



PACIFIC
ENVIRONMENTAL
GROUP, INC.

STID 3874

January 17, 1996
Project 330-109.5B

Mr. Ray Maxwell
East Bay Municipal Utility District
P.O. Box 24055
Oakland, California 46623-1055


Re: Wastewater Discharge Permit 502-62131
ARCO Service Station 4931
731 West MacArthur Boulevard
Oakland, California

Dear Mr. Maxwell:

On behalf of ARCO Products Company, Pacific Environmental Group, Inc. (PACIFIC) is performing environmental services at the site referenced above. Per our phone conversation yesterday, PACIFIC requests a change to the referenced permit. In light of the new regulatory environment, and a recent meeting with the Alameda County Health Care Services Agency regarding the site, groundwater extraction at this site will no longer be required, unless further migration of the contaminated groundwater plume occurs. However, until site closure has been granted, PACIFIC would like to maintain the referenced permit. Therefore, PACIFIC request to change the estimated annual discharge volume from 2,000,000 to 137,304 gallons retroactively to the start date of the current permit, and receive billing credit for fees paid to the East Bay Municipal Utilities District prior to the proposed change in discharge volume. The groundwater extraction system was shut down in July 1995 and has remained shut down to this date. Treatment system operational data are presented in Table 1.

Please do not hesitate to call if you have any questions.

Sincerely,
Pacific Environmental Group, Inc.


Shaw Garakani
Project Engineer

Attachment: Table 1 - Groundwater Extraction System Performance Data

cc: Mr. Michael Whelan, ARCO Products Company
Mr. Kevin Graves, Regional Water Quality Control Board - S.F. Bay Region
Ms. Susan Hugo, Alameda County Health Care Services Agency

Table 1
Groundwater Extraction System Performance Data

ARCO Service Station 4931
731 West MacArthur Boulevard at West Street
Oakland, California

Sample I.D.	Date Sampled	Totalizer Reading (gallons)	Net Volume (gallons)	Average Flow Rate (gpm)	TPPH as Gasoline			Benzene			Primary Carbon Loading (percent)
					Influent Concentration (µg/L)	Net Removed (lbs)	Removed to Date (lbs)	Influent Concentration (µg/L)	Net Removed (lbs)	Removed to Date (lbs)	
INFL	06/28/94 a	4,120,050	N/A	0.9	740	0.000	1.61	38	0.000	0.38	2.0
INFL	07/15/94	4,143,150	23,100	0.9	ND	0.071	1.68	ND	0.004	0.38	2.1
INFL	08/18/94	4,175,310	32,160	0.7	NS	0.099	1.78	NS	0.005	0.39	2.2
INFL	09/30/94	4,243,295 b	67,985	1.1	NS	0.210	1.99	NS	0.011	0.40	2.5
INFL	10/31/94 c	4,311,280	67,985	1.5	ND	0.000	1.99	ND	0.000	0.40	2.5
INFL	11/04/94	4,330,500	19,220	3.3	56	0.004	2.00	ND	0.000	0.40	2.5
INFL	12/16/94	4,352,780	22,280	0.4	NS d	0.005	2.00	NS d	0.000	0.40	2.5
INFL	01/05/95	4,382,610	29,830	1.0	1,000	0.131	2.13	87	0.011	0.41	2.7
INFL	02/07/95	4,430,130 e	47,520	1.0 e	NS d	0.209	2.34	NS d	0.017	0.43	2.9
INFL	03/03/95	4,464,690 e	34,560	1.0 e	NS d	0.152	2.49	NS d	0.013	0.44	3.1
INFL	04/13/95	23 f	59,040	1.0 e	ND	0.246	2.74	ND	0.021	0.46	3.4
INFL	05/01/95	12,138	12,115	0.5	ND	0.000	2.74	ND	0.000	0.46	3.4
INFL	06/09/95	36,412	24,274	0.4	ND	0.000	2.74	ND	0.000	0.46	3.4
INFL	07/05/95 g	121,199	84,787	2.3	ND	0.000	2.74	0.59	0.000	0.46	3.4
REPORTING PERIOD: 09/30/95(g) -12/31/95											
TOTAL POUNDS REMOVED:							2.74		0.46		
TOTAL GALLONS REMOVED:							0.45		0.06		
PERIOD POUNDS REMOVED:							0.00		0.00		
PERIOD GALLONS REMOVED:							0.00		0.00		
TOTAL GALLONS EXTRACTED:							4,643,696 (e)				
PERIOD GALLONS EXTRACTED:							0.0				
PERIOD AVERAGE FLOW RATE (gpm):							0.0				
PRIMARY BED CAPACITY REMAINING (%):							96.6				
TPPH = Total purgeable petroleum hydrocarbons	a. Data prior to October 1, 1994 provided by prior consultant.										
gpm = Gallons per minute	b. No operational or analytical data available; totalizer reading, flow rate, and sample estimated from prior event July 15, 1994.										
µg/L = Micrograms per liter	c. Pacific Environmental Group became consultant for the site as of October 1, 1994.										
lbs = Pounds	d. Sampled quarterly; concentrations assumed from prior sampling event.										
N/A = Not available	e. Totalizer broken; volume estimated using 1.0 gpm based on prior sampling event.										
ND = Not detected	f. Totalizer replaced and recalibrated on April 13, 1995.										
NS = Not sampled	g. System shut down for review, due to low concentrations and removal rates.										
Carbon loading assumes an 8% Isotherm.											
Mass removed is an approximation calculated using averaged concentrations.											
Pounds of hydrocarbons removed to date provided by prior consultant.											
Prior to June 1995, TPPH as gasoline was reported as TPH calculated as gasoline.											
See certified analytical reports for detection limits.											