

Dear Mr. Wickham:

I declare, under penalty of perjury, that the information and/or recommendations contained in AECOM's report titled "**SLIC Case No. RO0002892, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA –Well Destruction and Site Closure Report**" are true and correct to the best of my knowledge at the present time.

Submitted by:

Mindi Kral

Mindi Kral, Project Manager
Chevron Pipe Line Company

AECOM
1333 Broadway
Suite 800
Oakland, CA 94612
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510 893 3600 tel
510 874 3268 fax

May 8, 2015

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

Subject: SLIC Case No. RO0002892, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA
Well Destruction and Site Closure Report

Dear Mr. Wickham:

On behalf of the Chevron Pipe Line Company (CPL), AECOM (formerly URS Corporation) is submitting this Well Destruction and Site Closure Report to the Alameda County Department of Environmental Health (ACEH) for the Chevron Sunol Pipeline Site (Site) located at mile post 2.70 along Calaveras Road in Sunol, California (Figure 1). The Site is on land owned by the San Francisco Public Utilities Commission (SFPUC) on both sides of Calaveras Road. Based on our review of the Site background and current conditions, as summarized in the August 2013 *Closure Request* (URS 2013), this Site meets the general and media specific criteria for closure presented in the State Water Resources Control Board's (SWRCB's) *Low Threat Underground Storage Tank Case Closure Policy* (Low Threat Policy 2012), which was adopted into law on August 17, 2012 as Title 23, 2923(Office of Administrative Law File No. 2012 0618 02 S).

ACEH and the SFPUC provided concurrence with the August 2013 *Closure Request* and no further action statement in a letter titled *Well Destruction for SCP Case No. RO0002892 and GeoTracker Global ID SL0600100443, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA 94586* on January 27, 2015. In that letter, ACEH requested all Site monitoring wells be destroyed and this report be submitted. A copy of that letter is included as Attachment A.

This report describes the methods that were used to destroy the 21 groundwater monitoring and soil vapor extraction wells and six piezometers located at the Site during the period of April 13 through 23, 2015.

The following provides descriptions and locations of the wells that were destroyed by pressure grouting. Well construction details are included in Table 1.

- Seven (7) groundwater monitoring wells, MW-1, MW-2, MW-3, MW-4, MW-9, MW-10, and MW-11, were located on the northeast portion of the Valley Crest Tree Company (Valley Crest) nursery at 8501 Calaveras Road.
- Five (5) groundwater monitoring wells, MW-8, MW-12, MW-13, MW-14, and MW-15, were located along the east shoulder of Calaveras Road between mile posts 2.70 and 2.80.
- Nine (9) soil vapor extraction wells, SVE-1D, SVE-2S, SVE-3S, SVE-4D, SVE-5, SVE-6, SVE-7, SVE-8, and SVE-9, were located on the hillside east of Calaveras Road and on the north and south sides of the Chevron pipeline.

The six piezometers located to the north and south of the Chevron pipeline along the upper hillside dirt road were filled with grout and the stick-up portions of the PVC casing removed.

All well boxes and concrete aprons were demolished and removed, and remaining PVC well casing cut off approximately 1-2 feet below ground surface and backfilled with surrounding native soil or

gravel. The locations of the destroyed groundwater monitoring and soil vapor extraction wells are shown on Figure 2.

Following well destruction activities, all remaining hillside improvements (i.e., utility poles and piping related to the former soil vapor extraction system, access staircases, posts, and railings) were demolished and removed. One 2,500-gallon polyethylene fire water tank was given to Valley Crest with the written and agreed-to statement that it was provided "as-is" and would not be utilized for storage of potable water.

Fieldwork Tasks

The following outlines the tasks that were completed during the Well Destruction and Site closure Activities:

Notification

During initial project planning, AECOM completed the SFPUC Project Review Process for the anticipated well destruction and hillside improvement removal activities. AECOM received a Certificate of Completion of the Project Review Process in December 2014. During the week prior to field activities, AECOM notified the SFPUC Watershed Forester and SFPUC Millbrae Dispatch office of the planned start of work.

Permits

Prior to performing the well destruction activities, AECOM obtained well destruction permit 2015036 from the Zone 7 Water Agency (Zone 7) which included approval to destroy the wells by pressure grouting methods. The Zone 7 inspector was contacted within the appropriate time-frame to schedule inspection of well destruction activities, and provided AECOM verbal permission to proceed with well destruction without inspection. The Zone 7 inspector did not visit the Site during the course of the well destruction activities. The Zone 7 well destruction permit is included as Attachment B.

Prior to traffic control required work along the east side of Calaveras Road, AECOM obtained roadway encroachment permit R15LD13826 from Alameda County Public Works Agency (ACPWA). The ACPWA office was contacted the week prior to the start of field activities to arrange for inspection. ACPWA did not visit the Site during the course of roadway encroachment activities. The ACPWA encroachment permit is included as Attachment B.

Health and Safety

AECOM updated the existing site-specific health and safety plan (HASP) and task-specific Job Safety Analyses (JSA) to protect site workers during the well destruction activities. The HASP and JSAs were kept on-Site and reviewed and signed by all site workers and visitors.

