STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

BP #11107 (T0600101665) - (MAP)

18501 HESPERIAN
SAN LORENZO, CA 94580
ALAMEDA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0000489*
CASEWORKER: *PARESH KHATRI*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1797*
CASEWORKER: *Cherie McCaulou*
CUF Claim #: 16529
CUF Priority Assigned: D
CUF Amount Paid:

Regulatory Profile

PRINTABLE CASE SUMMARY

CLEANUP STATUS - DEFINITIONS
COMPLETED - CASE CLOSED AS OF 3/25/2011 - CLEANUP STATUS HISTORY

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA AFFECTED
OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION
STORED ELECTRONICALLY AS AN E-FILE

BENEFICIAL USE
GW - MUNICIPAL AND DOMESTIC SUPPLY

GROUNDWATER MONITORING FREQUENCY
OF WELLS MONITORED - SEMI-ANNUALLY : 3

Site History

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 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. 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.

On October 22, 1992, four soil borings (B-1 to B-4) were installed under the oversight of Alisto Engineering Group (Alisto) at depths from 26-1/2 to 31-1/3 feet bgs. These borings were then converted into groundwater monitoring wells (MW-1 through MW-4). Soil samples detected up to 51 mg/kg TPH-g, 0.4 mg/kg benzene, 0.42 mg/kg toluene, 0.76 mg/kg ethylbenzene, and 3 mg/kg xylenes. The first groundwater monitoring event conducted on November 4, 1992, detected up to 900 µg/L TPH-g, 150 µg/L benzene, 15 µg/L toluene, 1.9 µg/L ethylbenzene, and 57 µg/L xylenes. One groundwater sample from one well was analyzed for TPH-d and TOG. Both contaminants were not detectable above the laboratory reporting limits of 50 µg/L and 5000 µg/L, respectively.

Groundwater sampling from February 24, 1994 detected up to 310 µg/L TPH-g, 150 µg/L benzene, 5.3 µg/L toluene, 2.2 µg/L ethylbenzene, and 17 µg/L xylenes. Groundwater monitoring continued through November 3, 1994.

On February 15, 1995, three additional soil borings (B-5 to B-7) were installed and subsequently converted into groundwater monitoring wells (MW-5 to MW-7). No contaminants were found at or above reporting limits (TPH-g <2.5 mg/kg, B, T, & E <0.025 mg/kg, X <0.05 mg/kg) in any soil samples. Groundwater samples, however, detected up to 9400 µg/L TPH-g, 1800 µg/L benzene, 26 µg/L toluene, 450 µg/L ethylbenzene, and 400 µg/L xylenes. MW-1 was tested for additional contaminants, and detected 420 µg/L TOG, 0.47 ppb chloroform, 0.3 µg/L PCE, 0.54 µg/L 1,1,1-TCA, 1.1 µg/L cadmium, 30 µg/L chromium, 40 µg/L nickel, 11 µg/L lead, and 70 µg/L zinc. Groundwater monitoring continued at the site.

On November 2, 1999, product lines and dispensers were removed and replaced. During replacement work, compliance soil samples were taken from beneath the dispensers and beneath the product lines. Soil samples detected up to 4.17 mg/kg TPH-g, 0.0287 mg/kg xylenes, and 14.1 mg/kg MTBE. On November 8, 1999, five soil borings (CB-1 to CB-5) were installed and soil and water samples were collected. Soil samples detected <0.47 mg/kg TPH-g, with non-detectable (<0.005 mg/kg) concentrations of BTEX & MTBE. Grab groundwater samples detected up to 1,800 µg/L TPH-g, up to 16 µg/L ethylbenzene, and 44 µg/L xylenes. Groundwater monitoring continued at the site.

Groundwater monitoring has been conducted at the site since November 1992. To date, seven wells (MW-1 through MW-7)