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97 DEC 22 PH 8:40

December 5, 1997 Project 330-006.2J

Mr. M.E. Kast 17349 Via Magdalena San Lorenzo, California 94580

Re: Groundwater Analytical Results

17349 Via Magdalena San Lorenzo, California

Dear Mr. Kast:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well. Groundwater samples were collected on March 31, August 18, and September 9, 1997, and were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). Laboratory analysis of the groundwater samples collected from your well during the March, August, and September sampling events detected TPPH-g at concentrations from 320 to 430 parts per billion (ppb); benzene was detected at concentrations from 2 to 6 ppm. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline and BTEX Compounds,

and MtBE)

Table 1 **Groundwater Analytical Data**

Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

> 17349 Via Magdalena San Lorenzo, California

		TPPH as			Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17349 VM	09/27/91	780	13	<3.0	<3.0	<3.0	ΝA
	10/14/92	2,200	<50	<50	<50	110	NA
	12/18/92	1,500	14	1.8	7.1	56	NA
	03/16/93	1,100	16	4.2	1.8	1.8	NA
	06/17/93	1,100	1.5	6.7	2.9	7.9	NA
	09/16/93	1,200	13	21	3.0	10	NA
	12/30/93	NS	NS	NS	NS	NS	NS
	03/30/94	420	<1.0	<1.0	<1.0	5.3	NA
	06/15/94	460	<0,50	<0.50	<0.50	1.8	NA
	09/21/94	590	1.8	<0.50	1.1	7.6	NA
	12/21/94	670	<0.50	<0.50	<0.50	1.8	NA
	03/15/95	1,400	19	<5.0	7.9	48	NA
	05/31/95	890	<2.0	<2.0	4.3	22	NA
	09/15/95	610	3.9	<0.50	<0.50	< 0.50	NA
	11/29/95	790	<2.5	<2.5	3.8	18	NA
	03/15/96	1,700	<2.0	<2.0	2.5	13	NA
	05/27/96	320	4.2	1.3	0.95	0.71	NA
	08/29/96	410	7.5	<0.50	<0.50	1.1	NA
	11/26/96	300	<1.0	1.7	<1.0	2.1	55
	3/31/97*	430	<1.0	2.7	<1.0	1.0	57
	8/18/97*	320	2.0	< 0.50	<0.50	< 0.50	31
	09/09/97	380	6.0	1.4	0.98	<0.50	34

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion

= Denotes laboratory detection limit

NA = Not analyzed

NS Not sampled

= MtBE result confirmed by EPA Method 8260.

Concentration data from initial sampling performed on June 25, 1997 was supect due to inadequate purging. Well was resampled on August 18, 1997 for confirmation purposes.

is a table showing historical concentrations for all dominates wells

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December 5, 1997 Project 330-006.2J

Mrs. Ruth W. Toles 17203 Via Magdalena San Lorenzo, California 94580

Re: Groundwater Analytical Results 17203 Via Magdalena San Lorenzo, California

Dear Mrs. Toles:

This letter presents sampling results for the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well. Groundwater samples were collected on June 25, 1997, and were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). The groundwater samples collected from your well did not contain any detectable TPPH-g, BTEX compounds, or MtBE. Additionally, PACIFIC attempted to collect samples on March 31, and September 9, 1997, but was unable to collect samples because the well pump was non-operational. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Møser Senior Geologist CEG 1293

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum

Hydrocarbons (TPPH as Gasoline and BTEX Compounds,

and MtBE)

Table 1 **Groundwater Analytical Data** Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

