



Mark Horne
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-3964
markhorne@chevron.com

RECEIVED

By Alameda County Environmental Health 8:41 am, Nov 18, 2015

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

Re: Former Chevron Service Station No. 91026
3701 Broadway
Oakland, CA

I have reviewed the *Well Destruction Report*.

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 GHD Services Inc., 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 blue ink that reads "Mark E. Horne".

Mark Horne
Project Manager

Attachment: *Well Destruction Report*



November 17, 2015

Reference No. 311959

Mr. Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

**Re: Well Destruction Report
Former Chevron Station 91026
3701 Broadway
Oakland, California 94611
Agency Case No. RO0000500**

Dear Mr. Detterman:

GHD Services Inc. (GHD) is submitting this *Well Destruction Report* for the site referenced above (Figures 1 and 2) on behalf of Chevron Environmental Management Company (EMC). As requested by State of California State Water Resources Control Board (SWRCB) in Order WQ 2015-0030-UST dated March 13, 2015 (Attachment A), remaining on- and offsite monitoring wells were destroyed to facilitate case closure. Given delays associated with obtaining permits from the City of Oakland, SWRCB approved an extension for submittal of the well destruction report (Attachment A). Work activities completed in association with well destruction are described below.

1. Well Destructions

Permits

The work was performed under Alameda County Public Works Agency (ACPWA) permit numbers W2015-0816 through W2015-0819, (Attachment B). The City of Oakland's permits ENMI15177, X1502315, X1502314, and OB1501052 were obtained to work within the City's right of way (Attachment B).

Site Health and Safety Plan

GHD prepared a site-specific Health and Safety Plan (HASP) to protect site workers and visitors during well destruction activities. The HASP was kept onsite, and reviewed, signed, and followed by site workers and visitors.

Underground Utility Location

GHD marked the site for Underground Service Alert (USA) clearance and notified USA prior to beginning work. On October 29, 2015, private underground utility locator, NORCAL Geophysical

Consultants Inc., of Cotati, California, was contracted to identify subsurface utilities and obstructions near the wells and to confirm markings by USA.

Well Destructions

On October 29, 2015, GHD staff observed Vapor Tech Services (C-57 License No. 916085) destroy monitoring wells E, F, EA-1, and EA-2 (Figure 2). As permitted by ACPWA, the wells were destroyed by pressure grouting. Pressure grouting was completed by injecting neat Portland Type II/V cement through a tremie pipe to the wells total depth. A pressure of 25 pounds per square inch or greater was then applied to the well casing for 5 minutes or greater. Well boxes will be removed and finished flush to ground surface to match existing grade in early 2016, after the City of Oakland moratorium on all work within the City of Oakland's right of way ends on January 2, 2016. GHD's *Standard Field Procedures for Monitoring Well Destruction* is presented as Attachment C.

Waste Disposal

No waste was generated during the well destruction activities.

Well Completion Reports

Well completion reports (Department of Water Resources [DWR] Form 188) for the destroyed wells were submitted to the DWR and to ACPWA under separate cover on November 10, 2015. DWR Well Completion Reports are confidential documents and are therefore not included in this report. Copies maintained in our files will be made available for agency review upon request.

2. Closing

On behalf of EMC, GHD requests a final 'No Further Action' letter be issued for this site.

Please contact Nathan Lee with GHD at (925) 849-1003 if you have any questions or require additional information.

Regards,

GHD



Nathan Lee

Nathan Lee, PG 8486

CM/mws/13

Encl.

Figure 1 Vicinity Map

Figure 2 Site Plan

Attachment A - Agency Correspondence

Attachment B - Permits

Attachment C - GHD's Standard Field Procedures for Well Destruction

cc: Mr. Mark Horne, Chevron (electronic copy)
Mr. Gary Bankhead, Kaiser Foundation Hospitals
Heitzinger Associates

