

## Central Coast Regional Water Quality Control Board

### Public Notice of Work Plan for Surfactant Injection Pilot Test

Former Russo's Marine  
Fueling Station  
Northeast Corner of Del Monte  
Avenue & Figueroa Street  
Monterey, CA

July 25, 2018

The Water Board is providing this notification to the landowners, residents/occupants, tenants, and interested parties near this groundwater cleanup site to notify you of upcoming cleanup actions and to solicit comments. This notification describes the site background, proposed cleanup approach, and the next steps in cleanup.

***El propósito de este documento es proporcionar información a inquilinos y propietarios del área circundante sobre mitigación de vapor provisional. Si desea obtener información en español, póngase en contacto con Hector Hernandez al (805) 542-4641.***

#### Introduction

The Central Coast Regional Water Quality Control Board (Water Board) is the regulatory agency responsible for overseeing the soil and groundwater investigation and cleanup at the Former Russo's Marine Fueling Station (Site). The Site is located on the northeast corner of Del Monte Avenue and Figueroa Street, approximately 400 feet south of Municipal Wharf No. 2 and Monterey Bay. The Site currently consists of two commercial buildings, public restrooms, the Monterey Bay Coast Trail, a boat enclosure, and an empty lot used for parking. Groundwater beneath the property is polluted with floating product, also referred to as light non-aqueous phase liquid (LNAPL) and dissolved-phase total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary-butyl ether (MTBE) related to former marine-fueling activities. The purpose of this notification is to provide the public with a summary of the proposed pilot study groundwater cleanup activities planned at the Site by Farallon Consulting, L.L.C. (Farallon) on behalf of Prologis, Inc. and to solicit your comments.

#### Site Background

In 1926, the Site was developed as a railroad station by Southern Pacific Rail Road Company, and was reportedly used as a fuel-loading station until Mobil/General Petroleum occupied the Site in the 1940's. Mobil Oil added a pipeline that ran from a gasoline underground storage tank (UST) along Figueroa Avenue to Municipal Wharf No. 2. From approximately 1974 to 1988, Tom Russo's Marine Fueling Station operated a marine fuel supply service station and stored diesel fuel in five above-ground tanks (ASTs) and gasoline fuel in three USTs, located within a concrete tank enclosure at the southwest corner of the property. These tanks were removed in 1993 and the Site became parking for visitors to the Wharf. The City of Monterey is the current owner of the Site.

Groundwater monitoring and remediation has been performed at the Site since 1988. A portion of impacted soil was excavated during tank removal activities in 1993. Soil and groundwater remediation was performed between 1998 and 2002 using a high vacuum extraction (HVE) system. Passive recovery of LNAPL in groundwater monitoring wells has also been performed since 2002. During the first quarter of 2018 groundwater monitoring event LNAPL was observed in five wells at thicknesses ranging from 0.02 to 0.30 feet.

### **Proposed Cleanup Approach**

As described in the June 1, 2018 *Pilot Test Work Plan* (Work Plan<sup>1</sup>), Farallon plans to inject Ivey-sol® 106 surfactant in an area where LNAPL has been observed in groundwater monitoring wells. Ivey-sol® is reportedly a biodegradable formulation that contractors inject into the groundwater to decrease soil surface tension and release hydrocarbons to make them more available for remediation. Farallon plans to inject the Ivey-sol® surfactant at well location HVEW-5 and extract groundwater and surfactant from a new well (PS-1) that will be constructed. The well locations are shown on Figure 2 (attached). These types of injections are very common, and this remediation method has been successfully used by contractors across the nation to enhance the removal of and reduce the concentrations of contaminants in groundwater.

### **Next Steps in Cleanup**

Water Board staff will approve the Work Plan and permit the injections after consideration of public comments. After the pilot test is complete Farallon will evaluate the data and provide recommendations on whether the pilot test results warrant additional application of surfactant injection and extraction at the Site. Water Board staff will oversee the pilot testing and groundwater monitoring activities and determine when the cleanup is complete.

