Engineers
Planners
Economists
Scientists

April 30, 1996

117518.GM.01

Mr. Brian Oliva
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Mr. Sum Arigala
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Subject: 1st Quarter 1996 Groundwater Monitoring Report
Del Monte Plant 35, Emeryville, CA

Enclosed is the Quarterly Groundwater Monitoring and Groundwater Extraction and Treatment (GET) System Status Report for Del Monte Plant 35 located at 4204 Hollis Street in Emeryville, California. Please feel free to call me at (510) 251-2888 ext 2189 if you have any questions about the groundwater monitoring report.

Sincerely,

CH2M HILL

Madeline Wall

Madeline Wall
Project Manager

c: Ms. Susan Hugo/ACDEH
Ms. Sue Jenne/East Bay MUD
Mr. Steve Ronzone/Del Monte
Mr. Richard Fish/Del Monte
Mr. Thomas Bender/The Bender Partnership

CH2M HILL
1111 Broadway, Suite 1200, Oakland, CA 94607-4046
P.O. Box 12681, Oakland, CA 94604-2681
510 251-2426
Fax No. 510 893-8205

Quarterly Groundwater Monitoring and Groundwater Extraction and Treatment Systems Status Report for Del Monte Plant 35 4204 Hollis Street, Emeryville, California

Prepared for
Del Monte Foods USA

Prepared by
CH2M HILL

April 30, 1996

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

DIR. / PROP. MGMT.

Title

4-29-96

Date

Contents

Tables

Figures

Del Monte demolished and removed the building located at the southwest corner of the West Parcel during December 1992. The removal of this building provided access to soil that could not be removed during the removal of the four fuel oil tanks in 1989.

Groundwater investigations conducted in 1994 on the East Parcel of Plant 35 indicated that a portion of East Parcel groundwater contained chlorinated and petroleum hydrocarbons. In June and July 1995, Del Monte conducted soil remediation activities on the East Parcel. Soil containing chlorinated and petroleum hydrocarbons was removed and an underground fuel oil storage tank and surrounding affected soil were removed. Groundwater remediation was then initiated.

3.0 Groundwater Monitoring

Monitoring wells MW-7, MW-9, MW-10, MW-12, and MW-13 were sampled on March 27th and analyzed for chlorinated hydrocarbons. The sample from MW-13 was also analyzed for TPH-gasoline, BTEX, and TPH-diesel, kerosene, and motor oil. The monitoring well locations are shown in Figure 1.

Monitoring well MW-11 was removed in June 1994 during the construction of a groundwater extraction trench on the West Parcel. To replace MW-11 data after the well's removal, a water sample from the extraction trench (SP-E) was collected and analyzed during quarterly groundwater extraction and treatment (GET) system sampling. (The sample from SP-E, however, represented the average water quality of a larger volume of water than the previous samples from MW-11.) Because the West Parcel extraction system is no longer operating, no MW-11/SP-E results were obtained for this quarter.

Monitoring well MW-8 was removed in 1993 when the groundwater extraction pit was constructed on the West Parcel. Water samples collected from the influent sample port (SP-D) of the GET system were used to replace the samples previously collected form MW-8. When the new groundwater extraction trench on the West Parcel become operational in August 1994, SP-D represented water extracted from both the extraction pit and trench. As described above for MW-11/SP-D, with the West Parcel extraction system no longer operating, no MW-8/SP-C results were obtained.

Analytical results for chlorinated hydrocarbons from the March 1996 and previous monitoring events are summarized in Table 1. No petroleum hydrocarbons or BTEX were detected in the sample from MW-13. Current groundwater elevations are provided in Table 2. Laboratory analytical reports for the monitoring well samples are included in Attachment A.

The field sampling report is provided in Attachment B. Levels of total chlorinated hydrocarbons detected this quarter are:

MW-7	46.3 µg/l
MW-9	13.1 µg/l
MW-10	74 µg/l
MW-12	37 µg/l
MW-13	61.9 µg/l

Groundwater monitoring results from the first quarter 1996 event are summarized as follows:

- As with all previous samples from MW-13, no petroleum hydrocarbons or BTEX compounds were detected.
- Compounds detected were TCE, PCE, and cis- and trans-1,2-DCE. Vinyl chloride was also detected in MW-13 on the East Parcel.
- Samples from MW-9, MW-10, and MW-12 on the West Parcel showed significant decreases in chlorinated hydrocarbon concentrations over the previous quarter; chlorinated hydrocarbon concentrations in MW-7 were similar to the previous quarter.
- The concentrations of total chlorinated hydrocarbons in the East Parcel well, MW-13, decreased by almost 50% from the previous quarter.

The results from the West Parcel wells indicate that the increased concentrations observed the previous quarter do not signal an upward trend or rebound from turning off the extraction system on the West Parcel.

4.0 Groundwater Extraction and Treatment System

4.1 GET System Description

A groundwater extraction system was constructed on the East Parcel and the West Parcel treatment unit was modified to treat water pumped from the East Parcel. The new GET system is described below.

In June and July 1995, remedial activities conducted on the East Parcel involved the removal of soil containing petroleum and chlorinated hydrocarbons and an underground tank. A drain and sump system for groundwater extraction was constructed in the pit left after the removal activities. An area at the western end of the pit was selected for the location of the extraction sump system. Several bucket scoops of soil were removed to lower this area to the desired

depth of 20 feet, making the location the deepest portion of pit. A 12-inch diameter pipe was lowered into the pit area (about 3 feet x 3 feet in area).

The pipe was 20 feet long and perforated with 60 holes per foot. The pipe was capped at the bottom end. One-half inch diameter drain rock was placed around the pipe. Drain rock was used to form a mound around the base of the pipe. Figure 3 shows a schematic of the extraction sump.

The existing groundwater treatment system located on the West Parcel of the Plant 35 property was modified to accommodate the expected flow and chemical constituent concentrations from the East Parcel groundwater extraction system. Modifications included replacing the existing carbons canisters with larger carbon units and installing piping and electrical connections between the East Parcel extraction pit and the West Parcel treatment unit. A pump was installed in the new extraction sump. Figure 4 shows the location of the GET system and Figure 5 is a flow diagram of the groundwater extraction and treatment (GET) system.

4.2 Wastewater Discharge Permit Requirements

A new Wastewater Discharge Permit was issued to Del Monte on October 2, 1995, by EBMUD for discharge of the treated groundwater to the sanitary sewer. The new Wastewater Discharge Permit contains the following Self-Monitoring Reporting Requirements (SMRRs):

- Sample from sample ports A, B, and C twice weekly during startup
- Sampling from sample ports A, B, and C once during the final 2 weeks of each quarter
- Analyze samples for total identifiable chlorinated hydrocarbons and benzene, toluene, ethylbenzene, and total xylenes

The wastewater discharge limitations are shown in the following table.

Regulated Parameter	Daily Maximum (in mg/L)
Total Identifiable Chlorinated Hydrocarbon (TICH)	0.035
1,1-dichloroethene	0.010
Trans-1,2-dichloroethene	0.010
Vinyl chloride	0.010
Benzene	0.005
Toluene	0.005
Ethylbenzene	0.005
Xylenes	0.005

4.3 GET System Results

From December 23, 1995 to March 14, 1996, 78,385 gallons of groundwater from the East Parcel were extracted, treated, and discharged. Beginning and ending flow totalizer measurements for this period were:

- December 23, 1995 4,974,179 gallons
- March 14, 1996 5,052,564 gallons

Quarterly sampling was scheduled to occur during the last two weeks of March. As previously stated, apparently PG&E mistakenly shut off the power to the system sometime around March 14th. The problem was fixed and the system started up again on April 10th. GET system monitoring samples were collected on April 15th. The laboratory reports will be submitted to the East Bay MUD and results will be reported in the next quarterly report.

