



PACIFIC
ENVIRONMENTAL
GROUP, INC.

✓ see
1/6/93

January 4, 1993
Project 305-87.01

Mr. Paul Hayes
Shell Oil Company
P.O. Box 5278
Concord, California 94520

COPIES DESTROYED

Re: Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California
WIC No 204-2217-0105

Dear Mr. Hayes:

This letter presents the results of the fourth quarter 1992 monitoring program for Shell Oil Company (Shell) prepared by Pacific Environmental Group, Inc. (PACIFIC) for the above referenced site (Figures 1 and 2).

FINDINGS

Groundwater monitoring wells were sampled and gauged by Emcon Associates (Emcon) at the direction of PACIFIC on November 10, 1992. Groundwater elevation contours for the sampling date are shown on Figure 2, and include groundwater elevation data supplied by Alisto Engineering for the BP service station and data supplied by Kaprealian Engineering for the Unocal service station. Table 1 presents groundwater elevation data.

Groundwater analytical data are presented in Table 2. Total petroleum hydrocarbons calculated as gasoline (TPH-g) and benzene concentrations for the November 1992 sampling event are shown on Figure 3. Emcon's groundwater sampling report is presented in Attachment A. Field purging and sampling data is presented in Table 3.

January 4, 1993

Page 2

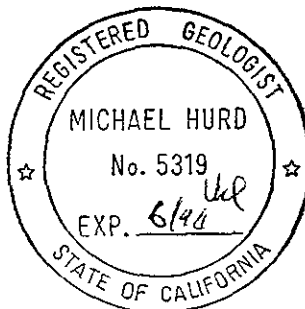
If you have any questions regarding the contents of this letter, please call.

Sincerely,

Pacific Environmental Group, Inc.



Michael Hurd
Project Geologist
RG 5319



Attachments: Table 1 - Groundwater Elevation Data
Table 2 - Groundwater Analytical Data - Total Petroleum Hydrocarbons (TPH as Gasoline and BTEX Compounds)
Table 3 - Field Purging and Sampling Data
Figure 1- Site Location Map
Figure 2- Groundwater Elevation Contour Map
Figure 3- TPH-g/Benzene Concentration Map
Attachment A - Groundwater Sampling Report

cc: Mr. Craig Mayfield, Alameda County Flood Control and Water Conservation District
Mr. Eddy So, Regional Water Quality Control Board
Mr. Gil Wistar, Alameda County Health Care Services
Mr. Rick Schroder, Shell Oil Company

Table 1
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-1	05/09/88	334.83	8.72	326.11
	08/26/88		9.15	325.68
	10/05/88		8.54	326.29
	11/22/88		9.31	325.52
	12/09/88		9.33	325.50
	01/13/89		NM	NM
	02/10/89		8.51	326.32
	03/02/89		8.71	326.12
	04/04/89		7.93	326.90
	05/01/89		8.43	326.40
	06/01/89		8.56	326.27
	06/29/89		8.60	326.23
	08/09/89		8.43	326.40
	09/11/89		8.65	326.18
	10/10/89		8.52	326.31
	10/25/89		8.56	326.27
	12/20/89		8.80	326.03
	01/17/90		8.47	326.36
	02/23/90		8.25	326.58
	06/04/90		8.62	326.21
	11/20/90		9.50	325.33
	02/12/91		9.51	325.32
	05/06/91		8.34	326.49
	08/28/91		9.28	325.55
	11/13/91		9.59	325.24
	02/25/92		7.49	327.34
	05/12/92		8.64	326.19
08/12/92	9.15	325.68		
11/10/92	10.04	324.79		
MW-2	05/09/88	336.96	10.85	326.11
	08/26/88		11.29	325.67
	10/05/88		10.83	326.13
	11/22/88		11.42	325.54
	12/09/88		11.45	325.51
	01/13/89		NM	NM
	02/10/89		10.74	326.22
	03/02/89		10.91	326.05
	04/04/89		10.06	326.90
	05/01/89		10.58	326.38
	05/31/89		10.73	326.23
	06/28/89		10.90	326.06
	08/08/89		10.78	326.18
	09/08/89		10.97	325.99
	10/09/89		10.88	326.08
	10/24/89		11.00	325.96

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-2 (cont.)	12/21/89		11.06	325.90
	01/17/90		10.78	326.18
	02/23/90		10.35	326.61
	06/04/90		10.72	326.24
	11/20/90		11.35	325.61
	02/12/91		11.64	325.32
	05/06/91		10.05	326.91
	08/28/91		11.16	325.80
	11/13/91		11.57	325.39
	02/25/92		9.66	327.30
	05/12/92		10.97	325.99
	08/12/92		11.58	325.38
	11/10/92		12.05	324.91
	MW-3	05/09/88	336.96	10.59
08/26/88			11.10	325.86
10/05/88			10.43	326.53
11/22/88			11.16	325.80
12/09/88			11.24	325.72
01/13/89			NM	NM
02/10/89			10.43	326.53
03/02/89			10.59	326.37
04/04/89			9.45	327.51
05/01/89			10.20	326.76
06/01/89			10.40	326.56
06/28/89			10.60	326.36
08/09/89			10.64	326.32
09/11/89			10.83	326.13
10/10/89			10.95	326.01
10/26/89			10.86	326.10
12/21/89			11.09	325.87
01/17/90			10.90	326.06
02/23/90			10.52	326.44
06/04/90			10.52	326.44
11/20/90			12.65	324.31
02/12/91			11.16	325.80
05/06/91		336.93	9.85	327.08
08/28/91			10.90	326.03
11/13/91			11.28	325.65
02/25/92			9.04	327.89
05/12/92			10.50	326.43
08/12/92		10.94	325.99	
11/10/92		11.84	325.09	

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-4	05/09/88	337.14	10.88	326.26
	08/26/88		11.34	325.80
	10/05/88		10.87	326.27
	11/22/88		11.41	325.73
	12/09/88		11.46	325.68
	01/13/89		NM	NM
	02/10/89		10.78	326.36
	03/02/89		10.92	326.22
	04/04/89		10.04	327.10
	05/01/89		10.52	326.62
	05/31/89		10.62	326.52
	06/28/89		11.00	326.14
	08/09/89		10.92	326.22
	09/08/89		11.05	326.09
	10/10/89		10.97	326.17
	10/26/89		11.35	325.79
	12/21/89		11.07	326.07
	01/17/90		11.08	326.06
	02/23/90		10.90	325.24
	06/04/90		10.74	326.40
	11/20/90		11.45	325.69
	02/12/91		11.50	325.64
	05/06/91		10.04	327.10
	08/28/91		11.18	325.96
	11/13/91		11.60	325.54
	02/25/92		9.45	327.69
05/12/92	10.84	326.30		
08/12/92	11.36	325.78		
11/10/92	12.12	325.02		
MW-5	08/26/88	334.96	9.10	325.86
	10/05/88		9.95	325.01
	11/22/88		8.93	326.03
	12/09/88		10.48	324.48
	01/13/89		NM	NM
	02/10/89		10.35	324.61
	03/02/89		8.50	326.46
	04/05/89		7.72	327.24
	05/01/89		8.21	326.75
	06/01/89		8.40	326.56
	06/29/89		8.65	326.31
	08/09/89		8.76	326.20
	09/11/89		8.80	326.16
	10/10/89		11.92	323.04
	10/25/89		9.03	325.93
	12/20/89		11.26	323.70

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-5 (cont.)	01/18/90		9.95	325.01
	02/23/90		8.30	326.66
	06/04/90		8.57	326.39
	11/20/90		9.45	325.51
	02/11/91		9.27	325.69
	05/06/91		7.90	327.06
	08/28/91		9.28	325.68
	11/13/91		9.36	325.60
	02/25/92		9.02	325.94
	05/12/92		8.65	326.31
	08/12/92		9.40	325.56
	11/10/92		9.68	325.28
	MW-6	08/26/88	335.42	9.69
10/05/88			9.27	326.15
11/22/88			9.77	325.65
12/09/88			9.85	325.27
01/13/89			NM	NM
02/10/89			9.10	326.32
03/02/89			9.29	326.13
04/04/89			8.48	326.94
05/01/89			8.90	326.52
06/01/89			9.16	326.26
06/29/89			9.30	326.12
08/09/89			9.30	326.12
09/11/89			9.31	326.11
10/10/89			9.32	326.10
10/24/89			9.30	326.12
12/20/89			9.58	325.84
01/18/90			9.46	325.96
02/23/90			8.94	326.48
06/04/90			9.22	326.20
11/20/90			9.65	325.77
02/12/91		9.85	325.57	
05/06/91		9.12	326.30	
08/28/91		9.68	325.74	
11/13/91		10.00	325.42	
02/25/92		8.44	326.98	
05/12/92		9.11	326.31	
08/12/92		9.72	325.70	
11/10/92		10.56	324.86	
MW-7	08/26/88	333.23	7.94	325.29
	10/05/88		7.54	325.69
	11/22/88		NM	NM
	12/09/88		7.53	325.70
	01/13/89		NM	NM

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-7 (cont.)	02/10/89		6.62	326.61
	03/02/89		7.03	326.20
	04/05/89		6.80	326.43
	05/01/89		6.53	326.70
	05/31/89		6.93	326.30
	06/28/89		6.85	326.38
	08/09/89		6.67	326.56
	09/07/89		6.90	326.33
	10/10/89		6.90	326.33
	10/24/89		7.29	325.94
	12/20/89		7.47	325.76
	01/18/90		7.49	325.74
	02/23/90		6.92	326.31
	06/04/90		6.95	326.28
	11/20/90		8.10	325.13
	02/11/91		8.04	325.19
	05/06/91		6.37	325.86
	08/28/91		7.94	325.29
	11/13/91		8.41	324.82
	02/25/92		6.99	326.24
05/12/92		7.42	325.81	
08/12/92		8.65	324.58	
11/10/92			8.82	324.41
MW-8	03/01/89	335.80	8.28	327.52
	04/04/89		7.31	328.49
	05/01/89		8.97	326.83
	05/31/89		9.17	326.63
	06/28/89		9.40	326.40
	08/08/89		9.42	326.28
	09/07/89		8.50	327.30
	10/10/89		9.46	326.34
	10/26/89		9.56	326.24
	12/21/89		9.57	326.23
	01/18/90		9.29	326.51
	02/26/90		8.50	327.30
	06/04/90		9.04	326.76
	02/11/91		9.40	326.40
	05/06/91		8.70	327.10
	08/28/91		9.68	326.12
	11/13/91		9.87	326.93
	02/25/92		7.45	328.35
	05/12/92		9.19	326.61
	08/12/92		9.82	325.98
11/10/92			10.41	325.39

