RO 450

MILLER BROOKS Environmental, Inc.

720 Southpoint Blvd. Suite 207
Petaluma, CA 94954
Phone (707) 765-0466, Fax (707) 765-0366

# TRANSMITTAL

TO: Mr. Donald Hwang
Alameda County Dept. of Public Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

From: Jeremy Smith

DATE: October 28, 2004
PROJECT NO: 06-459-2349-03
SUBJECT: 76 Service Station 82349 (0843) Alameda, California



WE ARE SENDING YOU:

| COPIES | DATED | DESCRIPTION |
|---|---|---|
| 1 | 10/28/04 | Third Quarter Site Status Report |
| 1 | 10/19/04 | TRC Monitoring Report |
| | | |
| | | |
| | | |

THESE ARE TRANSMITTED as checked below:

- ☐ For review and comment
- ☐ As Requested
- ☐ For Approval
- ☐ Approved as submitted
- ☐ Approved as noted
- ☐ Returned for corrections
- ☒ For your files
- ☐ For your use
- ☐ As noted below

COMMENTS:
Attached is a copy of the Third Quarter 2004 Site Status Report as well as the TRC Monitoring Report for the above referenced site.

Signed:

COPIES TO: Mr. Thomas Kosel, ConocoPhillips
Mr. George Leyva, RWQCB – SF Bay Region, 1515 Clay Street Suite 1400, Oakland, CA 94612 (QSR Only)

ConocoPhillips

76 Broadway
Sacramento, CA 95818
phone 916.558.7676
fax 916.558.7639

October 25, 2004

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: **Document Transmittal**
Fuel Leak Case
76 Station #0843
1629 Webster Street
Alameda, CA

Dear Mr. Hwang:

Please find attached Miller Brook's *Quarterly Summary Report, dated 10/28/04,* and TRC's *Quarterly Monitoring Report, dated 10/19/04* for the above referenced site. I declare, under penalty of perjury, that to the best of my knowledge the information and/or recommendations contained in the attached proposal or report is true and correct.

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,

Thomas H. Kosel
Site Manger, Risk Management and Remediation
ConocoPhillips
76 Broadway, Sacramento, CA 95818

Attachment
cc: Jed Douglas, MB

MILLER BROOKS
Environmental, Inc.

October 28, 2004

Mr. Donald Hwang
Alameda County Department of Public Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

RE: **Quarterly Summary Report-Third Quarter 2004**
Miller Brooks Environmental, Inc. Project No.: 06-459-2349-03

Dear Mr. Hwang:

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** |
|---|---|
| Former 76 Service Station No. 82349 (0843)<br>COP NO. WNO.2807 | 1629 Webster Street<br>Alameda, California |

Sincerely,
**Miller Brooks Environmental, Incorporated**

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

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

Attachment: Site Plan

cc: Mr. Thomas Kosel, ConocoPhillips
Mr. George Leyva, RWQCB – SF Bay Region, 1515 Clay Street Suite 1400, Oakland, CA 94612

**QUARTERLY SUMMARY REPORT**
**Third Quarter 2004**

Former 76 Service Station No. 2349 (0843)
1629 Webster Street
Alameda, California

City/County ID #: Alameda

County: Alameda

## PREVIOUS ASSESSMENT

In June 1998, Tosco Marketing Company (Tosco, now ConocoPhillips), removed two 10,000-gallon gasoline underground storage tanks (USTs), one 550-gallon used-oil UST, product lines, and dispensers. Two holes approximately ¾-inch in diameter were observed in the used-oil tank during removal. No holes or other evidence of leakage were observed in the remaining tanks or piping. Low levels of hydrocarbon impact were reported in the soil samples collected during UST removal activities.

In March 1999, Environmental Resolutions Inc. (ERI) installed four on-site groundwater monitoring wells (MW1 through MW4) at the subject site. In December 1999, ERI installed two off-site monitoring wells (MW5 and MW6) at the subject site.

In March 2001, ERI performed an underground utility survey to identify and locate underground utility lines beneath and in the vicinity of the site that may provide potential preferential pathways for groundwater flow.