### **Public Comment Period**

The public has 30 days to comment on the proposed Work Plan, as summarized in this fact sheet. Copies of the Work Plan and other reports are available under the "Site Maps/Documents" tab on GeoTracker at the following website address:

[http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=SLT3S5671374](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SLT3S5671374)

If you would like more information or you need a hardcopy of a report, or if you wish to comment on the information provided, please contact Ms. Amber Sellinger at the Water Board. All interested parties are required to submit their comments to the Water Board in writing (email or letter) on or before **August 24, 2018**, for Water Board staff consideration. Comments should be addressed to:

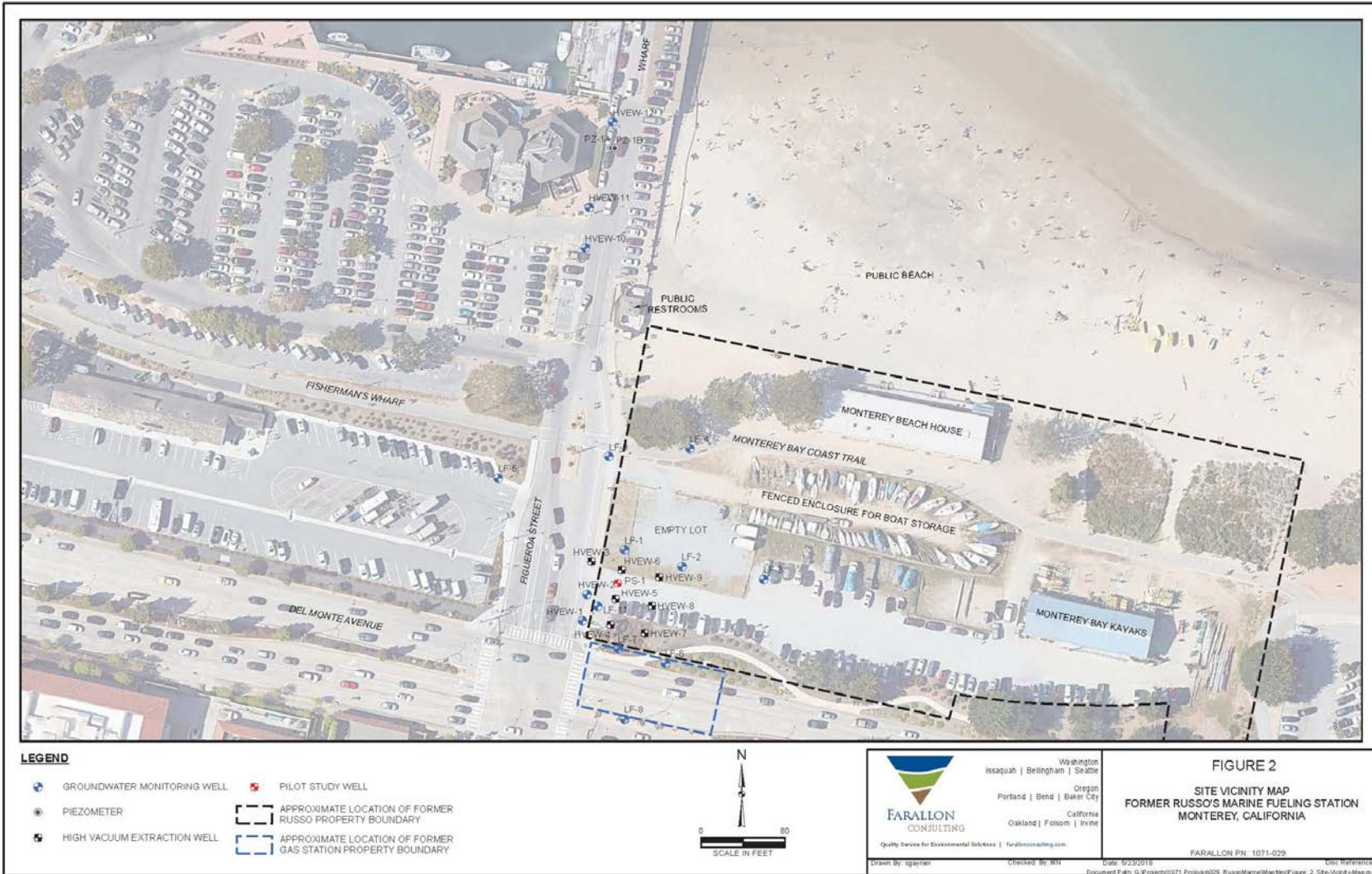
Ms. Amber Sellinger  
Central Coast Water Board  
895 Aerovista Place, Suite 101  
San Luis Obispo, CA 93401  
(805) 549-3866

[Amber.Sellinger@waterboards.ca.gov](mailto:Amber.Sellinger@waterboards.ca.gov)

If you would like to receive future correspondence on this cleanup site, please contact Ms. Sellinger and request to be added to the interested parties' mailing list.

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<sup>1</sup> [http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_report/4857174813/SLT3S5671374.PDF](http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4857174813/SLT3S5671374.PDF)



DR. JEAN-PIERRE WOLFF, CHAIR | JOHN M. ROBERTSON, EXECUTIVE OFFICER

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