



April 27, 2006

Mr. Hernan Gomez
Fire Services Agency
Office of Emergency Services
1605 Martin Luther King Way, Fire Station #1
Oakland, CA 94607

2006 MAY -1 PM 2:50

RE: Removal of Diesel-Contaminated Soil at East Bay Municipal Utility District (District) Main
Wastewater Treatment Plant

Dear Hernan:

In a letter dated September 23, 2005 (see Attachment 1), we described the District's plans to erect a carport-like structure at the District's Main Wastewater Treatment Plant (MWWTP) at a location formerly occupied by an above-ground diesel storage tank. That letter stated that the District would remove soil containing diesel-range hydrocarbons at levels in excess of 50 ppm, as had been requested in 1994 by the Alameda County Health Care Service Agency.

The District has reconsidered this plan, and proposes instead, to excavate the top 13 inches of soil and cap the site with pavement. The District believes this is an appropriate and cost-effective approach toward addressing petroleum hydrocarbons identified in this area, particularly considering the current uses of the site, and the fact that it is located directly adjacent to a rail corridor owned by Union Pacific. Excavation will be effective in removing soil containing elevated petroleum hydrocarbon concentrations, and the cap will serve to limit migration.

The District collected samples from the site in October 2005 (see Attachment 2). These samples confirmed the existence of diesel contamination, as was found in samples collected in October 1994 (see Attachment 3). The highest concentration of diesel measured was 2100 mg/kg. Gasoline-range compounds were not detected.

Mr. Hernan Gomez
April 27, 2006
Page 2

The 1994 sampling indicated that where significant concentrations of diesel were found, it existed in the top 12 inches of soil. The District believes that removing the top layer of soil and capping the site will be protective of current and future uses of the site and groundwater.

If you have any questions or need additional information, please contact Dan Jackson at (510) 287-0509.

Sincerely,



John H. Schroeter, P.E.
Manager of Environmental Compliance

JHS:DEJ:sp

Attachments

cc: Alameda County Environmental Health
1131 Harbor Bay Parkway,
Alameda, CA 94502-6577

September 23, 2005

Hernan Gomez
Fire Services Agency
Office of Emergency Services
1605 Martin Luther King Way, Fire Station #1
Oakland, CA 94607

RE: Removal of Aboveground Diesel Storage Tank at East Bay Municipal Utility
District Main Wastewater Treatment Plant

Dear Hernan:

East Bay Municipal Utility District (District) plans to remove the empty aboveground tank formerly used for diesel fuel at the Main Wastewater Treatment Plant, located at 2020 Wake Avenue in Oakland. The tank, which was emptied and taken out of service in December 2004, is a 1000-gallon Convault tank and will be sold to another party for re-use. The District plans to pave the area and construct a carport structure at that location.

In 1994, the District evaluated the possibility of removing the tank and locating electrical equipment in that area. Preliminary soil sampling indicated the presence of low concentrations of diesel-range hydrocarbons in surface soil in the vicinity of the tank. Concentrations of Total Petroleum Hydrocarbons – diesel range (TPHd) were below 50 mg/kg in most samples, with a maximum concentration of 300 mg/kg. No gasoline-range hydrocarbons were detected. These sampling results were communicated to the Alameda County Department of Environmental Health, noting that the levels of hydrocarbons did not pose an immediate threat to public health or the environment. In a letter dated November 17, 1994 (attached), the County requested that, in the course of removing soil from this area, the District achieve a clean-up goal of 50 mg/kg diesel-range hydrocarbons.

The project did not proceed as planned, however, as the electrical equipment was installed in a different location. The Convault tank remained in service until late last year and no excavation was performed in that area. The District has no record of any release of diesel fuel from the tank, and believes that the soil conditions have not changed significantly since that time.

Hernan Gomez
September 23, 2005
Page 2

Assuming that the clean-up approach requested by the County is acceptable to your Department, and following removal of the tank, the District will remove the top two feet of soil in the vicinity of the tank and collect confirmation samples to ensure that a clean-up goal of 50 mg/kg TPHd is met. The District will submit a report documenting the work and confirmatory sampling results to your office following completion of this work.

If you have any questions or comments, please contact Dan Jackson at (510)-287-0509.

Sincerely,



JOHN H. SCHROETER, P.E.
Manager of Environmental Compliance

JHS:lrc

Attachments

cc: Alameda County Environmental Health
1131 Harbor Bay Parkway,
Alameda, CA 94502-6577

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ACTION PLAN IN REPORT SHOULD REDUCE
CONTAMINATION BELOW 50 PPM.

CC: AS

RAFAT A. SHAHID, Assistant Agency Director

RESPONSE - ALISTO
SOIL CONT. INVESTIGATION REPORT.

RECEIVED
NOV 22 1994

REGULATORY COMPLIANCE OFFICE

November 17, 1994

Richard G. Sykes
East Bay Municipal Utility District
P.O. Box 24055
Oakland, CA 94623-1055

ALAMEDA COUNTY CC4580
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577

Re: Diesel Contamination of Soil in Vicinity of the Above-Ground Diesel Fuel Storage Tank at the Compost Production Area, EBMUD Main Wastewater Treatment Plant

Dear Mr. Sykes,

This office has reviewed Alisto Engineering Group's (Alisto) Preliminary Soil and Ground water Investigation Report, dated October 21, 1994, and the attached November 2, 1994 cover letter, for the above site. In response to your proposal to excavate the observed TPHd-contaminated soil down to 100 ppm, this office is requesting that you remediate the soil contamination down to at least 50 ppm, which is a standard cleanup goal for TPHd in our office.

Following the excavation and confirmatory sampling work proposed for the spring of 1996, this office is requesting that you submit a report documenting the work and sampling results.

If you have any questions or comments, please contact me at (510) 567-6700.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Edgar Howell