

City of Alameda California



March 14, 1996

Ms. Eva Chu
Hazardous Materials Specialist
Department of Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Dear Ms. Chu:

Enclosed for your review is a report from Environmental Technical Services documenting the destruction of the three existing groundwater monitoring wells at the Chuck Corica Golf Complex. A copy of this report will be sent to the Alameda Flood Zone District 7.

Please issue a closure letter as previously discussed and indicate that this gas tank removal project has been completed in future Hazardous materials Division's UGT Cleanup Sites reports.

Thank you for your assistance. If you have any questions, please call me at 263-2880.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Fred C. Framsted", is written over a horizontal line.

Fred C. Framsted

Attachment

CC: City Manager
General Manager - Golf
Golf Superintendent

Chuck Corica Golf Complex

#1 Clubhouse Memorial Drive · 94501
Tel: 510-748-4653 Fax: 510-522-0848



ENVIRONMENTAL TECHNICAL SERVICES

AN ENVIRONMENTAL CONSULTING FIRM

(800) 200-4ETS

A REPORT DOCUMENTING THE
DESTRUCTION OF THREE
EXISTING GROUNDWATER
MONITORING WELLS:

AT:

ALAMEDA GOLF COURSE
ONE MEMORIAL CLUBHOUSE DR.
ALAMEDA, CALIFORNIA

DATE OF WELL DESTRUCTION: March 02, 1996



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prepared for:

S & G Drilling Co.
Drillers

by:

Helen Mawhinney
Helen Mawhinney
Environmental Technical Services

March 7, 96
Date

INTRODUCTION

The following report documents the destruction of three existing groundwater monitoring wells located at the **Alameda Golf Course, One Memorial Clubhouse Drive, Alameda, California.**

The work was performed in compliance with the regulations and approval of Alameda Flood Zone 7 and the Alameda County Office of Environmental Health Department, Hazardous Materials Division.

SITE HISTORY

Tank Removal

On July 10, 1991 two underground storage tanks (USTs) were removed from the above referenced site. These were one 500-gallon gasoline and one 125-gallon gasoline UST. Groundwater was encountered within the tank pit excavation at a depth of 5.0' below grade. Soil samples were collected from the tank pit wall vadose/saturated capillary zone and were analyzed for total petroleum hydrocarbons as gasoline with benzene, toluene, ethylbenzene, and total xylenes (TPH-G, BTEX, EPA Method 5030/8020).

EXCAVATION OF CONTAMINATED SOIL

The excavation and stockpiling of contaminated soil was performed the same day by the Zaccor Corporation. Confirmatory soil samples were collected subsequent to the excavation. Analytical results indicated that the collected samples had no detectable concentrations of previously noted contaminants, with the exception of sample no. 6. The excavation of soil within the area of sample no. 6 was limited by the presence of an existing monitoring well.

GROUNDWATER PURGING & SAMPLING

Three groundwater monitoring wells were installed on August 20, 1992. The three groundwater monitoring wells were purged and sampled on September 5, 1992, January 11, 1993, May 4, 1993, and July 29, 1993.

GROUNDWATER ANALYTICAL RESULTS

TABLE I
 FOUR QUARTERS MONITORING WELL
 GROUNDWATER ANALYTICAL RESULTS
 TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
 WITH BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENES

All results reported in ug/L

<u>Date</u>	<u>TPHg</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
Sample No.: MW-1					
9-05-92	ND	ND	ND	ND	ND
1-11-93	ND	ND	ND	ND	ND
5-04-93	ND	ND	ND	ND	ND
7-29-93	ND	ND	ND	ND	ND
Sample No.: MW-2					
9-05-92	ND	ND	ND	ND	ND
1-11-93	ND	ND	ND	ND	ND
5-04-93	ND	ND	ND	ND	ND
7-29-93	ND	ND	ND	ND	ND
Sample No.: MW-3					
9-05-92	ND	ND	ND	ND	ND
1-11-93	ND	ND	ND	ND	ND
5-04-93	ND	ND	ND	ND	ND
7-29-93	ND	ND	ND	ND	ND

ND - not detected at lowest detection limit for this compound.

DESTRUCTION OF WELLS

On March 02, 1996 under the direction of Alameda Flood Zone 7 the three existing groundwater monitoring wells were pressure grouted in place and destroyed.

The existing monitoring well construction was removed by drilling out the well using hollow stem augers. Each monitoring well was grouted closed using 100 pounds pressure per square inch (psi). Neat cement and five percent bentonite mix was tremied within the well structure from the well bottom up using pressure.

REPORT

Please forward a copy of this report to the Alameda Flood Zone District 7. The address has been provided for your convenience:

Alameda Flood Zone Dist. 7
5997 Parkside Avenue
Pleasanton, CA 94588
Attn: Mr. Wyman Hong

ENVIRONMENTAL
PROTECTION

96 MAR 19 PM 1:46