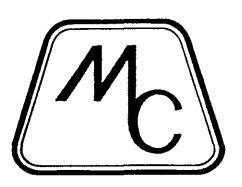
# FIRST QUARTER 1992 QUARTERLY MONITORING AND SAMPLING REPORT GOLDEN GATE DRIVE DUBLIN, CALIFORNIA

Prepared for:

BEDFORD PROPERTIES, INC. SAN RAMON, CALIFORNIA

Prepared by:
MITTELHAUSER CORPORATION
PLEASANTON, CALIFORNIA



**APRIL 1992** 



7901 Stoneridge Drive, Suite 123 Pleasanton, California 94588 Bus: (510) 416-2900 Fax: (510) 416-0957

April 14, 1992

Ms. Gina DiMatteo Bedford Properties, Inc. 2000 Crow Canyon Place, Suite 120 San Ramon, California 94583

Subject: Quarterly Monitoring and Sampling Report First Quarter 1992
6700 Golden Gate Drive
Dublin, California

Dear Gina:

Mittelhauser Corporation (Mittelhauser) is pleased to present this report documenting the results of monitoring and sampling the groundwater during the first quarter of 1992 at the subject site, in accordance with our proposal dated January 22, 1992. This report discusses work performed at the site on March 6, 1992. A Site Location Map (Figure 1) and Site Plan (Figure 2) are attached.

#### BACKGROUND

It is Mittelhauser's understanding that one diesel fuel and one unleaded gasoline underground storage tank (UST) were removed from the subject site by W.A. Craig Contractors. After the tank removal, contaminated soil was encountered on the floor of the tank pit. According to a report by Uriah, Inc., approximately 82 cubic yards of soil was subsequently excavated from the pit. Laboratory analysis of the stockpiled soil detected up to 360 ppm of total oil and grease (TOG) and minimal gasoline components.

On August 14, 1991, Mittelhauser observed additional soil removal from the tank pit near the juncture of the two USTs until no visual contamination was evident, and the photoionization detector (PID) did not detect any organic volatiles. Laboratory analyses of soil samples collected from the floor of the excavation did not detect any total petroleum hydrocarbons as gasoline (TPH-G) or diesel (TPH-D), benzene, toluene, ethylbenzene, and xylenes (BTEX), TOG, and organic lead.

The excavated soils were added to the previous stockpile which was flattened to an average height of approximately 5 feet

for composite sampling purposes. The stockpiled soil was sampled, analyzed, and disposed of properly.

On November 20, 1991 Mittelhauser personnel observed the installation of one 2-inch-diameter monitoring well designated as MW1. The monitoring well was installed in the area of the tank juncture which was identified in the Uriah report as the main area of contamination. The location of the monitoring well is shown on the attached Site Plan.

A quarterly monitoring and sampling program was initiated at the site on March 6, 1992. The results of the first quarter of monitoring and sampling are presented in this report.

#### FIELD ACTIVITIES

Monitoring well MW1 was monitored for depth to water and the presence of free product or sheen. No free product or sheen were observed in this well during this sampling episode.

On March 6, 1992 the well MW1 was sampled. sampling, the well was purged of a minimum of four casing volumes of water. During purging operations, the field parameters of electrical conductivity, pH, and temperature were monitored. Once the field parameters were observed to stabilize and a minimum of three casing volumes had been purged, groundwater samples were collected using a Teflon bailer. The water sample was transferred to 40 milliliter glass Volatile Organic Analysis (VOA) vials and 1liter amber glass bottles, which were sealed with Teflon-lined The VOA vial was overturned and tapped to assure that screw caps. no air bubbles were present. The VOA vial was then transferred to a cooler with ice until it was transported to ChromaLab in San Ramon, California, a state-certified laboratory. Chain-of-custody documentation accompanied the samples to the laboratory. A summary of the field parameters recorded during well purging is presented in Table 2.

#### **HYDROLOGY**

The measured depth to water at the site on March 6, 1992 was 12.61 feet below top of casing. The water level rose 3.75 feet in the well during this quarter.

#### LABORATORY RESULTS

The groundwater sample collected from well MW1 was analyzed for TPH-G using EPA Method 5030 in conjunction with modified EPA Method 8015, and for benzene, toluene, ethylbenzene, and BTEX using EPA Method 602. In addition, the water sample from MW1 was analyzed for TPH-D using EPA Method 3510 in conjunction with modified EPA Method 8015.

