ENVIRONMENTAL PROTECTION
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Transmitted Via UPS Next Day Service

March 28, 1996

Mr. Barney M. Chan
Hazardous Material Specialist
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Re: Work Plan for Additional Site Investigation for UPS Service Facility,
8400 Pardee Drive, Oakland, CA 94621
Project #: 36768.01

Dear Mr. Chan:

As requested by United Parcel Service (UPS), Blasland, Bouck & Lee, Inc. (BBL) has prepared this work plan in response to your letter of January 29, 1996, as amended by your letter of February 23, 1996.

INTRODUCTION

A request for Work Plan was made to UPS by ACEHS after their review of ground-water monitoring data from wells on the southern portion of the site. Three (3) wells in this area are in close proximity to three (3) underground storage tanks that contain diesel fuel. Ground-water samples from the three wells contain small amounts of disolved diesel and gasoline constituents. – not really
ACEHS is requesting UPS to define the extent of diesel contamination and remediate the source of the diesel, which they are assuming is the USTs that contain diesel on the UPS property. This is contrary to the fact that UPS has been monitoring the integrity of the USTs with a state-of-the-art system and has not detected a diesel leak from any of the tanks. (Source of leaching of diesel to obs. well ?)

It is the intention of UPS to act in a responsible manner, by monitoring the integrity of their diesel fuel tanks, and taking steps to insure that the environment is not contaminated with their diesel fuel. It is apparent from the following information, which was gathered in support of this work plan, that the fate, transport mechanism, and possible sources of petroleum hydrocarbons in the area of the UPS facility is very complicated. The extent of petroleum contamination of the ground water in the general area is great but the concentrations of benzene, toluene, ethyl benzene, and xylenes are very small under the UPS site.

1-10K UL + 1-10K diesel North side

It appears, from a review of regulatory files, that there are at least two other known sources of diesel contamination in the immediate area. The situation is complicated by the fact that the direction of ground-water flow depends on the tides, and can be in any direction.

Additionally, dissolved gasoline constituents were also detected in MW-1, 2, and 3 on the UPS site. This is apparently from an offsite source because gasoline has not been used on the UPS site and there are known sources of gasoline contamination offsite. This would tend to indicate that the source of the diesel contamination is also from offsite. Nope. NO !

The following information is presented to support a focused work plan objective:

File Review Summary

On February 28, 1996, BBL performed a preliminary site investigation to determine potential sources of the diesel contamination. The investigation consisted of a site vicinity drive-by, a historical aerial photograph review, and a file search at the San Francisco Regional Water Quality Control Board (SFRWQCB).

The aerial photograph survey revealed that the subject site was a tidal marsh prior to 1968. In the 1968 photograph the site is backfilled and graded but no structures appear on the property. In the 1975 photograph the current UPS structure is present but appears to be inactive due to the absence of vehicles from the property. There is no evidence of a fueling station in the south eastern side of the building. It appears that the USTs were installed between 1975 and 1985.

The neighboring properties are as follows:

1. Shell Service Station, 285 Hegenberger Rd.
2. Rollins Truck Rental, 295 Hegenberger Rd.
3. Vacant property, 265 Hegenberger Rd., (former tenant unknown)
4. Mission Clay Products, 201 Hegenberger Rd.
5. West Coast Marine Trailer, 101 Hegenberger Rd.
6. General Tire, Hegenberger Rd.
7. Francisco's Restaurant, 8520 Pardee Dr.

8. California Brand Flavors, 411 Pendelton Way

9. US Postal Office, Pardee Dr.

10. Pitney Bowes, Pardee Dr.

11. Office Building, 8469 Pardee Dr.

12. Federal Express, 8455 Pardee Dr.

13. Office Building, 80 Swan Way

14. Airport Business Center, 300-350 Leet Dr.

Four sites were identified with USTs:

Rollins Truck Rentals, 295 Hegenberger Rd.

Rollins Truck Rentals located at 295 Hegenberger Road has a fueling station with three pump islands. The fueling station is located approximately 1500 feet from the subject diesel contamination at the UPS facility. The fuel at the station is probably stored in USTs near the pumping islands. The type(s) of fuel stored at the site was not identified, however, the type of rental trucks stored on-site typically require diesel fuel. Therefore it is possible that the fueling station stores diesel fuel.

Shell Service Station, 285 Hegenberger Rd.