GET system inspection logs are provided in Attachment C.

TABLE 1
DEL MONTE PLANT NO. 35
4204 HOLLIS STREET, EMERYVILLE, CA
QUARTERLY GROUNDWATER MONITORING RESULTS

Monitoring Well	Sampling Date	Concentration (ug/L) 1,2-DCE(a)	1,1-DCE(b)	1,2-DCA(c)	TCE(d)	PCE(e)	VC(f)	1,2-DP(g)
MW9	10-Jul-89	63.0	<0.5	<0.5	13.0	38.0	16.0	<0.5
MW9	24-Oct-89	6.4	<0.5	<0.5	29.0	48.0	23.0	<0.5
MW9	07-Feb-90	55.0	<0.5	<0.5	15.0	30.0	7.1	<0.5
MW9	10-Jul-90	3.0	<0.2	<0.5	9.0	43.0	10.0	<0.5
MW9	17-Oct-90	70.0	<0.5	<0.5	14.0	32.0	4.6	<0.5
MW9	24-Jan-91	70.0	<2.0	<2.0	220.0	23.0	<2.0	<2.0
MW9	17-Apr-91	44.0	<0.5	<0.5	12.0	26.0	<0.5	<0.5
MW9	31-Jul-91	55.0	<0.5	<0.5	14.0	32.0	2.3	<0.5
MW9	22-Oct-91	71.0	<0.5	<0.5	15.0	33.0	2.8	<0.5
MW9	23-Jan-92	64.0	<0.5	<0.5	10.0	27.0	2.1	<0.5
MW9	23-Apr-92	22.0	<0.5	<0.5	11.0	29.0	<0.5	<0.5
MW9	17-Jul-92	26.0	<0.5	<0.5	13.0	32.0	<0.5	<0.5
MW9	12-Oct-92	41.0	<0.5	<0.5	17.0	36.0	3.0	<0.5
MW9	13-Jan-93	22.0	<0.5	<0.5	7.9	17.0	1.4	<0.5
MW9	30-Mar-93	26.0	<0.5	<0.5	9.6	22.0	2.1	<0.5
MW9	16-Jun-93	41.5	<2.0	<2.0	12.0	27.0	6.8	<2.0
MW9	17-Sep-93	1.6 (t)	<1.0	<1.0	11.0	21.0	3.5	<1.0
MW9	21-Dec-93	34.5	<0.5	<0.5	16.0	34.0	5.9	<0.5
MW9	14-Feb-94	30.8	<0.5	<0.5	11.0	25.0	4.2	<0.5
MW9	11-Apr-94	18.0	<0.5	<0.5	9.0	18.0	1.6	<0.5
MW9	15-Jul-94	42.4	<0.5	<0.5	15.0	24.0	7.1	<0.5
MW9	17-Oct-94	35.6	<0.5	<0.5	14.0	24.0	2.2	<0.5
MW9	29-Dec-94	<1.0 (t)	<1.0	<1.0	3.5	8.5	<1.0	<1.0
MW9	09-Mar-95	<1.0 (t)	<1.0	<1.0	3.4	8.4	<1.0	<1.0
MW9	21-Jun-95	<1.0 (t)	<1.0	<1.0	4.8	9.7	<1.0	<1.0
MW9	15-Aug-95	<1.0 (t)	<1.0	<1.0	2.5	7.0	<1.0	<1.0
MW9	25-Sep-95	<1.0 (t)	<1.0	<1.0	2.5	7.2	<1.0	<1.0
MW9	26-Dec-95	7.9	<1.0	<1.0	4.7	9.8	<1.0	<1.0
MW9	27-Mar-96	2.5	<0.5	<0.5	4.0	6.6	<0.5	<0.5
MW10	10-Jul-89	85.0	0.8	<0.5	27.0	42.0	28.0	<0.5
MW10	24-Oct-89	104.8	<0.5	<0.5	37.0	28.0	6.9	<0.5
MW10	07-Feb-90	50.0	<0.5	<0.5	11.0	8.0	5.3	<0.5
MW10	10-Jul-90	9.0	<0.2	<0.5	30.0	76.0	54.0	<0.5
MW10-dup	10-Jul-90	10.0	5.0	<0.5	28.0	69.0	17.0	<0.5
MW10	17-Oct-90	140.0	<0.5	<0.5	35.0	37.0	13.0	<0.5
MW10	24-Jan-91	65.0	<0.5	<0.5	14.0	31.0	3.3	<0.5
MW10	17-Apr-91	210.0	<2.0	<2.0	48.0	52.0	10.0	<2.0
MW10	31-Jul-91	280.0	<2.0	<2.0	66.0	14.0	2.0	<2.0
MW10	22-Oct-91	160.0	<1.0	<1.0	40.0	40.0	5.0	<1.0
MW10	23-Jan-92	240.0	<2.0	<2.0	46.0	54.0	10.0	<2.0
MW10	23-Apr-92	210.0	<2.0	<2.0	89.0	110.0	<2.0	<2.0
MW10	17-Jul-92	180.0	<1.0	<1.0	78.0	82.0	15.0	<1.0
MW10	12-Oct-92	110.0	<1.0	<1.0	45.0	46.0	11.0	<1.0
MW10	13-Jan-93	190.0	<1.0	<1.0	78.0	110.0	19.0	<1.0
MW10	30-Mar-93	26.0	<0.5	<0.5	15.0	18.0	0.7	<0.5
MW10	16-Jun-93	3.2	<2.0	<2.0	2.7	4.7	<2.0	<2.0
MW10	17-Sep-93	<1.0 (t)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW10	21-Dec-93	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5
MW10	14-Feb-94	9.9	<0.5	<0.5	5.4	4.4	<0.5	<0.5
MW10	11-Apr-94	3.7	<0.5	<0.5	2.2	1.5	<1.0	<0.5
MW10	15-Jul-94	<0.5	<0.5	<0.5	1.0	1.0	<0.5	<0.5
MW10	17-Oct-94	20.6	<0.5	<0.5	37.0	19.0	<0.5	<0.5
MW10	29-Dec-94	<1.0 (t)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW10	09-Mar-95	1.7 (t)	<1.0	<1.0	13.0	9.8	<1.0	<1.0
MW10	21-Jun-95	<1.0 (t)	<1.0	<1.0	2.1	2.1	<1.0	<1.0
MW10	15-Aug-95	<1.0 (t)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 1
DEL MONTE PLANT NO. 35
4204 HOLLIS STREET, EMERYVILLE, CA
QUARTERLY GROUNDWATER MONITORING RESULTS