On April 6, 2015, AECOM held a project kick-off meeting to discuss project safety, scope, schedule, and specific staff assignments, and to establish field team staffing selections and roles.

Underground Service Alert

On April 8, 2015, AECOM visited the Site and marked the east and west sides of Calaveras Road between mile posts 2.70 and 2.80 for Underground Service Alert (USA) clearance and immediately afterward notified USA by telephone. USA provided AECOM with USA ticket number 157978. As only removal of previously-installed features was planned, utilization of a private utility locator was not required.

CPL Permits to Work

CPL staff provided AECOM Permits to Work for the duration of the field effort. These permits were written by the CPL staff at the daily tailgate meeting for the first day of each new task, with daily extensions approved until the end of the task or the end of the week, whichever came sooner. A new Permit to Work was written at the beginning of each new task or each new week, whichever came sooner. A total of three CPL Permits to Work were required to complete all field activities.

At the beginning and end of each field day, the AECOM field supervisor contacted both the CPL contact (if not already on-Site to provide a Permit to Work) and the SFPUC Millbrae Dispatch office to provide notification of start and stop of daily work activities, as well as any required updates.

Well Destruction Activities
Between April 13 and 20, 2015, AECOM field staff observed Gregg Drilling & Testing, Inc. (Gregg) staff properly destroy groundwater monitoring wells MW-1 through MW-4 and MW-8 through MW-15, and soil vapor extraction wells SVE-1D, SVE-2S, SVE-3S, SVE-4D, and SVE-5 through SVE-9 by pressure grout methods. The well destruction activities were similar for each well, aside from differences in well casing diameter, and are described below:

- The well box and casing cap were removed and the depth to water and total depth of the well were measured using a water level meter, which was decontaminated between each use. Field measurements of total depths were compared to tabulated well construction records, and destruction of the well commenced only after field and tabulated measurements were found to match, within an acceptable margin of error (+/-1 foot for “hard” bottom, and +/-2 feet for “soft bottom).
- A grout mixture consisting of approximately 5 gallons of water per 50 pounds of Type I/II Portland cement was introduced to the well casing by means of a tremie pipe to fill the casing with grout from the bottom up. Grout was added until the level of grout appeared to reach static conditions. Normally, any displaced well water would be captured and appropriately disposed of; however, no displaced well water was encountered during these well destruction activities (Table 2).
- A friction-based or glued fitting was attached to the top of the well casing, and air pressure was applied at a minimum of 25 pounds per square inch (psi) for a period of 5 minutes. Grout was then added, as needed, to top off the grout level in the casing. In the event 25 psi was not held for 5 minutes due to subsidence of the grout column to the top of the well screen, or if the grout surface was observed to have subsided, the casing was topped with additional grout and re-pressurized to 25 psi for an additional 5 minutes. This process was repeated, as needed, until the grout column reached static conditions at 25 psi for 5 minutes.
- After the grout in the well casing had set for typically several hours or overnight, the well box and concrete apron were removed using a 30-pound electric jackhammer. The top 1-2 feet of PVC well casing was cut off, and the resulting void backfilled with site soil to match the surrounding soil and gravel surfaces.

Historic well and survey monument locations and construction details are summarized in Table 1. Specific details, such as field depth measurements, total volume of grout introduced to each well, and successful pressurization of each well are summarized in Table 2. Former well locations are shown on Figure 2. A photographic log showing various well destruction activities is included as Attachment C.

Work at well locations along the east shoulder of Calaveras Road required closure of the northbound lane and one-way traffic controls along the southbound lane of Calaveras Road. Bay Area Traffic Solutions (BATS) was contracted by AECOM to perform traffic control. All roadway encroachment and traffic control work was limited to the encroachment permit-defined work hours of between 9:00 AM and 3:00 PM.

Department of Water Resources (DWR) Well Completion Reports are confidential documents, and are therefore not included in this report. AECOM will submit the completed forms to both Zone 7 and the DWR within 60 days of the well destruction activities. Copies of the DWR Well Completion

Reports were maintained in our files and will be made available for appropriate agency review, upon request.

Variances
On April 20, 2015, an approximately 9-foot deep void in the soil along the well casing exterior was discovered following removal of the well box and concrete apron at well MW-4. Based on field observations at the time, it appears a portion of the well's initial grout seal subsided after well box and concrete apron placement. This void likely existed throughout the well's operational life, and could only be discovered upon its destruction. Immediately upon its discovery, the void was filled with the same grout mixture as was utilized for pressure grout well destruction. Considering this well held 25 psi for 5 minutes during pressure grout activities, the former presence of this void is not expected to have created any negative impacts or conditions.

Piezometer Destruction Activities
On April 17, 2015, AECOM field staff observed Gregg fill by gravity, the six one-inch diameter piezometers using the same grout mixture utilized for the pressure grouting well destruction. Following introduction of grout, the stick-up portion of the piezometer PVC casing was removed to below the ground surface and the hole filled with surrounding soil. The piezometers consisted only of stick-up PVC casing with end-caps, and were not equipped with either well boxes or concrete aprons.

Hillside Structure Removal Activities
Between April 21 and 23, 2015, AECOM field staff observed Cornerstone Environmental Construction, Inc. (Cornerstone) staff demolish and remove all hillside structures and improvements formerly associated with the Site and its former soil vapor extraction system. During this stage of work, the following features were demolished and removed.

