STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

ORDER WQ 2013-0019-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 The name of the Fund claimant, the Fund claim number, the site name and the applicable site address are as follows:

Thao Le & Tad Fujita
Claim No. 10401
Fujita Farms
14452 Chestnut Street, Westminster
Orange County Environmental Health Department

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 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

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.

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; 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 (Low-Threat Closure Policy or Policy) are explained in the Case Closure Review Summary Report.

A. Low-Threat Closure Policy

In State Water Board Resolution No. 2012-0016, the State Water Board adopted the 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. 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 only be issued 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 (I)(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 on 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 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. 10401

Fuiita Farms

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 Low-Threat Closure Policy and other water quality control policies and applicable water quality control plans.

Pursuant to the Low-Threat Closure 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.

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 agency for this case should be rescinded to the extent they are inconsistent with this Order.

III. ORDER

IT IS THEREFORE ORDERED that:

A. The UST case identified in Section II of this Order, meeting the general and mediaspecific criteria established in the Low-Threat Closure 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 in section II 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 subdivision (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

1UST CASE CLOSURE REVIEW SUMMARY REPORT

Agency Information

Agency Name: Orange County Environmental Health Department (County)	Address: 1241 East Dyer Road, Suite 120 Santa Ana, CA 92705
Agency Caseworker: Julie Wozencraft	Case No.: 90UT222

Case Information

USTCF Claim No.: 10401	Global ID: T0605901300			
Site Name: Fujita Farms	Site Address: 14452 Chestnut Street, Westminster, CA 92683			
Responsible Party (RP1): Thao Le	Address: 8051 19 th Street, Westminster, CA 92683			
(RP2): Tad Fujita	Address: 14452 Chestnut Street Westminster, CA 92683			
USTCF Expenditures to Date: \$99,851	Number of Years Case Open: 22			

URL: http://geotracker.waterboards.ca.gov/profile report.asp?global id=T0605901300

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. A summary evaluation of compliance with the Policy is shown in **Attachment 1: Compliance with State Water Board Policies and State Law**. The Conceptual Site Model upon which the evaluation of the case has been made is described in **Attachment 2: Summary of Basic Case Information (Conceptual Site Model).** Highlights of the case follow:

An unauthorized release of petroleum hydrocarbons was identified during the decommissioning and closure of one 500-gallon UST in October 1990. Since then the Site has undergone various site assessments between 1990 and 2005. The extent of the contamination was limited to the vicinity of the former UST location. Remedial excavation of hydrocarbon-affected soils and their replacement with engineered clean backfill was undertaken in 2008. Groundwater was evacuated from the excavation to facilitate soil removal. Minimal hydrocarbon contamination was detected in the post-removal confirmation samples from the sidewalls and bottom of the excavation. According to groundwater monitoring data, water quality objectives have been achieved or nearly achieved for all constituents. The only petroleum constituent remaining in the groundwater is total petroleum hydrocarbons as gasoline (TPHg) identified in source area monitoring well MW-3 at a concentration of 490 μ g/L. Region 8 has no numeric water quality objective for TPHg.

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The petroleum hydrocarbon release was limited to the shallow soil and groundwater. There are no California Department of Public Health regulated public supply wells or surface water bodies within 250 feet of the defined plume boundary. No domestic supply wells were identified in the files reviewed. Drinking water is provided to water users in the vicinity of the Site by the City of Westminster. The affected groundwater is not currently being used as a source of drinking water, and it is highly unlikely that the affected 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. Remaining petroleum hydrocarbon constituents are limited, stable and concentrations declining. Corrective actions have been implemented and additional corrective actions will not likely change the conceptual site model. Any remaining petroleum hydrocarbon constituents do not pose 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: The case meets Policy Criterion 1 by Class 1. The contaminant plume that
 exceeds water quality objectives is less than 100 feet in length (it is less than 30 feet at this
 site). 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: This case meets Policy Criterion 2b. A professional
 assessment of site-specific risk from exposure shows that maximum concentrations of
 petroleum constituents in soil and groundwater will have no significant risk of adversely
 affecting human health.
- 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 use and the concentration limits for Utility Worker are satisfied. 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 directly substituted 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.

