

**STATE WATER RESOURCES CONTROL BOARD  
BOARD MEETING SESSION – DIVISION OF WATER QUALITY  
NOVEMBER 18, 2014**

**ITEM 3**

**SUBJECT**

CONSIDERATION OF A PROPOSED ORDER FOR CLOSURE OF AN UNDERGROUND STORAGE TANK CASE PURSUANT TO HEALTH AND SAFETY CODE SECTION 25296.10 AT THE SITE SPROUTS MARKET LOCATED AT 1751 WESTWOOD BOULEVARD, WEST HOLLYWOOD, CALIFORNIA

**DISCUSSION**

Underground storage tank (UST) site that is the subject of the draft Order:

Sprouts Market, KCB Management LLC (Responsible Party), 1751 Westwood Boulevard, West Hollywood, CA

The responsible party for the above referenced site contends that corrective action performed at their site ensures the protection of human health, safety, and the environment and that case closure is appropriate. Case-specific contentions are contained in the draft Order. Based upon the case data, the State Water Board finds that corrective action performed at the UST release site referenced above 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, implementing regulations, and applicable water quality control plans.

The draft Order directs UST case closure for the above mentioned site.

**POLICY ISSUE**

Should the State Water Board adopt the proposed Order directing UST case closure?

**FISCAL IMPACT**

None.

**REGIONAL BOARD IMPACT**

Yes. Los Angeles Regional Water Quality Control Board.

**STAFF RECOMMENDATION**

Adopt the Order, directing UST case closure.

<p>State Water Board action on this item will assist the Water Boards in reaching Goal 6 of the Strategic Plan Update: 2008-2012. In particular, approval of this item will assist in fulfilling the Objective to enhance consistency across the Water Boards, on an ongoing basis, to ensure our processes are effective, efficient, and to promote fair and equitable application of laws, regulations, policies, and procedures.</p>
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STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD  
**ORDER WQ 2014-XXXX-UST**

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**In the Matter of Underground Storage Tank Case Closure  
Pursuant to Health and Safety Code Section 25296.10**

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**BY THE BOARD:**

By this order, the State Water Resources Control Board (State Water Board) directs closure of the underground storage tank (UST) case at the site listed below, pursuant to section 25296.10 of the Health and Safety Code.<sup>1</sup> The name of the responsible party, the site name, the site address, the Underground Storage Tank Cleanup Fund (Fund) claim number if applicable, current and former lead agencies, and case number are as follows:

**KCB Management LLC (Responsible Party)**

**Sprouts Market**

**1751 Westwood Boulevard, West Hollywood, Los Angeles County, California 90024**

**State Water Resources Control Board, Division of Water Quality, Case No. N/A (Current)**

**Los Angeles Fire Department (Former) Case No. TT**

## **I. STATUTORY AND PROCEDURAL BACKGROUND**

Upon review of a UST case, the State Water Board may close or require closure of a UST case where an unauthorized release has occurred, if the State Water Board determines that corrective action at the site is in compliance with all of the requirements of subdivisions (a) and (b) of section 25296.10. The State Water Board, or in certain cases the State Water Board Executive Director, may close a case 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, 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;

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<sup>1</sup> Unless otherwise noted, all references are to the California Health and Safety Code.

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(3) all applicable state policies for water quality control; and (4) all applicable water quality control plans.

On May 1, 2012, the State Water Board adopted [Resolution No. 2012-0016](#), the Low-Threat Underground Storage Tank Case Closure Policy (Low-Threat Closure Policy or Policy). This Policy, which is a state policy for water quality control, provides standard closure criteria for petroleum UST cases. [Resolution No. 92-49](#) governs all investigations and cleanups under Water Code section 13304. If a petroleum UST case does not meet the closure criteria in the Low-Threat Closure Policy, regulatory agencies are required to consider case closure pursuant to Resolution No. 92-49.

State Water Board staff has completed a review of the UST case identified above, and recommends that the case be closed. The recommendation is based upon the facts and circumstances of this particular UST case. A UST Case Closure Summary has been prepared for the case identified above. The factors considered in determining compliance with the Low-Threat Closure Policy and State Water Board Resolution No. 92-49 are explained in the Case Closure Summary.

## **Low-Threat Closure 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 Low-Threat Closure 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.