On April 21, 2015 AECOM mobilized staff and equipment (backhoe, forklift, vehicles) to the hillside area east of Calaveras Road between mile posts 2.70 and 2.80. AECOM staff verified the isolation from the electrical transmission lines along the east side of Calaveras Road and Cornerstone removed three former temporary utility poles, wiring, and former gas and electric utility conduits from the bottom of the Site's hillside area and access driveway. Cornerstone staff started the removal of the upper staircase, railing, and post structures.

On April 22, 2015 Cornerstone continued the removal of the upper staircase and started removal of the lower staircase, railing, and post structures. Cornerstone delivered the 2,500-gallon polyethylene fire water tank to the northwest portion of the Valley Crest nursery using a forklift, with vehicle escorts both ahead and behind. Cornerstone generated and removed one small bin of concrete debris from the Site. The waste details are provided in the Waste Management section of this report.

On April 23, 2015 Cornerstone completed the removal of the lower staircase, railing, and post structures. Cornerstone also removed one bin of debris that had been accumulated over the course of hillside structure removal from the Site as described in Waste Management section below. Cornerstone cleaned up all remaining equipment and materials and demobilized the forklift to the Valley Crest nursery for later pickup by the rental equipment provider, along with the backhoe.

A photographic log showing various hillside structure removal activities is included as Attachment C.

Survey Monument Locations
Three survey monuments located just east of the barbed wire fence along the east side of Calaveras Road at and north of mile post 2.70 were re-located and clearly marked for future reference during the course of this field mobilization. At each monument, the 1-inch diameter metal pin that marks the surveyed point was cleared of vegetation, marked with fluorescent orange paint, and surrounded by a

small mound of cement grout around the base of the pin. At two of the three locations that had small stones in the vicinity of the monument, stones were painted orange and inlayed into the cement grout. At each monument location, a wooden lathe was hammered into the ground adjacent to the pin and both it and a nearby barbed wire fencepost were painted fluorescent orange.

A photographic log showing the typical survey monument disposition for this Site is included as Attachment C.

Waste Management
No soil or water waste from earlier was generated during the course of the well destruction and hillside structure removal activities.

Concrete and metal debris associated with well destruction activities was removed from the Site by Gregg for recycling on a daily basis.

Concrete debris and general construction debris generated during hillside structure removal activities were accumulated in separate bins provided by All Points Roll-Off, Inc. (APRO) of San Jose, California. One minimally-filled 8-yard bin of concrete debris was removed from the Site by APRO on April 22, 2015. One approximately one-quarter full 30-yard bin of general construction debris was removed from the Site on April 23, 2015.

Selected materials generated during hillside structure removal activities were reused, so as to reduce overall waste generation and to eliminate unnecessary hazards associated with waste generation and handling. The 2,500-gallon polyethylene fire water tank was given to Valley Crest with the written and agreed-to statement that it was provided “as-is” and would not be utilized for storage of potable water. The former utility poles and selected wooden posts that were still in good condition were taken off-Site by Cornerstone staff for reuse upon demobilization.

One approximately one-third full 55-gallon drum of purged groundwater from earlier groundwater sampling and equipment decontamination water remains on-Site, from previous groundwater monitoring and gauging events located at the northeast corner of the Valley Crest nursery in the vicinity of the former Site groundwater monitoring wells. Upon completion of the well destruction and hillside structure removal activities, a sample of the contents of this drum was collected for waste characterization analysis. This drum will be removed by American Integrated Services (AIS) of Fairfield, California and transported to a disposal facility within one week of receipt of the analytical data from the laboratory. AECOM anticipates receiving the laboratory data on May 8, 2015.

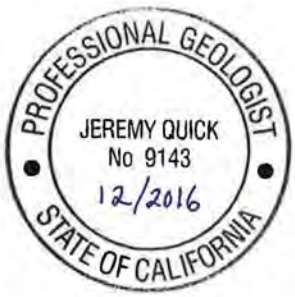
Conclusion
AECOM, on CPL's behalf, completed the requested Site's well destruction and removal of environmental monitoring and remediation site improvements as requested by the ACDEH. AECOM requests a final Closure Letter from ACDEH for the site.

If you have questions, please contact Mr. Jeremy Quick at (510) 708-5411 or Mr. Joe Morgan at (510) 874-3201.