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)		
MW-9	03/01/89	334.57	8.48	326.09		
	04/04/89		7.69	326.88		
	05/01/89		8.20	326.37		
	05/31/89		8.72	325.85		
	06/28/89		9.00	325.57		
	08/08/89		8.53	326.04		
	09/07/89		8.99	325.58		
	10/09/89		8.89	325.68		
	10/23/89		9.02	325.55		
	12/21/89		9.48	325.09		
	01/18/90		8.73	325.84		
	02/26/90		9.06	325.51		
	06/04/90		8.64	325.93		
	11/20/90		9.95	324.62		
	02/11/91		9.85	324.72		
	05/06/91		10.05	324.52		
	08/28/91		10.34	324.23		
	11/13/91		9.39	325.18		
	02/25/92		7.18	327.39		
	05/12/92		8.54	326.03		
08/12/92	8.97	325.60				
10/92	9.61	324.96				
MW-10	03/02/89	335.37	8.95	326.42		
	04/04/89		7.89	327.48		
	05/01/89		9.07	326.30		
	06/01/89		8.86	326.51		
	06/29/89		9.05	326.32		
	08/09/89		9.70	326.67		
	09/07/89		8.14	327.23		
	10/10/89		9.21	326.16		
	10/26/89		9.60	325.77		
	12/20/89		9.42	325.95		
	06/90		-----Well Destroyed-----			
	MW-11		03/02/89	334.20	8.30	325.90
			04/04/89		7.52	325.68
05/01/89		7.97	326.23			
11/20/90		NM	NM			
05/31/90		8.13	326.07			
06/28/89		8.30	325.90			
08/08/89		8.22	325.98			
09/07/89		8.32	325.88			
10/09/89		8.28	325.92			
10, 24/89		8.38	325.82			
12, 20/89		8.48	325.72			

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-11 (cont.)	01/18/90		8.20	326.00
	02/26/90		7.86	326.34
	06/04/90		8.13	326.07
	11/20/90		8.83	325.37
	02/11/90		8.95	325.25
	05/06/91		7.71	326.49
	08/28/91		8.62	325.58
	11/15/91		8.99	325.21
	02/25/92		7.21	326.99
	05/12/92		8.26	325.94
	08/12/92		8.75	325.45
	11/10/92		9.47	324.73
	MW-12	03/02/89	332.53	6.94
04/04/89			6.33	326.20
05/01/89			6.62	325.91
06/01/89			6.82	325.71
06/29/89			7.00	325.53
08/09/89			6.76	325.77
09/07/89			6.81	325.72
10/09/89			7.11	325.42
10/24/89			7.60	324.93
12/20/89			8.25	324.28
01/18/90			8.23	324.30
02/26/90			7.54	324.99
06/04/90			7.96	324.57
11/20/90			8.80	323.73
02/12/90			7.85	324.68
05/06/91			7.35	325.18
08/28/91			7.79	324.74
11/13/91		7.89	324.64	
02/25/92		6.14	326.39	
05/12/92		7.54	324.99	
08/12/92		9.83	322.70	
11/10/92		8.32	324.21	
MW-13	05/06/91	335.64	8.37	327.27
	08/28/91		9.82	325.82
	11/13/91		10.19	325.45
	02/25/92		7.66	327.98
	05/12/92		9.16	326.48
	08/12/92		10.91	324.73
	11/10/92		10.69	324.95

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
RW-1	12/09/89	336.19	10.73	325.46
	01/13/89		NM	NM
	02/10/89		10.91	325.28
	03/02/89		10.15	325.04
	04/05/89		9.34	326.85
	05/01/89		9.85	326.34
	06/01/89		9.96	326.23
	06/30/89		9.90	326.29
	08/09/89		9.80	326.39
	09/11/89		10.02	326.17
	10/10/89		9.88	326.31
	10/25/89		9.80	326.39
	12/21/89		10.25	325.94
	01/17/89		9.80	326.39
	02/23/90		9.60	326.59
	06/04/90		9.97	326.22
	11/20/90		10.50	325.69
	02/11/91		10.87	325.32
	02/25/92		NM	NM
	05/12/92		NM	NM
08/12/92	NM	NM		
11/10/92	NM	NM		
MSL = Mean sea level				
TOC = Top of casing				
NM = Not measured				

Table 2
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-1	05/09/88	440	120	50	NR	120
	08/26/88	200,000	4,400	260	300	450
	10/05/88	17,000	6,700	360	210	730
	11/22/88	8,000	3,900	830	250	340
	12/09/88	11,000	790	36	7.3	68
	01/13/89	8,800	3,800	110	330	90
	02/10/89	18,000	4,700	400	660	190
	03/02/89	14,000	6,100	770	320	440
	04/04/89	11,000	4,800	770	270	780
	05/01/89	11,000	2,800	880	410	780
	06/01/89	ND	ND	ND	ND	ND
	06/29/89	4,700	310	160	75	260
	08/09/89	12,000	1,300	620	830	680
	09/11/89	ND	ND	ND	ND	2.2
	10/10/89	8,700	1,100	310	180	590
	10/25/89	7,500	660	250	460	480
	12/20/89	6,200	270	110	260	220
	01/17/90	7,400	200	170	160	260
	02/23/90	1,500	130	13	30	24
	06/04/90	830	88	10	2.6	28
	11/20/90	NA	NA	NA	NA	NA
	02/12/91	1,500	180	39	82	110
	05/06/91	510	41	11	25	35
	08/28/91	450	41	16	24	34
	11/13/91	320	41	14	23	33
	02/25/92	240	24	9.2	14	20
	05/12/92	320	60	25	29	41
08/12/92	230	26	16	20	25	
08/12/92(D)	220	25	16	19	24	
11/10/92	120	13	8.8	9	13	
MW-2	05/09/88	ND	ND	ND	NR	ND
	08/26/88	1,700	230	16	87	120
	10/05/88	200	20	2.3	8.3	12
	11/22/88	800	93	1.6	4.3	60
	12/09/88	270	45	3.6	7.2	14
	01/13/89	180	26	2.3	17	7
	02/10/89	320	43	1.7	34	15
	03/02/89	230	24	0.9	9.2	18
	04/04/89	230	53	2.3	7.1	20
	05/01/89	ND	2.7	ND	ND	ND

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-2 (cont.)	05/31/89	120	14	ND	3.9	7.6
	06/28/89	ND	4.1	ND	ND	ND
	08/08/89	88	3.9	ND	ND	ND
	09/08/89	ND	3.2	ND	ND	ND
	10/09/89	110	6.7	ND	ND	ND
	10/24/89	ND	2.5	ND	ND	1.9
	12/21/89	ND	7.1	ND	5	9.8
	01/17/90	ND	4.4	ND	1.6	1.4
	02/23/90	70	6.3	ND	2.7	2.5
	06/04/90	60	2.4	ND	0.8	ND
	11/20/90	60	5.6	ND	ND	ND
	02/12/91	130	14	ND	0.9	0.5
	05/06/91	60	1.5	ND	5	ND
	08/28/91	100	6.3	ND	1	1.1
	11/13/91	ND	11	ND	1.3	ND
	02/25/92	ND	3.8	ND	ND	ND
	05/12/92	ND	6.0	ND	ND	ND
	08/12/92	110	6.8	ND	1.0	ND
	11/10/92	56	4.5	ND	ND	ND
	MW-3	05/09/88	76	10	4.4	NR
08/26/88		5,200	170	6	32	54
10/05/88		260	100	2.7	5.8	7
11/22/88		180	75	1.4	8.1	4
12/09/88		160	5	5.9	ND	ND
01/13/89		160	36	1.2	3	2
02/10/89		300	83	ND	8.6	8
03/02/89		570	160	1	17	9
04/04/89		150	64	0.8	2.7	6
05/01/89		130	48	1.2	3.4	2
06/01/89		ND	ND	ND	ND	ND
06/28/89		90	68	0.7	ND	5.1
08/09/89		150	23	5.3	2.6	ND
09/11/89		ND	ND	ND	ND	ND
10/10/89		80	6.4	0.72	ND	ND
10/26/89		150	11	ND	1.6	ND
12/21/89		ND	6.8	ND	ND	ND
01/17/90		ND	4	ND	6.8	ND
02/23/90		50	10	ND	1.2	0.9
06/04/90		80	10	ND	1.4	ND
11/20/90	100	26	0.7	1.2	1.9	

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compound)

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-3 (cont.)	02/12/91	130	27	ND	ND	ND
	05/06/91	120	31	0.8	2.1	0.8
	08/28/91	340	87	1.1	6.5	3.8
	11/13/91	240	140	ND	3.1	0.9
	02/25/92	80	17	ND	ND	ND
	05/12/92	74	31	ND	2.6	ND
	08/12/92	160	24	0.5	2.9	ND
	11/10/92	130	27	ND	1.1	0.9
	11/10/92(D)	110	2.6	ND	1.1	0.7
MW-4	05/09/88	290	76	33	NA	150
	08/26/88	210	640	41	110	160
	10/05/88	450	110	6.3	16	20
	11/22/88	500	110	4	20	27
	12/09/88	260	920	7.5	5.9	11
	01/13/89	990	200	6.5	46	14
	02/10/89	290	90	3.6	8.8	9
	03/02/89	630	210	6.2	34	7
	04/04/89	640	340	13	25	40
	05/01/89	100	65	2	3	4
	05/31/89	60	ND	ND	ND	ND
	06/28/89	110	62	1.3	ND	4.8
	08/09/89	160	110	2	6.4	ND
	09/08/89	94	45	0.5	3.8	ND
	10/10/89	90	30	1	1.9	ND
	10/26/89	ND	3.4	ND	ND	ND
	12/21/89	ND	35	1.1	3.6	1.6
	01/17/90	ND	4	ND	6.8	ND
	02/23/90	ND	8	ND	1.1	0.7
	06/04/90	160	85	1.1	1.9	ND
	11/20/90	140	52	1	0.8	0.9
	02/12/91	130	48	ND	1.5	ND
	05/06/91	140	49	1.3	4.1	1.7
	08/28/91	90	13	ND	1	1.1
	11/13/91	ND	10	ND	ND	ND
	02/25/92	120	47	ND	0.5	0.5
	05/12/92	----- Well Sampled Semi-Annually -----				
08/12/92	ND	3.5	ND	ND	ND	
11/10/92	----- Well Sampled Semi-Annually -----					
MW-5	08/26/88	210	6	44	9	19
	10/05/88	7.500	2.700	ND	110	590
	11/22/88	150	21	26	3	2
	12/09/88	240	37	2.2	6.7	7.7

Table 2 (continued)
Groundwater Analytical Data
 Total Petroleum Hydrocarbons
 (TPH as Gasoline and BTEX Compounds)

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
(MW-5) (cont.)	01/13/89	80	1.6	ND	7.7	2
	02/10/89	60	ND	ND	ND	ND
	03/02/89	ND	ND	ND	ND	ND
	04/05/89	ND	ND	ND	ND	ND
	05/01/89	ND	1.3	ND	ND	ND
	06/01/89	ND	ND	ND	ND	ND
	06/29/89	ND	ND	ND	ND	ND
	08/09/89	89	8.5	1.8	1.5	2.2
	09/11/89	1,100	7.8	1.4	ND	6.3
	10/10/89	ND	ND	ND	ND	ND
	10/25/89	ND	1.4	ND	ND	1.6
	12/20/89	ND	ND	ND	ND	ND
	01/18/90	ND	ND	ND	ND	ND
	02/23/90	ND	ND	ND	0.6	ND
	06/04/90	ND	ND	ND	ND	ND
	11/20/90	ND	ND	ND	ND	1
	02/11/91	ND	ND	ND	ND	ND
	05/06/91	ND	ND	ND	ND	ND
	08/28/91	ND	ND	ND	ND	1
	11/13/91	ND	ND	ND	ND	ND
02/25/92	ND	ND	ND	ND	ND	
05/12/92	ND	ND	ND	ND	ND	
08/12/92	56	0.5	ND	ND	ND	
11/10/92	ND	ND	ND	ND	ND	
MW-6	08/26/88	15,000	390	390	670	1,700
	10/05/88	2,700	130	38	960	220
	11/22/88	NA	NA	NA	NA	NA
	12/09/88	540	62	3	26	5
	01/13/89	980	160	22	120	29
	02/10/89	1,900	290	24	93	48
	03/02/89	1,400	160	20	130	33
	04/04/89	1,200	220	27	74	69
	05/01/89	790	120	11	25	17
	06/01/89	1,200	49	49	69	30
	06/29/89	940	130	15	69	35
	08/09/89	1,400	280	39	170	64
	09/11/89	ND	ND	ND	ND	ND
	10/10/89	1,000	85	11	12	16
10/24/89	1,500	67	20	50	39	
12/20/89	ND	4.9	5.1	ND	ND	