## **State Water Board Resolution No. 92-49**

State Water Board Resolution No. 92-49, *Policies and Procedures for Investigation and Cleanup and Abatement of Discharges Under Water Code Section 13304*, is a state policy for water quality control and applies to UST cases. State Water Board Resolution No. 92-49 directs that water affected by an unauthorized release attain either background water quality or the best water quality that is reasonable if background water quality cannot be restored. (State Water Board Resolution No. 92-49, section III.G.) Any alternative level of water quality less stringent than background must be consistent with the maximum benefit to the people of the state, not unreasonably affect current and anticipated beneficial use of affected water, and not result in water quality less than that prescribed in the water quality control plan for the basin within which

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the site is located. (*Ibid.*) Resolution No. 92-49 does not require, however, that the requisite level of water quality be met at the time of site closure. Resolution No. 92-49 specifies compliance with cleanup goals and objectives within a reasonable time frame (*Id.* at section III.A.). Therefore, even if the requisite level of water quality has not yet been attained, a site may be closed if the level will be attained within a reasonable period.

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 uniform closure letter or a letter of commitment, whichever occurs later, shall not be reimbursed unless specified conditions are satisfied.

## II. FINDINGS

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

**KCB Management LLC (Responsible Party)**

**Sprouts Market**

**1751 Westwood Boulevard, West Hollywood, Los Angeles County, California 90024**

**State Water Resources Control Board, Division of Water Quality, Case No. N/A (Current)**

**Los Angeles Fire Department (Former) Case No. TT**

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, and with other applicable water quality control policies and plans.

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 State Water Board in determining that the case should be closed.

The UST case identified above may be the subject of orders issued by the Regional Water Quality Control Water 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 (LOP) agency for this case should be rescinded to the extent they are inconsistent with this Order.

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## III. ORDER

**IT IS THEREFORE ORDERED** that:

- A. The UST case identified in Section II of this Order be closed in accordance with the following conditions and after the following actions are complete. Prior to the issuance of a uniform closure letter, the Responsible Party 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 State Water Board 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 responsible party that requirements in subparagraphs (1) and (2) of Paragraph (A) are complete, the Deputy Director of the Division of Water Quality shall issue a uniform closure letter consistent with Health and Safety Code section 25296.10, subdivision (g) and upload the uniform closure letter and UST Case Closure Summary to GeoTracker.
- D. 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 uniform closure letter in order for the costs to be considered.

## **D R A F T**

- E. Any Regional Water Board or LOP 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 LOP agency directive is inconsistent with this Order.

### **CERTIFICATION**

The undersigned, Clerk to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on November 18, 2014.

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Jeanine Townsend  
Clerk to the Board

## State Water Resources Control Board

### UST CASE CLOSURE SUMMARY

#### Agency Information

Agency Name: State Water Resources Control Board (State Water Board)	Address: 1001 I Street, P.O. Box 2231 Sacramento, CA 95812
Agency Caseworker: Matt Cohen	Case No.: N/A

Former Agency Name: Los Angeles Fire Department (LAFD) (Prior to 7/1/2013)	Address: 200 North Main Street, Suite 1780 Los Angeles, CA 90012
Former Agency Caseworker: Eloy Luna	Case No.: TT

#### Case Information

USTCF Claim No.: None	Global ID: T10000005048
Site Name: Sprouts Market	Site Address: 1751 Westwood Blvd. West Hollywood, CA 90024 (Site)
Responsible Party: KCB Management, LLC Attention: Mr. Peter Knell	Address: 117 East Colorado Boulevard Suite 400 Pasadena, CA 91105
USTCF Expenditures to Date: None	Number of Years Case Open: 2

URL: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T10000005048](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000005048)

#### Summary

The Low-Threat Underground Storage Tank 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 does **NOT** satisfy **GENERAL CRITERIA b** of the Policy, which requires the unauthorized release to consist only of petroleum. This Site meets all of the required criteria of the State Water Resources Control Board Resolution 92-49. A summary evaluation of compliance with the Resolution 92-49 is shown in **Attachment 1: Compliance with State Water Board Policies and State Law**. The Conceptual Site Model (CSM) upon which the evaluation of the case has been made is described in **Attachment 2: Summary of Basic Site Information**. Highlights of the CSM upon which the evaluation of the Case has been made are as follows:

The Site currently exists as a grocery store with above-grade and below-grade parking and is surrounded by commercial and residential land use. An automotive fueling facility and repair shop reportedly existed at the Site between 1949 and 1962.