In May 2001, ERI advanced five direct-push soil borings (GP1 through GP5), to evaluate whether underground utility trenches in the vicinity of the site may provide preferential pathways for groundwater flow and the migration of dissolved hydrocarbons. The results of the investigation indicated that there was insufficient evidence to suggest that underground utility lines were providing preferential pathways for the off-site migration of dissolved petroleum hydrocarbons.

In December 2001, ERI advanced twelve direct-push soil borings (GP6 through GP17) to further assess the extent of residual hydrocarbons in the vadose zone beneath the site. The results of the investigation indicated that the extent of residual hydrocarbons detected during previous investigations is limited and that remedial action for residual gasoline hydrocarbons at the site was not warranted.

In December 2002, ERI destroyed one on-site monitoring well (MW2), performed a remedial excavation of hydrocarbon-impacted soil in the vicinity of the former eastern dispenser island, and replaced former well MW2 with on-site backfill monitoring well MW2A.

ERI submitted a *Request and Work Plan for Case Closure* to the Alameda County Health Care Services Agency, dated September 10, 2003. The report summarizes why no further action is needed for the site, and details plans to destroy the existing wells upon regulatory acceptance for no further action.

## SENSITIVE RECEPTORS

In June and July 2002, ERI conducted a groundwater receptor survey. Three irrigation wells were located within a ½ mile radius of the site. The wells are reportedly located approximately 1,980 feet west, 2,245 feet west, and 2,245 feet southwest of the site, cross or upgradient of the site.

## MONITORING AND SAMPLING

Quarterly groundwater monitoring and sampling were initiated in March 1999. During the most recent groundwater monitoring and sampling event, performed on September 17, 2004, groundwater was present at depths ranging from 6.1 to 7.58 feet below the top of casing (TOC). The groundwater flow direction was reported towards the north with a gradient of 0.008 ft/ft, which is relatively consistent with the groundwater flow direction reported during the second quarter 2004 (northeast). During the September 17, 2004 sampling event, total petroleum hydrocarbons as gasoline (TPHg), benzene, and methyl tertiary butyl ether (MTBE) were detected at concentrations up to 1,300, 3.5, and 2,000 micrograms per liter (µg/L), respectively.

## REMEDIATION STATUS

Approximately 338 tons of hydrocarbon impacted soil and backfill were removed from beneath the former USTs, dispensers, and product lines during UST removal activities at the site. Approximately 292 tons of hydrocarbon-impacted soil was removed from beneath the former eastern dispenser island during the December 2002 excavation.

## CHARACTERIZATION STATUS

Groundwater appears to be delineated at the site based on the results from well MW-5. However, based on groundwater concentrations in well MW-6 further assessment is necessary to determine if the subsurface utilities are acting as preferential pathways.

## RECENT CORRESPONDENCE

There was no correspondence during the reporting period.

## THIS QUARTER ACTIVITIES (Third Quarter 2004)

1. The groundwater monitoring well network was monitored and sampled by TRC Companies Inc. (TRC). Well MW-3 was unable to be located and therefore was not gauged by TRC.