Sincerely,
AECOM

Joe Morgan
Project Manager

Jeremy Quick, P.G.
Geologist



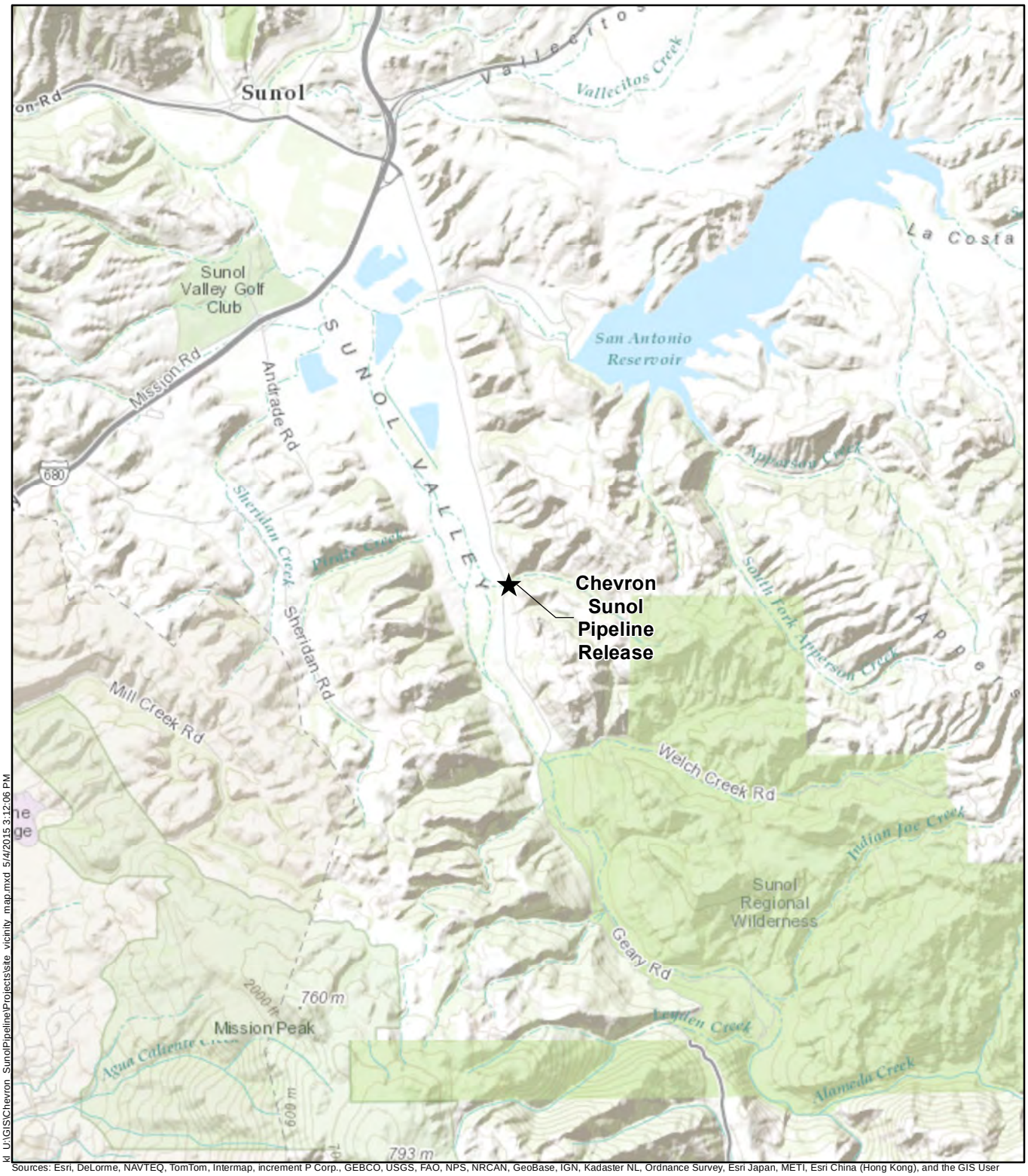
Encl.
Figure 1 Site Vicinity Map
Figure 2 Site Map