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
 (TPH as Gasoline and BTEX Compounds)

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-6 (cont.)	01/18/90	ND	67	12	48	18
	02/23/90	1	150	16	47	30
	06/04/90	190	ND	ND	ND	0.6
	11/20/90	730	120	12	39	21
	02/12/91	550	65	10	33	16
	05/06/91	550	72	11	38	23
	08/28/91	580	82	7.6	28	20
	11/13/91	430	60	7.6	20	12
	02/25/92	400	52	6.6	18	11
	05/12/92	950	260	36	12	49
	08/12/92	660	90	15	55	18
	11/10/92	350	23	3.7	15	6.8
MW-7	08/26/88	ND	0.8	ND	ND	ND
	10/05/88	ND	ND	ND	ND	ND
	11/22/88	700	41	9	1	20
	12/09/88	ND	ND	ND	ND	0.6
	01/13/89	ND	ND	ND	ND	ND
	02/10/89	ND	ND	ND	ND	ND
	03/02/89	ND	ND	ND	ND	ND
	04/05/89	ND	ND	ND	ND	ND
	05/01/89	ND	ND	ND	ND	ND
	05/31/89	ND	ND	ND	ND	ND
	06/28/89	ND	ND	ND	ND	ND
	08/09/89	ND	ND	ND	ND	ND
	09/07/89	ND	ND	ND	ND	ND
	10/10/89	ND	ND	ND	ND	ND
	10/24/89	ND	ND	ND	ND	ND
	12/20/89	ND	ND	ND	ND	ND
	01/18/90	ND	ND	ND	ND	ND
	02/23/90	ND	ND	ND	ND	ND
	06/04/90	ND	ND	ND	ND	ND
	11/20/90	ND	ND	ND	ND	ND
	02/11/91	ND	ND	ND	ND	ND
	05/06/91	ND	ND	ND	ND	ND
	08/28/91	ND	ND	ND	ND	ND
	11/13/91	ND	ND	ND	ND	ND
	02/25/92	ND	ND	ND	ND	ND
05/12/92	----- Well Sampled Semi-Annually -----					
08/12/92	52	0.8	0.9	ND	ND	
11/10/92	----- Well Sampled Semi-Annually -----					

Table 2 (continued)
Groundwater Analytical Data
 Total Petroleum Hydrocarbons
 (TPH as Gasoline and BTEX Compounds)

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	
MW-8	03/01/89	ND	ND	ND	ND	ND	
	04/04/89	ND	ND	ND	ND	ND	
	05/01/89	ND	ND	ND	ND	ND	
	05/31/89	ND	ND	ND	ND	ND	
	06/28/89	ND	ND	ND	ND	ND	
	08/08/89	ND	ND	ND	ND	ND	
	09/07/89	ND	ND	ND	ND	ND	
	10/10/89	ND	ND	ND	ND	ND	
	10/26/89	ND	ND	ND	ND	ND	
	12/21/89	ND	ND	ND	ND	ND	
	01/18/90	ND	ND	ND	ND	ND	
	02/26/90	ND	ND	ND	ND	ND	
	06/04/90	ND	ND	ND	ND	ND	
	11/20/90	ND	ND	ND	ND	ND	
	02/11/91	ND	ND	ND	ND	ND	
	05/06/91	ND	ND	ND	ND	ND	
	08/28/91	ND	ND	ND	ND	ND	
	11/13/91	ND	ND	ND	ND	ND	
	02/25/92	ND	ND	ND	ND	ND	
	05/12/92	----- Well Sampled Semi-Annually -----					
	08/12/92	ND	ND	ND	ND	ND	
11/10/92	----- Well Sampled Semi-Annually -----						
MW-9	03/1/89	ND	ND	ND	ND	ND	
	04/04/89	ND	ND	ND	ND	ND	
	05/01/89	ND	ND	ND	ND	ND	
	05/31/89	ND	ND	ND	ND	ND	
	06/28/89	ND	ND	ND	ND	ND	
	08/08/89	ND	ND	ND	ND	ND	
	09/07/89	ND	ND	ND	ND	ND	
	10/09/89	ND	ND	ND	ND	ND	
	10/23/89	ND	ND	ND	ND	ND	
	12/21/89	ND	ND	ND	ND	ND	
	01/18/90	ND	ND	ND	ND	ND	
	02/26/90	ND	ND	ND	ND	ND	
	06/04/90	ND	ND	ND	ND	ND	
	11/20/90	ND	ND	ND	ND	ND	
	02/11/91	ND	ND	ND	ND	ND	
	05/06/91	ND	ND	ND	ND	ND	
	08/28/91	ND	ND	ND	ND	ND	
	11/13/91	ND	ND	ND	ND	ND	
	02/25/92	ND	ND	ND	ND	ND	
	05/12/92	----- Well Sampled Semi-Annually -----					
	08/12/92	ND	ND	ND	ND	ND	
11/10/92	----- Well Sampled Semi-Annually -----						

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-10	03/02/89	1,000	140	36	ND	77
	04/04/89	3,300	760	240	46	630
	05/01/89	680	99	24	8.1	32
	06/01/89	1,400	120	39	ND	45
	06/29/89	1,300	51	1.4	6.1	91
	08/09/89	860	310	26	45	82
	09/07/89	390	55	2.9	4.0	18
	10/10/89	460	85	7.6	10	45
	10/26/89	270	20	1.4	3.5	9.3
	12/20/89	ND	5.7	ND	ND	ND
	01/18/90	NA	NA	NA	NA	NA
	06/90	-----Well Destroyed-----				
MW-11	03/02/89	ND	ND	ND	ND	ND
	04/04/89	ND	ND	ND	ND	ND
	05/01/89	ND	ND	ND	ND	ND
	11/20/90	ND	ND	ND	ND	ND
	05/31/89	ND	ND	ND	ND	ND
	06/28/89	ND	ND	ND	ND	ND
	08/08/89	ND	ND	ND	ND	ND
	09/07/89	ND	ND	ND	ND	ND
	10/09/89	ND	ND	ND	ND	ND
	10/24/89	ND	ND	ND	ND	ND
	12/20/89	ND	ND	ND	ND	ND
	01/18/90	ND	ND	ND	ND	ND
	02/26/90	ND	ND	ND	ND	ND
	06/04/90	ND	ND	ND	ND	ND
	11/20/90	ND	ND	ND	ND	ND
	02/11/91	ND	ND	ND	ND	ND
	05/06/91	ND	ND	ND	ND	ND
	08/28/91	ND	ND	ND	ND	1
	11/15/91	ND	ND	ND	ND	ND
	02/25/92	ND	ND	ND	ND	ND
05/12/92	-----Well Sampled Semi-Annually-----					
08/12/92	ND	ND	ND	ND	ND	
11/10/92	-----Well Sampled Semi-Annually-----					
MW-12	03/02/89	ND	ND	ND	ND	ND
	04/04/89	ND	ND	ND	ND	ND
	05/01/89	ND	ND	ND	ND	ND
	06/01/89	ND	ND	ND	ND	ND

Table 2 (continued)
Groundwater Analytical Data
 Total Petroleum Hydrocarbons
 (TPH as Gasoline and BTEX Compounds)

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-12 (cont.)	06/29/89	ND	ND	ND	ND	ND
	08/09/89	ND	ND	ND	ND	ND
	09/07/89	ND	ND	ND	ND	ND
	10/09/89	ND	ND	ND	ND	ND
	10/24/89	ND	ND	ND	ND	ND
	12/20/89	ND	ND	ND	ND	ND
	01/18/90	ND	ND	ND	ND	ND
	02/26/90	ND	ND	ND	ND	ND
	06/04/90	ND	ND	ND	ND	ND
	11/20/90	ND	ND	ND	ND	ND
	02/12/91	ND	ND	ND	ND	ND
	05/06/91	ND	ND	ND	ND	ND
	08/28/91	ND	ND	ND	ND	1
	11/13/91	ND	ND	ND	ND	ND
	02/25/92	ND	ND	ND	ND	ND
05/12/92	----- Well Removed from Sampling Program -----					
MW-13	05/06/91	1,100	430	30	41	130
	08/28/91	1,000	350	6.4	44	43
	11/13/91	680	320	5.6	38	17
	02/25/92	780	260	3.5	26	15
	05/12/92	660	210	3.5	26	5.8
	08/12/92	400	140	9.6	21	23
	11/10/92	60	220	2.9	23	11
RW-1	12/09/89	6,800	740	5	11	37
	01/13/89	10,000	3,200	27	60	ND
	02/10/89	6,000	2,800	ND	ND	ND
	03/02/89	3,900	2,400	ND	ND	ND
	04/05/89	1,700	1,000	ND	9	ND
	05/01/89	900	390	5	10	ND
	06/01/89	1,100	1.4	3.3	ND	13
	6/30/89	1,400	ND	ND	ND	ND
	08/09/89	7,500	1,700	210	280	300
	09/11/89	97	1.7	2.1	2.3	14
	10/10/89	1,400	48	4.5	ND	3
	10/25/89	820	51	1.2	25	3
	12/21/89	490	16	1	8.5	19
01/17/90	ND	27	1.7	14	1.6	

Table 2 (continued)
Groundwater Analytical Data
 Total Petroleum Hydrocarbons
 (TPH as Gasoline and BTEX Compounds)

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
RW-1 (cont.)	02/23/90	420	42	1.8	13	2.7
	06/04/90	180	23	0.7	5.3	1.2
	11/20/90	1,900	170	52	29	38
	02/11/91	NS	NS	NS	NS	NS
ppb = Parts per billion ND = Not detected NA = Not analyzed NR = Not requested NS = Not sampled (D) = Duplicate sample See certified analytical results for detection limits.						

