



BURLINGTON
ENVIRONMENTAL INC.

CHEMPRO Division

April 1, 1991
Project No. 1158

Mr. Walt Posluszny
Environmental Engineer
Chevron USA, Inc.
2410 Camino Ramon
San Ramon, CA 94583

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Re: **QUARTERLY SUMMARY REPORT**
First Quarter, 1991
Chevron Service Station No. 9-8139
16304 Foothill Boulevard, San Leandro, California

Dear Mr. Posluszny:

Burlington Environmental Inc.-*Chempro Division* (Burlington) is pleased to submit the following quarterly summary report for Chevron USA, Inc. (Chevron) Service Station No. 9-8139, located at 16304 Foothill Boulevard in San Leandro, California.

BRIEF HISTORY

- * In April 1982 and December 1986, two petroleum leaks were reported in underground storage tanks and underground lines. In April 1982, the tanks were replaced and two vapor monitoring wells were installed in the backfill.
- * On June 29, 1989, EA Engineering, Science, and Technology, Inc. (EA) conducted a soil-vapor survey at the Chevron facility. In December 1989, Chempro conducted an investigation and published the findings in a report dated January 17, 1990.
- * In May 1990, three additional monitoring wells and one extraction well were installed by Chempro. In May 1990, a quarterly groundwater sampling program was implemented.
- * In September 1990, a groundwater remediation system and an offsite monitoring well were installed by Chempro. The remediation system consists of one extraction well and two 1,000 pound aqueous-phase carbon units (see Figure 1). In addition an offsite monitoring well was installed.
- * In October 1990, Chempro initiated an emergency phase separated hydrocarbons (PSH)-removal program to remove the PSH from MW-5. On October 22, 1990, we increased the frequency of the bailing to semi-weekly.

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WORK DONE THIS PERIOD

- * The groundwater remediation system began initial operation on January 9, 1991. Due to the quantity of PSH, modifications to the system were necessary. The system is off until modifications are complete.
- * On February 26, 1991, Burlington submitted a workplan for an additional soil and groundwater investigation to define the downgradient extent of dissolved hydrocarbons in the groundwater. On January 23, 1991, Burlington discontinued the PSH in the groundwater removal program from MW-5, and initiated a weekly monitoring program. In addition, monthly water level surveys were conducted for the first quarter 1991.
- * On March 26, 1991, Burlington submitted a Quarterly monitoring report to present the findings of the first quarter 1991 sampling event.

GROUNDWATER MONITORING

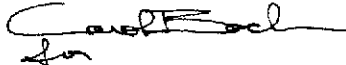
- * Seven monitoring wells are located onsite and one monitoring well is located offsite. The groundwater elevation beneath the site ranged from 106.94 to 112.80 feet above mean sea level on February 20, 1991. PSH were detected in MW-5 at a thickness of 0.47 feet during the February sampling. Total petroleum hydrocarbon concentrations ranged from none detected to a maximum of 15,000 parts per billion (ppb) in MW-4. Benzene concentrations ranged from none detected to 960 ppb in MW-3.

PLANNED SITE ACTIVITIES

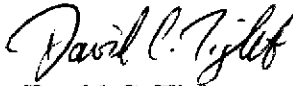
- * Quarterly groundwater sampling and analysis will continue.
- * Burlington designed an oil/water separator which will be installed during the second quarter of 1991 pending permit acquisition. The groundwater remediation system is scheduled to resume operation after the oil/water separator is installed.
- * During April 1991, Burlington is scheduled to decommission monitoring wells MW-4 and MW-5 and install in their place extraction wells E-2 and E-3. In addition MW-9 will be installed in the median of Foothill Boulevard.

Burlington appreciates the opportunity to provide Chevron with consulting and remediation services. Please contact us if we can provide further assistance.