Figures

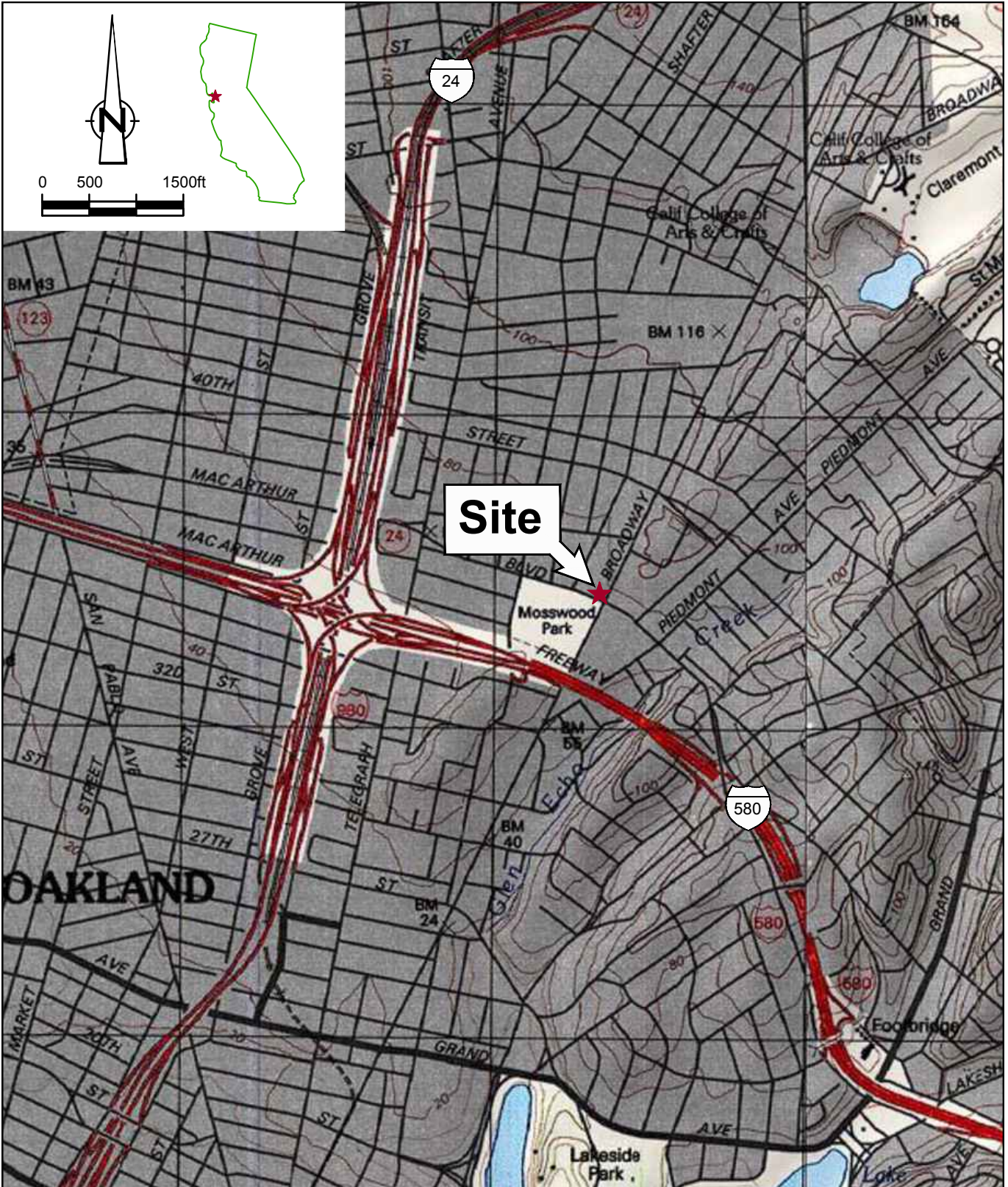


Figure 1
 VICINITY MAP
 FORMER CHEVRON STATION 9-1026
 3701 BROADWAY
 Oakland, California



Attachment A Agency Correspondence

Lee, Nathan

To: Weir, Carissa
Subject: RE: Order WQ 2015-0030 - UST Former Chevron Services Station 91026 3701 Broadway, Oakland - Well Destruction Extension

From: Howard, Tom@Waterboards [<mailto:Tom.Howard@waterboards.ca.gov>]
Sent: Friday, September 11, 2015 3:20 PM
To: Lee, Nathan; Polhemus, Darrin@Waterboards; Babcock, Lisa@Waterboards
Cc: Horne, Mark (MarkHorne)
Subject: RE: Order WQ 2015-0030 - UST Former Chevron Services Station 91026 3701 Broadway, Oakland - Well Destruction Extension

Nathan, OK, thanks for letting me know.