The Shell Service Station at 285 Hegenberger Rd. currently stores unleaded fuel in USTs. The site is located approximately 1800 feet from the subject diesel contamination at the UPS facility.

This site is monitored quarterly for petroleum hydrocarbons and ground water depth. BBL reviewed monitoring reports from 1989 to present. These reports indicated that TPH-diesel was detected in the ground water with a maximum concentration of 15 parts per million (ppm). A review of ground-water gradient maps indicates that the site is tidally influenced. A dominant flow direction was not determined.

Pacific Bell (currently Rollins Truck Rentals), 295 Hegenberger Rd..

There was no documentation of diesel storage or contamination occurring at this facility. The former Pacific Bell facility was documented as having waste oil contamination resulting from two waste oil USTs (one 250-gallon and one 500-gallon). The case has been closed according to the file. However, it has been documented that old waste oil tanks may also contain

diesel fractions. There was no documentation of releases occurring from the existing fueling station at the Rollins Truck Rentals Facility.

Federal Express, 8455 Pardee Rd.

There was no documentation of diesel storage or contamination occurring at this facility. This has on-site storage of petroleum products in five USTs as follows:

- Three 8,000-gallon unleaded gasoline USTs
- One 300-gallon used oil UST
- One 50 gallon hydraulic fuel UST

General Tire, 240 Hegenberger Rd.

There was no documentation of diesel storage or contamination occurring at the General Tire facility. The only documentation of petroleum storage at the site is that a 5000-gallon unleaded gasoline UST was removed.

It appears, from conversations with UPS representatives, and from the regulatory file review, that the condition of the diesel contamination in ground water is very complex. It also appears that the source is likely to be offsite and that the important ground-water quality constituents, benzene, ethyl benzene, toluene, and xylenes, are very low. For example, the benzene concentration in the last round of sampling are already below the California Enclosed Bay & Estuaries Plan, Numerical Water Quality Objectives. In two wells it is even below the MCL. We believe that a cooperative approach to this project is to gather necessary information to better define diesel contamination on the UPS site and help ACEHS better define the regional problem of petroleum contamination.

The site should then qualify as low risk because:

1. There is no onsite source of ground-water contamination.

2. UPS will help characterize diesel contamination under the UPS site.

3. The tank integrity monitoring system has shown that the UPS diesel fuel tanks have not leaked. Therefore any migrating plume of hydrocarbons is from an off site source. No /

4. No sensitive receptors are likely to be impacted.

5. The site presents no significant risk to human health

6. The site presents no significant risk to the environment.

SCOPE OF WORK

The following scope of field work will be performed to address the concerns of ACEHS, and to help define the regional ground-water problems. The activities include ground-water sample collection, laboratory analysis of the samples, and the preparation of a letter report.

Task 1: Ground-Water Sampling

Six ground-water samples will be collected from the vicinity of the diesel storage tanks. A Geoprobe® apparatus will be used to penetrate the ground to one foot below the water table. The water table at the facility is estimated to be 8 to 10 feet below land surface. Following the Geoprobe penetration, a 0.015-inch slotted 3/4-inch diameter PVC casing will be emplaced in the boring to facilitate the collection of a ground-water sample. Ground-water samples will be collected using a disposable Teflon bailer.

Samples will be collected in laboratory-supplied containers and stored in a cooler with ice. The samples will be delivered by BBL personnel to Curtis & Tompkins, Ltd. Analytical Laboratories (C&T) in Berkeley, California, within 24 hours of completing the sampling event.

Task 2: Laboratory Analysis

C&T will analyze the ground-water samples for Total Petroleum Hydrocarbons as Diesel (TPH-diesel) via EPA method 8015- Modified. Additionally, ground-water samples will be analyzed for Purgeable Organics via EPA Method 8020 (BTEX). Typically, laboratory analysis is completed within two weeks of receipt of samples by the laboratory.

Task 3: Reporting

A letter report, summarizing the results of this assessment, will be completed within two weeks of receipt of laboratory analytical results. The report will include a laboratory analysis summary table, a ground-water sample location map, and copies of the laboratory analytical reports.

Should you have any questions, or need additional information, please contact us. We look forward to working with ACEHS personnel in a cooperative manner.

Very truly yours,

BLASLAND, BOUCK & LEE, INC.

Joseph P. Como, P.E.
Associate

: Gabe Stivala

cc: Caroline A. Ehrlich, UPS
Linda M. Lyons, UPS