> 17203 Via Magdalena San Lorenzo, California

		TPPH as			Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17203 VM	11/13/91	<30	<0.30	<0.30	<0.30	<0.30	NA
	12/21/92	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/17/93	<50	<0.50	<0.50	<0.50	< 0.50	NA
	09/16/93	<50	<0.50	<0.50	<0.50	< 0.50	NA
	12/30/93	<50	<0.50	<0.50	<0.50	<0.50	NA
1	03/29/94	<50	<0.50	<0.50	<0.50	< 0.50	NA
	06/15/94	<50	<0,50	<0.50	<0.50	< 0.50	NA
Ì	09/21/94	NS	NS	NS	NS	NS	NS
	12/21/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/15/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	05 /31/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/14/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	11/29/95	<50	<0.50	<0.50	<0.50	<0.50	NA
1	03/15/96	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA
1	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA
ĺ	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	03/31/97	NS	NS	NS	NS	NS	NS
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5
MIRE - Meth	09/09/97	NS	NS	NS	NS	NS	NS

MtBE = Methyl tert-butyl ether, a gasoline additive.

ppb = Parts per billion

< = Denotes laboratory detection limit
NA = Not analyzed
NS = Not sampled



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December 5, 1997 Project 330-006 2J

Mr. Roy Dahmann 633 Hacienda Avenue San Lorenzo, California 94580

Re: Groundwater Analytical Results 633 Hacienda Avenue San Lorenzo, California

Dear Mr. Dahmann:

This letter presents the results of the sampling of the irrigation water-supply well located at the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc.(PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC attempted to perform groundwater sampling to test for the presence of gasoline in water from your well on March 31, June 25, and September 9, 1997. We were unable to sample your well during the March and June events, because no one was home to permit access. Groundwater samples were collected on September 9, 1997, and were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). The groundwater samples collected from your well did not contain any detectable TPPH-g, BTEX compounds, or MtBE. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

Table 1
Groundwater Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MtBE)

633 Hacienda Avenue San Lorenzo, California

		TPPH as			Ethyl-		 -
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
633 H	12/21/92	<50	<0.50	<0,50	<0.50	<0.50	NA
	03/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/17/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/15/93	NS	NS	NS	NS	NS	NS
	12/30/93	NS	NS	NS	NS	NS	NS
•	03/29/94	NS	NS	NS	NS	NS	NS
	06/15/94	NS	NS	NS	NS	NS	NS
	09/21/94	NS	NS	NS	NS	NS	NS
	10/07/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	12/21/94	<50	<0.50	<0.50	<0,50	<0.50	NA
	03/15/95	250	5.1	9.8	9,8	46	NA
	03/15/95(D)	<50	<0.50	<0.50	<0.50	< 0.50	NA
1	05/31/95	<50	0.93	2.4	2.4	14	NA
	09/14/95	<50	0.64	1.2	1.2	7.6	NA
	11/28/95	<50	<0.50	0.89	0.89	8.3	NA
	03/14/96	480	10	11	11	140	NA
	05/13/96	<50	<0.50	<0.50	< 0.50	<0.50	NA
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA
	08/29/96	<50	<0.50	<0.50	<0.50	< 0.50	NA
	11/26/96	<50	<0.50	<0.50	< 0.50	<0.50	3.7
	12/30/96*	. NA	NA	NA	NA	NA	4.9
	03/31/97	NS	NS	NS	NS	NS	NS
	06/25/97	NS	NS	NS	NS	NS	NS
	09/09/97	<50	<0.50	< 0.50	<0.50	0.66	<2.5

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion

= Denotes laboratory detection limit

NA = Not analyzed

NS = Not sampled

(D) = Duplicate sampled

= MtBE result confirmed by EPA Method 8260



December 5, 1997 Project 330-006.2J

Ms. Marjorie Luehrs 17348 Via Encinas San Lorenzo, California 94580

Re: Groundwater Analytical Results 17348 Via Encinas San Lorenzo, California

Dear Ms. Luehrs:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC attempted to perform groundwater sampling to test for gasoline in water from your well on March 31, June 25, and September 9, 1997. In March, the well was dry and therefore no sample was taken. In the June, and September attempts, the well was inaccessible (blocked) and therefore not sampled. Historical groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum

Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

Mr. Michael Whelan, ARCO Products Company

Ms. Madhulla Logan, Alameda County Health Care Services Agency Mr. Kevin Graves, Regional Water Quality Control Board - S.F. Bay Region

Table 1 **Groundwater Analytical Data**

Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

> 17348 Via Encinas San Lorenzo, California

		TPPH as			Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17348 VE	12/21/92	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/16/93	<50	<0.50	<0.50	< 0.50	<0.50	NA
	09/15/93	<50	<0.50	< 0.50	<0.50	<0,50	NA
	12/30/93	NS	NS	NS	NS	NS	NS
	03/30/94	<50	< 0.50	<0.50	<0.50	<0.50	NA
	06/15/94	<50	<0.50	<0.50	<0.50	< 0.50	NA
	09/21/94	NS	NS	NS	NS	NS	NS
	12/21/94	<50	<0.50	<0.50	<0.50	< 0.50	NA
	03/15/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/30/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/14/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	11/29/95	<50	<0.50	< 0.50	<0.50	<0.50	NA
	03/13/96	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/27/96	NS	NS	NS	NS	NS	NS
	08/29/96	NS	NS	NS	NS	NS	NS
	11/26/96	NS	NS	NS	NS	NS	NS
	03/31/97	NS	NS	NS	NS	NS	NS
	06/25/97	NS	NS	NS	NS	NS	NS
MADE A A A	09/09/97	NS	NS	NS	NS	NS	NS

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion

< = Denotes laboratory detection limit
NA = Not analyzed
NS = Not sampled



97 DEC 22 PM 8: 40

December 5, 1997 Project 330-006.2J

Mr. Lester Schrag 17197 Via Magdalena San Lorenzo, California 94580

Re: Groundwater Analytical Results

17197 Via Magdalena San Lorenzo, California

Dear Mr. Schrag:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well. Groundwater samples were collected on March 31, June 25, and September 9, 1997. The Groundwater samples were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). The groundwater samples collected from your well did not contain any detectable TPPH-g, BTEX compounds, or MtBE. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

Table 1
Groundwater Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MtBE)

17197 Via Magdalena San Lorenzo, California

		TPPH as			Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17197 VM	11/13/91	<30	<0.30	<0.30	<0.30	<0.30	N.
	10/14/92	<50	<0.50	<0.50	<0.50	< 0.50	N
	12/2 1/92	<50	<0.50	<0.50	<0.50	< 0.50	N
	03/15/93	<50	<0.50	<0.50	<0.50	<0.50	N
	06/17/93	<50	<0.50	<0.50	<0.50	<0.50	N
	09/16/93	<50	<0.50	< 0.50	<0.50	<0.50	N.
	12/30/93	<50	<0.50	<0.50	<0.50	<0.50	N
	03/30/94	<50	<0.50	<0.50	<0.50	<0.50	N.
	06/15/94	<50	<0.50	< 0.50	<0.50	<0.50	N
	09/21/94	NS	NS	NS	NS	NS	N
	12/21/94	<50	<0.50	< 0.50	< 0.50	<0.50	N
	03/15/95	< 5 0	<0.50	<0.50	<0.50	<0.50	N
	05/31/95	<50	<0,50	<0.50	<0.50	<0.50	N
	09/14/95	<50	<0.50	<0.50	<0.50	<0.50	N
	11/29/95	<50	< 0.50	<0.50	<0.50	<0.50	N
	03/15/96	<50	< 0.50	<0.50	< 0.50	<0.50	N
	05/27/96	<50	<0.50	<0.50	< 0.50	<0.50	N
	08/29/96	<50	< 0.50	<0.50	<0.50	<0.50	N.
•	11/26/96	<50	<0.50	<0.50	< 0.50	<0.50	<2.
	03/31/97	<50	<0.50	<0.50	< 0.50	<0.50	<2.
	06/25/97	<50	<0.50	<0,50	< 0.50	<0.50	<2.
	09/09/97	<50	<0.50	< 0.50	< 0.50	<0,50	<2.