**Table 3
Field Purging and Sampling Data**

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Sample Date: November 10, 1992

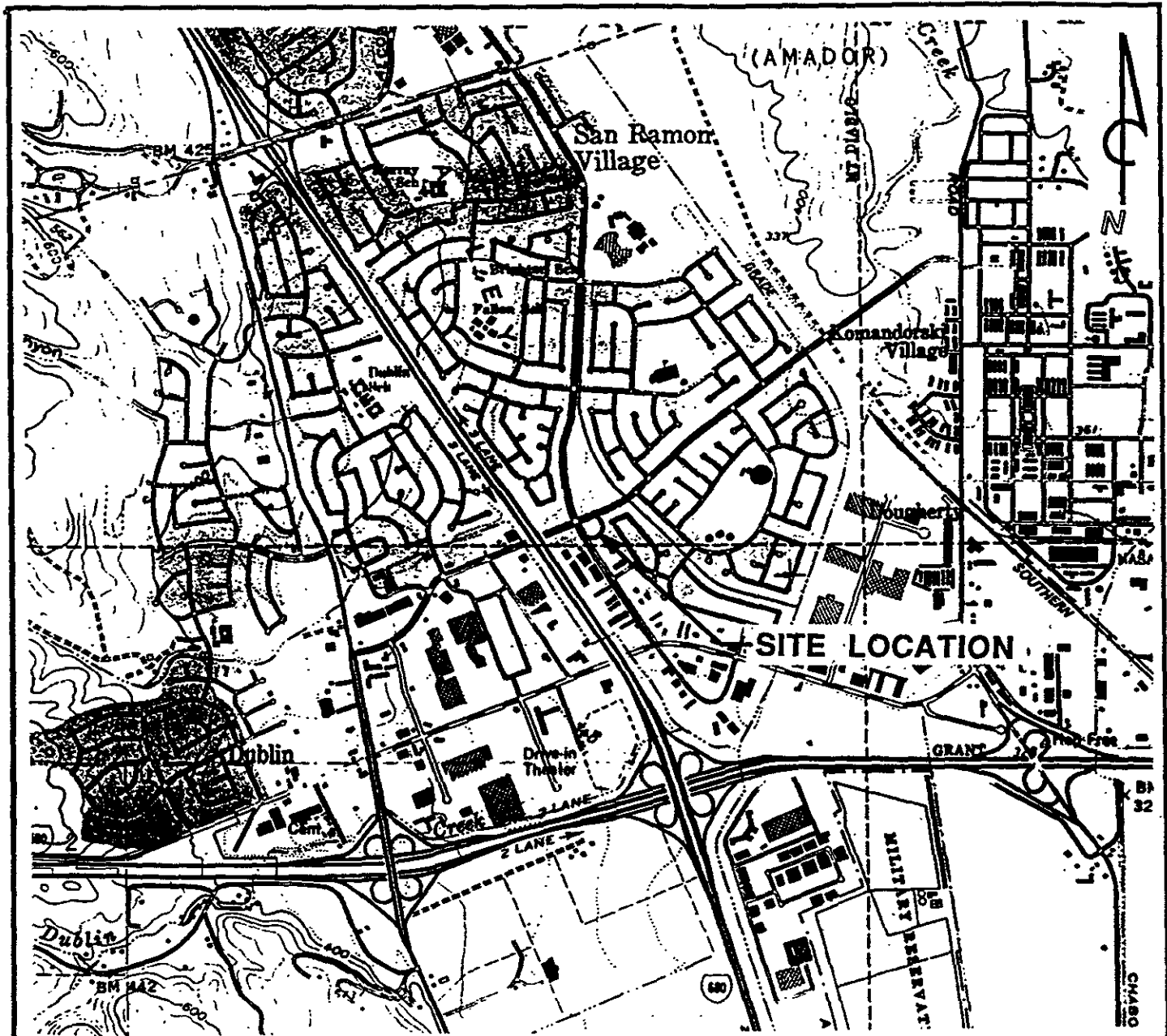
Depth of Well	Depth to Water (feet)	Depth to Liquid (feet)	pH	Temperature (°F)	Conductivity	Turbidity (NTU)	Purge Volumes (gallons)	Time of Purging	Time of Sampling
Well MW-1									
25.1	10.10	-	6.96	65.2	1568	Light	10.0	13:18	13:38
			6.95	67.2	1739	Light	20.0	13:24	
			7.01	67.0	1908	Light	29.5	13:31	
Purge Method: Bailer					Sample Method: Bailer				
Well MW-2									
24.4	12.19	-	6.70	66.0	8370	22.4	8.0	14:13	14:30
			6.73	66.8	8460	46.3	16.0	14:18	
			6.68	67.7	8520	24.6	NA	14:35	
Purge Method: Bailer Note: Well dried at 17.5 gallons					Sample Method: Bailer				
Well MW-3									
24.3	11.84	-	7.00	71.5	3250	19.7	8.5	14:17	14:31
			6.80	69.4	3220	16.5	16.5	14:23	
			6.88	69.1	3160	29.2	24.5	14:30	
Purge Method: Bailer					Sample Method: Bailer				
Well MW-5									
44.7	9.68	-	7.13	63.0	5340	>1000	23.0	12:40	13:00
			7.09	63.8	5410	>1000	Rechg.	12:59	
Purge Method: Bailer Note: Well MW-6 dry at 27.0 gallons					Sample Method: Bailer				

Table 3 (continued)
Field Purging and Sampling Data

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Sample Date: November 10, 1992

Depth of Well	Depth to Water (feet)	Depth to Liquid (feet)	pH	Temperature (°F)	Conductivity	Turbidity (NTU)	Purge Volumes (gallons)	Time of Purging	Time of Sampling
Well MW-6									
22.9	10.56	-	6.82	68.4	3770	246	8.5	13:06	13:24
			6.86	67.6	3700	238	16.5	13:13	
			6.95	66.6	3610		24.5	13:22	
Purge Method: Bailer					Sample Method: Bailer				
Well MW-13									
17.0	10.69	-	6.69	67.6	3980	172	4.5	12:25	12:36
			6.77	67.8	3800	174	8.5	12:30	
			6.85	68.5	3430	581	12.5	12:34	
Purge Method: Bailer					Sample Method: Bailer				
NTU = Nephelometric turbidity unit									

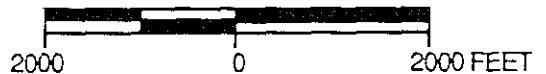


QUADRANGLE
LOCATION

REFERENCES:

USGS 7.5 MIN. TOPOGRAPHIC MAP
TITLED: DUBLIN, CALIFORNIA
DATED: 1961 REVISED: 1980

SCALE



PACIFIC
ENVIRONMENTAL
GROUP, INC.

FORMER SHELL SERVICE STATION
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

SITE LOCATION MAP

FIGURE:
1
PROJECT:
305-87.01



AMADOR VALLEY BOULEVARD

VILLAGE PARKWAY

FORMER UNDERGROUND STORAGE TANK COMPLEX

MW-6
350/23

PLANTER

MW-1
120/13

MW-5
ND/ND

RW-1 *
NS

MW-12 *
NS

FORMER PRODUCT ISLANDS (TYP)

BUILDING

MW-11
NS

BUILDING

MW-2
56/4.5

BUILDING

MW-3
130/27

MW-4
NS

PLANTER

MW-10

MW-13
60/220

BUILDING

FORMER UNDERGROUND FUEL STORAGE TANK COMPLEX

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER PRODUCT ISLAND

MW-9
NS

MW-8
NS

FORMER DAIRY

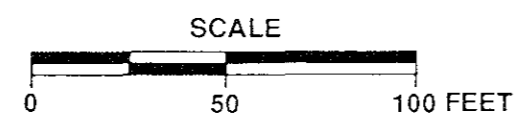
BUILDING

LEGEND

- MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- RW-1 ● GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
- MW-10 ∅ DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- 110/6.8** TPH-g/BENZENE CONCENTRATION IN GROUNDWATER, IN PARTS PER BILLION (ppb), 11-10-92
- 10** BENZENE ISOCONCENTRATION CONTOUR IN ppb, 11-10-92
- ND** NOT DETECTED
- NS** NOT SAMPLED (DUE TO SEMI-ANNUAL SAMPLING PROGRAM FREQUENCY)
- MW-12 * WELL NOT SAMPLED



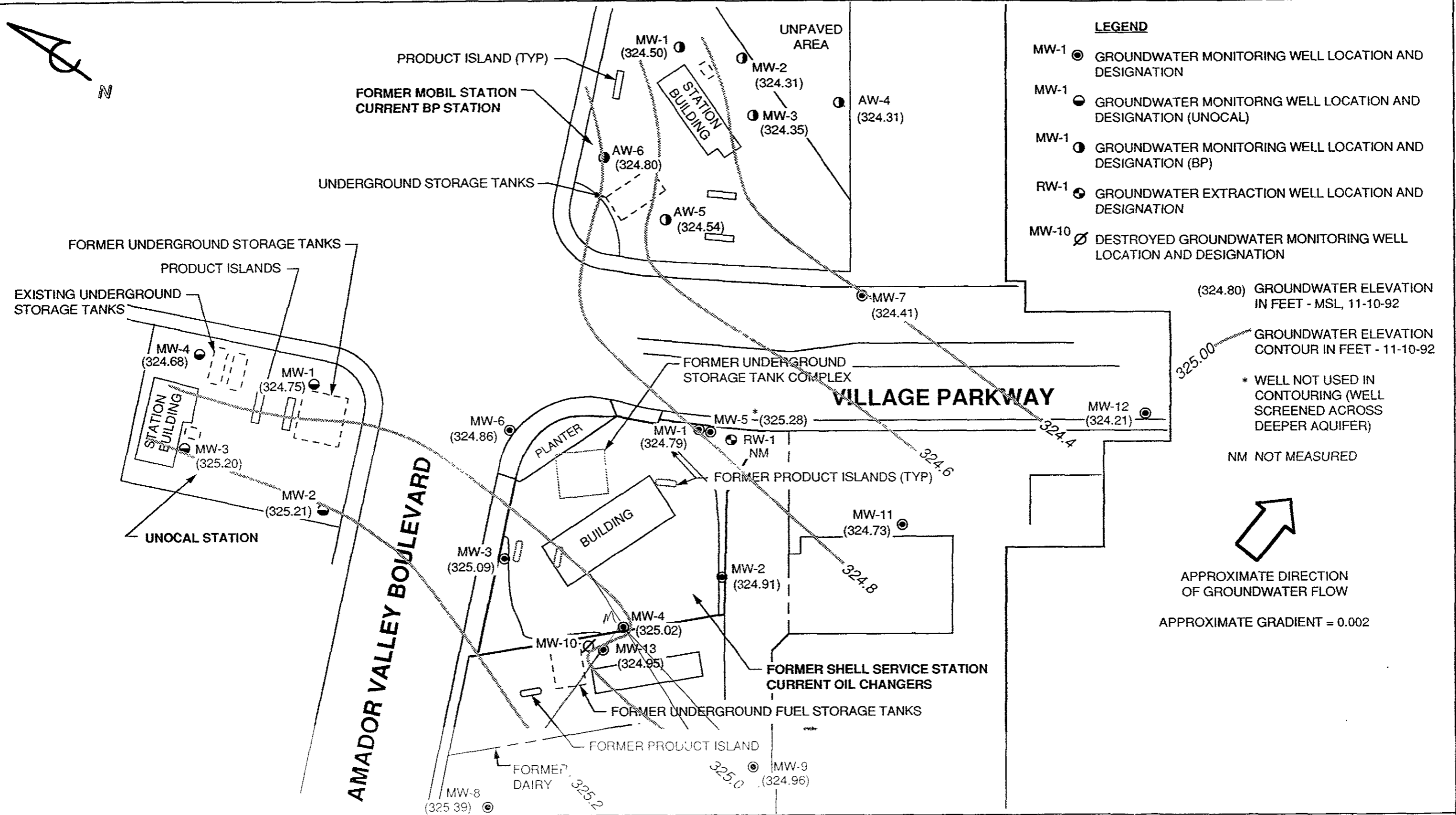
PACIFIC ENVIRONMENTAL GROUP, INC.



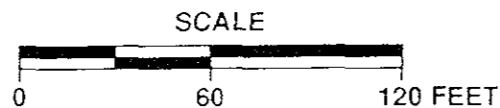
FORMER SHELL SERVICE STATION
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

TPH-g/BENZENE CONCENTRATION MAP

FIGURE 3
PROJECT 305-87 01



PACIFIC ENVIRONMENTAL GROUP, INC.