From: Lee, Nathan [<mailto:Nathan.Lee@ghd.com>]
Sent: Friday, September 11, 2015 3:11 PM
To: Howard, Tom@Waterboards
Cc: Horne, Mark (MarkHorne)
Subject: Order WQ 2015-0030 - UST Former Chevron Services Station 91026 3701 Broadway, Oakland - Well Destruction Extension

Tom,

On behalf of Chevron Environmental Management Company (EMC), GHD Services Inc. (GHD) is requesting an extension for the well destructions of Former Services Station 91026 located at 3701 Broadway, Oakland California. In the State of California State Water Resources Control Board Order WQ 2015-00330 –UST, the destruction of the wells were required. The reason for the extension is the time needed to obtain the proper permits from the City of Oakland, as the monitoring wells are located in the median of a street. The City of Oakland also changed their permitting process in July, which also delayed the process of obtaining permits. Therefore the current proposed schedule is, the monitoring wells will be destroyed on **October 1, 2015** and the well destruction report will be submitted to the local regulatory agency (Alameda County Environmental Health) by **November 20, 2015**. The extension date is dependent on obtaining the City of Oakland permits

Thank you,

Nathan Lee. P.G.

GHD

T: +1 925 849 1003 | M: +1 510 385 2499 | E: nathan.lee@ghd.com
2300 Clayton Road Suite 920 Concord California 94520 United States | www.ghd.com
[WATER](#) | [ENERGY & RESOURCES](#) | [ENVIRONMENT](#) | [PROPERTY & BUILDINGS](#) | [TRANSPORTATION](#)

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STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

ORDER WQ 2015-0030 – UST

In the Matter of Underground Storage Tank Case Closure

**Pursuant to Health and Safety Code Section 25299.39.2 and the Low Threat
Underground Storage Tank Case Closure Policy**

BY THE EXECUTIVE DIRECTOR¹:

Pursuant to Health and Safety Code section 25299.39.2, the Manager of the Underground Storage Tank Cleanup Fund (Fund) recommends closure of the underground storage tank (UST) case at the site listed below.² By this order, the Executive Director directs closure of the UST case. The name of the Fund claimant, the Fund claim number, the site name and the applicable site address, and the lead agency are as follows:

Chevron Corporation
Claim No. 5952
Chevron #9-1026
3701 Broadway, Oakland

Alameda County Health Care Services

I. STATUTORY AND PROCEDURAL BACKGROUND

Section 25299.39.2 directs the Fund Manager to review the case history of claims that have been active for five years or more (five-year review), unless there is an objection from the UST owner or operator. This section further authorizes the Fund Manager to make recommendations to the State Water Resources Control Board (State Water Board) for closure of a five-year-review case if the UST owner or operator approves. In response to a recommendation by the Fund Manager, the State Water Board, or in certain cases the State Water Board Executive Director, may close or require the closure of a UST case. Closure of a UST case is appropriate where the corrective action ensures the protection of human health,

¹ State Water Board Resolution No. 2012-0061 delegates to the Executive Director the authority to close or require the closure of any UST case if the case meets the criteria found in the State Water Board's Low Threat Underground Storage Tank Case Closure Policy adopted by State Water Board Resolution No. 2012-0016.

² Unless otherwise noted, all references are to the Health and Safety Code.

safety, and the environment, and where the corrective action is consistent with: 1) Chapter 6.7 of Division 20 of the Health and Safety Code and implementing regulations; 2) Any applicable waste discharge requirements or other orders issued pursuant to Division 7 of the Water Code; 3) All applicable state policies for water quality control; and 4) All applicable water quality control plans.

The Fund Manager has completed a five-year review of the UST case identified above, and recommends that this case be closed. The recommendation is based upon the facts and circumstances of this particular UST case. A UST Case Closure Review Summary Report has been prepared for the case identified above and the bases for determining compliance with the Water Quality Control Policy for Low-Threat Underground Storage Tank Case Closures (Policy) are explained in the Case Closure Review Summary Report.

In State Water Board Resolution No. 2012-0016, the State Water Board adopted the Policy. The Policy became effective on August 17, 2012. The Policy establishes consistent statewide case closure criteria for certain low-threat petroleum UST sites. In the absence of unique attributes or site-specific conditions that demonstrably increase the risk associated with residual petroleum constituents, cases that meet the general and media-specific criteria in the Policy pose a low threat to human health, safety and the environment and are appropriate for closure under Health and Safety Code section 25296.10. The Policy provides that if a regulatory agency determines that a case meets the general and media-specific criteria of the Policy, then the regulatory agency shall notify responsible parties and other specified interested persons that the case is eligible for case closure. Unless the regulatory agency revises its determination based on comments received on the proposed case closure, the Policy provides that the agency shall issue a closure letter as specified in Health and Safety Code section 25296.10. The closure letter may be issued only after the expiration of the 60-day comment period, proper destruction or maintenance of monitoring wells or borings, and removal of waste associated with investigation and remediation of the site.