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion

= Denotes laboratory detection limit

NA = Not analyzed

NS = Not sampled



PROTECTION 1 97 DEC 22 PM 8: 40

December 5, 1997 Project 330-006.2J

Mr. and Mrs. John Silva 590 Hacienda Avenue San Lorenzo, California 94580

Re: Groundwater Analytical Results 590 Hacienda Avenue San Lorenzo, California

Dear Mr. and Mrs. Silva:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well on March 31, and September 9, 1997. Groundwater samples were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl-tert-butyl ether (MtBE). The groundwater samples from your well did not contain any detectable TPPH-g, BTEX compounds, or MtBE. Additionally, PACIFIC attempted to perform groundwater sampling on June 25, 1997, but was unable to sample on that date because no one was home to permit access. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Mosert

Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum

Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

CC:

Table 1 **Groundwater Analytical Data** Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

590 Hacienda Avenue San Lorenzo, California 94580

		TPPH as			Ethyl-		
₩eli	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
590 H	11/13/91	<30	<0.30	<0.30	<0.30	<0.30	NA
	10/14/92	<50	<0.50	<0.50	<0.50	<0.50	NA
	12/21/92	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/17/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/16/93	<50	< 0.50	<0.50	<0.50	<0.50	NA
	12/30/93	NS	NS	NS	NS	NS	NS
	03/29/94	<50	< 0.50	<0.50	<0.50	<0.50	NA
	06/16/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/21/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	12/21/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/15/95	<50	<0.50	< 0.50	<0.50	<0.50	NΑ
	05/26/95	<50	< 0.50	<0.50	<0.50	<0.50	NA
	09/15/95	<50	<0.50	13	<0.50	< 0.50	NA.
	11/29/95	NS	NS	NS	NS	NS	NS
	03/14/96	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/29/96	<50	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/29/96	NS	NS	NS	NS	NS	NS
	11/26/96	NS	NS	NS	NS	NS	NS
	03/31/97	<50	< 0.50	<0.50	<0.50	<0.50	<2.5
	06/25/97	NS	NS	NS	NS	NS	NS
Auge . M.	09/09/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion
< = Denotes laboratory detection limit
NA = Not analyzed

NS = Not sampled



PROTECTION 97 DEC 22 PM 8: 40

December 5, 1997 Project 330-006,2J0

Mr. and Mrs. Roberts
675 Hacienda Avenue
San Lorenzo, California 94580

Re: Groundwater Analytical Results 675 Hacienda Avenue San Lorenzo, California

Dear Mr. and Mrs. Roberts:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well on June 25, 1997. Groundwater samples were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl-tert-butyl ether (MtBE). The groundwater samples from your well did not contain any detectable TPPH-g, BTEX compounds, or MtBE. Additionally, PACIFIC attempted to perform groundwater sampling on March 31, and September 9, 1997, but was unable to sample on that date because no one was home to permit access. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum

Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

Mr. Michael Whelan, ARCO Products Company CC:

Ms. Madhulla Logan, Alameda County Health Care Services Agency Mr. Kevin Graves, Regional Water Quality Control Board - S.F. Bay Region

