

## Diagrams of Pt. Loma WWTP

## Diagrams of Pt. Loma WWTP

## Diagrams of Pt. Loma WWTP

This page left blank intentionally.

- III. Plant Operations Summary
  - A. Flows
  - B. Rain Days
  - C. Solids Production
  - D. Chemical usage
  - E. Gas Production
  - F. Graphs of Chemical Usage
  - G. Facilities Out-of-Service Report
  - H. Grit Analyses
  - I. Raw Sludge Data Summary
  - J. Digester and Digested Sludge Data Summary

## A. Flows

### Point Loma Wastewater Treatment Plant Annual Monitoring Report

Flow Report - 2006

#### WASTEWATER FLOWS

Daily Average Flows - Millions of Gallons

Mon	Pt. L Gould	Pt. L ADS	PS#2 Flow	PS#2 Pumps	PS#1 Flows
01	176.0	171.7	186.2	177.6	60.1
02	172.9	169.4	183.2	176.3	59.3
03	179.9	177.2	180.8	181.7	60.7
04	178.2	174.1	177.2	185.8	62.0
05	170.9	168.1	169.5	179.8	58.6
06	170.2	167.1	168.3	169.8	60.3
07	170.6	169.7	169.6	176.6	61.1
08	168.4	167.0	167.7	174.9	57.8
09	164.2	162.9	165.1	174.3	55.6
10	163.4	162.3	164.8	162.1	55.0
11	163.1	161.6	166.2	169.9	54.6
12	162.4	162.3	165.1	164.0	55.5
avg	170.0	167.8	172.0	174.4	58.4
sum	2,040.1	2,013.4	2,063.8	2,092.6	700.6

#### WASTEWATER FLOWS

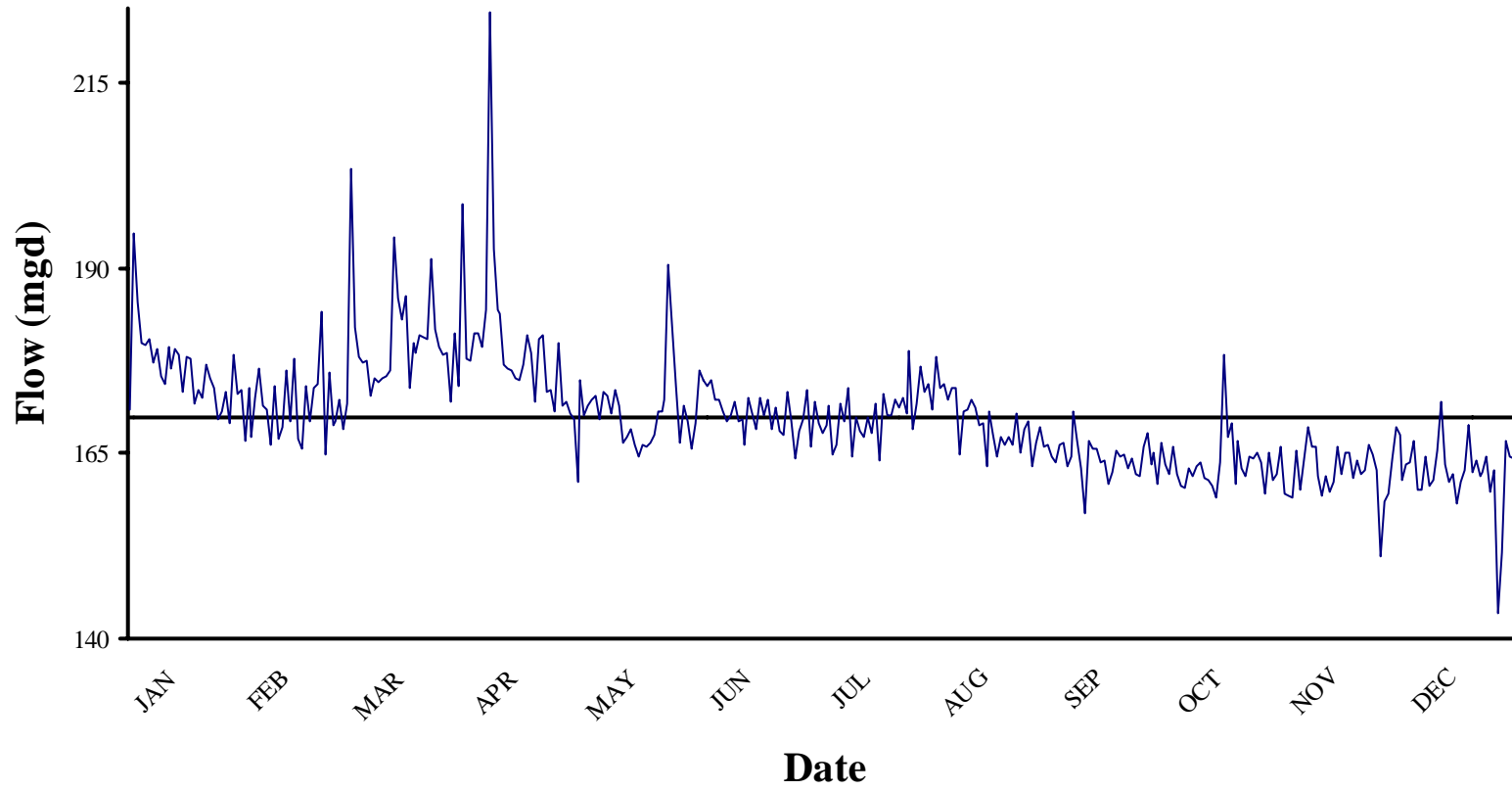
Monthly Total Flows - Millions of Gallons