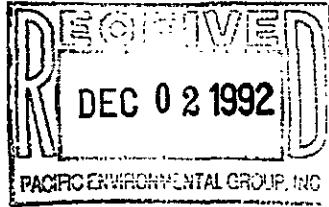


FORMER SHELL SERVICE STATION
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

GROUNDWATER ELEVATION CONTOUR MAP

FIGURE 2
PROJECT 305-87 01

ATTACHMENT A
GROUNDWATER SAMPLING REPORT



November 30, 1992
Project: 0G67-066.01
WIC#: 204-2217-0105

Ms. Rhonda Barrick
Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, California 95110

Re: Fourth quarter 1992 ground-water monitoring report, Shell Oil
Company, 7194 Amador Valley Boulevard, Dublin, California

Dear Ms. Barrick:

This letter presents the results of the fourth quarter 1992 ground-water monitoring event for the Shell Oil Company (Shell) site located at 7194 Amador Valley Boulevard, Dublin, California (figure 1). Fourth quarter monitoring was conducted on November 10, 1992. The site is monitored quarterly; selected wells are sampled semiannually in February and August. Well MW-12 is not sampled for chemical analysis.

GROUND-WATER LEVEL SURVEY

A water-level survey preceded the purging and sampling of the monitoring wells. The wells included in the survey are identified in figure 2 (supplied by Pacific Environmental Group, Inc.). During the survey, wells MW-1 through MW-9, MW-11, MW-12, and MW-13 were measured for depth to water, floating product thickness, and total depth. Depth to water and floating product thickness were measured to the nearest 0.01 foot with an oil/water interface probe. No floating product was observed in any wells. Total depth was measured to the nearest 0.1 foot. Results of the fourth quarter water-level survey, and available data from four previous surveys, are summarized in table 1.

SAMPLING AND ANALYSIS

Ground-water samples were collected from wells MW-1, MW-2, MW-3, MW-5, MW-6, and MW-13 on November 10, 1992. Prior to sample collection, the wells were purged with polyvinyl chloride bailers. During the purging operation, ground water was monitored for pH, electrical conductivity, and temperature as a function of volume of water removed. Purging continued until these parameters were stable and a minimum of three casing volumes of ground water were removed. Wells MW-2 and MW-5 were evacuated to dryness before the removal of three casing volumes. The wells were allowed to recharge for up to 24 hours. Samples were collected after the wells had recharged to a sufficient level. Field

0G6706601D DOC



measurements from fourth quarter monitoring, and available measurements from four previous monitoring events, are summarized in table 1. Purge water from the monitoring wells was contained in 55-gallon drums. The drums were identified with Shell-approved labels and secured for on-site storage.

Ground-water samples were collected with a Teflon® bailer, labeled, placed on ice, and transported to Anametrix Inc. for analysis. Shell chain-of-custody documents accompanied all samples to the laboratory.

All equipment that was placed down a well or that came in contact with ground water was steam cleaned with deionized water prior to use at each well.

Quality control samples for fourth quarter monitoring included a trip blank (TB), a field blank (FB), and a duplicate well sample (MW-3D) collected from well MW-3. All water samples collected during fourth quarter monitoring were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), and benzene, toluene, ethylbenzene, and total xylenes (BTEX).

ANALYTICAL RESULTS

Analytical results for the fourth quarter 1992 monitoring event, and available results from four previous monitoring events, are summarized in table 2. The original certified analytical report and final chain-of-custody document are attached.

If you have any questions, please call.

Very truly yours,

EMCON Associates



David Larsen
Environmental Sampling Coordinator



Orrin Childs
Environmental Sampling Supervisor

DL/OC:dl

Attachments: Table 1 - Monitoring well field measurement data
Table 2 - Summary of analytical results
Figure 1 - Site location
Figure 2 - Monitoring well locations
Certified analytical report
Chain-of-custody document

Table 1
Monitoring Well Field Measurement Data
Fourth Quarter 1992

Shell Station: 7194 Amador Valley Boulevard
 Dublin, California
 WIC # 204-2217-0105

Date: 11/27/92
 Project Number: Q87-68.01

Well Designation	Water Level Field Date	TOC Elevation (ft-MSL)	Depth to Water (feet)	Ground-water Elevation (ft-MSL)	Total Well Depth (feet)	Floating Product Thickness (feet)	Water Sample Field Date	pH (std. units)	Electrical Conductivity (micromhos/cm)	Temperature (degrees F)	Turbidity (NTU)
MW-1	08/28/91	334.83	9.28	325.55	25.26	NR	08/28/91	6.21	490	24*	NR
MW-1	02/25/92	334.83	7.49	327.34	25.1	ND	02/25/92	6.84	1873	69.3	>200
MW-1	05/12/92	334.83	8.64	326.19	25.1	ND	05/12/92	6.98	2100	64.4	>1000
MW-1	08/12/92	334.83	9.15	325.68	25.1	ND	08/12/92	7.33	1505	68.3	304
MW-1	11/10/92	334.83	10.04	324.79	25.1	ND	11/10/92	7.01	1908	67.0	70.4
MW-2	08/28/91	336.96	11.16	325.80	24.63	NR	08/28/91	6.83	2380	23*	NR
MW-2	02/25/92	336.96	9.66	327.30	24.5	ND	02/25/92	6.68	8810	67.1	>200
MW-2	05/12/92	336.96	10.97	325.99	24.5	ND	05/12/92	6.89	6320	68.7	153
MW-2	08/12/92	336.96	11.58	325.38	20.1	ND	08/12/92	6.70	8650	69.8	>200
MW-2	11/10/92	336.96	12.05	324.91	24.4	ND	11/10/92	6.68	8520	67.7	24.6
MW-3	08/28/91	336.93	10.90	326.03	24.35	NR	08/28/91	6.16	1220	23*	NR
MW-3	02/25/92	336.93	9.04	327.89	24.3	ND	02/25/92	6.87	3030	65.3	>200
MW-3	05/12/92	336.93	10.50	326.43	24.3	ND	05/12/92	6.87	2690	67.4	78.7
MW-3	08/12/92	336.93	10.94	325.99	24.2	ND	08/12/92	7.05	3090	70.2	295
MW-3	11/10/92	336.93	11.84	325.09	24.3	ND	11/10/92	6.88	3160	69.1	292
MW-4	08/28/91	337.14	11.18	325.96	24.87	NR	08/28/91	7.04	1880	24*	NR
MW-4	02/25/92	337.14	9.45	327.69	24.8	ND	02/25/92	6.79	6300	63.7	>200
MW-4	05/12/92	337.14	10.84	326.30	24.8	ND	05/12/92	NA	NA	NA	NA
MW-4	08/12/92	337.14	11.36	325.78	24.8	ND	08/12/92	6.79	6260	67.4	>200
MW-4	11/10/92	337.14	12.12	325.02	24.8	ND	11/10/92	NA	NA	NA	NA

TOC = top of casing

ft-MSL = elevation in feet, relative to mean sea level

std. units = standard pH units

micromhos/cm = micromhos per centimeter

degrees F = degrees Fahrenheit

NTU = nephelometric turbidity units

NR = Not reported; data not available

* = Temperature measured in degrees centigrade

ND = None detected

NA = Not analyzed; well was not sampled for chemical analysis

Table 1
Monitoring Well Field Measurement Data
Fourth Quarter 1992

Shell Station 7194 Amador Valley Boulevard
Dublin, California
WIC #: 204-2217-0105

Date: 11/27/92
Project Number: G67-66.01

Well Design- nation	Water Level Field Date	TOC Elevation (ft-MSL)	Depth to Water (feet)	Ground- water Elevation (ft-MSL)	Total Well Depth (feet)	Floating Product Thickness (feet)	Water Sample Field Date	pH (std. units)	Electrical Conductivity (micromhos/cm)	Temperature (degrees F)	Turbidity (NTU)
MW-5	08/28/91	334.96	9.28	325.68	44.84	NR	08/28/91	6.65	1520	23*	NR
MW-5	02/25/92	334.96	9.02	325.94	44.8	ND	02/25/92	7.10	6220	64.9	>200
MW-5	05/12/92	334.96	8.65	326.31	44.8	ND	05/12/92	6.48	4690	67.9	>1000
MW-5	08/12/92	334.96	9.40	325.56	44.7	ND	08/12/92	7.25	5400	68.6	188
MW-5	11/10/92	334.96	9.68	325.28	44.7	ND	11/10/92	7.09	5410	63.8	>1000
MW-6	08/28/91	335.42	9.68	325.74	22.95	NR	08/28/91	6.52	1220	23*	NR
MW-6	02/25/92	335.42	8.44	326.98	23.4	ND	02/25/92	6.82	5090	66.9	>200
MW-6	05/12/92	335.42	9.11	326.31	22.9	ND	05/12/92	6.82	3590	67.4	323
MW-6	08/12/92	335.42	9.72	325.70	22.9	ND	08/12/92	7.01	4160	72.0	206
MW-6	11/10/92	335.42	10.56	324.86	22.9	ND	11/10/92	6.95	3610	66.6	238
MW-7	08/28/91	333.23	7.94	325.29	16.32	NR	02/28/91	7.95	1890	25*	NR
MW-7	02/25/92	333.23	6.99	326.24	16.2	ND	02/25/92	7.04	6010	79.4	>200
MW-7	05/12/92	333.23	7.42	325.81	16.5	ND	05/12/92	NA	NA	NA	NA
MW-7	08/12/92	333.23	8.65	324.58	16.5	ND	08/12/92	6.80	5800	69.9	262
MW-7	11/10/92	333.23	8.82	324.41	16.5	ND	11/10/92	NA	NA	NA	NA
MW-8	08/28/91	335.80	9.68	326.12	16.25	NR	08/28/91	6.35	1940	25*	NR
MW-8	02/25/92	335.80	7.45	328.35	16.2	ND	02/25/92	6.75	6640	67.7	>200
MW-8	05/12/92	335.80	9.19	326.61	16.2	ND	05/12/92	NA	NA	NA	NA
MW-8	08/12/92	335.80	9.82	325.98	16.2	ND	08/12/92	6.81	6570	72.8	301
MW-8	11/10/92	335.80	10.41	325.39	16.2	ND	11/10/92	NA	NA	NA	NA

TOC = top of casing

ft-MSL = elevation in feet, relative to mean sea level

std. units = standard pH units

micromhos/cm = micromhos per centimeter

degrees F = degrees Fahrenheit

NTU = nephelometric turbidity units

NR = Not reported; data not available

* = Temperature measured in degrees centigrade

ND = None detected

NA = Not analyzed; well was not sampled for chemical analysis

Table 1
Monitoring Well Field Measurement Data
Fourth Quarter 1992

Shell Station: 7194 Amador Valley Boulevard
 Dublin, California
 WIC # 204-2217-0105