Laboratory analytical results of the water sample from MW1 did not detect any of the tested constituents. The laboratory analytical results for the water sample are summarized in Table 3. Copies of the laboratory analytical results and chain-of-custody documentation are attached.

#### DISCUSSION AND RECOMMENDATIONS

This is the first sampling episode with laboratory analytical results showing non-detect for all tested constituents. This program will be continued for three more quarters. If the groundwater analytical results continue to remain non-detect for 4 consecutive quarters, site closure can be requested from the agency.

#### **DISTRIBUTION**

We recommend that copies of this report be sent to Mr. Ravi Arulanatham at the Alameda County Department of Health Services.

#### **LIMITATIONS**

This report was prepared solely for the use of Bedford The content and conclusions provided by Inc. Mittelhauser in this assessment are based on information collected during our investigation, which may include, but is not limited to, visual site inspections, interviews with site owner, regulatory agencies and other pertinent individuals, a review of available public documents, subsurface exploration and laboratory testing of soil and groundwater samples and our professional judgment based on said information at time of preparation of this document. subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and may not necessarily apply to the general site as a whole. subsurface or other conditions are revealed which vary from these findings, the newly-revealed conditions must be evaluated and may invalidate the conclusions of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing

services of a similar nature. Mittelhauser is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and the interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

Should you have any questions, please do not hesitate to contact Parnian Kaboli at (510) 743-0335.