## WASTE DISPOSAL SUMMARY

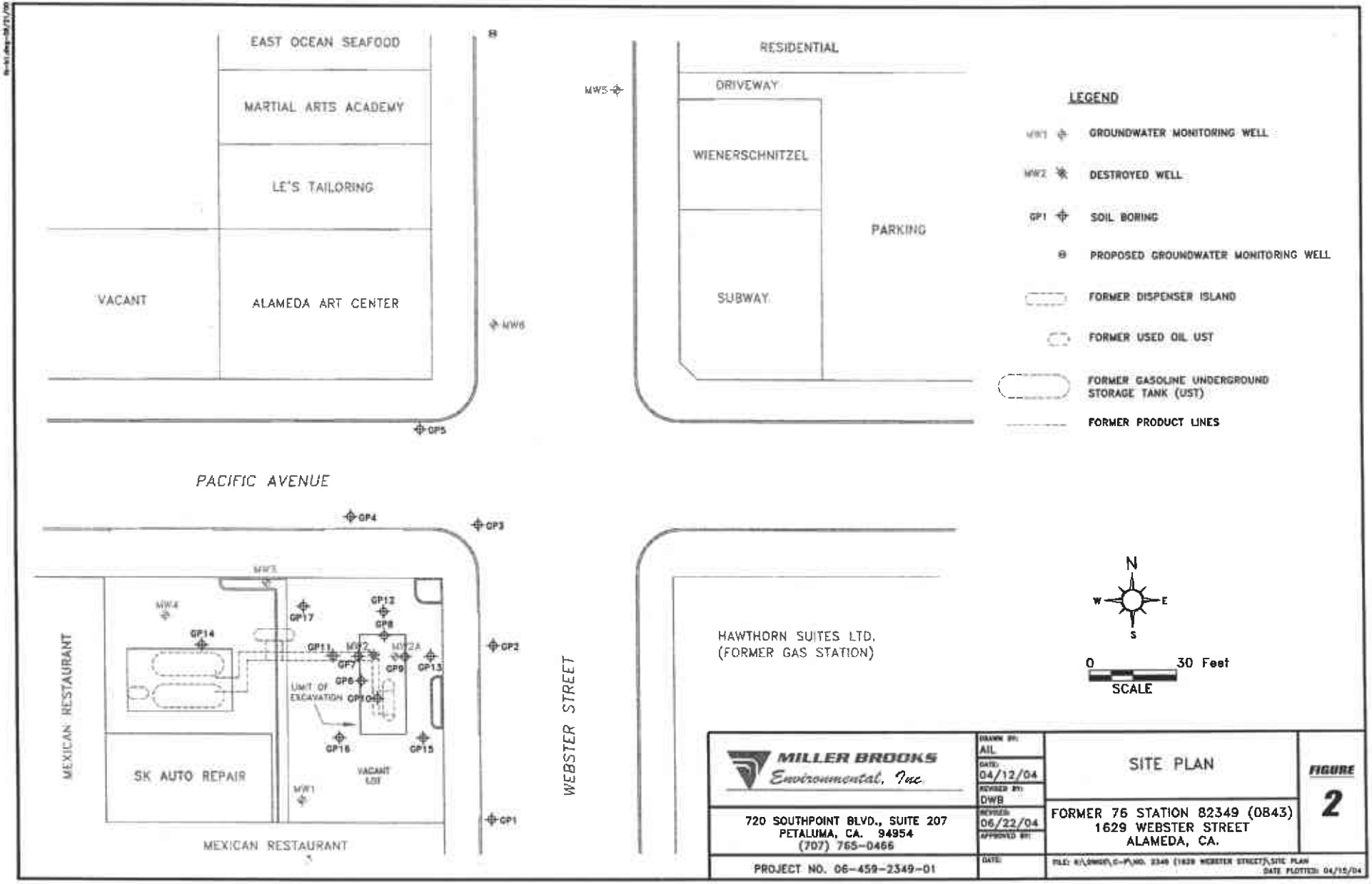
No waste was generated during this reporting period.

**NEXT QUARTER ACTIVITIES (Fourth Quarter 2004)**

1. The monitoring well network will be monitored and sampled by TRC.

2. Pending regulatory approval of Miller Brooks' Work Plan for Additional Subsurface Site Assessment Activities dated June 23, 2004, Miller Brooks plans to install one groundwater monitoring well northwest of MW-5 in an attempt to delineate the northern extent of the hydrocarbon plume and determine if subsurface utilities are acting as a preferencial pathway for hydrocarbon migration.

**CONSULTANT:** Miller Brooks Environmental, Incorporated




MILLER BROOKS Environmental, Inc.

720 SOUTHPOINT BLVD., SUITE 207
PETALUMA, CA. 94954
(707) 765-0466

PROJECT NO. 06-459-2349-01

DRAWN BY: AIL
DATE: 04/12/04
REVISED BY: DWB
REVISED: 06/22/04
APPROVED BY:
DATE:

# SITE PLAN

FORMER 76 STATION 82349 (0843)
1629 WEBSTER STREET
ALAMEDA, CA.

FIGURE 2

FILE: R:\SHARE\C-P\NO. 2349 (1629 WEBSTER STREET)\SITE PLAN
DATE PLOTTED: 04/15/04