The release at this Site was discovered in June 2012 during a soil and grab groundwater investigation performed near the three former USTs and former waste oil UST. Laboratory analyses for petroleum

Sprouts Market  
1751 Westwood Boulevard, West Hollywood, Los Angeles County

constituents and volatile organic compounds (VOCs) indicated that concentrations of benzene and tetrachloroethylene (PCE) in groundwater were slightly above water quality objectives (WQOs). A subsequent grab groundwater investigation was performed in April 2013 in an area inferred to be downgradient of the Site. Neither petroleum constituents nor VOCs were reported in groundwater above WQOs during the April 2013 investigation.

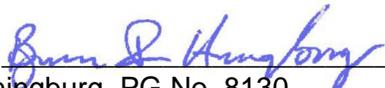
The USTs and surrounding soil were likely removed during the excavation of soil and construction of the subgrade parking garage. Low concentrations of petroleum and PCE in soil and groundwater appear to be limited to the parking area. Corrective actions have been implemented and additional assessment would be unnecessary and will not likely change the CSM. Any remaining petroleum constituents or VOCs do not pose significant risk to human health, safety, or the environment under current conditions.

**Objections to Closure**

The LAFD did not object to case closure (lead agency prior to July 1, 2013).

**Recommendation for Closure**

The corrective action performed at this Site ensures the protection of human health, safety, the environment and is consistent with chapter 6.7 of the Health and Safety Code and implementing regulations, applicable state policies for water quality control and the applicable water quality control plan, and case closure is recommended.

Prepared By:   
Benjamin Heningburg, PG No. 8130  
Senior Engineering Geologist

9/9/2014  
\_\_\_\_\_  
Date

Sprouts Market  
 1751 Westwood Boulevard, West Hollywood, Los Angeles County

**ATTACHMENT 1: COMPLIANCE WITH STATE WATER BOARD POLICIES AND STATE LAW**

The Site complies with State Water Board policies and state law. Section 25296.10 of the Health and Safety Code requires that sites be cleaned up to protect human health, safety, and the environment. Based on available information, any residual petroleum constituents at the Site do not pose significant risk to human health, safety, or the environment.

**The Site complies with the requirements of Resolution 92-49 as described below.**

<p><b>Will corrective action performed ensure the protection of human health, safety, and the environment?</b>          The information included in this UST Case Closure Summary supports a determination that corrective action performed at this Site will ensure the protection of human health, safety, and the environment.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p><b>Is corrective action consistent with Chapter 6.7 of the Health and Safety Code and implementing regulations?</b>          The corrective action provisions contained in Chapter 6.7 of the Health and Safety Code and the implementing regulations govern the entire corrective action process at leaking UST sites. If it is determined, at any stage in the corrective action process, that UST case closure is appropriate, further compliance with corrective action requirements is not necessary. Corrective action at this Site has been consistent with Chapter 6.7 of the Health and Safety Code and implementing regulations and, since this Site meets applicable case-closure requirements, further corrective action is not necessary, unless the activity is necessary for case closure.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p><b>Have waste discharge requirements or any other orders issued pursuant to Division 7 of the Water Code been issued at this Site?</b></p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p><b>If so, was the corrective action performed consistent with any order?</b></p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA</p>
<p><b>Are corrective action and UST case closure consistent with State Water Board Resolution 92-49?</b></p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p><b>Is achieving background water quality feasible?</b>          To remove all traces of residual petroleum constituents at the Site would require significant effort and cost. Removal of all traces of residual petroleum hydrocarbon constituents (if present) that contribute to detectable concentrations in shallow groundwater can be accomplished, but would require excavation of additional soil as well as additional remediation of shallow groundwater. If complete removal of all detectable traces of petroleum constituents becomes the standard for UST corrective actions, the statewide technical and economic implications will be enormous. Because of the high costs involved and minimal benefit of attaining further reductions in concentrations of petroleum constituents at this Site, and the fact that beneficial uses are not threatened, attaining background water quality at this Site is not feasible.</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>