Health and Safety Code section 25299.57, subdivision (l)(1) provides that claims for reimbursement of corrective action costs that are received by the Fund more than 365 days after the date of a closure letter or a Letter of Commitment, whichever occurs later, shall not be reimbursed unless specified conditions are satisfied. A Letter of Commitment has already been issued for the claim subject to this order and the respective Fund claimant, so the 365-day timeframe for the submittal of claims for corrective action costs will start upon the issuance of the closure letter.

II. FINDINGS

Based upon the UST Case Closure Review Summary Report prepared for the case and attached hereto, the State Water Board finds that corrective action taken to address the unauthorized release of petroleum at the UST release site identified as:

Claim No. 5952
Chevron #9-1026

ensures protection of human health, safety and the environment and is consistent with Chapter 6.7 of Division 20 of the Health and Safety Code and implementing regulations, the Policy, and other applicable water quality control policies and plans.

The unauthorized release from the UST consisted only of petroleum. This order directs closure for the petroleum UST case at the site.³

Pursuant to the Policy, notification has been provided to all entities that are required to receive notice of the proposed case closure, a 60-day comment period has been provided to notified parties, and any comments received have been considered by the Board in determining that the case should be closed.

Pursuant to section 21080.5 of the Public Resources Code, environmental impacts associated with the adoption of this Order were analyzed in the substitute environmental document (SED) the State Water Board approved on May 1, 2012. The SED concludes that all environmental effects of adopting and implementing the Policy are less than significant, and environmental impacts as a result of complying with the Policy are no different from the impacts that are reasonably foreseen as a result of the Policy itself. A Notice of Decision was filed August 17, 2012. No new environmental impacts or any additional reasonably foreseeable impacts beyond those that were not addressed in the SED will result from adopting this Order.

The UST case identified above may be the subject of orders issued by the Regional Water Quality Control Board (Regional Water Board) pursuant to Division 7 of the Water Code. Any orders that have been issued by the Regional Water Board pursuant to Division 7 of the Water Code, or directives issued by a Local Oversight Program agency for this case should be rescinded to the extent they are inconsistent with this Order.

³ This order addresses only the petroleum UST case for the site. This order does not affect any order or directive requiring corrective action for non-petroleum contamination, if non-petroleum contamination is present.

III. ORDER


IT IS THEREFORE ORDERED that:

- A. The UST case identified in Section II of this Order, meeting the general and media-specific criteria established in the Policy, be closed in accordance with the following conditions and after the following actions are complete. Prior to the issuance of a closure letter, the Fund claimant is ordered to:
1. Properly destroy monitoring wells and borings unless the owner of real property on which the well or boring is located certifies that the wells or borings will be maintained in accordance with local or state requirements;
 2. Properly remove from the site and manage all waste piles, drums, debris, and other investigation and remediation derived materials in accordance with local or state requirements; and
 3. Within six months of the date of this Order, submit documentation to the regulatory agency overseeing the UST case identified on page 1 of this Order that the tasks in subparagraphs (1) and (2) have been completed.
- B. The tasks in subparagraphs (1) and (2) of paragraph (A) are ordered pursuant to Health and Safety Code section 25296.10 and failure to comply with these requirements may result in the imposition of civil penalties pursuant to Health and Safety Code section 25299, subdivision (d)(1). Penalties may be imposed administratively by the State Water Board or Regional Water Board.
- C. Within 30 days of receipt of proper documentation from the Fund claimant that requirements in subparagraphs (1) and (2) of paragraph (A) are complete, the regulatory agency that is responsible for oversight of the UST case identified in Section II of this Order shall notify the State Water Board that the tasks have been satisfactorily completed.

- D. Within 30 days of notification from the regulatory agency that the tasks are complete pursuant to paragraph (C), the Deputy Director of the Division of Financial Assistance shall issue a closure letter consistent with Health and Safety Code section 25296.10, subdivision (g) and upload the closure letter and UST Case Closure Review Summary Report to GeoTracker.