Monitoring Well	Sampling Date	Concentration (ug/L) 1,2-DCE(a)	1,1-DCE(b)	1,2-DCA(c)	TCE(d)	PCE(e)	VC(f)	1,2-DP(g)
MW10	25-Sep-95	<1.0 (t)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW10	26-Dec-95	45	<1.0	<1.0	25	20	<1.0	<1.0
MW10	27-Mar-96	28	<0.5	<0.5	20	26	<0.5	<0.5
MW11	10-Jul-89	73.0	<1.0	4.0	160.0	12.0	16.0	5.7
MW11	24-Oct-89	188.0	<2.0	10.0	410.0	15.0	22.0	20.0
MW11	07-Feb-90	105.0	<2.0	2.0	270.0	8.0	11.0	13.0
MW11	10-Jul-90	4.0	<2.0	23.0	46.0	18.0	15.0	<0.5
MW11	17-Oct-90	150.0	<2.0	11.0	300.0	8.0	<2.0	31.0
MW11	24-Jan-91	120.0	<1.0	<1.0	29.0	29.0	3.0	<1.0
MW11	17-Apr-91	100.0	<1.0	14.0	160.0	12.0	5.0	29.0
MW11	31-Jul-91	250.0	<2.0	<2.0	61.0	65.0	12.0	2.0
MW11	22-Oct-91	180.0	<2.0	5.0	560.0	20.0	5.0	30.0
MW11	23-Jan-92	160.0	<2.0	13.0	290.0	19.0	<2.0	21.0
MW11	23-Apr-92	30.0	<1.0	9.0	120.0	13.0	<1.0	14.0
MW11	17-Jul-92	26.0	<0.5	1.4	81.0	<0.5	<0.5	3.5
MW11	12-Oct-92	63.0	<3.0	4.4	450.0	16.0	5.2	17.0
MW11	13-Jan-93	29.0	<1.0	2.2	140.0	13.0	3.2	6.4
MW11	30-Mar-93	17.0	<0.5	<0.5	55.0	10.0	1.6	5.1
MW11	16-Jun-93	41.5	<2.0	6.3	230.0	20.0	7.0	7.2
MW11	17-Sep-93	<5.0 (t)	<5.0	<5.0	230.0	<5.0	<5.0	<5.0
MW11	21-Dec-93	32.2	<0.5	2.8	220.0	14.0	6.1	<0.5
MW11	14-Feb-94	11.8	<0.5	2.0	52.0	5.6	1.5	2.6
MW11	11-Apr-94	10.0	<0.5	<0.5	57.0	4.9	<1.0	2.7
MW11	27-Jun-94	<0.5	<0.5	<0.5	110.0	12.0	<0.5	<0.5
MW-11 (SP-E)	30-Sep-94	<1.0 (t)	<1.0	<1.0	2.6	2.8	<1.0	<1.0
MW-11 (SP-E)	06-Dec-94	<1.0 (t)	<1.0	<1.0	4.2	1.8	<1.0	<1.0
MW-11 (SP-E)	09-Mar-95	<1.0 (t)	<1.0	<1.0	2.3	1.1	<1.0	<1.0
MW-11 (SP-E)	22-Jun-95	<1.0 (t)	<1.0	<1.0	6.9	4.6	<1.0	<1.0
MW12	02-Mar-94	35.3	<0.5	<0.5	170.0	16.0	6.8	<0.5
MW12	11-Apr-94	25.0	<0.5	<0.5	100.0	13.0	<1.0	<0.5
MW12	15-Jul-94	31.9	<0.5	<0.5	82.0	19.0	4.2	<0.5
MW12	17-Oct-94	<0.5	<0.5	<0.5	1.1	0.9	<0.5	<0.5
MW12	29-Dec-94	<1.0 (t)	<1.0	<1.0	28.0	11.0	<1.0	<1.0
MW12	09-Mar-95	<1.0 (t)	<1.0	<1.0	64.0	16.0	<1.0	<1.0
MW12	21-Jun-95	1.1 (t)	<1.0	<1.0	32.0	15.0	<1.0	<1.0
MW12	15-Aug-95	<1.0 (t)	<1.0	<1.0	18.0	11.0	<1.0	<1.0
MW12	25-Sep-95	<1.0 (t)	<1.0	<1.0	20.0	9.9	<1.0	<1.0
MW12	26-Dec-95	20	<1.0	<1.0	34	14	<1.0	<1.0
MW12	27-Mar-96	11	<0.5	<0.5	15	11	<0.5	<0.5
MW13	13-Oct-95	2.6 (t)	<1.0	<1.0	9.6	28	20	<1.0
MW13	26-Dec-95	51	<1.0	<1.0	13	29	17	<1.0
MW13	27-Mar-96	29.2	<0.5	<0.5	8.0	18.0	6.7	<0.5
	Primary MCL	---	6	0.5	5	5	0.5	5

(a) 1,2-Dichloroethene (c) 1,2-Dichloroethane (e) Tetrachloroethene (g) 1,2-Dichloropropane
(b) 1,1-Dichloroethene (d) Trichloroethene (f) Vinyl chloride (t) trans-1,2-Dichloroethene

TABLE 2

DEL MONTE PLANT NO. 35
4204 HOLLIS STREET, EMERYVILLE CA
QUARTERLY GROUNDWATER ELEVATIONS

Well ID.	Date Sampled	Depth to Water (ft)	Elevation (ft)
MW-7	6/21/95	7.1	15.28
	8/15/95	7.35	15.03
	9/25/95	7.27	15.11
	12/26/95	6.77	15.61
	3/27/96	7.02	15.36
MW-9	6/21/95	9.09	13.19
	8/15/95	9.51	12.77
	9/25/95	9.40	12.88
	12/26/95	8.70	13.58
	3/27/96	9.00	13.28
MW-10	6/21/95	6.88	12.35
	8/15/95	7.18	12.05
	9/25/95	7.08	12.15
	12/26/95	6.57	12.66
	3/27/96	6.83	12.4
MW-12	6/21/95	6.52	11.91
	8/15/95	6.94	11.49
	9/25/95	6.82	11.61
	12/26/95	6.28	12.15
	3/27/96	6.57	11.86
MW-13	10/13/95	7.07	18.99
	12/26/95	7	19.06
	3/27/96	6.81	19.25