<p><b>If achieving background water quality is not feasible:          Is the alternative cleanup level consistent with the maximum benefit to the people of the State?</b></p> <p>It is impossible to determine the precise level of water quality that will be attained given the uncertainties about the rates of dissolution and degradation. In light of all the factors discussed above and the fact that the residual petroleum constituents will not unreasonably affect present and anticipated beneficial uses of groundwater, an acceptable level of water quality will be attained that is consistent with the maximum benefit to the people of the state.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p><b>Will the alternative cleanup level unreasonably affect present and anticipated beneficial uses of water?</b></p> <p>Remaining concentrations in shallow groundwater beneath the Site are near WQOs.</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p><b>Will the alternative level of water quality result in water quality less than that prescribed in applicable Basin Plan?</b></p> <p>The final step in determining whether cleanup to a level of water quality less stringent than background is appropriate for this Site requires a determination that the alternative level of water quality will not result in water quality less than that prescribed in the relevant basin plan. Pursuant to State Water Board Resolution 92-49, a site may be closed if the basin plan requirements will be met within a reasonable time frame.</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p><b>Have factors contained in title 23 of the California Code of Regulations, section 2550.4 been considered?</b></p> <p>In approving an alternative level of water quality less stringent than background, the State Water Board considers the factors contained in California Code of Regulations, title 23, section 2550.4, subdivision (d).</p> <p>The adverse effect on shallow groundwater will be minimal and localized, and there will be little adverse effect on the groundwater contained in deeper aquifers, given the physical and chemical characteristics of petroleum constituents, the hydrogeological characteristics of the Site and surrounding land. In addition, the potential for adverse effects on beneficial uses of groundwater is low, in light of the proximity of the groundwater supply wells, the current and potential future uses of groundwater in the area, the existing quality of groundwater, the potential for health risks caused by human exposure, the potential damage to wildlife, crops, vegetation, and physical structures, and the persistence and permanence of potential effects.</p> <p>Finally, a level of water quality less stringent than background is unlikely to have any impact on surface water quality, in light of the volume and physical and chemical characteristics of petroleum constituents; the hydrogeological characteristics of the Site and surrounding land; the quantity and quality of groundwater and direction of groundwater flow, the patterns of precipitation in the region, and the proximity of residual petroleum to surface waters.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>

<p><b>Will the requisite level of water quality be met within a reasonable time?</b> Although WQOs may not have been met at the Site, the approximate time period in which the requisite level of water quality will be met for constituents of concern is decades to hundreds of years. This is a reasonable period in which to meet the requisite level of water quality because current and future beneficial uses are not impaired. Impacted groundwater is not currently being used as a source of drinking water and it is highly unlikely that impacted groundwater will be used as a source of drinking water in the future. Residential and commercial water users are currently connected to public supply wells. Public supply wells are constructed with competent sanitary seals and intake screens that are in deeper more protected aquifers. The site conditions do not represent a substantial threat to human health, safety, or the environment, and case closure is appropriate.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
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**ATTACHMENT 2: SUMMARY OF BASIC INFORMATION (Conceptual Site Model)**

**Site Location/ History**

- Location: The Site is located on the southern corner of the intersection of Westwood Boulevard and Massachusetts Avenue in West Hollywood. The Site currently exists as a grocery store with above-grade and below-grade parking and is surrounded by commercial and residential land use. An automotive fueling facility and repair shop reportedly existed at the Site between 1949 and 1962. No known USTs are currently on-Site.
- Nature of Contaminants of Concern: Petroleum constituents and PCE.
- Primary Source of Release: UST system.
- Discovery Date: July 2012.
- Release Type: Petroleum<sup>1</sup> and chlorinated solvents.
- Free Product: Not reported.

**Table A: USTs**

Tank	Size in Gallons	Contents	Status	Date
1	Unknown	Gasoline	Removed	Unknown
2	Unknown	Gasoline	Removed	Unknown
3	Unknown	Gasoline	Removed	Unknown
4	Unknown	Waste Oil	Removed	Unknown

**Receptors**

- Groundwater Basin: Coastal Plain of Los Angeles – Santa Monica (4-11.01).
- Groundwater Beneficial Uses: Municipal (MUN), Agricultural Supply (AGR), Industrial Supply (IND), and Industrial Process Supply (PRO).
- Designated Land Use: Commercial, Residential.
- Public Water System: Los Angeles Department of Water and Power.
- Distance to Nearest Supply Wells: Approximately 8,800 feet west-southwest of the Site..
- Distance to Nearest Surface Waters: Approximately 4.5 miles west of the Site.

**Geology/ Hydrogeology**

- Average Groundwater Depth: Approximately 5 feet.
- Minimum Groundwater Depth: Approximately 3 feet.
- Geology: Clay from the surface to approximately 7.5 feet, sand from approximately 7.5 to 10 feet below ground surface, the maximum depth explored..
- Hydrogeology: Unconfined. No monitoring wells have been installed on-Site. The inferred direction of groundwater flow is to the south-southeast based on hydrogeologic data from the former LUFT case (Mobil 18-FID, Global ID T0603700686) located approximately 500 feet southeast of the Site.