Table 1 Well Construction Details & Survey Data
Table 2 Well Destruction Details

Attachments:
A ACEH Well Destruction Letter
B Permits
C Photographic Log

cc: Ms. Mindi Kral, Chevron Pipe Line Company
Ms. Christine Pilachowski, AECOM

Figures



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), and the GIS User

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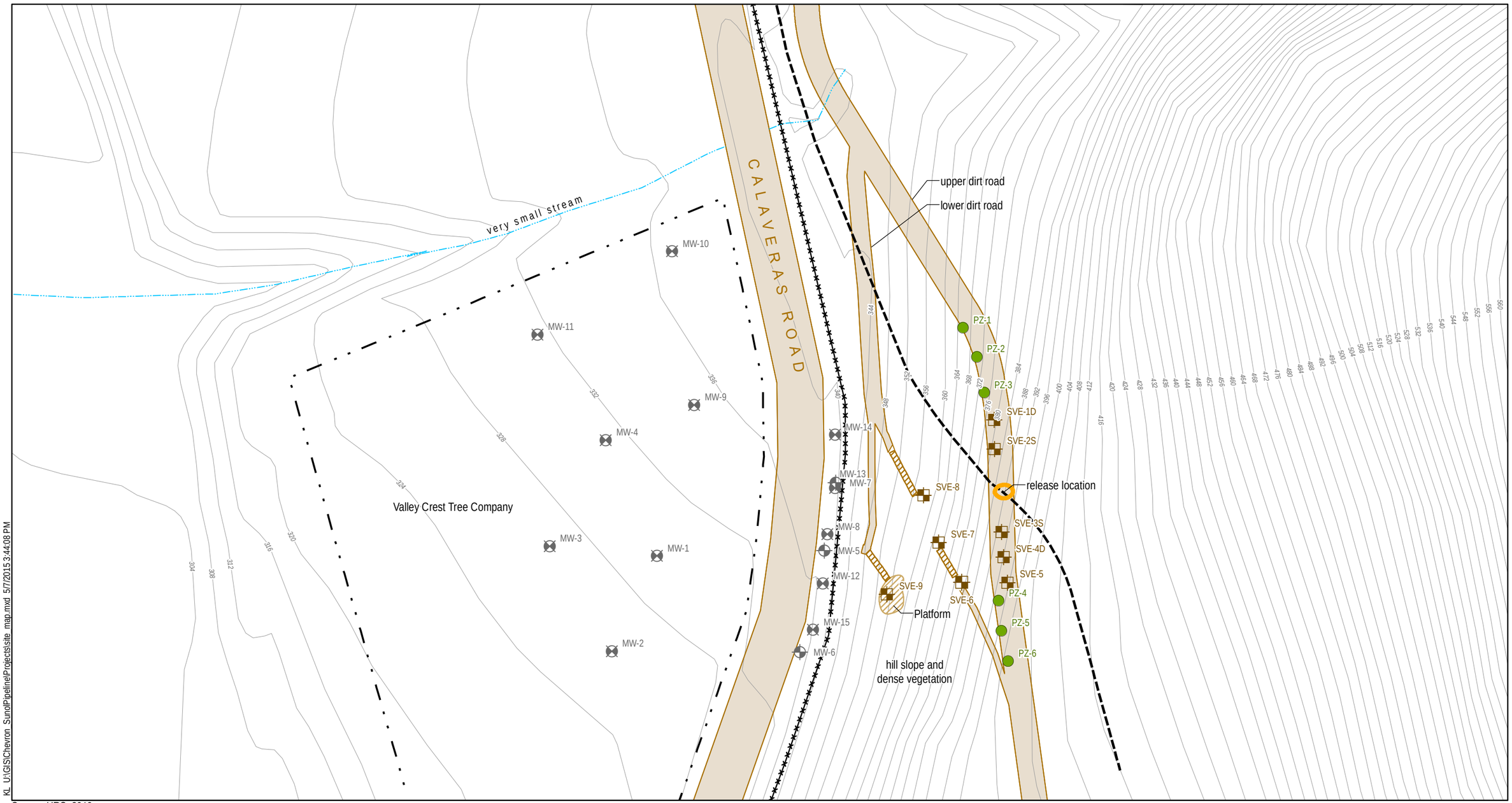
SITE VICINITY MAP

April 2015
26818880

Chevron Sunol Pipeline
Sunol, California

AECOM

FIGURE 1



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Source: URS, 2013.

- Monitoring well – destroyed in April 2015
- Monitoring well – destroyed in June 2008
- SVE well – destroyed in April 2015
- Piezometer – destroyed in April 2015
- Location of slit in pipeline causing release
- 4-foot contour line
- Fence
- Pipeline
- Property line/fence
- Stream
- Road
- Stairs – destroyed in April 2015

0 25 50 FEET

SITE MAP

April 2015
26818880

Chevron Pipe Line Company
Sunol, California

FIGURE 2

Tables

AECOM

Table 1
Well Construction Details & Survey Data
Well Destruction Report
Chevron Sunol Pipeline

Well or Feature ID	Date Completed	Easting	Northing	Ground Surface Elevation (feet msl)	Top of Casing Elevation (feet msl)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Total Depth (feet bgs)	PVC Casing Diameter (inches)
Groundwater Monitoring Wells									
MW-1	10/20/2005	6168139.390	2025761.690	328.490	328.040	29.3	39.3	40.0	4
MW-2	10/21/2005	6168115.960	2025712.040	324.850	324.150	23.3	38.3	39.0	4
MW-3	10/21/2005	6168083.900	2025767.150	326.050	325.650	21.3	36.3	37.0	4
MW-4	01/31/2006	6168112.650	2025821.720	329.970	329.670	30.7	40.7	41.0	4
MW-8	08/15/2006	6168227.451	2025772.924	335.230	333.929	14.5	24.5	25.0	2
MW-9	08/16/2006	6168158.534	2025840.072	333.494	333.071	36.0	46.0	46.5	2
MW-10	09/05/2007	6168146.880	2025919.554	336.550	335.890	40.3	55.3	55.7	2
MW-11	09/06/2007	6168077.240	2025876.366	330.293	329.888	37.0	47.0	47.3	2
MW-12	12/04/2012	6168225.168	2025747.458	334.898	334.584	16.7	26.7	27.0	4
MW-13	12/05/2012	6168231.494	2025796.870	336.789	336.791	15.7	25.7	26.0	4
MW-14	12/03/2012	6168231.397	2025824.439	338.149	337.935	16.0	26.0	26.4	4
MW-15	12/04/2012	6168219.926	2025723.445	333.379	333.429	14.0	24.0	24.4	4
Soil Vapor Extraction Wells									
SVE-1D	11/05/2005	6168313.971	2025831.918	377.367	377.022	12.6	19.6	20.0	4
SVE-2S	11/05/2005	6168314.190	2025817.022	380.540	379.841	5.4	10.4	10.8	4
SVE-3S	11/05/2005	6168317.858	2025774.035	391.613	391.163	5.6	10.6	11.0	4
SVE-4D	11/08/2005	6168318.742	2025761.022	394.459	393.992	17.6	27.6	28.0	4
SVE-5	11/09/2006	6168320.754	2025747.847	--	396.515	29.6	39.6	40.0	2
SVE-6	11/07/2006	6168297.127	2025747.971	--	384.511	9.0	14.0	14.0	1
SVE-7	11/07/2006	6168285.074	2025768.502	--	375.412	4.7	9.7	9.7	1
SVE-8	11/08/2006	6168277.224	2025792.978	--	361.326	2.0	7.0	7.0	1
SVE-9	11/09/2005	6168258.215	2025741.690	--	355.526	2.2	7.2	7.2	1
Former Project Survey Control Points, now SFPUC Survey Monuments									
CP10	--	6167993.903	2026479.756	318.766	--	--	--	--	--
CP11	--	6168136.267	2026162.993	330.698	--	--	--	--	--
CP12	--	6168227.358	2025958.951	343.815	--	--	--	--	--

Abbreviations:
bgs = below ground surface
msl = mean sea level
-- = data not available or not applicable
SFPUC = San Francisco Public Utilities Commission

Notes:
Northing and Easting coordinates are in US Survey Feet and based on the California Coordinate System (Zone 3) using the NAD83 datum.
Elevation values are based on feet above mean sea level using the NAVD88 datum.
Wells MW-5 through MW-7 were previously destroyed, and are not summarized in this table.

AECOM

Table 2
Well Destruction Details
Well Destruction Report
Chevron Sunol Pipeline

Well ID	PVC Casing Diameter (inches)	Date Destroyed	Recorded Total Depth (feet bgs)	Measured Total Depth (feet bgs)	Casing Filled with Grout by Tremie?	Total Grout Injected (gallons)	Total Grout Injected (casing volumes)	Held 25 p.s.i. for 5 minutes?	Well Box Removed and Void Backfilled?
Groundwater Monitoring Wells									
MW-1	4	04/13/2015	40.0	39.55	Yes	30.0	1.19	Yes	Yes
MW-2	4	04/14/2015	39.0	38.64	Yes	33.0	1.33	Yes	Yes
MW-3	4	04/13/2015	37.0	37.48	Yes	51.0	2.13	Yes	Yes
MW-4	4	04/13/2015	41.0	40.60	Yes	25.0	0.96	Yes	Yes
MW-8	2	04/15/2015	25.0	24.54	Yes	22.0	5.60	Yes	Yes
MW-9	2	04/13/2015	46.5	46.00	Yes	14.5	1.97	Yes	Yes
MW-10	2	04/13/2015	55.7	55.16	Yes	17.0	1.93	Yes	Yes
MW-11	2	04/13/2015	47.3	47.00	Yes	12.5	1.66	Yes	Yes
MW-12	4	04/15/2015	27.0	26.60	Yes	32.0	1.88	Yes	Yes
MW-13	4	04/15/2015	26.0	26.14	Yes	27.0	1.61	Yes	Yes
MW-14	4	04/15/2015	26.4	26.18	Yes	25.0	1.49	Yes	Yes
MW-15	4	04/15/2015	24.4	24.32	Yes	22.0	1.41	Yes	Yes
Soil Vapor Extraction Wells									
SVE-1D	4	04/17/2015	20.0	19.06	Yes	18.0	1.48	Yes	Yes
SVE-2S	4	04/17/2015	10.8	8.92	Yes	14.0	2.45	Yes	Yes
SVE-3S	4	04/17/2015	11.0	10.82	Yes	15.0	2.17	Yes	Yes
SVE-4D	4	04/17/2015	28.0	27.80	Yes	30.0	1.69	Yes	Yes
SVE-5	2	04/17/2015	40.0	39.70	Yes	18.0	2.83	Yes	Yes
SVE-6	1	04/16/2015	14.0	13.62	No	1.0	1.84	Yes	Yes
SVE-7	1	04/16/2015	9.7	9.20	No	1.0	2.72	Yes	Yes
SVE-8	1	04/16/2015	7.0	6.80	No	1.0	3.68	Yes	Yes
SVE-9	1	04/16/2015	7.2	7.08	No	1.5	5.30	Yes	Yes

Abbreviations:
bgs = below ground surface
p.s.i. = pounds per square inch

Notes:
Wells MW-5 through MW-7 were previously destroyed, and are not summarized in this table.

Attachment A

ACEH Well Destruction Letter

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

January 27, 2015

Mr. Stephen Gwin (*Sent via E-mail to: gwst@chevron.com*)
Chevron Pipe Line Company
4800 Fournace Place
Bellaire, TX 77401-2324

Mr. Tim Ramirez
San Francisco Public Utilities Commission
Natural Resources and Land Management Division
525 Golden Gate Avenue, 10th Floor
San Francisco, CA 94102

Subject: Well Destruction for SCP Case No. RO0002892 and GeoTracker Global ID SL0600100443, Chevron Sunol Pipeline, 2793 Calaveras Road, Sunol, CA 94586

Dear Mr. Gwin and Mr. Ramirez:

Alameda County Environmental Health (ACEH) staff have reviewed the case file for the above-referenced site and concur that no further action related to the fuel release is required at this time. No comments were received on the proposed case closure during a public comment period that ended January 17, 2015. Please destroy the monitoring wells and provide documentation of the well destruction and waste disposal to this office no later than May 8, 2015. A case closure letter will be issued following receipt of the documentation provided that funding for regulatory oversight is current.

