

QUARTERLY SUMMARY REPORT  
2ND QUARTER - 1999  
(APRIL-JUNE)

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Alameda County  
Environmental Health

TOSCO (UNOCAL) SERVICE STATION No. 5325  
3220 Lakeshore Avenue  
Oakland, California

COUNTY: Alameda

RWQCB Office: San Francisco Bay Region

**BACKGROUND:** The site is currently an operating Tosco service station. The underground storage tanks were replaced in June 1990. Approximately 850 cubic yards of soil was excavated during UST replacement activities. Three groundwater monitoring wells were installed on-site in September 1990. Two additional on-site monitoring wells and one offsite monitoring well were installed in June 1994. Quarterly sampling of wells began in October 1990. Conducted groundwater study which indicated no influence from Lake Merritt. Product skimmer was installed in Well U-1 during the First Quarter 1996 and is currently maintained. Waste oil UST and product lines were removed in November 1996. Approximately 147 tons of soil was excavated from the product lines. One UST backfill observation well was installed and a Limited Subsurface Investigation was performed on June 23, 1997. Soil samples were collected for specific analysis for future in a RBCA preparation. Approximately 13,000 gallons of groundwater was extracted from the UST complex for remedial purposes. Fourth Quarter 1997 investigation reported free phase product in wells MW-1 and MW-2. A subsequent investigation indicated that no free phase product was observed and that the initial (quarterly) investigation was incorrect.

**RECENT QUARTER ACTIVITIES:** Prepared quarterly summary reporting. Monitored and sampled groundwater monitoring wells. Performed vapor extraction on site wells utilizing a mobile "high vac" extraction system. In addition, approximately 20,000 gallons of groundwater was purged during "high vac" extraction system operation.

**NEXT QUARTER ACTIVITIES:** Prepare and submit the quarter summary report. Perform quarterly groundwater monitoring and sampling. Issue results from vapor extraction activities. Initiate groundwater purging of the UST pit (periodically).

**CHARACTERIZATION/REMEDIAL STATUS:**

Soil contamination delineated?

Yes

Dissolved ground water delineated?

No

Free product delineated?

Yes

Amount of impacted GW recovered this quarter?

20,000 (gal)

Amount of impacted GW recovered historically?

33,659 (gal)

Soil remediation in progress?

No - USTs replaced in  
June 1990, lines replaced  
November 1996.

- anticipated start?

N/A

- anticipated completion?

N/A

Dissolved/free product remediation in progress?

Free Product (skimmer)

- anticipated start?

1/96

- anticipated completion?

4Q97

**CONSULTANT/CONTRACTOR:**

Gettler-Ryan Inc.