- E. As specified in Health and Safety Code section 25299.39.2, subdivision (a) (2), corrective action costs incurred after a recommendation of closure shall be limited to \$10,000 per year unless the Board or its delegated representative agrees that corrective action in excess of that amount is necessary to meet closure requirements, or additional corrective actions are necessary pursuant to section 25296.10, subdivisions (a) and (b). Pursuant to section 25299.57, subdivision (l) (1), and except in specified circumstances, all claims for reimbursement of corrective action costs must be received by the Fund within 365 days of issuance of the closure letter in order for the costs to be considered.

- F. Any Regional Water Board or Local Oversight Program Agency directive or order that directs corrective action or other action inconsistent with case closure for the UST case identified in Section II is rescinded, but only to the extent the Regional Water Board order or Local Oversight Program Agency directive is inconsistent with this Order.



Executive Director



Date

State Water Resources Control Board

UST CASE CLOSURE REVIEW SUMMARY REPORT

Agency Information

Agency Name: Alameda County Health Care Services (County)	Address: 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502
Agency Caseworker: Mark Detterman	Case No.: RO0000500

Case Information

USTCF Claim No.: 5952	GeoTracker Global ID: T0600100334
Site Name: Chevron # 9-1026	Site Address: 3701 Broadway Oakland, CA 94611
Responsible Party: Chevron Corporation Attn: Alexis Fischer	Address: 6101 Bollinger Canyon Road, San Ramon, CA 94583
USTCF Expenditures to Date: \$247,483	Number of Years Case Open: 26

To view all public documents for this case available on GeoTracker use the following URL.

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600100334

Summary

The Low-Threat Underground Storage Tank (UST) Case Closure Policy (Policy) contains general and media-specific criteria, and cases that meet those criteria are appropriate for closure pursuant to the Policy. This case meets all of the required criteria of the Policy.

Highlights of the case follow:

This case is currently a commercial building and a former commercial petroleum fueling facility. An unauthorized release was reported in June 1988. Site historical data show that nine USTs (gasoline, diesel, and waste oil) were removed between 1982 and 1988 and approximately 7,800 cubic yards were excavated and removed. In 1992, soil vapor extraction was determined to be ineffective. Groundwater extraction removed 14 million gallons of petroleum impacted groundwater. In 2007 and during the construction of a medical building onsite, the majority of remaining hydrocarbon mass was excavated from the Site. An impermeable barrier was installed beneath the medical building that was constructed. Active remediation has not been conducted at the Site for the past five years. Since 1982, ten groundwater monitoring wells have been installed (five wells destroyed in 2006) and irregularly monitored. According to groundwater data, water quality objectives have been achieved.

The petroleum release is limited to the soil and shallow groundwater. According to data available in GeoTracker, there are no public water supply wells or surface water bodies within 250 feet of the defined plume boundary. No other water supply wells have been identified within 250 feet of the defined plume boundary in files reviewed. The unauthorized release is located within the service area of a public water system, as defined in the Policy. The affected shallow groundwater is not currently being used as a source of drinking water, and it is highly unlikely that the affected shallow groundwater will be used as a source of drinking water in the foreseeable future. Other designated beneficial uses of impacted groundwater are not

threatened, and it is highly unlikely that they will be, considering these factors in the context of the site setting. Corrective actions have been implemented and additional corrective actions are not necessary. Any remaining petroleum hydrocarbon constituents do not pose a significant risk to human health, safety or the environment.

Rationale for Closure under the Policy

- General Criteria: The case meets all eight Policy general criteria.
- Groundwater Specific Criteria: The case meets Policy Criterion 1 by Class 1. The contaminant plume that exceeds water quality objectives is less than 100 feet in length. There is no free product. The nearest water supply well or surface water body is greater than 250 feet from the defined plume boundary.
- Vapor Intrusion to Indoor Air: The case meets Policy Criterion 2a by Scenario 3a. The maximum benzene concentration in groundwater is less than 100 micrograms per liter ($\mu\text{g/L}$). The minimum depth to groundwater is greater than 5 feet, overlain by soil containing less than 100 milligrams per kilogram (mg/kg) of TPH. In addition, an impermeable barrier was installed beneath the medical building that was constructed
- Direct Contact and Outdoor Air Exposure: The case meets Policy Criterion 3a. Maximum concentrations in soil are less than those in Policy Table 1 for Commercial/Industrial use, and the concentration limits for a Utility Worker are not exceeded. There are no soil sample results in the case record for naphthalene. However, the relative concentration of naphthalene in soil can be conservatively estimated using the published relative concentrations of naphthalene and benzene in gasoline. Taken from Potter and Simmons (1998), gasoline mixtures contain approximately 2 percent benzene and 0.25 percent naphthalene. Therefore, benzene can be used as a surrogate for naphthalene concentrations with a safety factor of eight. Benzene concentrations from the Site are below the naphthalene thresholds in Policy Table 1. Therefore, the estimated naphthalene concentrations meet the thresholds in Table 1 and the Policy criteria for direct contact by a factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