Date: 11/27/92
 Project Number: G67-66.01

Well Desig- nation	Water Level Field Date	TOC Elevation (ft-MSL)	Depth to Water (feet)	Ground- water Elevation (ft-MSL)	Total Well Depth (feet)	Floating Product Thickness (feet)	Water Sample Field Date	pH (std. units)	Electrical Conductivity (micromhos/cm)	Temperature (degrees F)	Turbidity (NTU)
MW-9	08/28/91	334.57	10.34	324.23	17.93	NR	08/28/91	7.00	2210	24*	NR
MW-9	02/25/92	334.57	7.18	327.39	17.9	ND	02/25/92	6.79	7600	68.6	>200
MW-9	05/12/92	334.57	8.54	326.03	17.9	ND	05/12/92	NA	NA	NA	NA
MW-9	08/12/92	334.57	8.97	325.60	17.8	ND	08/12/92	6.91	6700	72.2	179
MW-9	11/10/92	334.57	9.61	324.96	17.8	ND	11/10/92	NA	NA	NA	NA
MW-11	08/28/91	334.20	8.82	325.58	NR	NR	02/28/91	NR	NR	NR	NR
MW-11	02/25/92	334.20	7.21	326.99	16.4	ND	02/25/92	6.77	8870	69.2	>200
MW-11	05/12/92	334.20	8.26	325.94	16.5	ND	05/12/92	NA	NA	NA	NA
MW-11	08/12/92	334.20	8.75	325.45	16.4	ND	08/12/92	6.87	7720	71.3	413
MW-11	11/10/92	334.20	9.47	324.73	16.4	ND	11/10/92	NA	NA	NA	NA
MW-12	08/28/91	332.53	7.79	324.74	17.15	NR	08/28/91	6.15	970	22*	NR
MW-12	02/25/92	332.53	6.14	326.39	17.2	ND	02/25/92	6.98	2890	67.3	<200
MW-12	05/12/92	332.53	7.54	324.99	17.2	ND	05/12/92	NA	NA	NA	NA
MW-12	08/12/92	332.53	9.83	322.70	17.1	ND	08/12/92	NA	NA	NA	NA
MW-12	11/10/92	332.53	8.32	324.21	17.1	ND	11/10/92	NA	NA	NA	NA
MW-13	08/28/91	335.64	9.82	325.82	17.13	NR	08/28/91	6.47	1380	22*	NR
MW-13	02/25/92	335.64	7.66	327.98	17.0	ND	02/25/92	6.88	5352	64.3	>200
MW-13	05/12/92	335.64	9.16	326.48	17.1	ND	05/12/92	6.98	3170	65.1	881
MW-13	08/12/92	335.64	10.91	324.73	17.0	ND	08/12/92	6.82	3460	68.6	168
MW-13	11/10/92	335.64	10.69	324.95	17.0	ND	11/10/92	6.85	3430	68.5	581

TOC = top of casing

ft-MSL = elevation in feet, relative to mean sea level

std. units = standard pH units

micromhos/cm = micromhos per centimeter

degrees F = degrees Fahrenheit

NTU = nephelometric turbidity units

NR = Not reported; data not available

* = Temperature measured in degrees centigrade

ND = None detected

NA = Not analyzed; well was not sampled for chemical analysis

Table 2
Summary of Analytical Results
Fourth Quarter 1992
 milligrams per liter (mg/l) or parts per million (ppm)

Shell Station 7194 Amador Valley Boulevard
 Dublin, California
 WIC # 204-2217-0105

Date: 11/27/92
 Project Number: G67-68.01

Sample Designation	Water Sample Field Date	TPH-g	Benzene	Toluene	Ethyl- benzene	Total Xylenes
		(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
MW-1	08/28/91	0.45	0.041	0.016	0.024	0.034
MW-1	02/25/92	0.24	0.024	0.0092	0.014	0.020
MW-1	05/12/92	0.32	0.060	0.025	0.029	0.041
MW-1	08/12/92	0.23	0.026	0.016	0.020	0.025
MW-1	11/10/92	0.12	0.013	0.0088	0.0090	0.013
MW-2	08/28/91	0.10	0.0083	<0.0005	0.001	0.0011
MW-2	02/25/92	<0.05	0.0038	<0.0005	<0.0005	<0.0005
MW-2	05/12/92	<0.05	0.0060	<0.0005	<0.0005	<0.0005
MW-2	08/12/92	0.11	0.0068	<0.0005	0.0010	<0.0005
MW-2	11/10/92	0.056	0.0045	<0.0005	<0.0005	<0.0005
MW-3	08/28/91	0.34	0.087	0.0011	0.0065	0.0038
MW-3	02/25/92	0.08	0.017	<0.0005	<0.0005	<0.0005
MW-3	05/12/92	0.074	0.031	<0.0005	0.0026	<0.0005
MW-3	08/12/92	0.16	0.024	0.0005	0.0029	<0.0005
MW-3	11/10/92	0.13	0.027	<0.0005	0.0011	0.0009
MW-3D	11/10/92	0.11	0.0026	<0.0005	0.0011	0.0007
MW-4	08/28/91	0.09	0.013	<0.0005	0.001	0.0011
MW-4	02/25/92	0.12	0.047	<0.0005	0.0005	0.0007
MW-4	05/12/92	NA	NA	NA	NA	NA
MW-4	08/12/92	<0.05	0.0035	<0.0005	<0.0005	<0.0005
MW-4	11/10/92	NA	NA	NA	NA	NA

TPH-g = total petroleum hydrocarbons as gasoline

NA = Not analyzed; well was not sampled for chemical analysis

Table 2
 Summary of Analytical Results
 Fourth Quarter 1992
 milligrams per liter (mg/l) or parts per million (ppm)

Shell Station: 7194 Amador Valley Boulevard
 Dublin, California
 WIC #: 204-2217-0105

Date: 11/27/92
 Project Number: G67-66.01

Sample Design- nation	Water Sample Field Date	TPH-g	Benzene	Toluene	Ethyl- benzene	Total Xylenes
		(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
MW-5	08/28/91	<0.05	<0.0005	<0.0005	<0.0005	0.001
MW-5	02/25/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-5	05/12/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-5	08/12/92	0.056	0.0005	<0.0005	<0.0005	<0.0005
MW-5	11/10/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-6	08/28/91	0.58	0.082	0.0076	0.028	0.0200
MW-6	02/25/92	0.40	0.052	0.0066	0.018	0.011
MW-6	05/12/92	0.95	0.26	0.036	0.012	0.049
MW-6	08/12/92	0.66	0.090	0.015	0.055	0.018
MW-6	11/10/92	0.35	0.023	0.0037	0.015	0.0068
MW-7	02/28/91	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-7	02/25/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-7	05/12/92	NA	NA	NA	NA	NA
MW-7	08/12/92	0.052	0.0008	0.0009	<0.0005	<0.0005
MW-7	11/10/92	NA	NA	NA	NA	NA
MW-8	08/28/91	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-8	02/25/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-8	05/12/92	NA	NA	NA	NA	NA
MW-8	08/12/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-8	11/10/92	NA	NA	NA	NA	NA

TPH-g = total petroleum hydrocarbons as gasoline

NA = Not analyzed, well was not sampled for chemical analysis

Table 2
 Summary of Analytical Results
 Fourth Quarter 1992
 milligrams per liter (mg/l) or parts per million (ppm)

Shell Station, 7194 Amador Valley Boulevard
 Dublin, California
 WIC # 204-2217-0105

Date: 11/27/92
 Project Number: G67-66.01

Sample Designation	Water Sample Field Date	TPH-g (mg/l)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)
MW-9	08/28/91	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-9	02/25/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-9	05/12/92	NA	NA	NA	NA	NA
MW-9	08/12/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-9	11/10/92	NA	NA	NA	NA	NA
MW-11	02/28/91	<0.05	<0.0005	<0.0005	<0.0005	<0.001
MW-11	02/25/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-11	05/12/92	NA	NA	NA	NA	NA
MW-11	08/12/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-11	11/10/92	NA	NA	NA	NA	NA
MW-12	08/28/91	<0.05	<0.0005	<0.0005	<0.0005	0.001
MW-12	02/25/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW-12	05/12/92	NA	NA	NA	NA	NA
MW-12	08/12/92	NA	NA	NA	NA	NA
MW-12	11/10/92	NA	NA	NA	NA	NA
MW-13	08/28/91	1.0	0.35	0.0064	0.044	0.043
MW-13	02/25/92	0.78	0.26	0.0035	0.026	0.015
MW-13	05/12/92	0.66	0.21	0.0035	0.026	0.0058
MW-13	08/12/92	0.40	0.14	0.0096	0.021	0.023
MW-13	11/10/92	0.060	0.22	0.0029	0.023	0.011
FB	08/12/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
FB	11/10/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005

TPH-g = total petroleum hydrocarbons as gasoline
 NA = Not analyzed, well was not sampled for chemical analysis

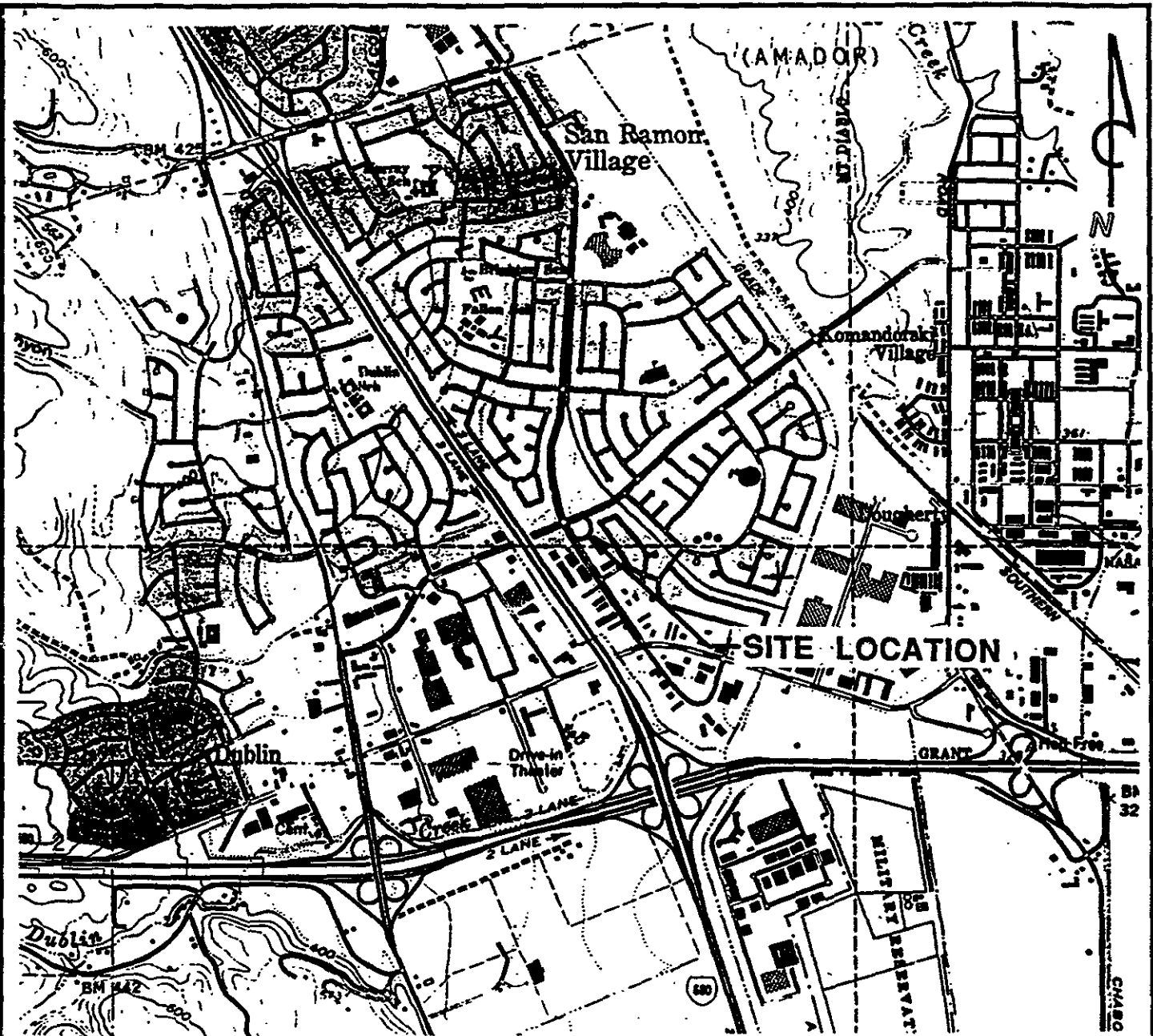
Table 2
Summary of Analytical Results
Fourth Quarter 1992
 milligrams per liter (mg/L) or parts per million (ppm)