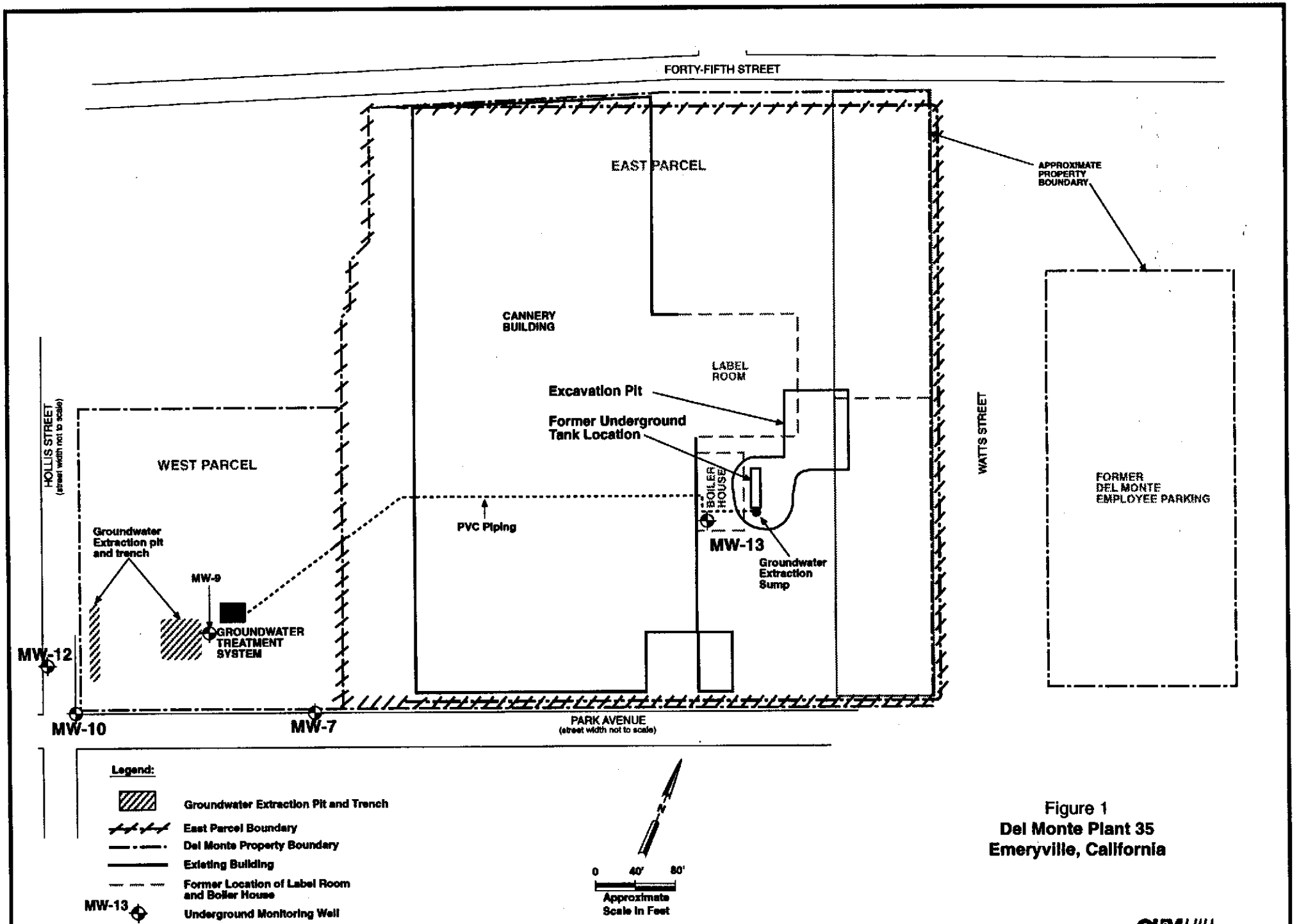


Figure 1
Del Monte Plant 35
Emeryville, California

CH2MHILL

117518.GM.01 UndergrdTank 1/25/96 tj

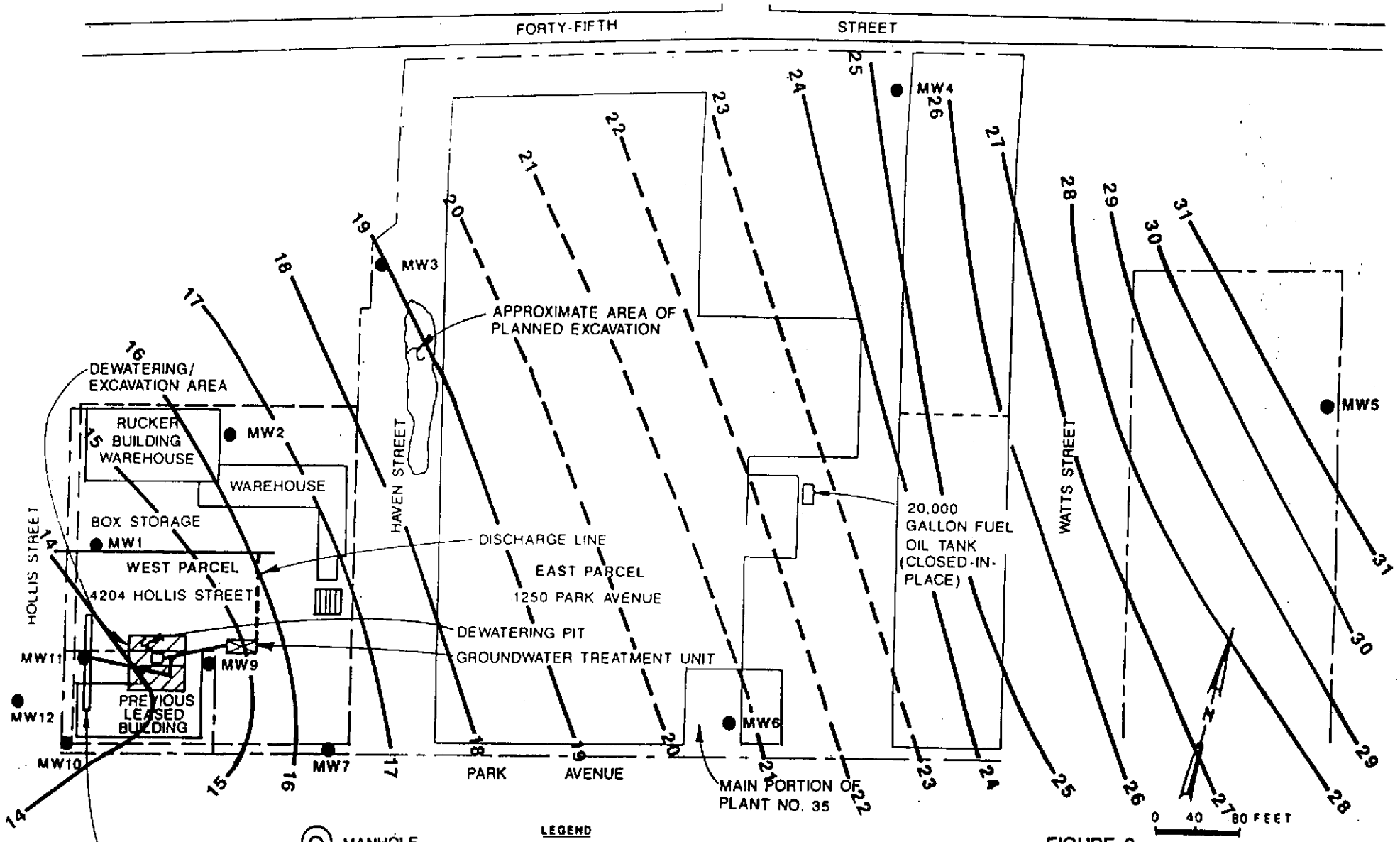
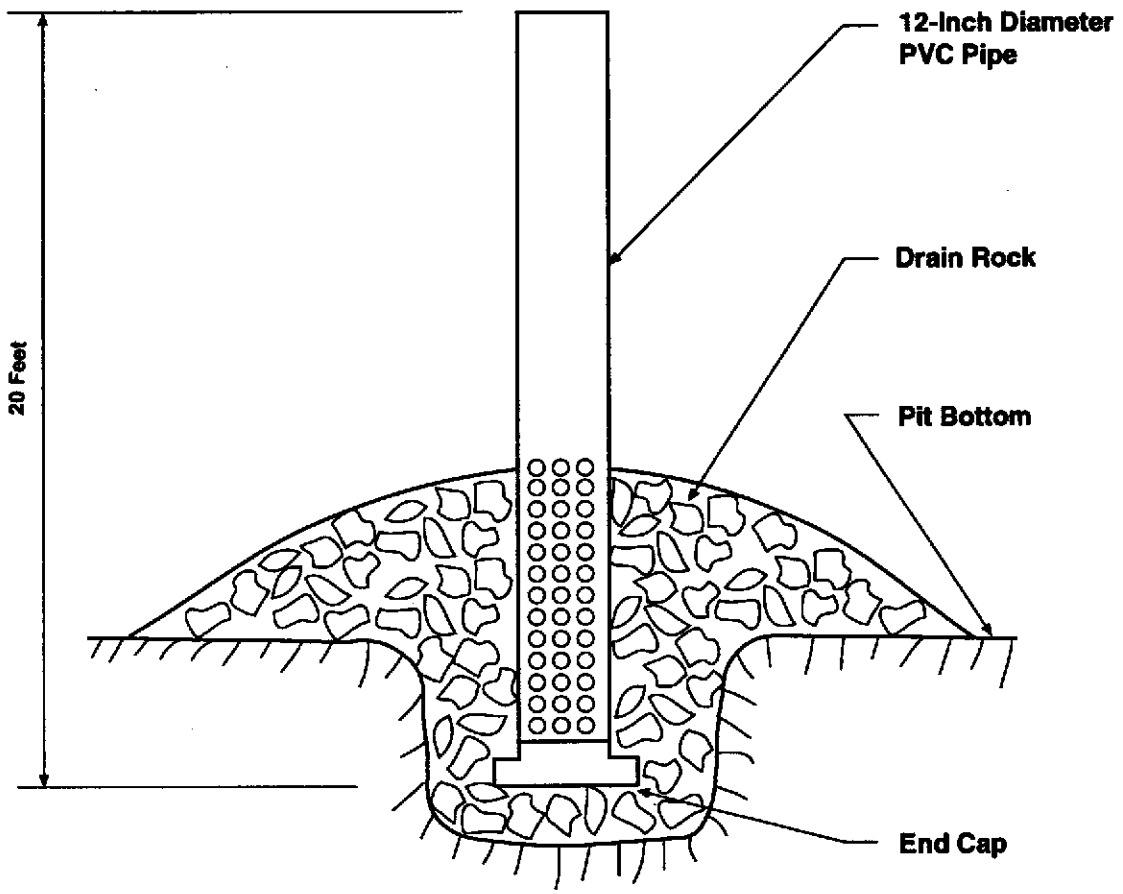


FIGURE 2
GROUNDWATER SURFACE
ELEVATION MAP
JANUARY 16-18, 1995
DEL MONTE PLANT 35
EMERYVILLE, CALIFORNIA
(Measurements made by ENVIRON)

CHEMHILL

117518.GM.01 Manual 4/29/96 pm



Not To Scale

Figure 3
Extraction Sump Schematic
Del Monte Plant 35
Emeryville, California

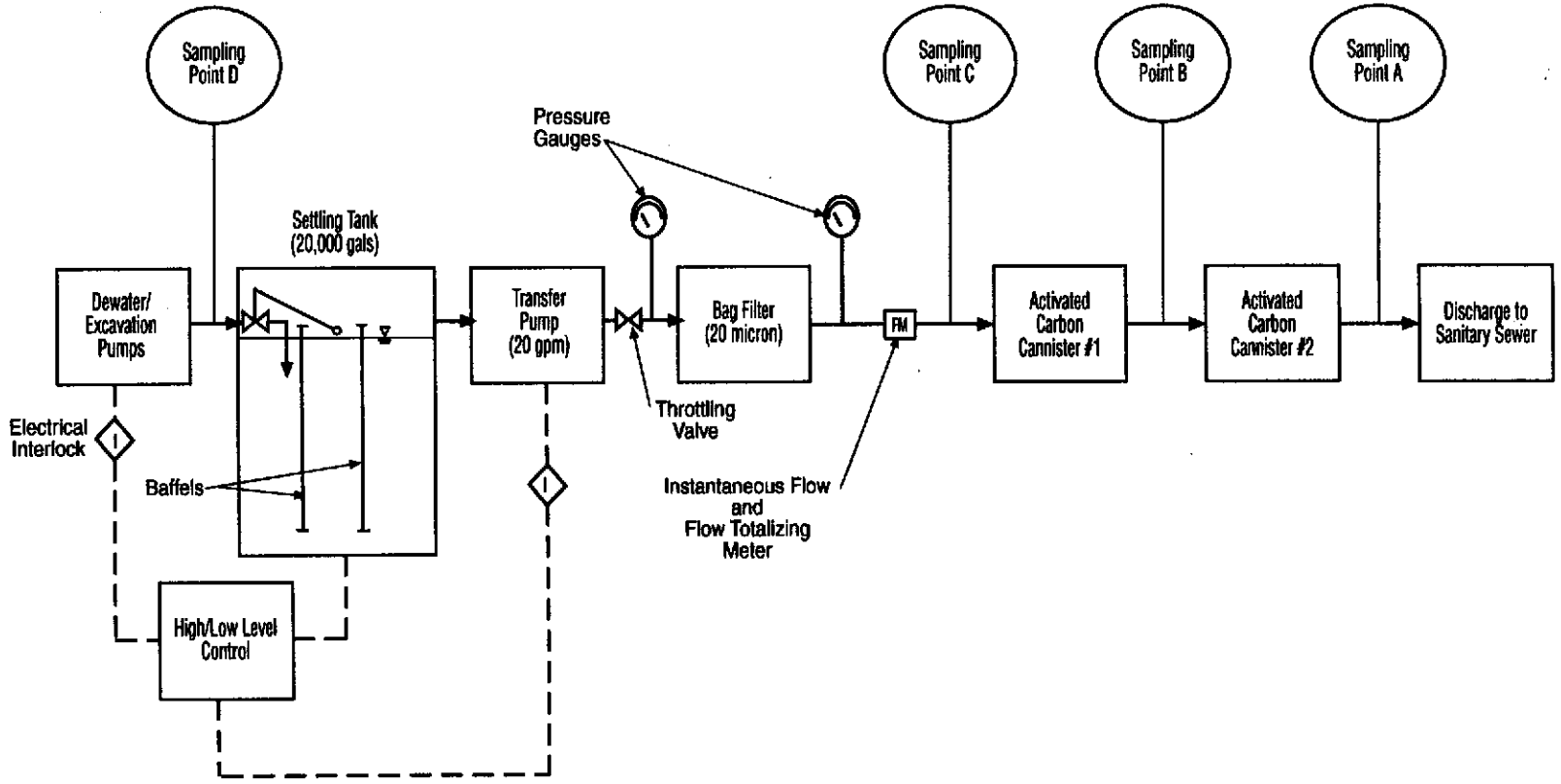


Figure 4
GET System Flow Diagram
Del Monte Plant 35
Emeryville, California

CH2M HILL

117518.GM.01 BlockFlowDia-DelMonte 1/25/96 tj

Attachments A
Analytical laboratory Reports
Groundwater Monitoring

CHROMALAB, INC.