Mon	Pt. L Gould	Pt. L ADS	PS#2 Flow	PS#2 Pumps	PS#1 Flows
01	5,456	3,777	5,771	5,506	1,863
02	4,668	4,236	5,131	4,936	1,661
03	5,577	5,493	5,606	5,631	1,883
04	5,346	5,222	5,317	5,574	1,859
05	5,299	5,212	5,254	5,573	1,816
06	5,105	5,012	5,050	5,094	1,808
07	5,288	5,260	5,257	5,473	1,894
08	5,219	5,178	5,199	5,422	1,791
09	4,927	4,886	4,953	5,230	1,669
10	5,065	5,033	5,109	5,024	1,705
11	4,405	4,848	4,987	5,097	1,637
12	5,033	5,032	5,118	5,083	1,720
avg	5,116	4,932	5,229	5,304	1,776
sum	61,387	59,189	62,752	63,643	21,307

NOTES: The flows taken at the Pt. Loma WWTP are from the Parshall flumes at the headworks. Water depth in the flume is measured by 2 meters. The Gould meters measure water pressure. The ADS meters are sonar devices that measure the distance of the water level below the meter. The flows through Pump Station II(PS#2) are from venturi meters. PS#2 flow is the flow from the totalizer to which all of the venturi meters feed. PS#2 Pumps is the sum of the readings on the individual venturi meters which are connected to each of the pumps at the pump station. PS#1 is the flow from the venturi meters at Pump Station 1.

This page left blank intentionally.

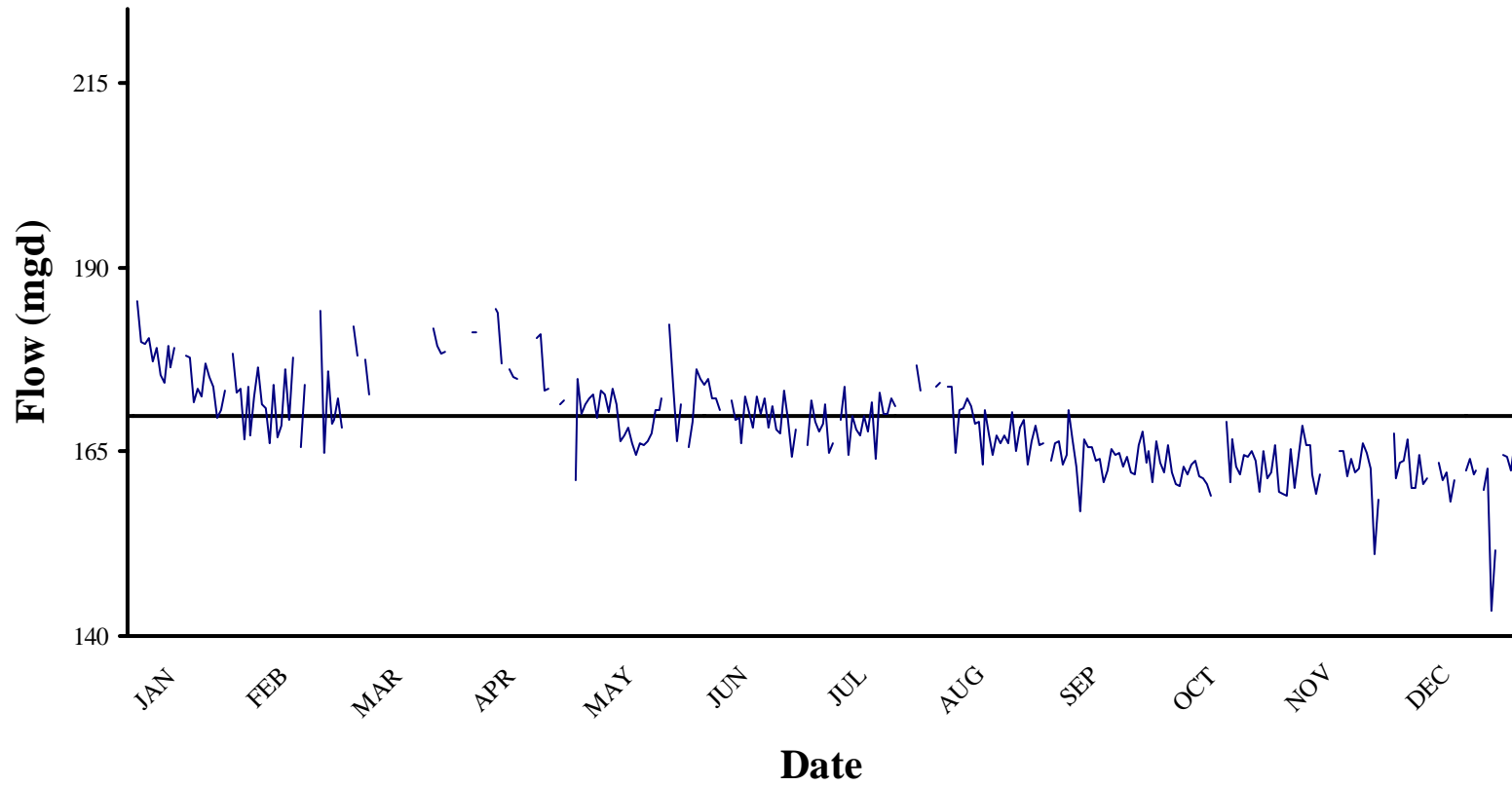
## Point Loma Wastewater Treatment Plant 2006 Daily Flows (mgd)