Shell Station: 7194 Amador Valley Boulevard
 Dublin, California
 WIC # 204-2217-0105

Date: 11/27/92
 Project Number: G67-66.01

Sample Designation	Water Sample Field Date	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
TB	02/25/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
TB	05/12/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
TB	08/12/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
TB	11/10/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005

TPH-g = total petroleum hydrocarbons as gasoline

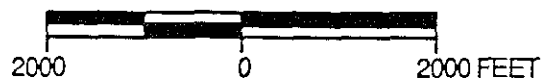


QUADRANGLE
LOCATION

REFERENCES:

USGS 7.5 MIN. TOPOGRAPHIC MAP
TITLED: DUBLIN, CALIFORNIA
DATED: 1961 REVISED: 1980

SCALE

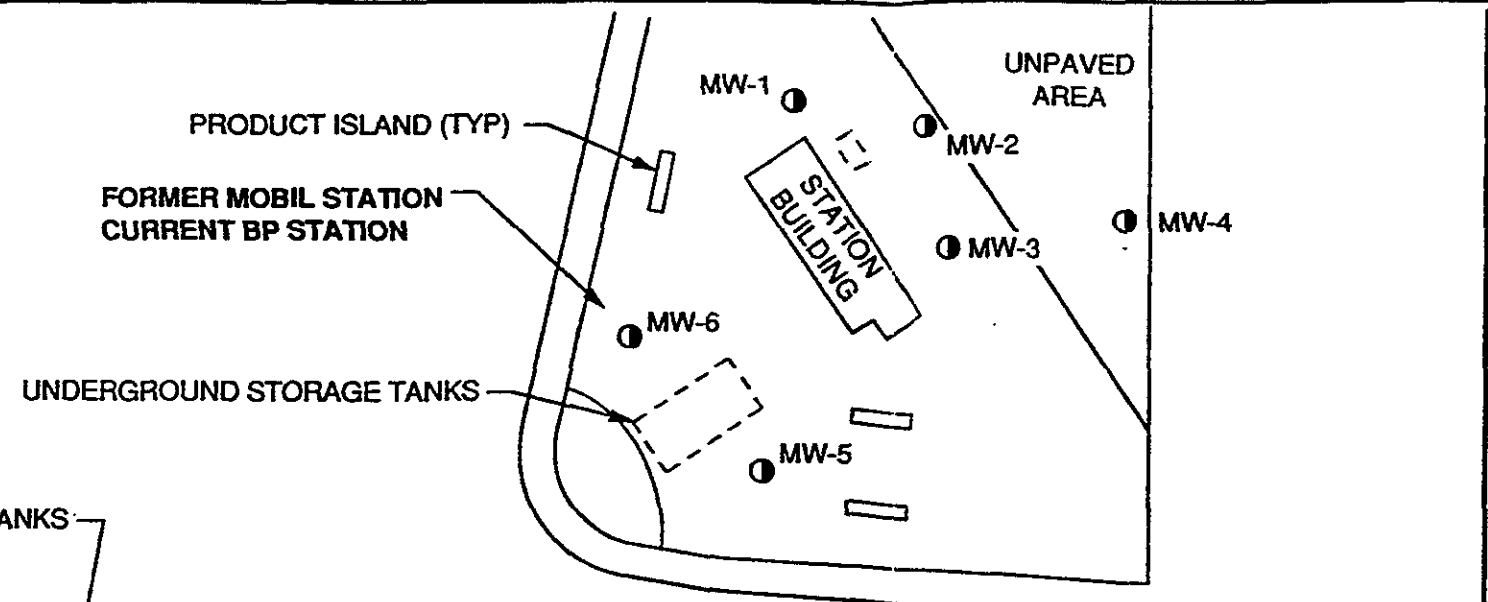
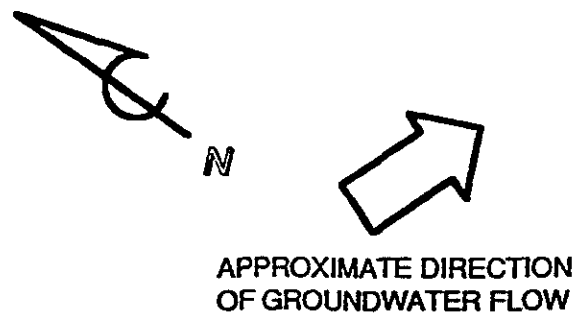


PACIFIC
ENVIRONMENTAL
GROUP, INC.

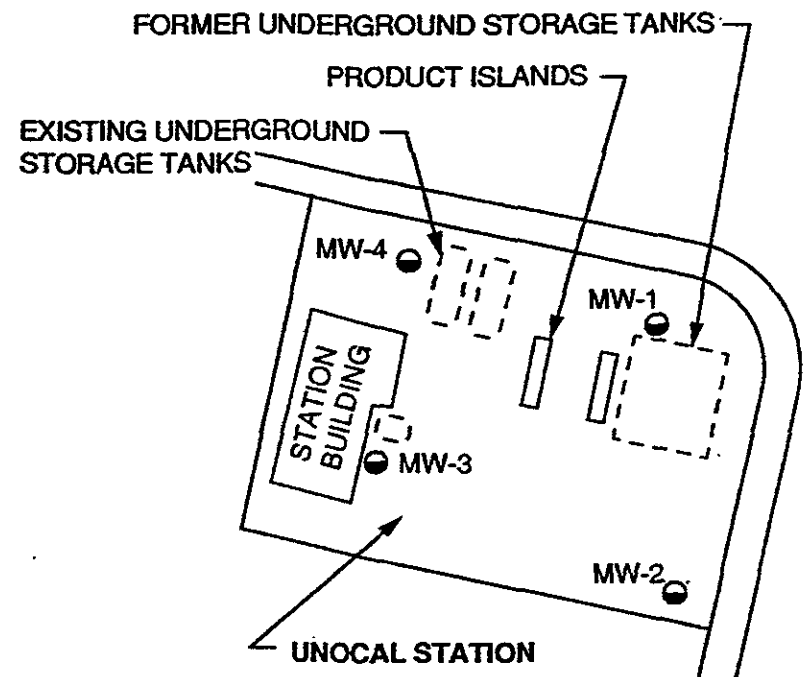
FORMER SHELL SERVICE STATION
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

SITE LOCATION MAP

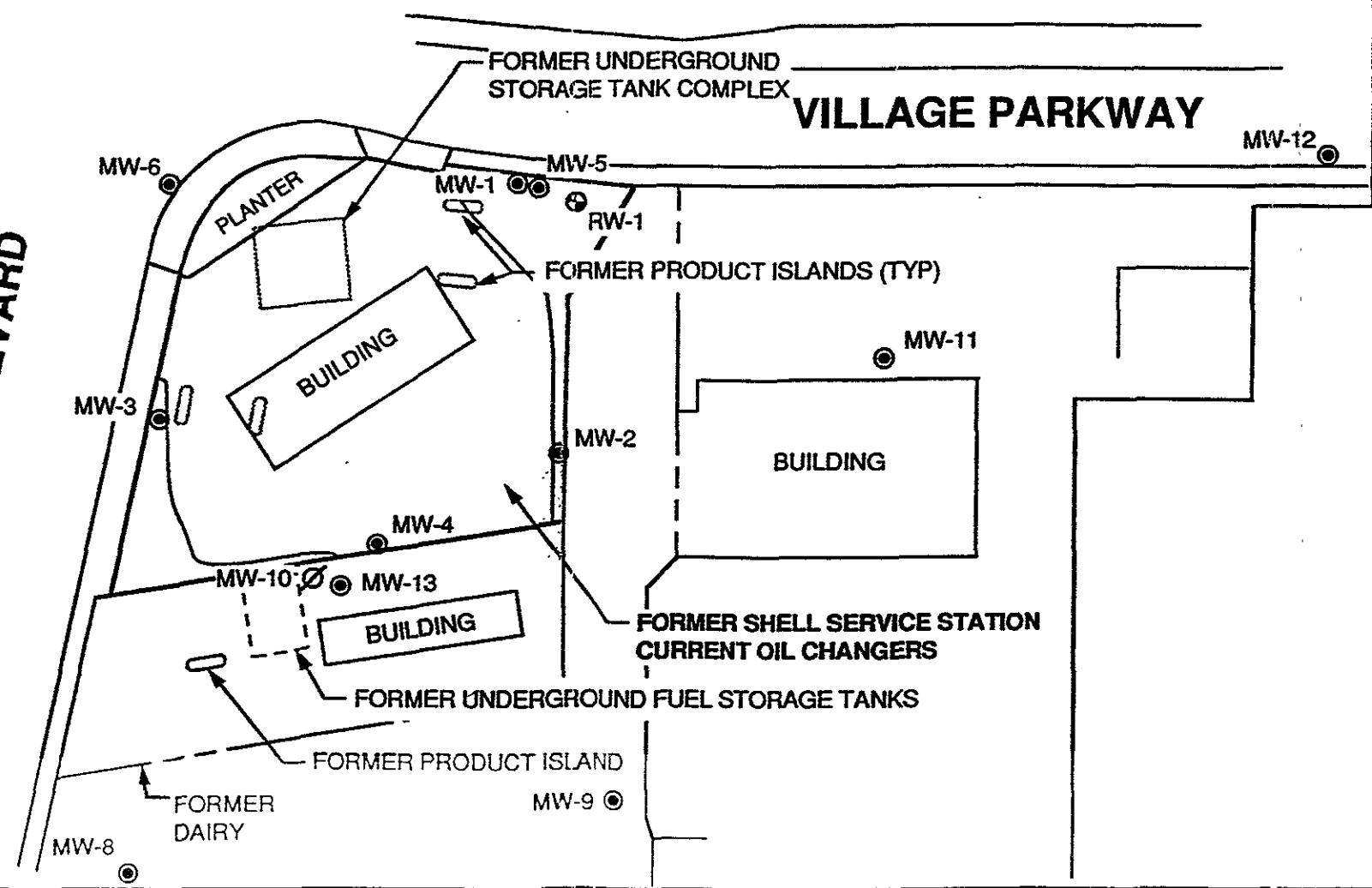
FIGURE:
1
PROJECT:
305-87.01



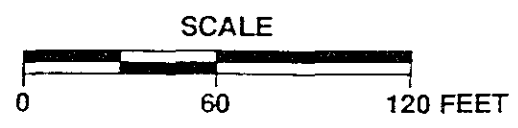
- LEGEND**
- MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
 - MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (UNOCAL)
 - MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (BP)
 - RW-1 ● GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
 - MW-10 ∅ DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION



AMADOR VALLEY BOULEVARD



- GROUNDWATER ELEVATION IN FEET - MSL, X-X-92
- GROUNDWATER ELEVATION CONTOUR IN FEET - X-X-92
- * NOT USED IN CONTOURING (WELL SCREENED ACROSS DEEPER AQUIFER)
- † WELL NOT MEASURED



FORMER SHELL SERVICE STATION
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

GROUNDWATER CONTOUR MAP

FIGURE:
 2
 PROJECT:
 305-87.01



MR. DAVID LARSEN
EMCON ASSOCIATES
1938 JUNCTION AVE.
SAN JOSE, CA 95131

Workorder # : 9211149
Date Received : 11/10/92
Project ID : 204-2217-0105
Purchase Order: MOH-B813

The following samples were received at Anamatrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9211149- 1	MW-5
9211149- 2	MW-13
9211149- 3	MW-6
9211149- 4	MW-1
9211149- 5	MW-3
9211149- 6	MW-2
9211149- 7	MW-3D
9211149- 8	TB
9211149- 9	FB

This report consists of 7 pages not including the cover letter, and is organized in sections according to the specific Anamatrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anamatrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anamatrix.

