



FACT SHEET ON ENVIRONMENTAL ASSESSMENT
BP #11107

(now 76 Station)

18501 Hesperian Boulevard, San Lorenzo, CA 94580

Fuel Leak Case No. RO0000489 and

GeoTracker Global ID T0600101665

ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION

1131 Harbor Bay Parkway, Suite 250

Alameda, CA 94502-6577

(510) 567-6700

FAX (510) 337-9335

Site Remediation Summary

This fact sheet has been prepared to inform community members and other interested stakeholders regarding the status of the soil and groundwater cleanup at the former BP Station (now 76 Station) located at 18501 Hesperian Boulevard in San Lorenzo, California. British Petroleum (BP) is the lead responsible party for the case and their environmental consultant is ARCADIS. The exact source of contamination is not known, but it is suspected that vapor return line for one of the USTs likely failed.

Site Background

The site is an active 76-branded service station located on the southwest corner of Hesperian Boulevard and Bockman Road in San Lorenzo, California. The site is located in a mixed commercial/residential area. A bank is located north of the site. A strip mall is located northeast of the site. Fast food restaurants are located east of the site. A dry cleaner is located adjacent to the site on the west side.

The service station consists of a station building and four dispenser islands with a concrete drive slab and a canopy, three underground storage tanks (USTs) of unknown size that store gasoline, one UST storing used oil, and associated piping and dispensers. BP acquired the property from Mobil Oil Corporation in 1989. BP operated the site as a service station until it was transferred to Tosco Marketing Company in 1994. BP has not operated the facility since that time. Groundwater monitoring wells were installed at the site. Soil and groundwater samples were collected at the site and petroleum contamination was discovered.

Site Investigations

The Alameda County Environmental Health (ACEH), the local regulatory agency, oversees investigation and cleanup activities at the site. From 1992 to 2009, soil and groundwater investigations were completed at the site and surrounding area. These investigations characterized the hydrogeology, subsurface conditions, and the nature, extent, and fate of the petroleum contamination.

Groundwater occurs at a depth of approximately 15 to 20 feet below the ground surface with a groundwater gradient towards the west northwest.

The product lines and dispensers were removed and replaced in November 1999. Petroleum hydrocarbons were again detected in compliance soil and groundwater samples.

Contaminated soil has caused localized groundwater contamination. Groundwater contamination extends slightly deeper than soil contamination. Available data indicates that the groundwater plume is not migrating and groundwater concentrations are generally decreasing with time. Natural attenuation mechanisms, primarily biodegradation, will eventually decrease contaminant concentrations to below laboratory detection limits - the contamination will eventually abate entirely.

The primary chemicals of concern are total petroleum hydrocarbons as gasoline (TPH-gasoline), benzene and MTBE. In soil, MTBE and benzene have been measured at concentrations above the Regional Water Quality Control Board's (RWQCB) applicable environmental screening levels (ESLs). In groundwater, TPH-gasoline, benzene, and MTBE have been measured at concentrations below their environmental screening levels for drinking water. The most likely exposure route for contamination, which may affect human health, is potential contaminant volatilization to indoor air exposure. The potential for such exposures are unlikely since a residential structure is not located above the contamination and groundwater contaminant concentrations are below ESLs.

Remedial actions completed at the site consisted of replacing the product piping. Periodic groundwater sampling from 1992 to 2009 was conducted at the site.

Next Step

BP has been working with Alameda County Environmental Health (ACEH) to investigate the site. No further soil and groundwater investigations or remediation is planned for the site. The source of contamination, the failed piping, has been removed. The site has been adequately characterized and the groundwater contaminant plumes are either stable or decreasing with time. The site data have demonstrated that, with time, contaminant concentrations will likely abate entirely.