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<sup>1</sup> "Petroleum" means crude oil, or any fraction thereof, which is liquid at standard conditions of temperature and pressure, which means at 60 degrees Fahrenheit and 14.7 pounds per square inch absolute. (Health & Safety Code, § 25299.22.)

**Corrective Actions**

- All USTs were reportedly removed prior to the construction of the subgrade parking garage. Soil surrounding the USTs was likely over-excavated during construction.

**Table B: Concentrations of Petroleum Constituents in Soil**

Constituent	Maximum 0-5 ft. bgs (mg/kg)	Maximum 5-10 ft. bgs (mg/kg)
Benzene	<0.001	Not Analyzed
Ethylbenzene	<0.001	Not Analyzed
Naphthalene*	Not Analyzed	Not Analyzed
PAHs**	Not Analyzed	Not Analyzed

\* There are no soil samples 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% benzene and 0.25% naphthalene. Therefore, benzene concentrations 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 Table 1 of the Policy. Therefore, estimated naphthalene concentrations meet the thresholds in Table 1 and the Policy criteria for direct contact with a safety factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

\*\*Poly-aromatic hydrocarbons as benzo(a)pyrene toxicity equivalent.

**Table C: Grab Groundwater Sampling Results**

Well No.	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PCE (µg/L)	Naphthalene (µg/L)
SB-3	<200	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB-4	1,600	0.8	<0.5	43	30	<0.5	3.4	9.6
SB-5	5,000	<b>4.6</b>	<0.5	165	27	<0.5	<0.5	12
SB-6	200	<b>1.9</b>	4.6	1.1	<0.5	<0.5	<b>7.4</b>	8.7
SB-7	<200	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB-8	<200	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HP-1	Not Analyzed	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HP-2	Not Analyzed	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HP-3	Not Analyzed	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HP-4	Not Analyzed	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
<b>WQOs</b>		<b>1.0</b>	<b>150</b>	<b>300</b>	<b>1,750</b>	<b>5.0</b>	<b>5.0</b>	

Notes

Chemical constituents listed above consist of Total Petroleum Hydrocarbons (TPH) quantified as gasoline (TPHg), benzene, toluene, ethylbenzene, total xylenes, methyl tert-Butyl ether (MTBE), tetrachloroethylene (PCE), and naphthalene. Reported concentrations that exceed WQOs are shown in bold.

"<" = Less than the laboratory method reporting limit.