**Point Loma Wastewater Treatment Plant**  
**2006 Average Daily Flow (mgd)**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	170.9	173.8	182.0	181.1	171.4	174.0	167.7	173.7	166.1	165.8	159.1	163.4	
2	194.6	167.3	177.9	181.1	172.3	174.7	168.9	174.4	166.5	162.1	165.3	163.9	
3	185.3	172.4	177.1	179.4	172.7	172.1	171.5	172.1	163.2	160.7	160.0	166.5	
4	179.8	176.5	177.4	184.3	169.6	172.3	164.9	173.8	164.5	160.4	164.2	160.0	
5	179.6	171.4	172.9	224.4	173.4	170.6	166.2	173.7	170.5	163.1	168.4	160.0	
6	180.3	171.0	175.2	192.6	172.6	169.4	171.6	164.9	166.7	161.9	165.8	164.4	
7	177.2	166.0	174.6	184.4	170.2	170.2	169.4	170.6	163.0	163.3	165.9	160.6	
8	179.0	174.1	175.0	183.8	173.6	171.8	173.8	170.8	156.9	163.8	161.8	161.3	
9	175.4	166.8	175.3	176.9	171.3	169.4	164.5	172.3	166.6	161.6	159.3	165.4	
10	174.4	168.5	176.0	176.4	166.5	169.6	169.9	171.2	165.6	161.4	161.9	172.1	
11	179.3	176.2	194.1	176.1	167.2	166.1	168.1	168.8	165.7	160.6	159.7	163.6	
12	176.5	169.4	186.0	175.1	168.2	172.6	167.1	168.9	163.7	159.1	161.0	161.1	
13	179.1	177.6	183.0	174.9	166.1	170.3	169.8	163.2	164.0	163.8	166.0	162.2	
14	178.2	166.8	186.2	176.9	164.5	168.2	167.7	170.7	160.9	178.2	162.2	158.1	
15	173.2	165.6	173.8	180.9	166.1	172.4	171.7	167.5	162.5	167.2	165.1	161.0	
16	177.9	174.1	179.8	178.4	166.0	170.1	164.1	164.6	165.3	169.0	165.2	162.8	
17	177.9	169.4	178.5	171.8	166.4	172.1	173.1	167.1	164.5	160.8	161.7	168.8	
18	171.6	173.7	180.8	180.4	167.5	168.1	170.0	166.2	164.9	166.6	163.9	162.4	
19	173.6	174.2	180.7	180.9	170.7	171.1	170.2	167.1	163.1	163.0	162.3	164.1	
20	172.4	184.0	180.4	173.2	170.7	168.0	172.1	166.1	164.3	161.9	162.6	162.0	
21	177.0	164.8	191.1	173.4	172.3	167.5	171.0	170.4	162.1	164.5	166.2	162.5	
22	175.0	175.9	181.8	170.7	190.5	173.3	172.5	165.1	161.9	164.4	164.9	164.6	
23	173.9	168.8	179.4	180.0	182.4	169.3	170.4	168.3	165.9	165.2	162.7	159.8	
24	169.6	169.2	178.4	171.4	174.0	164.3	178.8	169.3	167.8	163.8	151.1	162.6	
25	170.6	172.1	178.4	171.9	166.4	167.9	168.2	163.3	163.4	159.5	158.5	143.4	
26	173.4	168.3	171.9	170.4	171.4	169.4	171.6	166.5	165.0	165.1	159.5	151.6	
27	169.0	171.7	181.3	169.5	169.2	173.5	176.6	168.5	161.0	161.4	164.2	166.6	
28	178.2	203.5	174.0	161.1	165.6	165.7	173.4	165.8	166.4	162.2	168.5	164.7	
29	172.9		198.6	174.7	169.0	172.0	174.2	166.1	163.5	165.7	167.5	164.2	
30	173.4		177.7	170.0	176.1	169.0	170.9	164.6	162.3	159.5	161.4	162.6	Annual
31	166.6		177.5		174.7		178.1	163.7		159.3		166.4	Summary
Average	176.0	172.6	179.9	178.2	170.9	170.2	170.6	168.4	164.2	163.4	162.9	162.4	170.0
Minimum	166.6	164.8	171.9	161.1	164.5	164.3	164.1	163.2	156.9	159.1	151.1	143.4	143.4
Maximum	194.6	203.5	198.6	224.4	190.5	174.7	178.8	174.4	170.5	178.2	168.5	172.1	224.4
Total	5456.0	4833.2	5576.7	5346.1	5298.6	5105.0	5287.7	5219.2	4927.4	5064.6	4885.6	5032.9	62033.0

## Point Loma Wastewater Treatment Plant 2006 Dry Daily Flows (mgd)

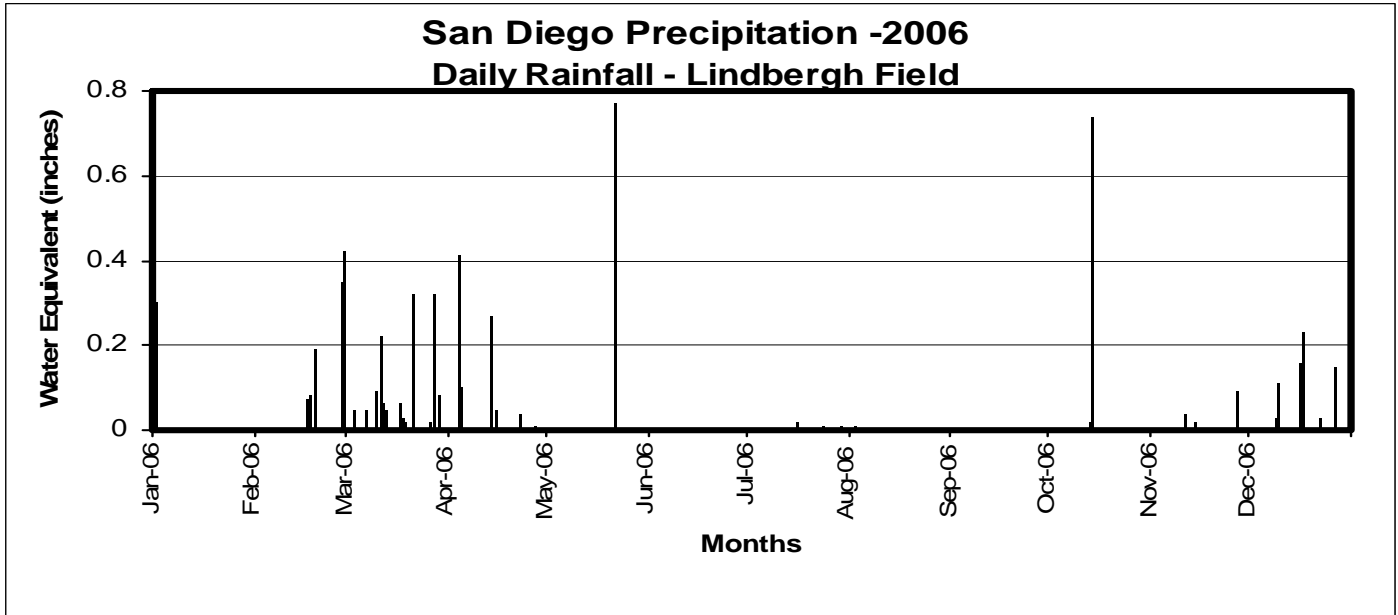


**Point Loma Wastewater Treatment Plant**

**2006 Dry Flows (mgd)**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1		173.8	182.0	181.1	171.4	174.0	167.7	173.7	166.1	165.8	159.1	163.4	
2		167.3	177.9	181.1	172.3	174.7	168.9	174.4	166.5	162.1	165.3	163.9	
3	185.3	172.4			172.7	172.1	171.5		163.2	160.7	160.0	166.5	
4	179.8	176.5	177.4		169.6	172.3	164.9	173.8	164.5	160.4	164.2	160.0	
5	179.6	171.4	172.9		173.4	170.6	166.2	173.7	170.5	163.1	168.4	160.0	
6	180.3	171.0			172.6			164.9	166.7	161.9	165.8	164.4	
7	177.2	166.0		184.4	170.2		169.4	170.6	163.0	163.3	165.9	160.6	
8	179.0	174.1	175.0	183.8	173.6	171.8	173.8	170.8	156.9	163.8	161.8	161.3	
9	175.4	166.8		176.9	171.3	169.4	164.5	172.3	166.6	161.6	159.3		
10	174.4	168.5			166.5	169.6	169.9	171.2	165.6	161.4	161.9		
11	179.3	176.2		176.1	167.2	166.1	168.1	168.8	165.7	160.6		163.6	
12	176.5	169.4		175.1	168.2	172.6	167.1	168.9	163.7	159.1		161.1	
13	179.1	177.6		174.9	166.1	170.3	169.8	163.2	164.0		166.0	162.2	
14			186.2		164.5	168.2	167.7	170.7	160.9			158.1	
15		165.6			166.1	172.4	171.7	167.5	162.5		165.1	161.0	
16	177.9	174.1	179.8		166.0	170.1	164.1	164.6	165.3	169.0	165.2		
17	177.9				166.4	172.1	173.1	167.1	164.5	160.8	161.7		
18	171.6			180.4	167.5	168.1	170.0	166.2	164.9	166.6	163.9	162.4	
19	173.6			180.9	170.7	171.1	170.2	167.1	163.1	163.0	162.3	164.1	
20	172.4	184.0	180.4	173.2	170.7	168.0	172.1	166.1	164.3	161.9	162.6	162.0	
21	177.0	164.8		173.4	172.3	167.5	171.0	170.4	162.1	164.5	166.2	162.5	
22	175.0	175.9	181.8			173.3		165.1	161.9	164.4	164.9		
23	173.9	168.8	179.4		182.4	169.3		168.3	165.9	165.2	162.7	159.8	
24	169.6	169.2	178.4	171.4	174.0	164.3		169.3	167.8	163.8	151.1	162.6	
25	170.6	172.1	178.4	171.9	166.4	167.9	168.2	163.3	163.4	159.5	158.5	143.4	
26	173.4	168.3			171.4			166.5	165.0	165.1		151.6	
27							176.6	168.5	161.0	161.4			
28	178.2			161.1	165.6	165.7	173.4	165.8	166.4	162.2		164.7	
29	172.9			174.7	169.0	172.0		166.1	163.5	165.7	167.5	164.2	
30	173.4		177.7	170.0	176.1	169.0			162.3	159.5	161.4	162.6	Annual
31	166.6				174.7			163.7		159.3		166.4	Summary
Average	175.8	171.5	179.0	175.9	170.3	170.1	169.5	168.4	164.2	162.7	162.9	161.3	169.3
Minimum	166.6	164.8	172.9	161.1	164.5	164.3	164.1	163.2	156.9	159.1	151.1	143.4	143.4
Maximum	185.3	184.0	186.2	184.4	182.4	174.7	176.6	174.4	170.5	169.0	168.4	166.5	186.2
Total	4570.0	3773.9	2327.4	2990.2	4938.9	4422.4	3899.6	4882.4	4927.4	4555.5	3910.6	4032.5	49230.8

**B. Rain Days**



**Total Annual precipitation = 6.16, Maximum =0.77, Trace =0**

First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
Date	Rain	Date	Rain	Date	Rain	Date	Rain
1-Jan-06	0.06	3-Apr-06	0	16-Jul-06	0.02	13-Oct-06	0.02
2-Jan-06	0.3	4-Apr-06	0.41	22-Jul-06	0	14-Oct-06	0.74
14-Jan-06	0	5-Apr-06	0.1	23-Jul-06	0	15-Oct-06	0
15-Jan-06	0	6-Apr-06	0	24-Jul-06	0.01	11-Nov-06	0.04
27-Jan-06	0	10-Apr-06	0	26-Jul-06	0	12-Nov-06	0
14-Feb-06	0	14-Apr-06	0.27	29-Jul-06	0.01	14-Nov-06	0.02
17-Feb-06	0.07	15-Apr-06	0.05	30-Jul-06	0	26-Nov-06	0
18-Feb-06	0.08	16-Apr-06	0	31-Jul-06	0	27-Nov-06	0.09
19-Feb-06	0.19	17-Apr-06	0	3-Aug-06	0.01	28-Nov-06	0
27-Feb-06	0.35	22-Apr-06	0	30-Aug-06	0	9-Dec-06	0.03
28-Feb-06	0.42	23-Apr-06	0.04			10-Dec-06	0.11
3-Mar-06	0.05	26-Apr-06	0			16-Dec-06	0.16
6-Mar-06	0	27-Apr-06	0.01			17-Dec-06	0.23
7-Mar-06	0.05	22-May-06	0.77			22-Dec-06	0.03
9-Mar-06	0	27-May-06	0			27-Dec-06	0.15
10-Mar-06	0.09	6-Jun-06	0				
11-Mar-06	0.22	7-Jun-06	0				
12-Mar-06	0.06	26-Jun-06	0				
13-Mar-06	0.05	27-Jun-06	0				
15-Mar-06	0						
17-Mar-06	0.06						
18-Mar-06	0.03						
19-Mar-06	0.02						
21-Mar-06	0.32						
26-Mar-06	0.02						
27-Mar-06	0						
28-Mar-06	0.32						
29-Mar-06	0.08						
31-Mar-06	0						
<b>Totals &gt;</b>	<b>2.84</b>		<b>1.65</b>		<b>0.05</b>		<b>1.62</b>

## C. Solids Production

### Point Loma Annual Monitoring Report Solids Report - TOTALS

From 01-JAN-2006 to 31-DEC-2006

Month	Pt. Loma Raw sludge		Pt. Loma Digested Sludge		MBC Combined Centrate		MBC Dewatered Sludge	
	Gallons	Tons	Gallons	Tons	Gallons	Tons	Wet Tons	Dry Tons
01	30,939,540	4,967	29,929,021	2,702	76,249,057	936	10,918	3,147
02	28,412,343	4,567	28,597,618	2,573	70,828,371	668	9,199	2,660
03	31,718,776	4,883	31,725,173	2,814	75,966,963	808	10,143	3,001
04	30,030,470	4,643	30,044,299	2,600	69,144,272	777	8,688	2,593
05	32,580,970	5,015	34,223,761	2,746	74,233,302	1,079	9,632	2,837
06	31,153,747	4,637	31,153,802	2,628	72,033,675	885	8,937	2,738
07	29,343,078	4,728	29,343,079	2,557	67,659,998	826	8,062	2,409
08	29,738,526	4,836	29,738,526	2,626	79,450,214	866	10,293	2,983
09	30,173,610	4,850	30,173,610	2,724	79,515,983	1,001	9,787	2,825
10	31,562,391	4,851	31,562,391	2,854	83,602,419	1,149	10,694	3,142
11	27,326,950	4,264	27,326,950	2,461	78,187,878	1,071	11,196	3,308
12	28,080,714	4,375	28,080,714	2,459	70,828,236	1,077	10,480	3,050
avg	30,088,426	4,718	30,158,245	2,645	74,808,364	929	9,835	2,891
sum	361,061,115	56,616	361,898,944	31,744	897,700,368	11,143	118,026	34,693

### Solids Report - Daily Averages by Month From 01-JAN-2006 To 31-DEC-2006

Month	Pt. Loma Raw sludge		Pt. Loma Digested Sludge		MBC Combined Centrate		MBC Dewatered Sludge	
	Gallons	%TS	Tons	Gallons	%TS	Tons	Wet Tons	Dry Tons
01	998,050	3.9	161	997,634	2.2	90	352	101.5
02	1,014,727	3.9	163	1,021,344	2.2	92	329	95.0
03	1,023,186	3.7	157	1,023,393	2.1	91	327	96.8
04	1,001,016	3.7	159	1,001,477	2.1	90	290	86.4
05	1,050,999	3.7	162	1,103,992	1.9	90	311	91.5
06	1,038,458	3.6	154	1,038,460	2.0	87	298	91.3
07	946,551	3.9	154	946,551	2.1	83	260	77.7
08	959,307	3.9	155	959,307	2.1	85	332	96.2
09	1,005,787	3.9	160	1,005,787	2.2	93	326	94.2
10	1,018,142	3.7	158	1,018,142	2.2	91	345	101.3
11	910,898	3.7	138	910,898	2.2	81	373	110.3
12	905,829	3.7	142	905,829	2.1	79	338	98.4
avg	989,413	3.8	155	994,401	2.1	88	323	95.1

Note: A ton is a "short ton" or 2000 lbs of dry solids.

Values for Wet Tons of dewatered sludge are based on calculated volumes from eight positive displacement cake pumps and are subject to inaccuracies. The mechanical condition of the cake pumps and the variability of sludge concentrations can effect the overall accuracies of these reported values.

## D. Chemical usage

### Point Loma Annual Chemical Usage Report Monthly Totals - 2006

Month	Polymer Pt.Loma Gallons	Polymer Pt.Loma Lbs.	ACTIVE Polymer Pt.Loma Lbs.	Ferric Chloride PS #2 Gallons	Ferrous Chloride PS #2 Gallons	Ferric Chloride Pt.Loma Gallons	Sodium hydroxide PS #1 Gallons	Sodium hydroxide PS #2 Gallons	Sodium hydroxide Pt.Loma Gallons	NaOCl PS #1 Gallons	NaOCl PS #2 Gallons	NaOCl Pt.Loma Gallons	Salt PS #1 Lbs.	Salt PS #2 Lbs.	Salt Pt.Loma Lbs.
01	161,410		6,940	102,930		239,394	138	41	2,921	24	800	14,108	500	1,450	15,500
02	138,154		5,962	98,820		206,160	176		3,703	9		13,116	900		14,000
03	154,471		6,670	78,607		235,681	177	19	2,842	309	73	17,497	600	900	15,500
04	147,097		6,348	45,278		228,126	64	9	3,955	30	270	23,054	300	800	15,000
05	146,616		6,332	18,340		226,608	235	45	3,959	206	377	20,770	1,050	950	15,500
06	141,566		6,111	0		142,041	184	48	3,412	36	780	21,842	1,150	400	15,000
07	146,296		6,323	0		124,968	154	603	2,401	39	791	21,800	800	1,400	15,500
08	144,329		6,231	0		141,471	202	207	2,329	76	962	17,752	150	850	15,500
09	136,579		5,897	9,708		176,103	291	71	3,913	1,217	1,012	18,020	1,100	676	15,000
10	140,888		6,082	62,397		218,158	283	132	3,938	1,097	1,077	20,523	150	1,000	15,500
11	135,596		5,849	63,570		210,874	295	261	3,487	1,055	785	17,337	950	1,250	15,000
12	140,790		5,951	56,970		217,049	314	299	2,822	1,102	1,264	18,726	1,300	1,000	15,500
avg	144,483		6,225	44,718		197,219	209	158	3,307	433	745	18,712	746	971	15,208
sum	1,733,793		74,696	536,620		2,366,633	2,513	1,735	39,682	5,200	8,191	224,545	8,950	10,676	182,500

Note:

Pilot study for hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) started at PS 2 on 5/9/06 and at Pt. Loma on 5/24/06. Point Loma stopped using H<sub>2</sub>O<sub>2</sub> on Sept 20 and increased the Ferric feed to the Point Loma influent. On Sept 22 the H<sub>2</sub>O<sub>2</sub> feed at Pump Station 2 was turned off and the Ferric feed turned on.