Objection to Closure and Response

The County has not responded to the Responsible Party's 2009 request for closure. RESPONSE: Readily available information about current conditions at the Site shows that the case meets all the Policy criteria.

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 significant risks 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. Orange County Environmental Health has the regulatory responsibility to supervise the abandonment of monitoring wells.

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

Date'

Prepared by Ramesh Sundareswaran

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

The case complies with the State Water Resources Control 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 case complies with the requirements of the Low-Threat Underground Storage Tank (UST) Case Closure Policy as described below.¹

Is corrective action consistent with Chapter 6.7 of the Health and Safety Code and implementing regulations? 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	☑ Yes □ No
been consistent with Chapter 6.7 of the Health and Safety Code and implementing regulations and, since this case meets applicable case-closure requirements, further corrective action is not necessary, unless the activity is necessary for case closure.	
Have waste discharge requirements or any other orders issued pursuant to Division 7 of the Water Code been issued at this site?	□ Yes ☒ No
If so, was the corrective action performed consistent with any order?	□ Yes □ No 丞 NA
General Criteria General criteria that must be satisfied by all candidate sites:	
Is the unauthorized release located within the service area of a public water system?	☑ Yes □ No
Does the unauthorized release consist only of petroleum?	☑ Yes □ No
Has the unauthorized ("primary") release from the UST system been stopped?	☑ Yes □ No
Has free product been removed to the maximum extent practicable?	□ Yes □ No ℤ NA
Has a conceptual site model that assesses the nature, extent, and mobility of the release been developed?	☑ Yes □ No

¹ Refer to the Low-Threat Underground Storage Tank Case Closure Policy for closure criteria for low-threat petroleum UST sites. http://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2012/rs2012_0016atta.pdf

Has secondary source been removed to the extent practicable?	☑ Yes □ No
Has soil or groundwater been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15?	☑ Yes □ No
Nuisance as defined by Water Code section 13050 does not exist at the site?	☑ Yes □ No
Are there unique site attributes or site-specific conditions that demonstrably increase the risk associated with residual petroleum constituents?	□ Yes ☒ No
Media-Specific Criteria Candidate sites must satisfy all three of these media-specific criteria:	
Groundwater: To satisfy the media-specific criteria for groundwater, the contaminant plume that exceeds water quality objectives must be stable or decreasing in areal extent, and meet all of the additional characteristics of one of the five classes of sites:	Control of the contro
Is the contaminant plume that exceeds water quality objectives stable or decreasing in areal extent?	☑ Yes □ No □ NA
Does the contaminant plume that exceeds water quality objectives meet all of the additional characteristics of one of the five classes of sites?	☑ Yes □ No □ NA
If YES, check applicable class: ☑ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 For sites with releases that have not affected groundwater, do mobile constituents (leachate, vapors, or light non-aqueous phase liquids) contain sufficient mobile constituents to cause groundwater to exceed the groundwater criteria?	□ Yes □ No ☒ NA
2. Petroleum Vapor Intrusion to Indoor Air: The site is considered low-threat for vapor intrusion to indoor air if site-specific conditions satisfy all of the characteristics of one of the three classes of sites (a through c) or if the exception for active commercial fueling facilities applies.	
Is the site an active commercial petroleum fueling facility? Exception: Satisfaction of the media-specific criteria for petroleum vapor intrusion to indoor air is not required at active commercial petroleum fueling facilities, except in cases where release characteristics can be reasonably believed to pose an unacceptable health risk.	□ Yes ☒ No
a. Do site-specific conditions at the release site satisfy all of the applicable characteristics and criteria of scenarios 1 through 3 or all of the applicable characteristics and criteria of scenario 4?	□Yes □ No 丞 NA
If YES, check applicable scenarios: □ 1 □ 2 □ 3 □ 4	

	b.	Has a site-specific risk assessment for the vapor intrusion pathway been conducted and demonstrates that human health is protected to the satisfaction of the regulatory agency?	☑Yes □ No □ NA
£X	c.	As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, has the regulatory agency determined that petroleum vapors migrating from soil or groundwater will have no significant risk of adversely affecting human health?	□Yes □ No ☒ NA
3.	Th	rect Contact and Outdoor Air Exposure: e site is considered low-threat for direct contact and outdoor air exposure if e-specific conditions satisfy one of the three classes of sites (a through c).	Same man
-	a.	Are maximum concentrations of petroleum constituents in soil less than or equal to those listed in Table 1 for the specified depth below ground surface (bgs)?	☑ Yes □ No □ NA
±1	b.	Are maximum concentrations of petroleum constituents in soil less than levels that a site specific risk assessment demonstrates will have no significant risk of adversely affecting human health?	□ Yes □ No ☒ NA
	c.	As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, has the regulatory agency determined that the concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health?	□Yes □ No ☑ NA

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ATTACHMENT 2: SUMMARY OF BASIC SITE INFORMATION (Conceptual Site Model)

Site Location/ History

- The Site is located at the northeast corner of Hazard Avenue and Chestnut Street in the City of Westminster. An industrial building, approximately 15,350 square feet in area, occupies the Site's eastern half. A loading dock adjoins this building's western side. Covered parking and work areas are located within the Site's southwestern portion. The areas adjoining the onsite building, loading dock, and covered areas are asphalt-paved and in use as storage and parking areas. A residential dwelling is located approximately 100 feet south (downgradient) of the Site. Willmore Elementary School is located west of the Site across Chestnut Street (crossgradient). The Site is currently owned by the City of Westminster and was last proposed to be used as an indoor law enforcement shooting range.
- A Site map illustrating current site features and monitoring well locations is provided at the end of this closure summary (A&M Environmental Contracting, 2011).
- Nature of Contaminants of Concern: Petroleum hydrocarbons only.
- Source: UST system.
- Date reported: October 5, 1990.
- Status of Release: UST removed.
- Free product: None reported.

Tank Information

Tank No.	Size in Gallons	Contents	Closed in Place/ Removed/Active	Date	
1 1	500	Gasoline	Removed	1990	

Receptors

- GW Basin: Coastal Plain of Orange County.
- Beneficial Uses: Municipal and Domestic supply.
- Land Use Designation: Commercial.
- Public Water System: City of Westminster.
- Distance to Nearest Supply Well: According to data available in GeoTracker, the nearest California Department of Public Health regulated public water supply well is greater than 250 feet from the defined plume boundary. No other water supply wells were identified within 250 feet of the defined plume boundary in the files reviewed.
- Distance to Nearest Surface Water: No surface water was identified within 250 feet of the defined plume boundary.

Geology/ Hydrogeology

- Stratigraphy: The Site is underlain by silt, clay and silty fine sand.
- Maximum Sample Depth: 15 feet below ground surface (bgs).
- Minimum Groundwater Depth: 6.3 feet bgs at monitoring well MW-1.
- Maximum Groundwater Depth: 8.8 feet bgs at monitoring well MW-3.
- Current Average Depth to Groundwater: Approximately 7 feet bgs.
- Saturated Zones(s) Studied: Approximately 6-23 feet bgs.
- Appropriate Screen Interval: Well screens submerged.
- Groundwater Flow Direction: South-southeast.

Monitoring Well Information

Well Designation	Date Installed	Screen Interval (feet bgs)	Depth to Water (feet bgs) (Feb 2011)	
MW-1	1993	8-23	6.57	
MW-2	1993	8-23	6.66	
MW-3	1993	8-23	6.87	

Remediation Summary

- Free Product: None reported in GeoTracker.
- Soil Excavation: At least 100 tons of impacted soils have been excavated and managed offsite. Excavation limits in the source area were approximately 17 feet by 22 feet with depths of 12 feet on the western side and 15 feet on the eastern side. Post-excavation confirmatory sampling indicated 170 parts per million (ppm) of TPHg, 0.036 ppm of benzene, 0.086 ppm of ethyl benzene, 0.002 ppm of toluene, 0.016 ppm of xylenes and non-detectable levels of methyl tertiary-butyl ether (MTBE) and tertiary-butyl alcohol (TBA) remaining at 12 feet bgs in the excavation.
- In-Situ Soil Remediation: None reported.
- Groundwater Remediation: Dewatering of up to 6,700 gallons of groundwater for excavation of impacted soils.