Objections to Closure and Responses

According to a letter dated April 29, 2014, the County opposes closure because:

- Further groundwater benzene plume assessment is necessary.
RESPONSE: The majority of soil and groundwater contamination was removed by excavation in 2007. One detection of benzene in 2002 at slightly above the detection limit has been reported in the four remaining downgradient perimeter wells. These wells have been monitored regularly between 2002 and 2014. Additional, benzene assessment is not necessary.
- Preferential pathway assessment needed.
RESPONSE: Groundwater varies between 12 - 18 feet bgs. Very few, if any infrastructure projects are constructed that would intersect groundwater at this elevation.
- Water supply well survey needed.
RESPONSE: A well survey is not necessary because the area downgradient (based on 26 years of data) has been redeveloped with high-rise buildings for more than 500 feet. If any water supply wells once existed they would have been removed prior to the new construction.
- Vapor intrusion assessment needed for medical building.
RESPONSE: An impermeable barrier was installed beneath the medical building that was constructed. As such, any residual contamination will not pose a significant risk to

human health or the environment. Additional, no practical corrective actions can be implemented at the Site due to its current land use.

Determination

Based on the review performed in accordance with Health & Safety Code Section 25299.39.2 subdivision (a), the Fund Manager has determined that closure of the case is appropriate.

Recommendation for Closure

Based on available information, residual petroleum hydrocarbons at the Site do not pose a significant risk to human health, safety, or the environment, and the case meets the requirements of the Policy. Accordingly, the Fund Manager recommends that the case be closed. The State Water Board is conducting public notification as required by the Policy. Alameda County has the regulatory responsibility to supervise the abandonment of monitoring wells.

Lisa Babcock

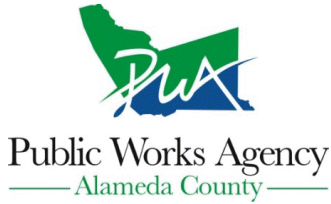
Lisa Babcock, P.G. 3939, C.E.G. 1235
Fund Manager

11/19/14

Date

Attachment B Permits

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: 08/31/2015 By jamesy

Permit Numbers: W2015-0816 to W2015-0819
Permits Valid from 09/29/2015 to 09/29/2015

Application Id: 1439934107538
Site Location: 3701 Broadway
Project Start Date: 09/29/2015
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site:Oakland

Completion Date:09/29/2015

Applicant: GHD Services Inc. - Charley McLean
2300 Clayton Rd, Suite 920, Concord, CA 94520
Phone: 925-849-1017

Property Owner: City of Oakland
250 Frank H Ogawa Plaza, Oakland, CA 94612
Phone: --

Client: Chevron Environmental Management Co
6001 Bollinger Canyon Road, San Ramon, CA 94583
Phone: --

Contact: Charley McLean
Phone: --
Cell: 225-907-5910

Total Due: \$1588.00
Total Amount Paid: \$1588.00
Payer Name : GHD (formerly CRA) Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 4 Wells

Driller: Vapor Tech Services - Lic #: 916085 - Method: press

Work Total: \$1588.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-0816	08/31/2015	12/28/2015	E	8.50 in.	2.00 in.	15.00 ft	35.00 ft	1S/4W24N1 7	No Records	No Records
W2015-0817	08/31/2015	12/28/2015	EA-1	8.50 in.	2.00 in.	6.00 ft	37.00 ft	1S/4W24M	No Records	No Records
W2015-0818	08/31/2015	12/28/2015	EA-2	8.50 in.	2.00 in.	6.00 ft	30.00 ft	1S/4W24M	No Records	No Records
W2015-0819	08/31/2015	12/28/2015	F	8.50 in.	2.00 in.	10.00 ft	30.00 ft	1S/4W24N1 8	No Records	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