### Groundwater Trends

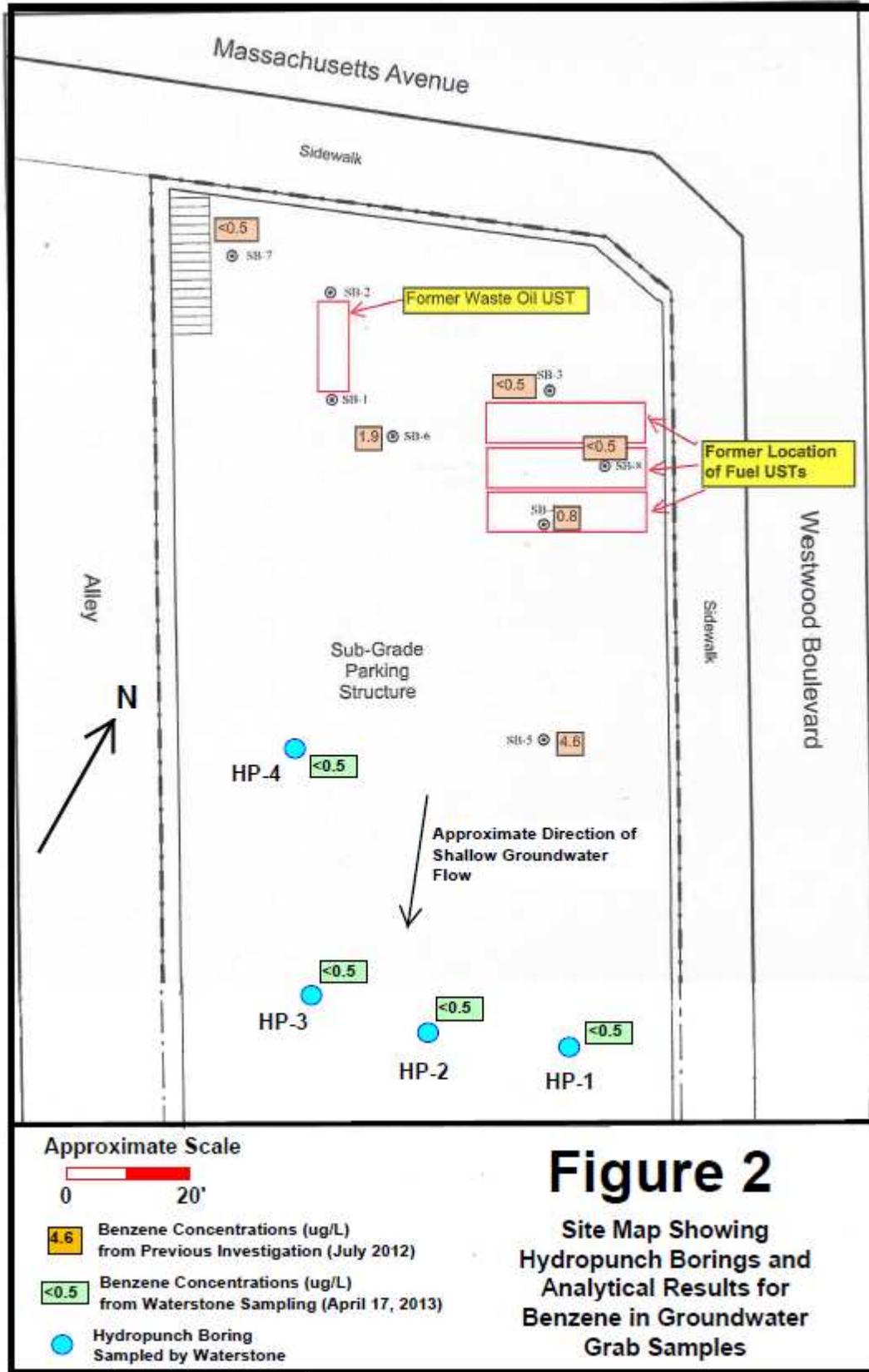
Due to the removal of the primary and secondary source removal, age of the release, and low residual concentrations of petroleum and chlorinated solvent contamination remaining in soil and groundwater, groundwater concentration trends are likely stable to decreasing with time.

### Evaluation of Risk Criteria

- Maximum Petroleum Constituent Plume Length above WQOs: The groundwater plume is approximately 75 feet in length.
- Petroleum Constituent Plume Determined Stable or Decreasing: Yes
- Soil/Groundwater Sampled for MTBE: Yes, see Table C above
- Residual Petroleum Constituents Pose Significant Risk to the Environment: No
- Residual Petroleum Constituents Pose Significant Vapor Intrusion Risk to Human Health: No – Petroleum constituents most likely to pose a threat for vapor intrusion were removed during soil excavation and over-excavation. Site conditions demonstrate that the residual petroleum constituents in soil and groundwater are protective of human health.
- Residual Petroleum Constituents Pose a Nuisance<sup>2</sup> at the Site: No
- Residual Petroleum Constituents in Soil Pose Significant Direct Contact and Outdoor Air Exposure to Human Health Risk of Adversely Affecting Human Health: No.
- Residual Chlorinated Solvents in Soil Pose Significant Direct Contact and Outdoor Air Exposure to Human Health: No – Soil data does not indicate chlorinated solvent constituents in soil at concentration that may indicate a health concern.
- Chlorinated Solvents in Groundwater Pose Risk to Human Health: No – Only one grab groundwater sample contained PCE at a concentration that slightly exceeded WQOs. This sample was collected in 2012; it is likely this concentration has reduced through natural attenuation at the Site.
- Chlorinated Solvents Pose Significant Vapor Intrusion Risk to Human Health: No – The concentration of PCE is limited to the secondary source area. The closest residential or commercial building is located at least 75 feet from the secondary source. It is unlikely that PCE poses a vapor intrusion risk to human health.

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<sup>2</sup> Nuisance as defined in California Water Code, section 13050, subdivision (m).



Source: Excerpted from "Site Assessment Report and Request for No Further Action at Property Located at 1751 Westwood Boulevard, Los Angeles, CA", by Waterstone Environmental, Inc. dated May 1, 2013.