

# AC Transit

Alameda Contra Costa Transit District

**Suzanne Patton, P.E.**  
Environmental Engineer  
(510) 577-8869  
June 2, 2003

Ms. eva chu  
Alameda County Health Division  
Division of Environmental Protection  
Department of Environmental Health  
1131 Harbor Bay Parkway, Second Floor  
Alameda, CA 94502

RO-402  
Alameda County  
JUN 09 2003  
Environmental Health

Dear Ms. chu:

Subject: Subsurface Investigation Workplan  
AC Transit, 1177 47th Street, Emeryville

AC Transit hereby submits the enclosed Subsurface Investigation Report for the AC Transit facility located at 1177 47<sup>th</sup> Street in Emeryville (Enclosure 1). This report was prepared by our consultant, Cameron-Cole, LLC, and presents the results of a subsurface investigation performed to evaluate the extent of hydraulic oil in the vicinity of the Tire Shop. The scope of work for the investigation is contained in the Workplan for Subsurface Investigation that was submitted to Alameda County in January 2003.

The field work consisted of drilling six soil borings: four along Doyle Street, just outside the yard's west wall, one in the Tire Shop and a sixth near the emergency generator diesel fuel underground storage tank. Grab ground water samples were collected and analyzed for total petroleum hydrocarbons (TPH) as stoddard solvent, diesel, motor oil, and gasoline.

Analytical results of the grab ground water sample from SB-3 indicated the presence of total petroleum hydrocarbons as diesel at a concentration of 9,500 ppb and motor oil at a concentration of 34,000 ppb. SB-3 is located downgradient of the well (MW-13) that free phase hydrocarbon (floating product) was discovered during the ground water monitoring event in the last quarter of 2002. The motor oil was quantified from a carbon chain range of C18 through C40 which is very similar to the range for hydraulic oil. In addition, stoddard solvent was detected in samples collected from SB-1 and SB-2 at concentrations of 17,000 ppb and 1,400 ppb, respectively.

The extent of free phase hydrocarbon that is suspected to be associated with the leak of the hydraulic hoist in the Tire Shop is still not defined. In the Workplan for Subsurface Investigation, we proposed that three additional soil borings (with two of these borings being converted to monitoring wells), will be installed if more information was needed to further delineate the extent of the release.

We propose to drill four soil borings (SB-7 through SB-10) at locations depicted on the figure provided as Enclosure 2. Based on information obtained from these four borings, two monitoring wells will be installed where we expect TPH levels to be either very low or nondetectable. Sampling of these wells will be incorporated into the site's existing quarterly monitoring program.

If you have any questions or comments regarding this report or our plans to conduct additional investigation activities, please call me at (510) 577-8869.

Sincerely,

  
Suzanne Patton, P.E.  
Environmental Engineer

Enclosures

1. Subsurface Investigation Report for the AC Transit 1177 47<sup>th</sup> Street Facility, Emeryville, CA, Cameron-Cole LLC, May 2003
2. Figure 1, Tire Building, Cameron-Cole LLC, May 2003