Sincerely,

MITTELHAUSER CORPORATION

Parnian A. Kaboli Project Manager

David J. Blunt

Geoscience Manager RG 4516

RWP: PAK/dlp P1753R01.WP

Attachments: Figure 1: Site Location Map

Nº 4516

Figure 2: Site Plan

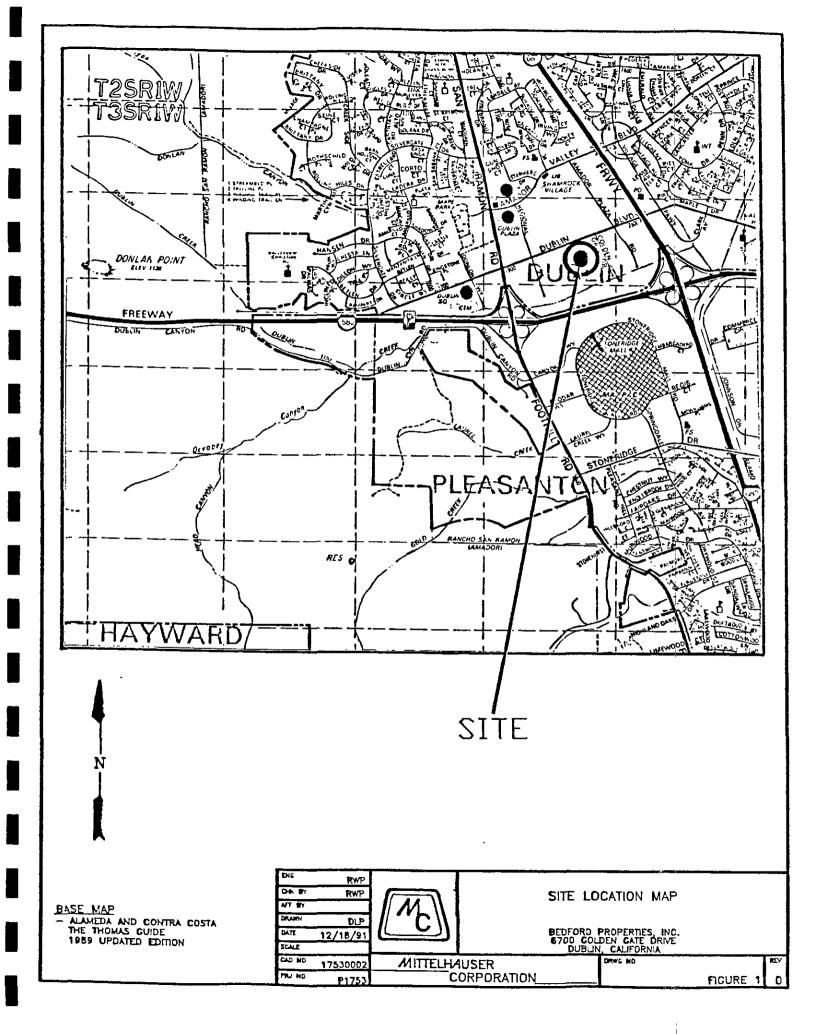
Table 1: Well Monitoring Data

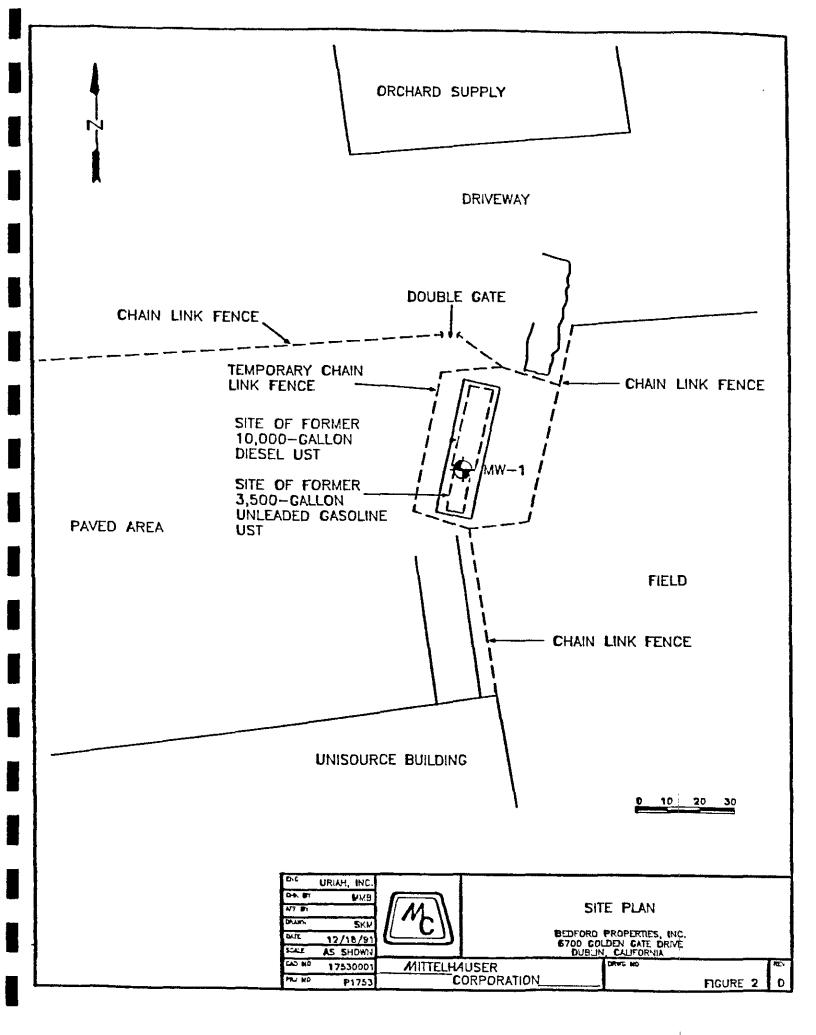
Table 2: Summary of Field Parameter Data

Table 3: Summary of Water Sample Analytical Results

Laboratory Analytical Report Chain-of-Custody Documentation

TELHAUSER corporation		April 14, 1992
	FIGURES	





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Ms. Gina DiMatteo

April 14, 1992

TABLES

Bedford Pro	perties, Inc.			April 1992
Quarterly M	lonitoring and S	ampling Report		Rev.: 1
Dublin, Cali	1753T01.WK1			
		TABLE 1		
	WE	ELL MONITORING	DATA	
WELL	DEPTH TO	FREE	SHEEN	WATER
NUMBER	WATER *	PRODUCT	PRESENCE	REMOVED
		THICKNESS		
	(FEET)	(FEET)		(GALLONS)
		11		
		March 6, 1992		
MW-1	12,61	-0-	None	12.5
		December 5, 199	1	
MW-1	16.36	÷0-	None	8.5
* Measur	ed from Top of (	Casing		

Bedford Properties, Inc.