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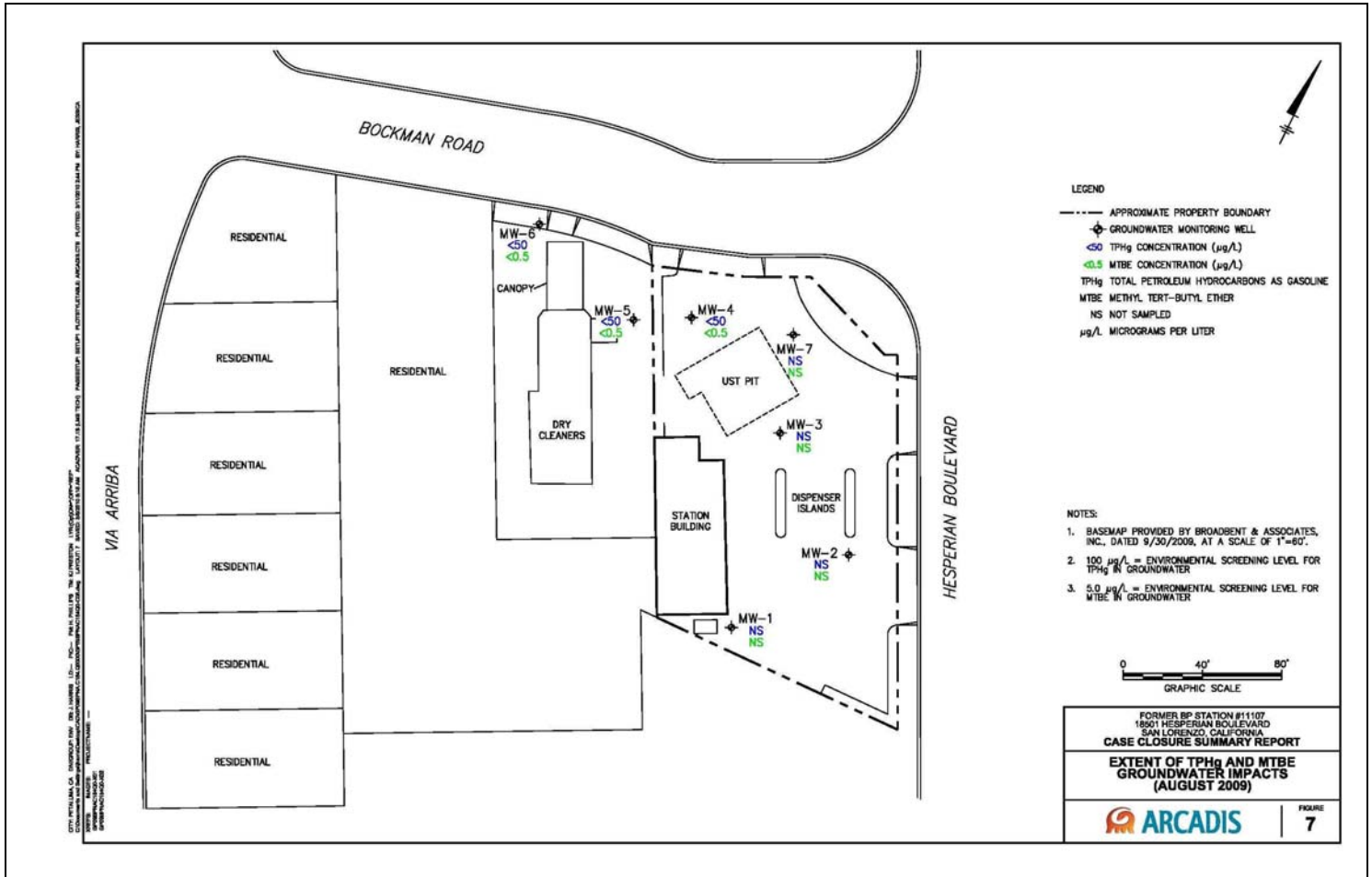
(76 Service Station)

18501 Hesperian Boulevard, San Leandro, CA 94580

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The site is proposed for case closure. All the site investigation activities are described in reports prepared by ARCADIS on behalf of BP. The public is invited to review and comment on the proposed closure of this case. The case file is available on ACEH's website (<http://www.acgov.org/aceh/lop/ust.htm>) or the State Water Resources Control Board's GeoTracker website (<http://www.geotracker.waterboards.ca.gov/>). The case file is also available for review on-line at the ACEH located at

1131 Harbor Bay Parkway in Alameda, California. Please send a fax to 510-337-9335 to request a date and time to review the case file. Please send written comments regarding the proposed action to Paresh Khatri at the address below. All written comments received by **October 30, 2010** will be forwarded to the Responsible Party and will be considered and responded to prior to a final determination on the proposed case closure.

For Additional information, please contact:

Paresh Khatri
 Alameda County Environmental Health
 1131 Harbor Bay Parkway, Ste 250
 Alameda, CA 94502
 Phone: 510-777-2478
 E-mail: Paresh.Khatri@acgov.org

Hollis Phillips
 ARCADIS
 100 Montgomery Street, Suite 300
 San Francisco, CA 94104
 Phone: 415-374-2744
 E-mail: hollis.phillips@arcadis-us.com