

**QUARTERLY SUMMARY REPORT**  
 4th QUARTER - 2001  
 (October-December)

**RECEIVED**  
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 Alameda County  
 Environmental Health

Tosco (76) 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 76 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 use 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. Alton Geosciences performed vapor extraction on site wells in April 1999, utilizing a mobile dual phase extraction system. Approximately 20,000 gallons of groundwater was purged during dual phase extraction system operation. Installed an additional UST backfill conductor casing and commenced purging of groundwater in third quarter 2000.

**RECENT QUARTER ACTIVITIES.** Prepared and submitted the quarterly summary report. Monitored and sampled the groundwater monitoring wells. Continued groundwater purging of the UST pit.

**NEXT QUARTER ACTIVITIES:.** Perform quarterly groundwater monitoring and sampling. Continue groundwater purging of the UST pit, collect water sample from UST pit, and evaluate the effectiveness of purging.

**CHARACTERIZATION/REMEDIAL STATUS:**

Soil contamination delineated?	<u>Yes</u>
Dissolved ground water delineated?	<u>No</u>
Free product delineated?	<u>Yes</u>
Amount of impacted GW recovered this quarter?	<u>13,100</u> (gal)
Amount of impacted GW recovered historically?	<u>115,384</u> (gal)
Soil remediation in progress?	<u>No - USTs replaced in June 1990, lines replaced November 1996.</u>
- anticipated start/completion?	<u>N/A</u>
Dissolved/free product remediation in progress?	<u>Yes (groundwater purging)</u>
- anticipated start?	<u>1/01</u>
- anticipated completion?	<u>unknown</u>

**CONSULTANT/CONTRACTOR:**

Store# <u>255325</u>	<u>Gettler-Ryan Inc.</u>
Report Type Code: <u>@ QRT</u>	
Description: <u>4 QRT Report 2001</u>	
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