Environmental Services (SDB)

April 3, 1996 *Submission #:* 9603188

CH2M HILL OAKLAND

Atten: Madaline Wall

Project: DEL MONTE PLANT #35 *Project#:* 117518.GM.01
Received: March 29, 1996

re: 1 sample for Gasoline and BTEX analysis.
Method: EPA 5030/8015M/602/8020

Sampled: March 27, 1996 *Matrix:* WATER
Run: 10868-1 *Analyzed:* April 1, 1996

Spl # Sample ID	Gasoline (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
121018 MW-13	N.D.	N.D.	N.D.	N.D.	N.D.
Reporting Limits	0.05	0.5	0.5	0.5	0.5
Blank Result	N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Result (%)	91	122	113	114	120

June Zhao
Chemist

Marianne Alexander
Gas/BTEX Supervisor

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

April 4, 1996 *Submission #:* 9603188

CH2M HILL OAKLAND

Atten: Madaline Wall
Project: DEL MONTE PLANT #35 *Project#:* 117518.GM.01
Received: March 29, 1996
re: 1 sample for Total Extractable Petroleum Hydrocarbons (TEPH) analysis.
Method: EPA 3510/8015M
Sampled: March 27, 1996 *Matrix:* WATER *Extracted:* April 1, 1996
Run: 10878-D *Analyzed:* April 1, 1996

Spl # Sample ID	Kerosene (ug/L)	Diesel (ug/L)	Motor Oil (ug/L)
121018 MW-13	N.D.	N.D.	N.D.
Reporting Limits	50	50	500
Blank Result	N.D.	N.D.	N.D.
Blank Spike Result (%)	--	82	--

Dennis Mayugba
Chemist

Alex Tam
Semivolatiles Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

April 4, 1996 *Submission #:* 9603188

CH2M HILL OAKLAND

Atten: Madaline Wall

Project: DEL MONTE PLANT #35 *Project#:* 117518.GM.01
Received: March 29, 1996

re: One sample for Volatile Halogenated Organics analysis.
Method: EPA 8010

SampleID: **MW 7**
Sample #: 121013 *Matrix:* WATER
Sampled: March 27, 1996 *Run:* 10857-O *Analyzed:* April 1, 1996

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	107
METHYLENE CHLORIDE	N.D.	0.5	N.D.	--
TRANS-1,2-DICHLOROETHENE	1.9	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	19	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	16	0.5	N.D.	123
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	9.4	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	118
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

Oleg Nemtsov
Chemist

Chip Poalinelli
Operations Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

April 4, 1996 *Submission #:* 9603188

CH2M HILL OAKLAND

Atten: Madaline Wall

Project: DEL MONTE PLANT #35 *Project#:* 117518.GM.01
Received: March 29, 1996

re: One sample for Volatile Halogenated Organics analysis.
Method: EPA 8010

SampleID: **MW 9**
Sample #: 121014 *Matrix:* WATER
Sampled: March 27, 1996 *Run:* 10857-O *Analyzed:* April 1, 1996

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	107
METHYLENE CHLORIDE	N.D.	0.5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	2.5	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	4.0	0.5	N.D.	123
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	6.6	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	118
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

Oleg Nemtsov
Chemist

Chip Poalinelli
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

April 4, 1996 *Submission #:* 9603188

CH2M HILL OAKLAND

Atten: Madaline Wall

Project: DEL MONTE PLANT #35 *Project#:* 117518.GM.01
Received: March 29, 1996

re: One sample for Volatile Halogenated Organics analysis.
Method: EPA 8010

SampleID: **MW 10**
Sample #: 121015 *Matrix:* WATER
Sampled: March 27, 1996 *Run:* 10857-O *Analyzed:* April 1, 1996

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	107
METHYLENE CHLORIDE	N.D.	0.5	N.D.	--
TRANS-1,2-DICHLOROETHENE	2.0	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	26	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	20	0.5	N.D.	123
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	26	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	118
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

For above analyte: *VALUES OF C-1,2-DCE AND PCE ARE TAKEN FROM GC/MS RUN EPA METHOD 8240*

Oleg Nemtsov
Chemist

Chip Poalinelli
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

April 4, 1996 *Submission #:* 9603188

CH2M HILL OAKLAND

Atten: Madaline Wall

Project: DEL MONTE PLANT #35 *Project#:* 117518.GM.01
Received: March 29, 1996

re: One sample for Volatile Halogenated Organics analysis.
Method: EPA 8010

SampleID: **MW 12**
Sample #: 121016 *Matrix:* WATER
Sampled: March 27, 1996 *Run:* 10857-O *Analyzed:* April 1, 1996

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	107
METHYLENE CHLORIDE	N.D.	0.5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	11	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	15	0.5	N.D.	123
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	11	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	118
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--
For above analyte:	*VALUE OF TCE IS TAKEN FROM GC/MS RUN EPA METHOD 8240*			

Oleg Nemtsov
Chemist

Chip Poalinelli
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

April 4, 1996 *Submission #:* 9603188

CH2M HILL OAKLAND

Atten: Madaline Wall

Project: DEL MONTE PLANT #35 *Project#:* 117518.GM.01
Received: March 29, 1996

re: One sample for Volatile Halogenated Organics analysis.
Method: EPA 8010

SampleID: **MW-13**
Sample #: 121018 *Matrix:* WATER
Sampled: March 27, 1996 *Run:* 10857-O *Analyzed:* April 1, 1996

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
VINYL CHLORIDE	6.7	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	107
METHYLENE CHLORIDE	N.D.	0.5	N.D.	--
TRANS-1,2-DICHLOROETHENE	2.2	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	27	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	8.0	0.5	N.D.	123
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	18	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	118
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

For above analyte: *VALUES OF 1,2-DCE AND PCE ARE TAKEN FROM GC/MS RUN EPA METHOD 8240*

Oleg Nemtsov
Chemist

Chip Poalinelli
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

April 4, 1996 *Submission #:* 9603188

CH2M HILL OAKLAND

Atten: Madaline Wall

Project: DEL MONTE PLANT #35 *Project#:* 117518.GM.01
Received: March 29, 1996

re: One sample for Volatile Halogenated Organics analysis.
Method: EPA 8010

SampleID: **TB**
Sample #: 121017 *Matrix:* WATER
Sampled: March 27, 1996 *Run:* 10857-O *Analyzed:* April 1, 1996

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	107
METHYLENE CHLORIDE	N.D.	0.5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	123
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	118
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

Oleg Nemtsov
Chemist

Chip Foalinelli
Operations Manager

CHROMALAB, INC.
SAMPLE RECEIPT CHECKLIST

Client Name CH2M HILL

Date/Time Received 3/29/96 (Date) / 0830 (Time)

Project _____

Received by Crowley

Reference/Subm # 27133/960 3/88

Carrier name _____

Checklist completed by: Crowley (Signature) / 4/1/96 (Date)

Logged in by MP (Initials) / 3/29/96 (Date)

Matrix H2O

Shipping container in good condition?			NA____	Yes____ No____
Custody seals present on shipping container?	Intact____	Broken____		Yes____ No____
Custody seals on sample bottles?	Intact____	Broken____		Yes____ No____
Chain of custody present?				Yes✓ No____
Chain of custody signed when relinquished and received?				Yes✓ No____
Chain of custody agrees with sample labels?				Yes✓ No____
Samples in proper container/bottle?				Yes✓ No____
Samples intact?				Yes✓ No____
Sufficient sample volume for indicated test?				Yes✓ No____
VOA vials have zero headspace?			NA____	Yes✓ No____
Trip Blank received?			NA____	Yes✓ No____
All samples received within holding time?				Yes✓ No____

Container temperature? _____

pH upon receipt 6 pH adjusted <2 Check performed by: CR NA____

Any NO response must be detailed in the comments section below. If items are not applicable, they should be marked NA.

Client contacted? _____ Date contacted? _____

Person contacted? _____ Contacted by? _____

Regarding? _____

Comments: _____

Corrective Action: _____

SMPLRECD.CK

BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

CHAIN OF CUSTODY 960327-K2

CLIENT CH2M Hill

SITE Del Monte Plant #55
1250 Park Ave
Emeryville, CA.