Table 1 Groundwater Analytical Data

Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

675 Hacienda Avenue San Lorenzo, California

		TPPH as	 -		Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
675 H	09/11/91	NS	NS	NS	NS	NS	NS
	10/14/92	NS	NS	NS	NS	NS	NS
	12/21/92	NS	NS	NS	NS	NS	NS
	03/16/93	NS	NS	NS	NS	NS	NS
	06/17/93	NS	NS	NS	NS	NS	NS
	09/15/93	NS	NS	NS	NS	NS	NS
	12/30/93	NS	NS	NS	NS	NS	NS
	03/29/94	NS	NS	NS	NS	NS	NS
	06/15/94	NS	NS	NS	NS	NS	NS
	09/22/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	12/21/94	NS	NS	NS	NS	NS	NS
	03/15/95	NS	NS	NS	NS	NS	NS
	05/31/95	NS	NS	NS	NS	NS	NS
	09/14/95	NS	NS	NS	NS	NS	NS
	11/28/95	NS	NS	NS	NS	NS	NS
	03/13/96	NS	NS	NS	NS	NS	NS
	05/27/96	NS	NS	NS	NS	NS	NS.
	08/29/96	NS	NS	NS	NS	NS	NS
	11/26/96	NS	NS	NS	NS	NS	NS
	03/31/97	NS	NS	NS	NS	NS	NS
	06/25/97	<50	<0.50	< 0.50	< 0.50	< 0.50	<2.5
ANDE AAU	09/09/97	NS	NS	NS	NS	NS	NS

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion

= Denotes laboratory detection limit

NA = Not analyzed

NS = Not sampled



December 5, 1997 Project 330-006.2F

Mr. and Mrs. Corregedor 642 Hacienda Avenue San Lorenzo, California 94580

Re: Groundwater Analytical Results 642 Hacienda Avenue San Lorenzo, California

Dear Mr. and Mrs. Corregedor:

This letter presents sampling results of the irrigation water-supply well located at the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC attempted to perform groundwater sampling to test for the presence of gasoline in water from your well. PACIFIC attempted to collect groundwater samples on March 31, June 25, and September 9, 1997. However, we were unable to collect samples on all three occasions, because no one was home to permit access. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

Table 1
Groundwater Analytical Data

Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

642 Hacienda Avenue San Lorenzo, California

		*DOLL					
Moll	D-4-	TPPH as	_		Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
642 H	11/13/91	<30	<0.30	<0.30	<0.30	< 0.30	ŇĀ
1	10/16/92	<50	<0.50	<0,50	<0.50	< 0.50	NA
f	12/21/92	<50	<0.50	<0.50	<0.50	< 0.50	NA
	03/16/93	<50	<0.50	<0.50	<0.50	< 0.50	NA
	06/17/93	<50	<0.50	<0.50	< 0.50	<0.50	NA
	09/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	12/30/93	NS	NS	NS	NS	NS	NS
i	03/30/94	<50	< 0.50	<0.50	< 0.50	< 0.50	NA
	06/15/94	NS	NS	NS	NS	NS	NS
	09/21/94	NS	NS	NS	NS	NS	NS
	12/21/94	NS	NS	NS	NS	NS	NS
	03/15/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/31/95	NS	NS	NS	NS	NS	NS
	09/14/95	NS	NS	NS	NS	NS	NS
	11/28/95	NS	NS	NS	NS	NS	NS
	03/15/96	<50	<0.50	< 0.50	<0.50	<0.50	NA
	05/27/96	<50	< 0.50	< 0.50	<0.50	<0.50	NA
	08/29/96	<50	<0.50	<0.50	< 0.50	<0.50	NA
	11/26/96	<50	< 0.50	<0.50	<0.50	<0.50	<2.5
	03/31/97	NS	NS	NS	NS	NS	NS
	06/25/97	NS	NS	NS	NS	NS	NS
NACE - NACH	09/09/97	NS	NS	NS	NS	NS	NS

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion

= Denotes laboratory detection limit

NA = Not analyzed

NS = Not sampled



EMVICENCENTAL PROTECTION

97 DEC 22 PM 8: 40

December 5, 1997 Project 330-006.2J

Mr. Pimental 17372 Via Magdalena San Lorenzo, California 94580

Re: Groundwater Analytical Results

17372 Via Magdalena San Lorenzo, California

Dear Mr. Pimental:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well. Groundwater samples were collected on March 31, and June 25, and September 9, 1997. The samples were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). The groundwater samples collected from your well did not contain any detectable TPPH-g, BTEX compounds, or MtBE. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser

Senior Geologist

CEG 1293

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Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