Alameda County Public Works Agency - Water Resources Well Permit

mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 10 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 assigned inspector listed on the top of the permit 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(s) by overdrilling the upper 5ft. below ground surface (bgs) and then tremie grouting with neat cement. 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 by approved encroachment permit concrete material and asphalt material by Caltrans Spec or County/City Codes.
 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.
 10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
-

Permits for which no major inspection has been approved within 10 days of start of work shall expire by the end of the 10th day after the expiration of the permit. Applications for which no permit is issued within 10 days shall expire by the end of the 10th day after the expiration of the permit.



CITY OF OAKLAND



250 FRANK H. OGAWA PLAZA ▪ 2ND FLOOR ▪ OAKLAND, CA 94612

Planning and Building Department
 www.oaklandnet.com

PH: 510-238-3891
 FAX: 510-238-2263
 TDD: 510-238-3254

Permit No: X1502315 OPW - Excavation Filed Date: 10/9/2015

Job Site: 3701 BROADWAY Schedule Inspection by calling: [Barcode]

Parcel No: 012 098002600 **For SL; X; and CGS permits see SPECIAL NOTE below**

District:

Project Description: Abandon one monitoring well on Broadway. see site plan. Alameda County documentation will be provided.

If working within 25' feet of a monument you must comply with State Law 8771, contact the Inspector prior to starting excavation: minimum \$5,800.00 fine for non-compliance.
 Comply with all terms of City of Oakland Public Works Standards, Street Excavation Rules, Revised March 2015 and City Council Ordinance No. 13300 C.M.S. Five day prior notice required for work lasting five days or less in business/commercial districts; 72 hour notice in residential districts. Ten day prior notice required for work lasting six days or more in all districts.
 Contact 925 849-1017
 Permit valid 90 days. Separate Obstruction permit required to reserve/block parking lane.
 Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.

Record only to establish historical event: Encroachment Permit Application was never filed with the City of Oakland; wells installed w/o benefit of permit from City of Oakland.
 Four wells soon to be abandoned on Broadway & W MacArthur. Plans/applications/details to follow.

Related Permits: X1502314

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
Owner:	KAISER FOUNDATION HOSPITALS		1800 HARRISON ST OAKLAND, CA		
Contractor-Employee:	VAPOR TECH SERVICES	X	2316 TRIPALDI WAY HAYWARD, CA	(415) 378-0415	916085

PERMIT DETAILS: Building/Public Infrastructure/Excavation/NA

General Information

Excavation Type: Private Party Special Paving Detail Required: Tree Removal Involved:
 Date Street Last Resurfaced: Holiday Restriction (Nov 1 - Jan 1);
 Worker's Compensation Company Name: Limited Operation Area (7AM-9AM) And (4PM-6PM);
 Worker's Compensation Policy #:

Key Dates

Approximate Start Date:
 Approximate End Date:

TOTAL FEES TO BE PAID AT FILING: \$434.91

Application Fee	\$70.00	Excavation - Private Party Type	\$309.00	Records Management Fee	\$36.01
Technology Enhancement Fee	\$19.90				

Plans Checked By _____ Date _____ Permit Issued By [Signature] Date 10.9

SPECIAL NOTE

- For SL; X; and CGS permits Call PWA INSPECTION prior to start. Finalized By _____ Date _____
- SL and X permits valid 90 days; CGS permits valid 30 days

ADDRESS: _____
DIST: _____



Permit No: X1502315

Parcel No: 012 098002600

Job Site: 3701 BROADWAY

Page 2 of 2

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

CONSTRUCTION LENDING AGENCY DECLARATION

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 8172, Civil Code).

Lender's Name _____

Branch Designation _____

Lender's Address _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

RRP ACKNOWLEDGMENT

EPA's Lead Renovation, Repair and Painting Rule (RRP Rule) requires that firms performing renovation, repair, and painting projects that disturb lead-based paint in homes, child care facilities and pre-schools built before 1978 have their firm certified by EPA or use certified renovators who are trained by EPA-approved training providers and follow lead-safe work practices. As the contractor preparing to do work on a Pre-1978

building, I have read the explanation of the RRP Rule and will ensure that any paint disturbing work will be done by or supervised by an RRP certified individual(s). Failure to follow this rule may result in enforcement action by the EPA. For additional information on complying with lead safety requirements, contact the Alameda County Healthy Homes Department at (510) 567-8280 or 1-800-253-2372 or visit <http://www.achhd.org>.