LAB Chromalab DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS Invoice & Report to CH2M Hill Attn: Madaline Wall
Proj. # 117518.GM.01

SAMPLE I.D.		MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: EPA # 8010	TPH-GAS, BTEX EPA 8015	TEPH
MW7	850	W	3		X		
MW9	825	↓	↓		X		
MW10	915				X		
MW12	940		↓		X		
MW13	805		8		X	X	X
TB	—	↓	2		X		

ADD'L INFORMATION | STATUS | CONDITION | LAB SAMPLE #

SUBM #: 9603188 REP: GC
CLIENT: CH2
DUE: 04/04/96
REF #:27133

SAMPLING COMPLETED	DATE	TIME
	3/27/96	0920

SAMPLING PERFORMED BY Keith Brown

RESULTS NEEDED NO LATER THAN "5 DAY TAT"

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	3/27/96	1725	[signature]	3/28/96	1725
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			Chris Rowley	3/29/96	0830

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

Attachment B
Field Sampling Report

BLAINE
TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

April 5, 1996

CH_2M Hill
1111 Broadway, Suite 1200
Oakland, CA 94607-4046

ATTN: Madeline Wall

Site:
Del Monte Plant #35
1250 Park Avenue
Emeryville, California

CH_2M Hill Project Number:
117518.GM.01

Date:
March 27, 1996

GROUNDWATER SAMPLING REPORT 960327-K-2

Blaine Tech Services, Inc. performs specialized environmental sampling and documentation as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. does not participate in the interpretation of analytical results, or become involved with the marketing or installation of remedial systems.

This report deals with the groundwater well sampling performed by our firm in response to your request. Data collected in the course of our work at the site are presented in the TABLE OF WELL MONITORING DATA. This information was collected during our inspection, well evacuation and sample collection. Measurements include the total depth of the well and the depth to water. Water surfaces were further inspected for the presence of immiscibles. A series of electrical conductivity, pH, and temperature readings were obtained during well evacuation and at the time of sample collection.

STANDARD PRACTICES

Evacuation and Sampling Equipment

As shown in the TABLE OF WELL MONITORING DATA, the wells at this site were evacuated according to a protocol requirement for the removal of three case volumes of water, before sampling. The wells were evacuated using bailers.

Samples were collected using bailers.

Bailers: A bailer, in its simplest form, is a hollow tube which has been fitted with a check valve at the lower end. The device can be lowered into a well by means of a cord. When the bailer enters the water, the check valve opens and liquid flows into the interior of the bailer. The bottom check valve prevents water from escaping when the bailer is drawn up and out of the well.

Two types of bailers are used in groundwater wells at sites where fuel hydrocarbons are of concern. The first type of bailer is made of a clear material such as acrylic plastic and is used to obtain a sample of the surface and the near surface liquids, in order to detect the presence of visible or measurable fuel hydrocarbon floating on the surface. The second type of bailer is made of Teflon or stainless steel, and is used as an evacuation and/or sampling device.

Bailers are inexpensive and relatively easy to clean. Because they are manually operated, variations in operator technique may have a greater influence than would be found with more automated sampling equipment. Also, where fuel hydrocarbons are involved, the bailer may include near surface contaminants that are not representative of water deeper in the well.

Decontamination

All apparatus is brought to the site in clean and serviceable condition. The equipment is decontaminated after each use and before leaving the site.

Effluent Materials

The evacuation process creates a volume of effluent water which must be contained. Blaine Tech Services, Inc. will place this water in appropriate containers of the client's choice or bring new 55 gallon DOT 17 E drums to the site, which are appropriate for the containment of the effluent materials. The determination of how to properly dispose of the effluent water must usually await the results of laboratory analyses of the sample collected from the groundwater

well. If that sample does not establish whether or not the effluent water is contaminated, or if effluent from more than one source has been combined in the same container, it may be necessary to conduct additional analyses on the effluent material.

Sampling Methodology

Samples were obtained by standardized sampling procedures that follow an evacuation and sample collection protocol. The sampling methodology conforms to both State and Regional Water Quality Control Board standards and specifically adheres to EPA requirements for apparatus, sample containers and sample handling as specified in publication SW 846 and T.E.G.D. which is published separately.

Sample Containers

Sample containers are supplied by the laboratory performing the analyses.

Sample Handling Procedures

Following collection, samples are promptly placed in an ice chest containing deionized ice or an inert ice substitute such as Blue Ice or Super Ice. The samples are maintained in either an ice chest or a refrigerator until delivered into the custody of the laboratory.

Sample Designations

All sample containers are identified with both a sampling event number and a discrete sample identification number. Please note that the sampling event number is the number that appears on our chain of custody. It is roughly equivalent to a job number, but applies only to work done on a particular day of the year rather than spanning several days, as jobs and projects often do.

Chain of Custody

Samples are continuously maintained in an appropriate cooled container while in our custody and until delivered to the laboratory under our standard chain of custody. If the samples are taken charge of by a different party (such as another person from our office, a courier, etc.) prior to being delivered to the laboratory, appropriate release and acceptance records are made on the chain of custody (time, date and signature of person accepting custody of the samples).

Hazardous Materials Testing Laboratory

The samples obtained at this site were delivered to Chromalab, Inc. in San Ramon, California. Chromalab, Inc. is certified by the California Department of Health Services as a Hazardous Materials Testing Laboratory, and is listed as DOHS HMTL #1094.

Personnel

All Blaine Tech Services, Inc. personnel receive 29 CFR 1910.120(e)(2) training as soon after being hired as is practical. In addition, many of our personnel have additional certifications that include specialized training in level B supplied air apparatus and the supervision of employees working on hazardous materials sites. Employees are not sent to a site unless we are confident they can adhere to any site safety provisions in force at the site and unless we know that they can follow the written provisions of an SSP and the verbal directions of an SSO.

In general, employees sent to a site to perform groundwater well sampling will assume an OSHA level D (wet) environment exists unless otherwise informed. The use of gloves and double glove protocols protects both our employees and the integrity of the samples being collected. Additional protective gear and procedures for higher OSHA levels of protection are available.

Please call if we can be of any further assistance.

Richard C. Blaine

RCB/lp

attachments: table of well monitoring data
chain of custody

TABLE OF WELL MONITORING DATA

Well I.D.	MW-7			MW-9			MW-10			MW-12			
Date Sampled	03/27/96			03/27/96			03/27/96			03/27/96			
Well Diameter (in.)	2			2			2			2			
Total Well Depth (ft.)	24.65			19.88			17.50			19.58			
	BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		
Depth To Water (ft.)	7.02	10.81		9.00	10.30		6.83	6.88		6.57	8.30		
Free Product (in.)	NONE			NONE			NONE			NONE			
Reason If Not Sampled	--			--			--			--			
1 Case Volume (gal.)	2.80			1.70			1.70			2.00			
Did Well Dewater?	NO			NO			NO			NO			
Gallons Actually Evacuated	9.5			5.5			5.5			6.0			
Purging Device	BAILER			BAILER			BAILER			BAILER			
Sampling Device	BAILER			BAILER			BAILER			BAILER			
Time	08:36	08:40	08:44	08:17	08:20	08:22	09:02	09:05	09:09	09:28	09:31	09:34	
Temperature (Fahrenheit)	65.8	66.2	66.2	66.8	66.4	66.8	64.4	64.6	64.8	64.2	65.0	64.8	
pH	7.0	6.9	7.0	6.9	6.8	6.8	7.0	6.9	6.9	6.9	6.8	6.8	
Conductivity (micromhos/cm)	730	710	700	800	800	800	890	890	900	880	840	890	
Nephelometric Turbidity Units	>200	>200	>200	>200	>200	>200	138.6	>200	>200	>200	>200	>200	
BTS Chain of Custody	960327-K-2			960327-K-2			960327-K-2			960327-K-2			
BTS Sample I.D.	MW-7			MW-9			MW-10			MW-12			
DOHS HMTL Laboratory	CHROMALAB			CHROMALAB			CHROMALAB			CHROMALAB			
Analysis	EPA 8010			EPA 8010			EPA 8010			EPA 8010			