Sarah Schoen, Ph.D.
Laboratory Director

11-23-92
Date

EMCON ASSOCIATES

NOV 24 1992
RECEIVED

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. DAVID LARSEN
EMCON ASSOCIATES
1938 JUNCTION AVE.
SAN JOSE, CA 95131

Workorder # : 9211149
Date Received : 11/10/92
Project ID : 204-2217-0105
Purchase Order: MOH-B813
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9211149- 1	MW-5	WATER	11/10/92	TPHg/BTEX
9211149- 2	MW-13	WATER	11/10/92	TPHg/BTEX
9211149- 3	MW-6	WATER	11/10/92	TPHg/BTEX
9211149- 4	MW-1	WATER	11/10/92	TPHg/BTEX
9211149- 5	MW-3	WATER	11/10/92	TPHg/BTEX
9211149- 6	MW-2	WATER	11/10/92	TPHg/BTEX
9211149- 7	MW-3D	WATER	11/10/92	TPHg/BTEX
9211149- 8	TB	WATER	11/04/92	TPHg/BTEX
9211149- 9	FB	WATER	11/10/92	TPHg/BTEX

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. DAVID LARSEN
EMCON ASSOCIATES
1938 JUNCTION AVE.
SAN JOSE, CA 95131

Workorder # : 9211149
Date Received : 11/10/92
Project ID : 204-2217-0105
Purchase Order: MOH-B813
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Christ Bergman 11/20/92
Department Supervisor Date

Steve Lane 11/20/92
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9211149
Matrix : WATER
Date Sampled : 11/10/92

Project Number : 204-2217-0105
Date Released : 11/19/92

Reporting Limit	Sample I.D.# MW-5	Sample I.D.# MW-13	Sample I.D.# MW-6	Sample I.D.# MW-1	Sample I.D.# MW-3	
COMPOUNDS (mg/L)	-01	-02	-03	-04	-05	
Benzene	0.0005	ND	0.22	0.023	0.013	0.027
Toluene	0.0005	ND	0.0029	0.0037	0.0088	ND
Ethylbenzene	0.0005	ND	0.023	0.015	0.0090	0.0011
Total Xylenes	0.0005	ND	0.011	0.0068	0.013	0.0009
TPH as Gasoline	0.050	ND	0.060	0.35	0.12	0.13
% Surrogate Recovery	89%	83%	103%	77%	110%	
Instrument I.D.	HP21	HP21	HP21	HP21	HP21	
Date Analyzed	11/13/92	11/16/92	11/13/92	11/13/92	11/16/92	
RLMF	1	5	1	1	1	

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
- RLMF - Reporting Limit Multiplication Factor.

Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Charles Bunk 11/23/92
Analyst Date

Charles Bunk 11/23/92
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9211149
Matrix : WATER
Date Sampled : 11/04/92 & 11/10/92

Project Number : 204-2217-0105
Date Released : 11/19/92

Reporting Limit	Sample I.D.# MW-2	Sample I.D.# MW-3D	Sample I.D.# TB	Sample I.D.# FB	Sample I.D.# BN1301E2
COMPOUNDS (mg/L)	-06	-07	-08	-09	BLANK
Benzene	0.0005	0.0045	0.0026	ND	ND
Toluene	0.0005	ND	ND	ND	ND
Ethylbenzene	0.0005	ND	0.0011	ND	ND
Total Xylenes	0.0005	ND	0.0007	ND	ND
TPH as Gasoline	0.050	0.056	0.11	ND	ND
% Surrogate Recovery	100%	89%	106%	103%	117%
Instrument I.D.	HP21	HP21	HP21	HP21	HP21
Date Analyzed	11/14/92	11/14/92	11/13/92	11/13/92	11/13/92
RLMF	1	1	1	1	1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
- RLMF - Reporting Limit Multiplication Factor.

Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Mark Miller 11-23-92
Analyst Date

Cheryl Palmer 11/23/92
Supervisor Date

BTEX LABORATORY CONTROL SAMPLE REPORT
 EPA METHOD 5030 WITH GC/PID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: LAB CONTROL SAMPLE	Anamatrix I.D.:	LCSW1114
Matrix	: WATER	Analyst	: <i>JP</i>
Date Sampled	: N/A	Supervisor	: <i>CS</i>
Date Analyzed	: 11/14/92	Date Released	: 11/20/92
		Instrument ID	: HP21

COMPOUND	SPIKE AMT. (mg/L)	LCS (mg/L)	REC LCS	%REC LIMITS
Benzene	0.010	0.010	100%	49-159
Toluene	0.010	0.011	110%	53-156
Ethylbenzene	0.010	0.010	100%	54-151
TOTAL-Xylenes	0.010	0.011	110%	56-157
P-BFB			80%	53-147

* Limits established by Anamatrix, Inc.

TOTAL VOLATILE HYDROCARBON MATRIX SPIKE REPORT
 EPA METHOD 5030 WITH GC/FID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 204-2217-0105 MW-3D
 Matrix : WATER
 Date Sampled : 11/10/92
 Date Analyzed : 11/14/92

Anamatrix I.D. : 9211149-07
 Analyst : *AS*
 Supervisor : *CB*
 Date Released : 11/20/92
 Instrument I.D.: HP21

COMPOUND	SPIKE AMT (mg/L)	SAMPLE CONC (mg/L)	REC MS	%REC MS	REC MD (mg/L)	%REC MD	RPD	%REC LIMITS
BENZENE	0.010	0.026	0.037	110%	0.035	90%	-6%	49-159
TOLUENE	0.010	0.000	0.012	120%	0.0098	98%	-20%	53-156
ETHYLBENZENE	0.010	0.0011	0.012	109%	0.011	99%	-9%	54-151
TOTAL XYLENES	0.010	0.0007	0.015	143%	0.011	103%	-31%	56-157
p-BFB				83%		89%		53-147

* Quality control established by Anamatrix, Inc.

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
 (GASOLINE WITH BTEX)
 ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9211149
 Matrix : WATER
 Date Sampled : N/A

Project Number : 204-2217-0105
 Date Released : 11/19/92

COMPOUNDS	Reporting Limit (mg/L)	Sample I.D.# BN1601E2 BLANK
Benzene	0.0005	ND
Toluene	0.0005	ND
Ethylbenzene	0.0005	ND
Total Xylenes	0.0005	ND
TPH as Gasoline	0.050	ND
% Surrogate Recovery		120%
Instrument I.D.		HP21
Date Analyzed		11/16/92
RLMF		1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
- RLMF - Reporting Limit Multiplication Factor.

Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Steve Saw 11/23/92
 Analyst Date

Cheryl Balmer 11/20/92
 Supervisor Date

(18) 11/10/05



SHELL OIL COMPANY 9211 149
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: 1479-5

Date:
 Page 1 of 2

Site Address: 7194 Amador Valley Blvd
 Dublin, CA

WIC#: 204-2217-0105

Shell Engineer: Paul Hayes Phone No.: (510) 675-6168

Consultant Name & Address: 1938 Junction Avenue
 EMCOR Associates San Jose, CA 95131

Consultant Contact: David Larsen Phone No.: (408) 453-2269

Comments: 3 VOA's (HCL) for gas, BTEX

Sampled by: Miller

Printed Name: MADLER

Analysis Required

LAB: AnametriX

TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	Asbestos	Container Size	Preparation Used	Composite Y/N
					X		40 ml	HCL	No
					X				
					X				
					X				
					X				
					X				
					X				
					X				
					X				

CHECK ONE (1) BOX ONLY CT/DT TURN AROUND TIME

Quarterly Monitoring 6441 24 hours

Site Investigation 6441 48 hours

Soil Classify/Disposal 6442 16 days (Normal)

Water Classify/Disposal 6443 Other

Soil/Air Rem. or Sys. O & M 6462

Water Rem. or Sys. O & M 6463

Other

NOTE: Notify Lab as soon as Possible of 24/48 hrs. TAT.

Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
1 MW 5	11-16-05			X		3		
2 MW-13				X		3		
3 MW-6				X		3		
4 MW-1				X		3		
5 MW-3				X		3		
6 MW-2				X		3		
7 MW-3D				X		3		
8 TB	11-14-05			X		3		

Relinquished By (signature): <i>Miller</i>	Printed Name: MADLER	Date: 11-10-05	Received (signature): <i>Maria Banjas</i>	Printed Name: Maria Banjas	Date: 11/10/05
Relinquished By (signature):	Printed Name:	Date:	Received (signature):	Printed Name:	Date:
Relinquished By (signature):	Printed Name:	Date:	Received (signature):	Printed Name:	Date:

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS



SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: _____

Date: _____
 Page 2 of 2

9211149

(18)

Site Address: 7194 Amador Valley Blvd
Dublin, CA

WIC#: 204-2217-0105

Shell Engineer: Paul Hayes Phone No.: (510) 675-1618

Consultant Name & Address: 1938 Junction Avenue
EMCON Associates San Jose, CA 95131

Consultant Contact: David Larsen Phone No.: (408) 453-2269

Comments: See page 1.

Sampled by: MADUEK

Printed Name: MADUEK

Analysis Required

LAB: Anametri X

Sample ID	Date	Sludge	Soil	Water	Air	No. of conds.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020 <i>gasoline</i>	Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS

CHECK ONE (1) BOX ONLY	CT/DT	TURN AROUND TIME
Quarterly Monitoring <input checked="" type="checkbox"/>	6441	24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	6441	48 hours <input type="checkbox"/>
Soil Classfy/Disposal <input type="checkbox"/>	6442	15 days <input checked="" type="checkbox"/> (Normal)
Water Classfy/Disposal <input type="checkbox"/>	6443	Other <input type="checkbox"/>
Soil/Air Rem. or Sys. O & M <input type="checkbox"/>	6452	NOTE: Notify Lab as soon as Possible of 24/48 hrs. TAT.
Water Rem. or Sys. O & M <input type="checkbox"/>	6453	
Other <input type="checkbox"/>		

Relinquished By (signature): <u>MADUEK</u>	Printed Name: <u>MADUEK</u>	Date: <u>11-10-92</u>	Time: <u>7:05</u>	Received (signature): <u>Maria Beraja S</u>	Printed Name: <u>Maria Beraja S</u>	Date: <u>11/10/92</u>	Time: <u>10:55</u>
Relinquished By (signature):	Printed Name:	Date:	Time:	Received (signature):	Printed Name:	Date:	Time:
Relinquished By (signature):	Printed Name:	Date:	Time:	Received (signature):	Printed Name:	Date:	Time: