T20-482

MILLER BROOKS
Environmental, Inc.

January 27, 2005

Mr. Scott Seery
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502

RE: **Quarterly Summary Report-Fourth Quarter 2004**
Miller Brooks Environmental, Inc. Project No.: 06-459-7176-04

Dear Mr. Seery:

On behalf of ConocoPhillips Company (ConocoPhillips), Miller Brooks Environmental, Incorporated (Miller Brooks) is forwarding the quarterly summary report for the following location:

Service Station	**Location**
76 Service Station No. 7176 COP NO. WNO.1635	7850 Amador Valley Boulevard Dublin, California

Sincerely,
Miller Brooks Environmental, Incorporated

Jed Douglas, R.G. No. 7516
Senior Geologist

REGISTERED GEOLOGIST
JED A. DOUGLAS
NO. 7516
STATE OF CALIFORNIA

Attachment: Site Plan

cc: Mr. Thomas Kosel, ConocoPhillips

720 Southpoint Blvd., Suite 207 • Petaluma, California 94954 • Main: (707) 765-0466 • Fax: (707) 765-0366

QUARTERLY SUMMARY REPORT
Fourth Quarter 2004

76 Service Station No. 7176
7850 Amador Valley Boulevard
Dublin, California

City/County ID #: ACHCS #RO0000482

County: Alameda

PREVIOUS ASSESSMENT

In November 1994, Unocal Corporation (Unocal) replaced the fuel underground storage tanks (USTs) and removed the used-oil UST and associated product piping. An oil/water separator was also decommissioned. No holes or signs of leakage were observed on the fuel USTs, however, eight holes up to 0.5 inches in diameter were observed in the used-oil UST. The soil sample analyzed from beneath the used-oil UST was reported as non detect for all analytes. The soil samples collected from beneath the fuel USTs indicate that petroleum hydrocarbons are present in the soil near the fuel UST cavity and product dispensers. Prior to the installation of the new USTs, two, six-inch diameter conductor casings were installed in the UST backfill material.

In October 1995, Unocal performed a soil and groundwater investigation that included drilling six soil borings (B1 through B6) and constructing three on-site groundwater monitoring wells (U1 through U3). Total petroleum hydrocarbons as diesel (TPHd), TPH as gasoline (TPHg), and benzene were present in the soil samples analyzed up to 25 milligrams per kilogram (mg/kg), 150 mg/kg, and 0.21 mg/kg, respectively.

During March 1998, Tosco Marketing Company (Tosco, now ConocoPhillips) performed an off-site soil and groundwater investigation that included installation of two off-site groundwater monitoring wells (MW4 and MW5). Petroleum hydrocarbons were not detected in the soil samples collected from these boreholes.

In June 2001, Environmental Resolutions Inc. (ERI) submitted an *Addendum to Request and Work Plan for Case Closure,* including hydrographs and concentration versus time graphs for select wells, and required agency closure summary forms.

SENSITIVE RECEPTORS

In August 2000, ERI submitted a *Request and Work Plan for Case Closure* presenting the results of a groundwater receptor survey and risk-based corrective action Tier II analysis and requesting closure of the environmental case. No active groundwater production wells were positively identified within the survey radius during the agency or field groundwater receptor surveys.

GROUNDWATER MONITORING AND SAMPLING

Groundwater beneath the site is currently monitored and sampled on a semi-annual basis during the first and third quarter of each year. During the July 2, 2004, monitoring and sampling event, groundwater was present beneath the site at depths ranging from 15.41 to 17.87 feet below the top of casing (TOC). The groundwater flow direction was reported towards the east at a gradient of 0.01 ft/ft. Historically, the groundwater flow direction has been reported towards the southeast. TPHg, TPHd, benzene, and methyl tertiary butyl ether (MTBE) were present in the groundwater at concentrations up to 5,700, 400, 1.4, and 6.6 micrograms per liter (µg/L), respectively.

REMEDIATION STATUS

Approximately 5,000 gallons of groundwater were removed from the fuel UST cavity during the 1994 UST replacement activities. A total of 15,511 gallons of groundwater have been removed historically from the site through periodic groundwater purging of the UST cavity. Approximately 1,863 tons of hydrocarbon-impacted soil were excavated and removed from the site during the 1994 UST replacement activities.

CHARACTERIZATION STATUS

The soil impact beneath the site is limited to a small area surrounding UST cavity and dispenser islands. Groundwater beneath the site is delineated, however there are elevated concentrations of TPHg and TPHd in well MW-4. These concentrations have shown a decreasing trend since 2001.

RECENT CORRESPONDENCE

There was no correspondence during the reporting period.

THIS QUARTER ACTIVITIES (Fourth Quarter 2004)

1. At the request of ConocoPhillips, Miller Brooks advanced four subsurface soil borings at the site as part of due diligence assessment work. Soil and groundwater samples were collected from each of the borings.

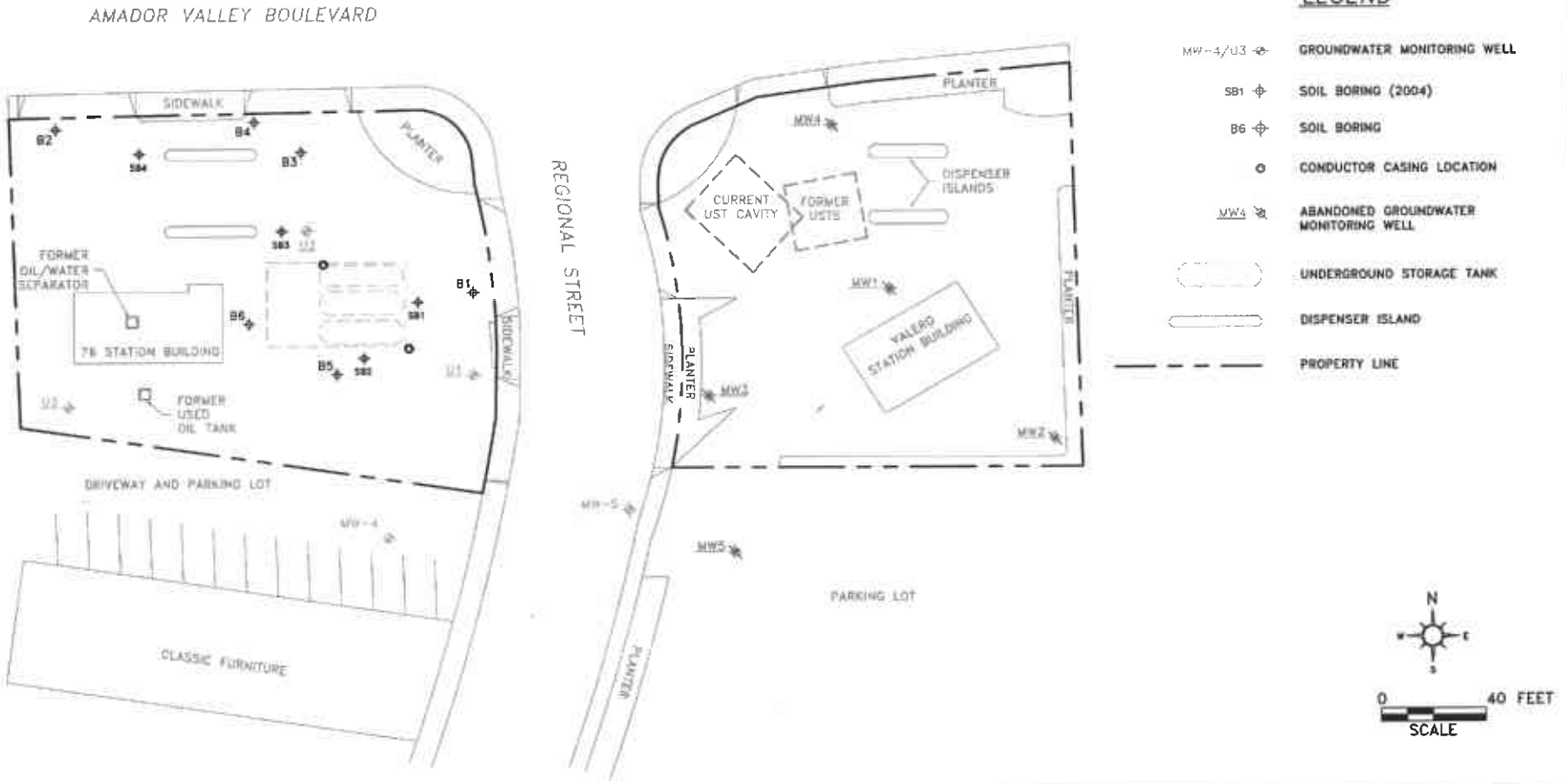
WASTE DISPOSAL SUMMARY

A total of eleven 55-gallon drums of soil cuttings and water were generated during the November 2004 subsurface investigation. On November 23, 2004, Filter Recycling removed the drums from the site, and transported them to their recycling facility in Rialto, California.

NEXT QUARTER ACTIVITIES (First Quarter 2005)

1. The monitoring well network was monitored and sampled by TRC Companies Inc. (TRC).
2. ConoccoPhillips will submit the results of the November 2004 due dilligence assessment activities.
3. ConocoPhillips has selected ATC Associates Inc. as the new lead consultant for the site.

CONSULTANT: Miller Brooks Environmental, Incorporated



MILLER BROOKS Environmental, Inc.	DRAWN BY: DCN	SITE PLAN	FIGURE 2
720 SOUTHPOINT BLVD., SUITE 207 PETALUMA, CA. 94954 (707) 765-0466	DATE: 03/25/04 REVISED BY: REVISED: APPROVED BY: JAD	76 SERVICE STATION 7176 7850 AMADOR VALLEY BLVD. DUBLIN, CA	
PROJECT NO. 06-459-7176-04	DATE: 03/25/04	FILE: K:\DWGS\C-P\ NO. 7176 (7850 AMADOR BLVD.)\SITE PLAN DATE PLOTTED: 03/25/04	