Most Recent Concentrations of Petroleum Constituents in Soil

Constituent	Maximum 0-5 feet bgs [mg/kg (date)]	Maximum 5-10 feet bgs [mg/kg (date)]		
Benzene	Clean fill (7/31/2008)	Clean fill (7/31/2008)		
Ethylbenzene	Clean fill (7/31/2008)	Clean fill (7/31/2008)		
Naphthalene	Clean fill (7/31/2008)	Clean fill (7/31/2008)		
PAHs	Not applicable	Not applicable		

mg/kg: milligrams per kilogram, parts per million Not detected at or above stated reporting limit

PAHs: Polycyclic aromatic hydrocarbons

Most Recent Concentrations of Petroleum Constituents in Groundwater

Sample	Sample Date	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- Benzene (µg/L)	Xylenes (μg/L)	MTBE (µg/L)	TBA (µg/L)
MW1	02/21/11	<50	<2	<2	<2	<4	<5	<50
MW2	02/21/11	<50	<2	<2	<2	<4	<5	<50
MW3	02/21/11	490	<2	<2	70	<4	<5	<50
WQOs	_	NAª		150	300	1,750	5	1,200 ^b

NA: Not Analyzed, Not Applicable or Data Not Available

TPHg: Total Petroleum Hydrocarbons measured as gasoline

MTBE: Methyl tertiary-butyl ether

Tertiary-butyl alcohol

μg/L: micrograms per liter, parts per billion

µg/L: micrograms per liter, parts per billion
<: Not detected at or above stated reporting limit
WQOs: Water Quality Objectives, Region 8 Basin Plan

^a: Region 8 Basin Plan does not have a numeric water quality objective for TPHg

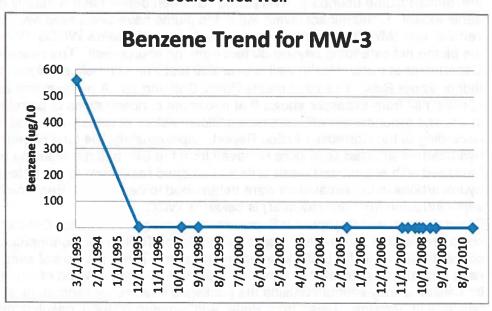
b: CDPH Response Level

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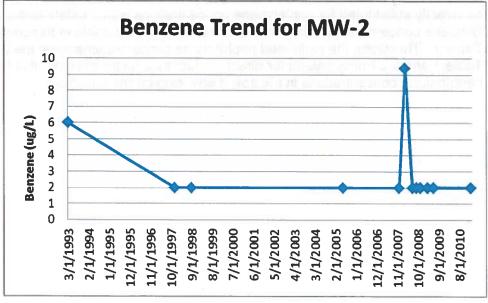
Groundwater Trends:

 There are 17 years of irregular groundwater monitoring data for this case. Benzene trends are shown below: Source Area (MW-3) and Downgradient (MW-2).

Source Area Well







Evaluation of Current Risks

- Estimate of Petroleum Hydrocarbons Mass in Soil: No data available.
- Soil/Groundwater Tested for MTBE: Yes, see table above.
- Oxygen Concentrations in Soil Vapor: None reported.
- Plume length: <100 feet.

- Plume stable or degrading: Yes.
- Contaminated Zone(s) Used for Drinking Water: No.
- Groundwater Risk: 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. The plume has been defined and is clearly decreasing in aerial extent. Contaminant levels within the plume have decreased over time and the sentinel well (MW2) concentrations continue to remain below WQOs. This has resulted in the plume not extending beyond 30 feet from the source well. The nearest California Department of Public Health well is over 250 feet from the defined plume boundary.
- Indoor Vapor Risk: This case meets Policy Criterion 2b. A professional assessment of site-specific risk from exposure shows that maximum concentrations of petroleum constituents in soil and groundwater will have no significant risk of adversely affecting human health. According to the Corrective Action Report, approximately 104 tons of petroleum hydrocarbon-affected soils were removed from the Site and the resulting excavation backfilled with engineered clean soils and crushed rock down to 12-15 feet bgs. Remaining hydrocarbons in the excavation were determined to be minimal. Benzene (primary driver for vapor intrusion from groundwater) is below its WQO.
- 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 use and the concentration limits for Utility Worker are satisfied. 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 directly substituted 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.

FORMER FUJITA FARMS 14452 CHESTNUT STREET WESTMINSTER, CALIFORNIA 92683

