



PACIFIC
ENVIRONMENTAL
GROUP, INC.

ENVIRONMENTAL
PROTECTION
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March 10, 1997
Project 311-058.5A

Ms. Susan Keach
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

Re: Wastewater Discharge Permit 024
February 1997 Sewer Report and Notification of System Shutdown
76 Service Station 5760
376 Lewelling Boulevard at Usher Street
San Lorenzo, California

Dear Ms. Keach:

On behalf of 76 Oil Products Company, Pacific Environmental Group, Inc. (PACIFIC) is operating a groundwater extraction (GWE) and treatment system at the site referenced above. This letter is to inform you that the GWE system was deactivated on February 5, 1997, and site closure is being pursued. The GWE system was operating in compliance with all discharge permit conditions at the time it was shut down; the total discharge by the GWE system to date is 388,654 gallons. Operational parameters are summarized in the table below.

<i>Current System Status:</i>	<i>Deactivated</i>
<i>Reporting Period:</i>	1/22/97 - 2/5/97
<i>Period Temperature:</i>	52.5 degrees Fahrenheit
<i>Period pH reading:</i>	6.58
<i>Period Volume Discharged:</i>	148 gallons
<i>Total Discharged to Date:</i>	388,654 gallons
<i>Average Flow Rate:</i>	N/A
<i>Analytical Reports:</i>	N/A

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Operational data are included in Tables 1 and 2; the system was not sampled at the time of shutdown. Unless requested, PACIFIC will discontinue monthly reporting to Oro Loma Sanitary District while the GWE system remains inactive. Should a decision be made to reactivate the system, Oro Loma Sanitary District will be notified in advance. If you have any questions regarding this project or require further information, please do not hesitate to call.

Sincerely,

Pacific Environmental Group, Inc.



Suzanne McClurkin-Nelson
Staff Scientist

Attachments: Table 1 - Treatment System Metered Volume
Table 2 - Groundwater Treatment System Analytical Data

cc: Ms. Tina Berry, 76 Oil Products Company
Mr. Richard Hiatt, Regional Water Quality Control Board - S.F. Bay Region
Ms. Amy Leech, Alameda County Health Care Services

Table 1
Treatment System Metered Volume

76 Service Station 576D
376 Lewelling Boulevard at Usher Street
San Lorenzo, California

Date Sampled	Flow Meter Reading (gallons)	Flow Meter Net Volume (gallons)	Cumulative System Discharge To Date (gallons)	Average Total System Discharge (gpm)	Average Total System Discharge (gpd)
10/18/95 a	76	0	0	N/A	N/A
10/30/95	4,040	3,964	3,964	0.2	330
11/30/95	7,751	3,711	7,675	0.1	120
12/27/95	15,031	7,280	14,955	0.2	270
01/22/96	19,350	4,319	19,274	0.1	166
02/13/96	28,980	9,630	28,904	0.3	438
03/11/96 b	82,320	53,340	82,244	1.4	1,976
04/05/96	82,660	340	82,584	0.01	14
05/15/96 c	132,610	49,950	132,534	0.87	1,249
07/02/96 d	142,690	10,080	142,614	N/A	N/A
07/17/96 e,f	194,730	52,040	194,654	2.4	3,469
10/15/96 g	243,783	49,053	243,707	N/A	N/A
11/11/96	298,271	54,488	298,195	1.4	2,018
11/27/96	331,768	33,497	331,692	1.5	2,094
12/09/96	345,737	13,969	345,661	0.8	1,164
01/22/97	388,582	42,845	388,506	0.7	974
02/05/97	388,730	148	388,654	N/A	N/A

gpm = Gallons per minute
gpd = Gallons per day
N/A = Not applicable or not available

a. GWE continuous system operation began on October 18, 1995.
b. GWE system found down 3/11/96; carbon changeout performed 3/25/96.
c. GWE system shut down in May for primary carbon replacement.
d. System restarted July 2, 1996.
e. System temporarily shut down to address operational problems.
f. Carbon changeout to primary on 10/13/96; primary & secondary switched.
g. System restarted 10/15/96 following carbon changeout.

Table 2
Groundwater Treatment System Analytical Data

76 Service Station 5760
376 Lewelling Boulevard at Usher Street
San Lorenzo, California

Date Sampled						Permit Compliance Parameters		
	TPPH (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)
Influent Samples								
10/30/95	33,000	480	1,400	900	7,100	N/A	N/A	N/A
11/30/95	15,000	190	310	210	3,700	N/A	N/A	N/A
12/27/95	1,100	16	23	<2.0	300	N/A	N/A	N/A
02/13/96 b	32,000	460	1,100	1,500	7,700	N/A	N/A	N/A
04/05/96	25,000	280	1,400	900	6,400	N/A	N/A	N/A
05/15/96	22,000	240	1,200	850	4,700	N/A	N/A	N/A
07/02/96	22,000	230	1,300	950	4,700	N/A	N/A	N/A
10/15/96 e	4,900	94	14	210	1,600	N/A	N/A	N/A
11/11/96	15,000	130	560	550	4,500	N/A	N/A	N/A
12/09/96	3,800	14	<5.0	10	800	N/A	N/A	N/A
01/08/97	1,800	10	5.9	16	330	N/A	N/A	N/A
Effluent Samples								
10/04/95	<50	<0.50	<0.50	<0.50	<0.50	<20	<1.0	8.89 a
10/30/95	<50	<0.50	<0.50	<0.50	<0.50	NS	NS	NS
11/30/95	<50	<0.50	<0.50	<0.50	<0.50	NS	NS	NS
12/27/95	<50	<0.50	<0.50	<0.50	<0.50	NS	NS	7.05 a
02/13/96 b	<50	<0.50	<0.50	<0.50	<0.50	<20	9.0	6.83 a
04/05/96 c	83	<0.50	0.80	<0.50	2.0	<20	11	6.83 a
05/15/96 c	<50	1.8	1.6	<0.50	5.8	<20	12	6.86 a
07/02/96 d	<50	<0.50	<0.50	<0.50	<0.50	15	2.0	7.09 a
10/15/96 e	<50	<0.50	<0.50	<0.50	0.54	NS	NS	8.74 a
11/11/96	<50	<0.50	<0.50	<0.50	<0.50	NS	NS	7.55 a
11/27/96	<50	<0.50	<0.50	<0.50	<0.50	<20	<1.0	7.2
12/09/96	<50	<0.50	<0.50	<0.50	<0.50	NS	NS	6.92 a
01/08/97	<50	<0.50	<0.50	<0.50	<0.50	NS	NS	7.61 a
02/05/97 f	NS	NS	NS	NS	NS	NS	NS	6.58 a
TPPH = Total purgeable petroleum hydrocarbons COD = Chemical oxygen demand TSS = Total suspended solids µg/L = Micrograms per liter mg/L = Milligrams per liter N/A = Not applicable NS = Not sampled < = Denotes any potential concentrations fell below the shown detection limit for the analysis. a. The pH reading was measured by field instruments, not by laboratory analysis. b. GWE system was found down 1/17/96 and two pumps were pulled for repair and replaced 2/13/96. c. Carbon replacement of primary on 3/25/96 (switched to secondary); new primary replaced in May. d. System restarted July 2, 1996; de-activated July 17 to schedule carbon replacement to current primary. e. System restarted 10/15/96 following carbon changeout.								