TABLE OF WELL MONITORING DATA

Well I.D.	MW-13		
Date Sampled	03/27/96		
Well Diameter (in.)	2		
Total Well Depth (ft.)	27.43		
	BEFORE	AFTER	
Depth To Water (ft.)	6.81	11.90	
Free Product (in.)	NONE		
Reason If Not Sampled	--		
1 Case Volume (gal.)	3.20		
Did Well Dewater?	NO		
Gallons Actually Evacuated	10.0		
Purging Device	BAILER		
Sampling Device	BAILER		
Time	07:51	07:56	08:00
Temperature (Fahrenheit)	61.6	62.2	62.6
pH	6.8	6.8	6.8
Conductivity (micromhos/cm)	1400	1100	1000
Nephelometric Turbidity Units	>200	>200	>200
BTS Chain of Custody	960327-K-2		
BTS Sample I.D.	MW-13		
DOHS HMTL Laboratory	CHROMALAB		
Analysis	EPA 8010, TPH (GAS), BTEX & TEPH		

BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

CHAIN OF CUSTODY 960327-K2

CLIENT CH2M Hill

SITE Del Monte Plant #35
1250 Park Ave
Emeryville, CA.

CONDUCT ANALYSIS TO DETECT

LAB Chromalab DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ RWQCB REGION _____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS Invoice & Report to CH2M Hill Attn: Madaline Wall
Proj. # 117518.GM.01

SAMPLE I.D.		MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	EPA # 8010	TPH-GAS, BTEX EPA 8015	TEPH	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW7	850	W	3		X						
MW9	825	↓	↓		X						
MW10	915				X						
MW12	940		↓		X						
MW13	805		8		X	X	X				
TB	—	↓	2		X						

SAMPLING COMPLETED DATE 3/27/96 TIME 0920

SAMPLING PERFORMED BY Keith Brown

RESULTS NEEDED NO LATER THAN "5 DAY TAT"

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	3/27/96	1725	[signature]	3/28/96	1725
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[signature]		
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

Attachment C
GET System Inspection Logs

DAILY WORK TICKET

DATE: JAN 12 ~~1996~~ 1996

Job name: DELMONTE 35

Job Number: 1774 Location: PLANT 35

LABOR

Name	Start Time	Break Hours	Finish Time	Reg. Hours	RATE	TOTAL
WAYNE GATHRIGHT	9:00		11:00	2.00		

MATERIALS

Item	No. Used	Unit Rate	Cost

Description of Work Completed -

CHECK OUT SYSTEM RUNNING SLOW

CHANGE BAG FILTER

EQUIPMENT

Item	No. Used	Unit Rate	Cost
SERVICE TRUCK HRS	2		

Remarks -

BAG FILTERS ON SITE

SUBCONTRACTORS

WAYNE GATHRIGHT
Prepared By

Date

Client Acknowledgement

Del Monte Plant #35

Date: 1-26-96

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street.
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1	Ø	ft.	Ø	time
PW-2	Ø	ft.	Ø	time
PW-3	Ø	ft.	Ø	time

Monitoring Wells -

P-1	Ø	ft.	Ø	time
P-2	Ø	ft.	Ø	time
P-3	Ø	ft.	Ø	time
MW-7	Ø	ft.	Ø	time
MW-9	Ø	ft.	Ø	time
MW-10	Ø	ft.	Ø	time
MW-12	Ø	ft.	Ø	time

Total GET Effluent 5052605 gal. 1038 time

Time req'd: 30 min (+)

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: _____ psi.

After bag filter: _____ psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No ✓

Were all valves opened after replacing the filter bag?
Yes ____ No ____

Were pumps turned ON after replacing the filter bag?
Yes ____ No ____

NOT CHANGED

DECON

rev. 10/94

Del Monte Plant #36 Date: 1-26-96

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ___ No X

If wet spots are noted, briefly describe location. _____

Was sampling performed? Yes ___ No X

If yes, please check from which sample port/s.

A_____ B_____ C_____ D_____

Time req'd: _____

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required.

BARREL TANK EMPTY. WELL PUMP NOT WORKING. INSPECTED; UNKNOWN PROBLEM. CONSULT W/ WAYNE + RETURN MON 1-29-96

Misc. Field Notes: _____

Name (printed): J. Gulbransen Signature: J. Gulbransen

Start Time: 1000 Finish Time: 1038

DECON

rev. 10/94

DAILY WORK TICKET

DATE: FEB 2 1996 Job name: DELMONTE 35
Job Number: 1774 Location: PLANT 35

LABOR

Name	Start Time	Break Hours	Finish Time	Reg. Hours	RATE	TOTAL
WAYNE GATHRIGHT	10:30		12:00	1.50		

MATERIALS

Item	No. Used	Unit Rate	Cost

EQUIPMENT

Item	No. Used	Unit Rate	Cost
SERVICE TRUCK HRS	1.5		

Description of Work Completed -

CHECK OUT SYSTEM CLEAN LOW LEVEL FLOAT

Remarks -

SUBCONTRACTORS

WAYNE GATHRIGHT
Prepared By

Date

Client Acknowledgement

DAILY WORK TICKET

DATE: FEB 6 1996 Job name: DELMONTE 35
Job Number: 1774 Location: PLANT 35

LABOR

Name	Start Time	Break Hours	Finish Time	Reg. Hours	RATE	TOTAL
TOM REESE	8:30		12:00	3.50		

MATERIALS

Item	No. Used	Unit Rate	Cost

EQUIPMENT

Item	No. Used	Unit Rate	Cost
SERVICE TRUCK HRS	3.5		

Description of Work Completed -

CHECK OUT SYSTEM
SYSTEM NOT WORKING ATTEMPTED
TO RESTART
FOUND TRANSFER PUMP NOT WORKING
MOVED WIRING ON RELAY RE TESTED

Remarks -

SUBCONTRACTORS

WAYNE GATHRIGHT
Prepared By

Date

Client Acknowledgement

CH2M HILL DAILY LOG

Project No.: Del Monte 35

(1) Day: Thursday Date: March 4, 1996 Report No.: ____

Work Period: ____ to ____ Weather: clear; warm Precipitation: none

(2) Personnel on Site:

(3) Equipment on Site:

No.	Description	Hrs. Operated

(4) Work Accomplished Today:

I was at the warehouse so I stopped by Del Monte 35 to check on the GET system. On the eastern side, the plastic was off on about ⅓ of the piles. Vegetation has sprouted significantly on the piles near the excavation ~~and~~ near the raised section with the majority of the piles. The water level was up to the ~~bottom~~ top of the gravel walkway to the pipe. On the western side, the cage was unlocked, part of the berm had been breached and the flow meter reading was 5052564. The system was not running.

Signature Catherine A. Swaren

Samples? yes/no Photos? yes/no Delays/Action Items? yes/no