Mr. Michael Whelan, ARCO Products Company cc:

Ms. Madhulla Logan, Alameda County Health Care Services Agency Mr. Kevin Graves, Regional Water Quality Control Board - S.F. Bay Region

Table 1 **Groundwater Analytical Data**

Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

> 17372 Via Magdalena San Lorenzo, California

		TPPH as			Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17372 VM	09/27/91	300	5.5	<0.60	1.3	0.72	NA
ļ	10/14/92	220	<1.0	<1.0	<1.0	<1.0	NA
1	12/18/92	290	3.8	0.88	0.99	1.2	NA
•	03/16/93	110	<0.50	<0.50	<0.50	<0.50	NA
]	06/17/93	140	<0.50	1.3	0.63	1.1	NA
	09/15/93	120	<0.50	1.1	0.62	1.2	NA
	12/30/93	<50	<0.50	<0.50	<0.50	< 0.50	NA
	03/30/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/15/94	110	<0.50	<0.50	<0.50	<0.50	NA
	09/21/94	55	<0.50	<0.50	<0.50	<0.50	NA
Ì	12/21/94	<50	<0.50	<0.50	<0.50	< 0.50	NA
	03/15/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/31/95	60	<0.50	<0.50	<0.50	< 0.50	NA
	09/14/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	11/30/95	<50	<0.50	<0,50	<0.50	<0.50	NA
	03/14/96	<50	<0.50	<0.50	<0.50	< 0.50	NA.
	05/27/96	<50	<0.50	<0.50	<0.50	< 0.50	NA
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA
	11/26/96	<50	<0.50	<0.50	< 0.50	<0.50	<2.5
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	06/25/97	<50	<0.50	<0.50	< 0.50	<0.50	<2.5
	09/09/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5

MtBE = Methyl tert-butyl ether, a gasoline additive ppb = Parts per billion < = Denotes laboratory detection limit

NA = Not analyzed



PROTECTION 97 DEC 22 PM 8: 40

December 5, 1997 Project 330-006.2J

Mr. Terry Johansen 17302 Via Magdalena San Lorenzo, California 94580

Re: Groundwater Analytical Results 17302 Via Magdalena San Lorenzo, California

Dear Mr. Johansen:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well. Groundwater samples were collected on March 31, 1997, and were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). The groundwater samples collected from your well did not contain any detectable TPPH-g, BTEX compounds, or MtBE. Additionally, PACIFIC attempted to perform groundwater sampling on June 25, and September 9,1997, but was unable to collect samples on those dates because the well pump was non-operational. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser

Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

Table 1 Groundwater Analytical Data otal Purreable Petroleum Hydrocarbone

Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

17302 Via Magdalena San Lorenzo, California

 -		TPPH as			Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17302 VM	10/21/91	72	0.64	<0.30	0.44	<0.30	NA
	12/21/92	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/17/93	NS	NS	NS	NS	NS	NS
	09/16/93	66	<0.50	<0.50	<0.50	<0.50	NA
	12/30/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/30/94	<50	<0.50	<0.50	<0.50	<0,50	NA
	06/15/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/21/94	NS	NS	NS	NS	NS	NS
	12/21/94	<50	<0.50	< 0.50	<0,50	< 0.50	NA
	03/15/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/31/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/14/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	11/29/95	<50	<0.50	<0.50	< 0.50	<0.50	NA
	03/15/96	<50	<0.50	<0.50	< 0.50	<0.50	NA
	05/27/96	<50	<0.50	<0.50	< 0.50	<0.50	NA
	08/29/96	<50	<0.50	<0.50	< 0.50	<0.50	NA
	11/26/96	<50	<0.50	< 0.50	< 0.50	<0.50	<2.5
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	06/25/97	NS	NS	NS	NS	NS	NS
MOC - NAME	09/09/97	NS	NS	NS	NS	NS	NS

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion

= Denotes laboratory detection limit

NA = Not analyzed NS = Not sampled