HAZARDOUS MATERIALS DECLARATION

I hereby affirm that the intended occupancy WILL WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, and 25534 of the Health and Safety Code, as well as filing instructions were made available to you).

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

I hereby agree to save, defend, indemnify and keep harmless the City of Oakland and its officials, officers, employees, representatives, agents, and volunteers from all actions, claims, demands, litigation, or proceedings, including those for attorneys' fees, against the City in consequence of the granting of this permit or from the use or occupancy of the public right-of-way, public easement, or any sidewalk, street or sub-sidewalk or otherwise by virtue thereof, and will in all things strictly comply with the conditions under which this permit is granted I further certify that I am the owner of the property involved in this permit or that I am fully authorized by the owner to access the property and perform the work authorized by this permit.

Name _____

Signature _____

Contractor, or Contractor's Agent

Date _____

NOTICE: No activities related to the approved work, including storage/use of materials, is allowed within the public right-of-way without an encroachment permit. Dust control measures shall be used throughout all phases of construction.



Permit No: X1502315

314

Parcel No: 012 098002600

Job Site: 3701 BROADWAY

Page 2 of 2

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Name _____

Signature _____

Contractor, or Contractor's Agent

Date _____

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Permits for which no major inspection has been approved within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

JOB SITE



CITY OF OAKLAND

250 FRANK H. OGAWA PLAZA ▪ 2ND FLOOR ▪ OAKLAND, CA 94612

Planning and Building Department
www.oaklandnet.com

PH: 510-238-3891
FAX: 510-238-2263
TDD: 510-238-3254

Permit No: OB1501052 Obstruction Filed Date: 10/9/2015
Job Site: 3701 BROADWAY Schedule Inspection by calling: 510-238-3444

Parcel No: 012 098002600

District:

Project Description: Divert 300 traffic lane per TSD-15-0163. Abandon four monitoring wells on Broadway & Mac Arthur Bl. see site plan. Alameda County documentation will be provided.
Contact 925 849-1017
Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.
Record only to establish historical event: Encroachment Permit Application was never filed with the City of Oakland; wells installed w/o benefit of permit from City of Oakland.
Four wells soon to be abandoned on Broadway & W MacArthur. Plans/applications/details to follow.

Related Permits: X1502315

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
Owner:	KAISER FOUNDATION HOSPITALS		1800 HARRISON ST OAKLAND, CA		
Contractor- Employee:	VAPOR TECH SERVICES	X	2316 TRIPALDI WAY HAYWARD, CA	(415) 378-0415	916085

PERMIT DETAILS: Building/Public Use/Activity/Obstructions			
Work Information			
Start Date: 10/29/2015	Obstruction Permit Type:	Short Term (Max 14 Days)	
End Date: 10/29/2015	Number of Meters (Metered Area):		
	Length Of Obstruction (Unmetered Area):	300	

TOTAL FEES TO BE PAID AT FILING: \$314.42			
Application Fee	\$70.00	Records Management Fee	\$26.03 Short Term Permits \$204.00
Technology Enhancement Fee	\$14.39		

Plans Checked By _____ Date _____ Permit Issued By [Signature] Date 10-9
Finalized By _____ Date _____

Attachment C
GHD's Standard Field Procedures
for Well Destruction

Attachment C STANDARD FIELD PROCEDURES FOR MONITORING WELL DESTRUCTION

This document presents standard field procedures for properly destroying groundwater monitoring wells. The objective of well destruction 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 pound sack of Portland II/V Cement. Once the well casing is full of grout, it is pressurized for five minutes by applying a pressure of 25 pounds per square inch (psi) 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, the well location is cleared for subsurface utilities and a hollow-stem auger (or other appropriate) drilling rig is used to drill out the well casing and filter pack materials. First, drill rods are placed down the well and used to guide the augers as they drill out the well. A guide auger is used in place of the drill rods if feasible. Once the well is drilled out, the boring is filled with Portland cement injected through the augers or a tremmie pipe under pressure to the bottom of the boring. The well vault is removed and the area resurfaced or backfilled as required.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite and covered by plastic sheeting. At least three individual soil samples are collected from the stockpiles and composited at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples in addition to any analytes required by the receiving disposal facility. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.