## E. Gas Production

### Point Loma Wastewater Treatment Plant

Gas Report - 2006

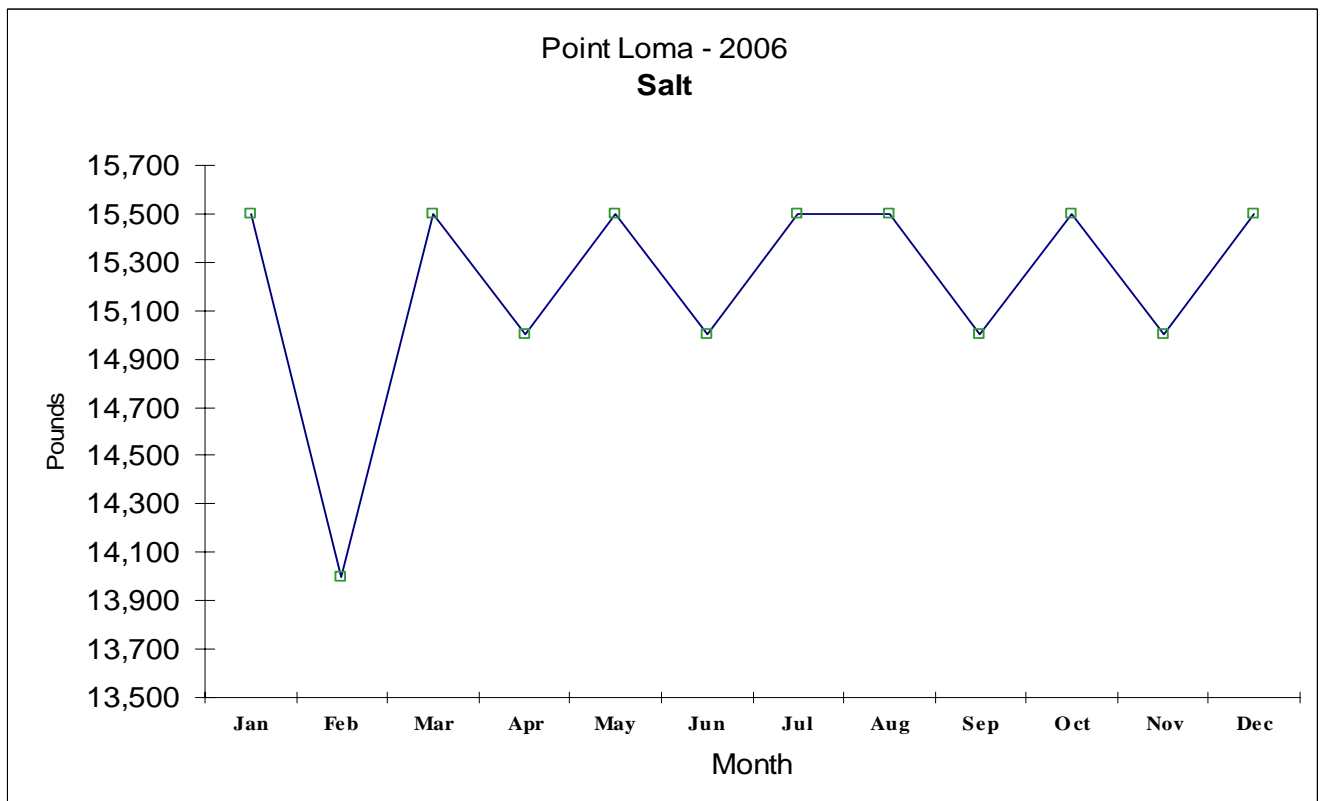
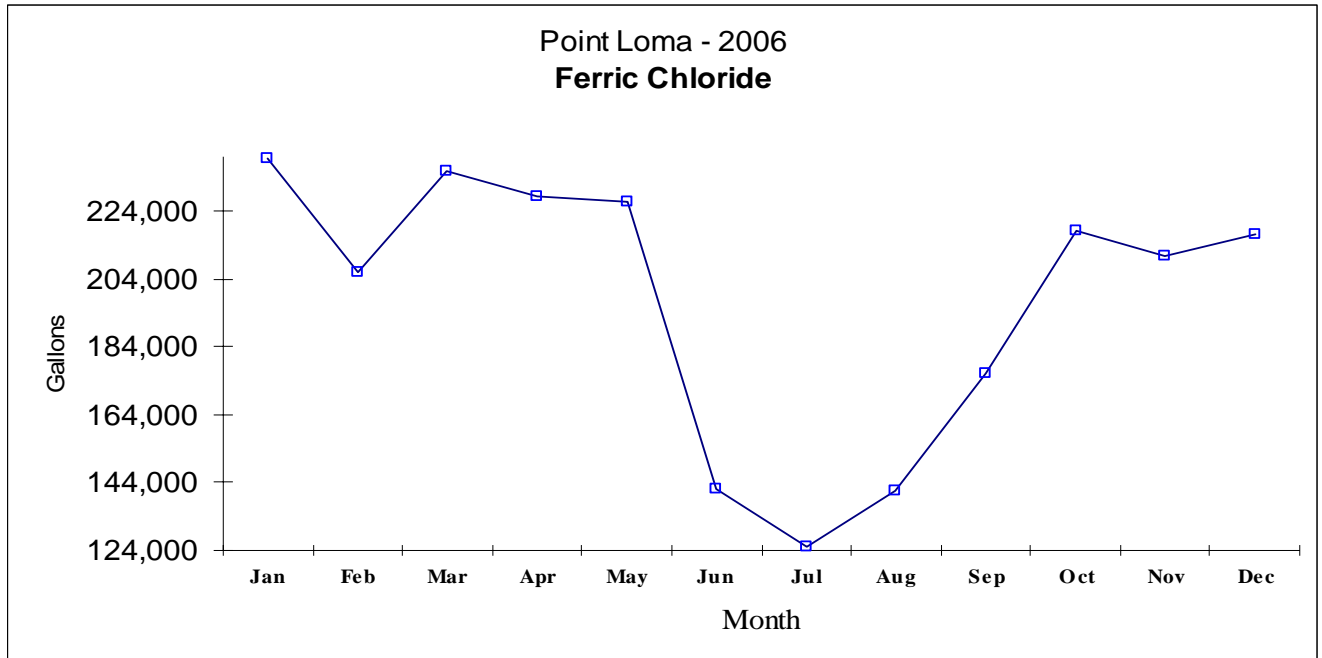
Daily Monthly Averages