Well destruction permits may be obtained from the Zone 7 Water Agency (http://www.zone7water.com). If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

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:

- **May 8, 2015** – Well Destruction Report
  File to be named: WELL_DCM_R_yyyy-mm-dd RO2892

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Case files can be reviewed online at the following website: http://www.acgov.org/aceh/index.htm.

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

cc: Colleen Winey (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551 (*Sent via E-mail to: cwiney@zone7water.com*)

Joe Morgan III, URS Corporation, 1333 Broadway, Suite 800, Oakland, CA 94612 (*Sent via E-mail to: joe_morgan@urscorp.com*)

Joe Naras, San Francisco Public Utilities Commission, Natural Resources Division (*Sent via E-mail to: JNaras@sfwater.org*)

Casey Sondgeroth, San Francisco Public Utilities Commission, Natural Resources Division (*Sent via E-mail to: CSondgeroth@sfwater.org*)

Neal Fujita, San Francisco Public Utilities Commission, Alameda Watershed Resources Manager (*Sent via E-mail to: NFujita@sfwater.org*)

Craig Freeman, San Francisco Public Utilities Commission, Environmental and Regulatory Compliance Division, 1145 Market Street, Suite 500, San Francisco, CA 94103 (*Sent via E-mail to: CFreeman@sfwater.org*)

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

GeoTracker, eFile

Attachment 1

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:** May 15, 2014
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 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

Permits

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Mile post 2.7 on Calaveras Road and within Valley Crest Tree Company at 8501 Calaveras Rd

Coordinates Source URS Survey ft. Accuracy/ ft.
LAT: 37.55045 ft. LONG: -121.85723 ft.
APN

CLIENT
Name Chevron Pipeline Company
Address 4800 Fournace Place Phone
City Bellaire, TX Zip 77401

APPLICANT
Name Vicky Wiraatmadja
Email vicky.wiraatmadja@aecom.com Fax 510-874-3268
Address 1333 Broadway, Suite 800 Phone 510-874-3186
City Oakland, CA Zip 94117

TYPE OF PROJECT:

Well Construction		Geotechnical Investigation	
Well Destruction	X	Contamination Investigation	
Cathodic Protection		Other	

PROPOSED WELL USE:

Domestic		Irrigation	
Municipal		Remediation	
Industrial		Groundwater Monitoring	
Dewatering		Other	

DRILLING METHOD:

Mud Rotary		Air Rotary		Hollow Stem Auger	
Cable Tool		Direct Push		Other Pressure Grout	X

DRILLING COMPANY Gregg Drilling

DRILLER'S LICENSE NO. C57: 485165

WELL SPECIFICATIONS:
Drill Hole Diameter in. Maximum
Casing Diameter in. Depth ft.
Surface Seal Depth ft. Number

SOIL BORINGS:
Number of Borings Maximum
Hole Diameter in. Depth ft.

ESTIMATED STARTING DATE April 13, 2015
ESTIMATED COMPLETION DATE April 20, 2015

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Vicky Date 2/24/2015

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 2015036
WELL NUMBER see attached map
APN 096-0080-008-00

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your 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 (DWR Form 188), signed by the driller.**
3. Permit is void if project not begun within 90 days of approval date.
4. **Notify Zone 7 at least 24 hours before the start of work.**

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter and six inches for public wells.
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. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

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.

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

(F.) WELL DESTRUCTION. See attached.

G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results.**

Approved Wyman Hong Date 4/3/15
Wyman Hong

Revised: May 17, 2011

Public Works Agency
Alameda County

Roadway Encroachment Permit

Work Order # **80001**

Permit # **R15LD13826**

Permit Issuance Date **3/19/2015**

Permit Expiration Date **3/19/2016**

Name & Address of Property Owner:

San Francisco Public Utility Comission
505 Paloma Way
Sunol, CA 94586

Phone Number:

Job Site Address:

Calaveras Road
Sunol, CA 94586

Name & Address of Applicant/Contractor:

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612

Phone Number: 510-874-3186

Applicant Reference: Milepost 2.7

The permittee intends to perform the following work scope:

Monitoring well destruction and other site closure activities along Calaveras Road with lane closure and traffic control
Milepost 2.7 on Calaveras Road.

All work and/or access shall be performed in accordance with the attached General Provisions and the following Special Provisions:

Bond Type:	Bond Value:	Deposit:	Permit Fee:
	$0.00	$0.00	$324.00

By: _____ Alameda County

Work Completed (Date): _____

Inspector:

I agree to comply with all of the terms and conditions of this Permit, including any Special Provisions specified above.

_____ Permittee (Signature)

_____ Date

Call 510-670-5450, at least 24hr. in advance of starting work, to schedule an inspection.

If the work is within 500' of a traffic signal or in proximity to a streetlight pole, call (510) 670 - 5537 at least 48 hr. in advance to verify the location of County conduits and detector loops.