Quarterly Monitoring and Sampling Report

Dublin, California

April 1992

Rev.: 1

1753T02.WK1

TABLE 2
SUMMARY OF FIELD PARAMETER DATA

WELL	TIME	GALLONS	TEMPERATURE	ELECTRICAL	рН
NUMBER		PURGED		CONDUCTIVITY	
			(DEGREES F)	(MICROMHOS	
			·····	PER CM) X 100	
MW-1					
•	15:46	0.25	61.9	* .	6.75
	15:52	1.25	62.1	*	6.95
	15:56	2,5	62.4	19.66	7.23
	16:00	4.0	62.4	19.16	7.26
	16:05	5.5	61.3	18.29	7,43
	16:09	7.0	62.0	19.00	7.58
	16:13	8.25	63.1	19.09	7.53
	16:17	9.50	62.3	18.93	7.54
-	16:20	10.75	<b>63.1</b> ;	19.62	7.36
	16:22	11.00	63.3	19.69	7.27
	16:24	11.25	`. <b>63.1</b> `.'	19.32	7.26
	16:26	11.75	63.3	19.22	*
	16.28	12.00	63.5	19.10	*

<sup>\*</sup> Instrument not operational.

Bedford Properties, Inc.

Quarterly Monitoring and Summary Report

Dublin, California

April 1992 Rev.: 1 1753T03.WK1

#### TABLE 3

## SUMMARY OF WATER SAMPLE ANALYTICAL RESULTS Results are in ug/L

SAMPLE NUMBER	TPH-D	TPH-G	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES
		March 6,	1992			
MW-1	0.660	ŅD	ND	, ND	ND	ND
		Decembe	er 5, 1991			
	ND	ND.	ND	ND	ND	ND
DETECTION LIMITS:	50	50	0.5	0.5	0.5	0.5

#### NOTES:

ND = Non detectable at detection limit

TPH-D = Total Petroleum Hydrocarbons as diesel.

TPH-G = Total Petroleum Hydrocarbons as gasoline.

Results are in micrograms per liter (ug/L) and are reported as parts per billion (ppb) in the text.

Ms. Gina DiMatteo

April 14, 1992

LABORATORY ANALYTICAL REPORT

## CHROMALAB, INC.

Analytical Laboratory (E694)

March 16, 1992

ChromaLab File No.: 0392079

MITTELHAUSER CORPORATION

Attn: Parnian Kaboli

RE: One water sample for Gas/BTEX and Diesel analyses

Project Name: BEDFORD/DUBLIN

Project Number: 1753.06

Date Sampled: Mar. 6, 2991
Date Extracted: Mar. 11, 1992

Date Submitted: Mar. 6, 1992 Date Analyzed: Mar. 12, 1992

#### RESULTS:

Sample I.D.	Gasoline (µg/L)	Diesel (µg/L)	Benzene (µq/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes _(µg/L)
1753-MW1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK SPIKE REC. DET. LIMIT METHOD OF	N.D. 90% 50 5030/	N.D. 100% 50 3510/	N.D. 97% 0.5	N.D. 108% 0.5	N.D. 91% 0.5	N.D. 103% 0.5
ANALYSIS	8015	8015	602	602	602	602

ChromaLab, Inc.

Ronald Halsne

Analytical Chemist

Eric Tam

Laboratory Director

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Ms. Gina DiMatteo

April 14, 1992

CHAIN-OF-CUSTODY DOCUMENTATION

# MITTELHAUSER CORPORATION \_\_\_\_ 7901 STONERIDGE DR. SUITE 123 PLEASANTON, CA 94588 (510) 416-2900

# CHROMALAB FILE # 392079 ORDER # 5696

### CHAIN OF CUSTO

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Roger W. Y	apler	400	e I	hyd-	NUMBER OF CONTAINERS	ANAL YSISIES	late		/		PRESERVA		
SAMPLE NUMBER	DATE TIME	1 / 3		SAMPLE LOCATION	NOS	/45/	A A	L			/ å	/	
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· PINK, (	Y, LABORATOR		RATION	REMARKS: PEPORT PE	そりして	\$ 1	0: 1	Par	nı	an	) Kat	roli	