Very truly yours,
BURLINGTON ENVIRONMENTAL, INC.
CHEMPRO Division

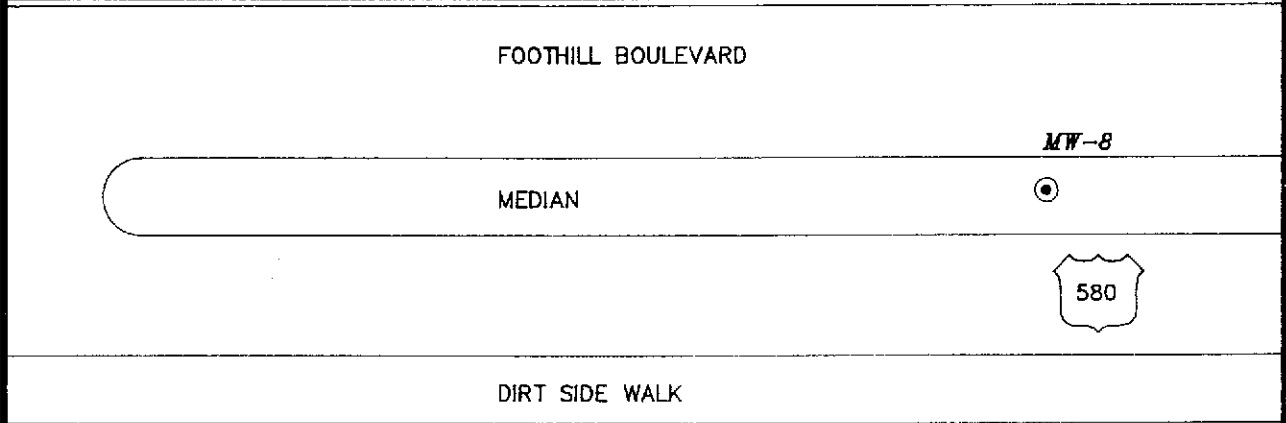
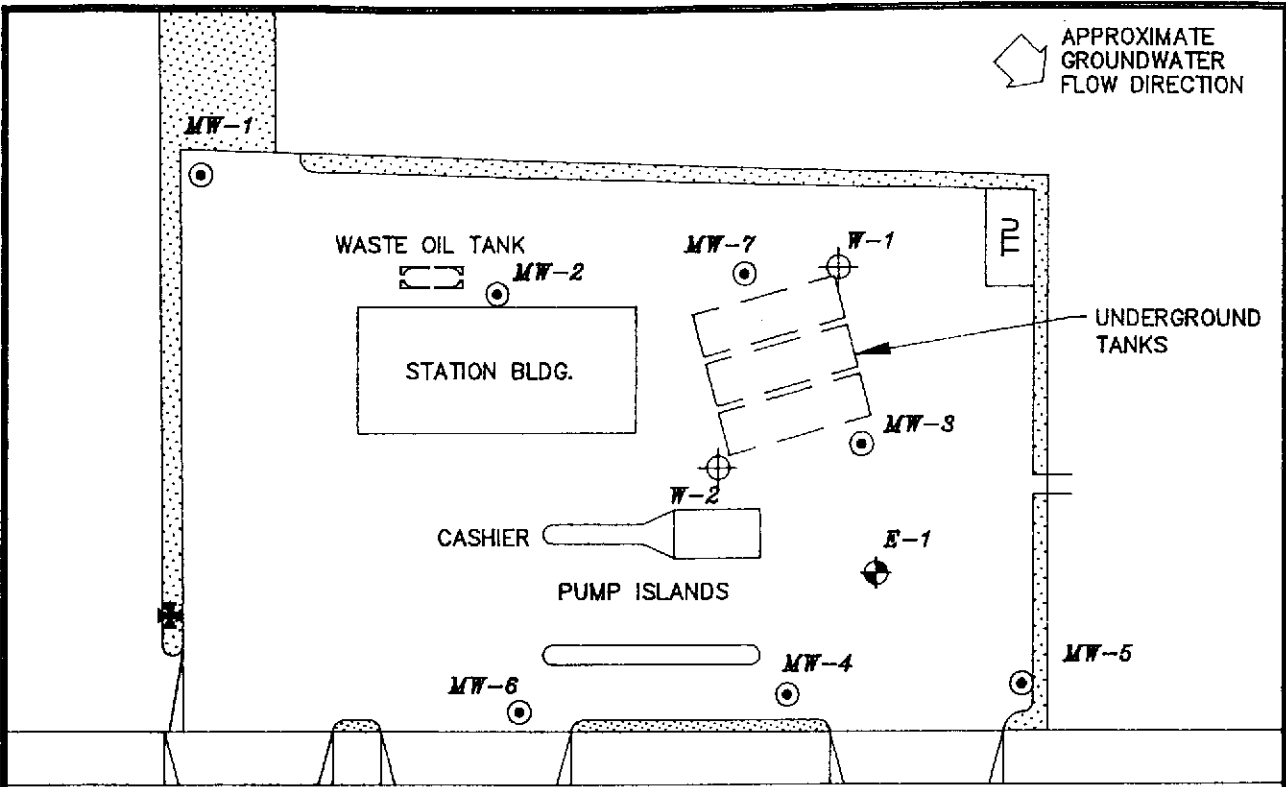


Felicia A Rein
Environmental Scientist







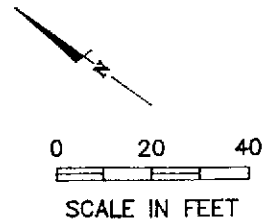
David C. Tight
Investigation/Remediation Manager

Attachment: Figure 1 - Site Plan



EXPLANATION

-  EXTRACTION WELL
-  GROUNDWATER MONITORING WELL
-  OBSERVATION WELL
-  BENCHMARK: RAILROAD SPIKE IN POWER POLE EL 123.23 [ALA. Co. DATUM]



SITE VICINITY MAP
 Chevron Service Station No. 9-8139
 16304 Foothill Boulevard
 San Leandro, California

DRAWN: JU	
DATE: 3/25/91	
PROJECT No. 1158	FIGURE 2
Drawing No. A0615802	