THIS PERMIT IS INCOMPLETE WITHOUT THE ATTACHED GENERAL PROVISIONS

Attachment C

Photographic Log

PHOTOGRAPHIC LOG

Project Name		Project Number
CPL Sunol Spill	CPL Sunol Spill Well Destruction and Site Closure Report Mile Post 2.70 along Calaveras Road Sunol, California 94586	26818880.273

Photo Number / File Name:	**1** / IMG_2572.JPG	Date / Time:	2015-04-08 / 15:57

Direction Facing

S

Caption

USA markings along the east side of Calaveras Road at the northern edge of the work zone.

Photo Number / File Name:	**2** / IMG_2595.JPG	Date / Time:	2015-04-14 / 08:28

Direction Facing

E

Caption

Grout injections by tremie pipe to fill the well casing (typical). This location is well MW-2.

PHOTOGRAPHIC LOG

Project Name		Project Number
CPL Sunol Spill	CPL Sunol Spill Well Destruction and Site Closure Report Mile Post 2.70 along Calaveras Road Sunol, California 94586	26818880.273

Photo Number / File Name:	**3** / IMG_2596.JPG	Date / Time:	2015-04-14 / 08:43

Direction Facing

E

Caption

Well MW-2 holding 25 pounds per square inch of air pressure during pressure grout well destruction activities.

Photo Number / File Name:	**4** / IMG_2597.JPG	Date / Time:	2015-04-14 / 09:37

Direction Facing

W

Caption

Removal of well box by jackhammer (typical). This location is well MW-10.

PHOTOGRAPHIC LOG

Project Name		Project Number
CPL Sunol Spill	CPL Sunol Spill Well Destruction and Site Closure Report Mile Post 2.70 along Calaveras Road Sunol, California 94586	26818880.273

Photo Number / File Name:	**5** / IMG_2612.JPG	Date / Time:	2015-04-14 / 10:52

Direction Facing

SW

Caption

Borrow of soil from soil pile within Valley Crest Tree Company nursery to backfill voids left at the ground surface after well box removal at locations at the northeast portion of the Valley Crest nursery.

Photo Number / File Name:	**6** / IMG_2613.JPG	Date / Time:	2015-04-14 / 11:39

Direction Facing

NW

Caption

Backfill of the void left by well box removal and topping with gravel to match surrounding ground surface (typical). This location is former well MW-11.

PHOTOGRAPHIC LOG

Project Name		Project Number
CPL Sunol Spill	CPL Sunol Spill Well Destruction and Site Closure Report Mile Post 2.70 along Calaveras Road Sunol, California 94586	26818880.273

Photo Number / File Name:	**7** / IMG_2617.JPG	Date / Time:	2015-04-15 / 09:31

Direction Facing

S

Caption

Work along the east side of Calaveras Road within traffic control, including closure of the northbound lane.

Photo Number / File Name:	**8** / IMG_2647.JPG	Date / Time:	2015-04-17 / 10:57

Direction Facing

SE

Caption

Pressure grout destruction of a soil vapor extraction well located adjacent to the Chevron pipe line on the hillside east of Calaveras Road (typical). This location is well SVE-5.

PHOTOGRAPHIC LOG

Project Name		Project Number
CPL Sunol Spill	CPL Sunol Spill Well Destruction and Site Closure Report Mile Post 2.70 along Calaveras Road Sunol, California 94586	26818880.273

Photo Number / File Name:	**9** / IMG_2681.JPG	Date / Time:	2015-04-21 / 09:56

Direction Facing

N

Caption

Removal of an electrical utility pole associated with the former soil vapor extraction system, using a forklift and tagline.

Photo Number / File Name:	**10** / IMG_2693.JPG	Date / Time:	2015-04-22 / 09:52

Direction Facing

SE

Caption

Barricades placed around the open portion of the small creek culvert, located between the hillside work area and work staging area.

PHOTOGRAPHIC LOG

Project Name		Project Number
CPL Sunol Spill	CPL Sunol Spill Well Destruction and Site Closure Report Mile Post 2.70 along Calaveras Road Sunol, California 94586	26818880.273

Photo Number / File Name:	**11** / IMG_2703.JPG	Date / Time:	2015-04-22 / 12:27

Direction Facing

NE

Caption

Moving the 2,500-gallon fire water tank to the Valley Crest nursery using the forklift. Vehicle escort was provided ahead and behind forklift for travel along Calaveras Road (not pictured).

Photo Number / File Name:	**12** / IMG_2714.JPG	Date / Time:	2015-04-23 / 09:29

Direction Facing

S

Caption

Hillside area in the vicinity of the CPL pipe line (marker at the base of the hill and bollards near the top of the hill), following removal of all project-related hillside structures.

PHOTOGRAPHIC LOG

Project Name	CPL Sunol Spill Well Destruction and Site Closure Report Mile Post 2.70 along Calaveras Road Sunol, California 94586	Project Number
CPL Sunol Spill		26818880.273

Photo Number / File Name:	**13** / IMG_2600.JPG	Date / Time:	2015-04-14 / 10:04

Direction Facing

NE

Caption

View of survey Control Point 12, east of Calaveras Road, now preserved as a Survey Monument (typical) for the SFPUC.

Photo Number / File Name:	**14** / IMG_2611.JPG	Date / Time:	2015-04-14 / 10:36

Direction Facing

E

Caption

Completion of Control Point CP 12 as a Survey Monument (typical). Grout and rocks placed around the surveyed pin for protection.