GETTLER-RYAN INC.

June 9, 1998

Ms. Tina Berry
Tosco Marketing Company
2000 Crow Canyon Road, Suite 400
San Ramon, California 94583

Subject: **Final Incident Report**
Unocal Service Station No. 7376
4191 First Street
Pleasanton, California

Ms. Berry:

This letter was prepared to notify you of the accidental breaching of a water line at the above site on June 8, 1998, during soil boring activities. Work was performed in accordance with the Kaprealian Engineering Inc. work plan dated May 6, 1997 and the Gettler-Ryan Inc. (GR) work plan addendum dated May 7, 1998.

The approximate location of the boring was approved by the Tosco Project professional and by Mr. Scott Seery of Alameda County Health Care Services Agency. The exact location of the boring was then selected by GR personnel. The location of the boring was then marked with white paint. No trench scars, utility vaults, or other indicators of buried utilities were noted in the area around the proposed boring. GR personnel notified USA North on June 4, 1998. The USA ticket number is 144019. The site was inspected by Cruz Brothers Sub-Surface Locators on June 2, 1998. No utilities or piping were detected in the area of the selected boring location. In addition, the general arrangement plan provided by Tosco did not show any utilities in the area.

An 8-inch diameter hollow stem auger was used by Woodward Drilling to breach the 4 inch thick asphalt at the location designated B-9. A 4-inch hand auger was then used to clear the boring to an approximate depth of 5 feet below ground surface (bgs). The hollow stem auger was then advanced to 5 feet bgs and 10 feet bgs, where soil samples were collected. During these activities, the GR representative was discussing possible access with the grading contractor working on the nearby Kaufman-Broad property (adjacent to the former railroad right-of-way) in an attempt to drill a future groundwater monitoring well on the downslope (west) shoulder of the railroad right-of-way. The

recent grading activities has opened up the access along the property line of the railroad right-of-way. The GR representative did not observe the hand auguring or direct the initial 10 feet of downhole drilling. The driller proceeded upon his own accord.

At approximately 3:40 PM, water began to flow from the mouth of the boring as the hollow stem auger was being advanced to a depth of 50 feet bgs. Drilling was ceased and the water valve to the site was found and closed, stopping the flow of water from the boring. The GR project manager was immediately called, who in turn contacted the GR construction foreman to arrange for immediate repair of the broken water line. The Tosco project professional was notified at 4:30 PM by the GR project manager.

The augers were removed from the boring upon closure of the water valve. Upon inspection, a piece of PVC piping was observed on the south side of the boring at a depth of approximately 2 feet bgs. A decision was made to finish drilling the soil boring to projected depth of approximately 72 feet bgs, since the repair crew could not arrive at the site until 6:00 PM. The boring was advanced to a final depth of 81 feet bgs by 5:20 PM. The augers were removed and the boring was prepared for backfilling with neat cement slurry. The GR repairman arrived at 5:55 PM and grouting of the boring to a depth of 3 feet bgs was completed by 6:30 PM.

An approximately 2-foot by 2.5-foot section of asphalt was removed from the mouth of the boring and the area was hand-excavated to a depth of approximately 3 feet bgs. A 1-1/2-inch diameter PVC pipe was encountered at approximately 2 feet bgs and directly beneath it was a 3/4-inch PVC pipe. There was sand backfill approximately 1 inch on either side of the 1-1/2-inch line. These pipes ran approximately east-west from the planter toward the station kiosk. The drill had breached the northern 2/3 of the 1-1/2-inch pipe and the northern 1/4 of the 3/4 -inch line. The 0.75-inch pipe was determined to be a live water line by opening the water valve. In addition, a 4-inch diameter ABS sewer pipe (?) was discovered approximately 3 inches west of the boring at a depth of 19 inches bgs. This pipe was inspected and determined not damaged during drilling or repair activities.

The PVC pipes were repaired and the water valve opened by 8:25 PM. The excavation could not be immediately backfilled due to subsidence of the neat cement to a depth of approximately 10 feet bgs. The boring was later topped off with neat cement, the excavation backfilled with native material and clean imported sand, and sealed with blackened concrete on June 9, 1998.

All standard precautions were followed to conduct safe and clean operation during drilling and construction activities.

If you have any questions, please call me at (415) 893-1515.

Sincerely,

Clyde J. Galantine
Project Geologist

David J. Vossler
Project Manager