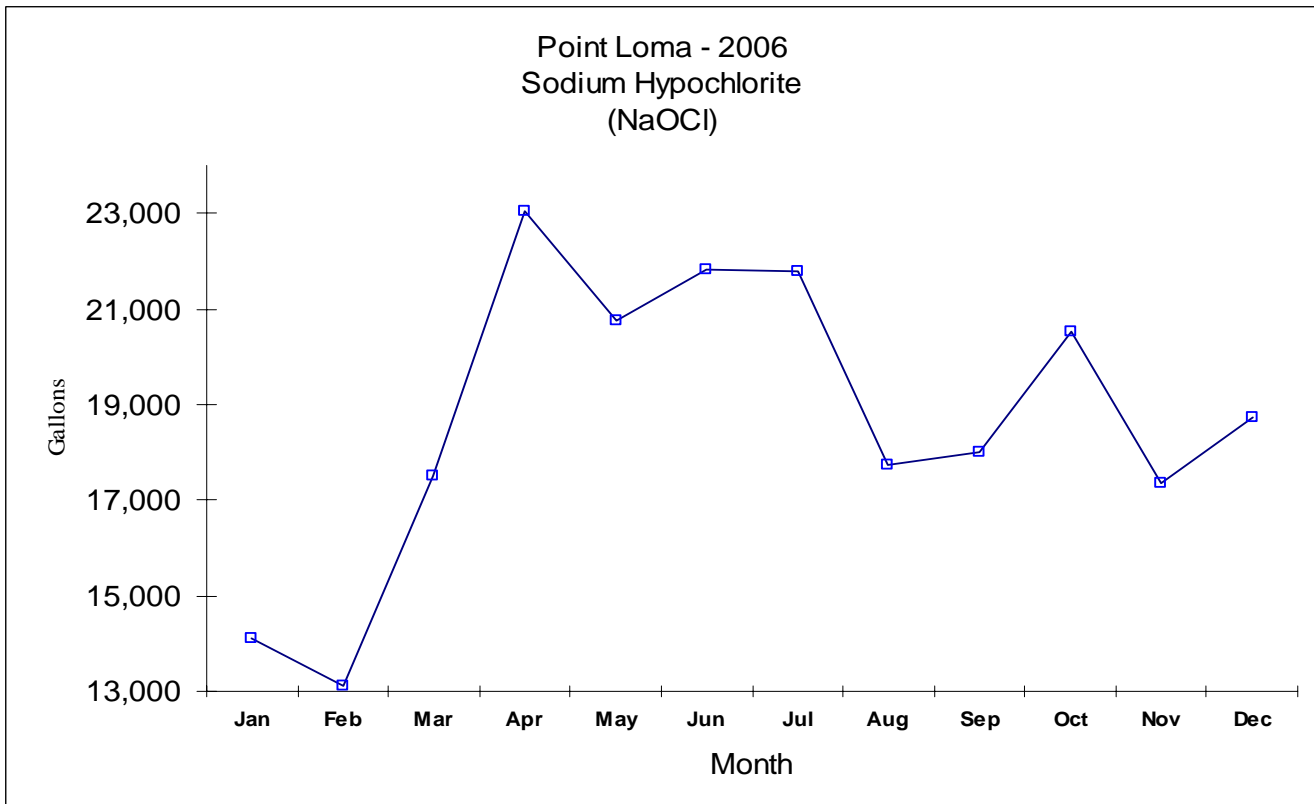
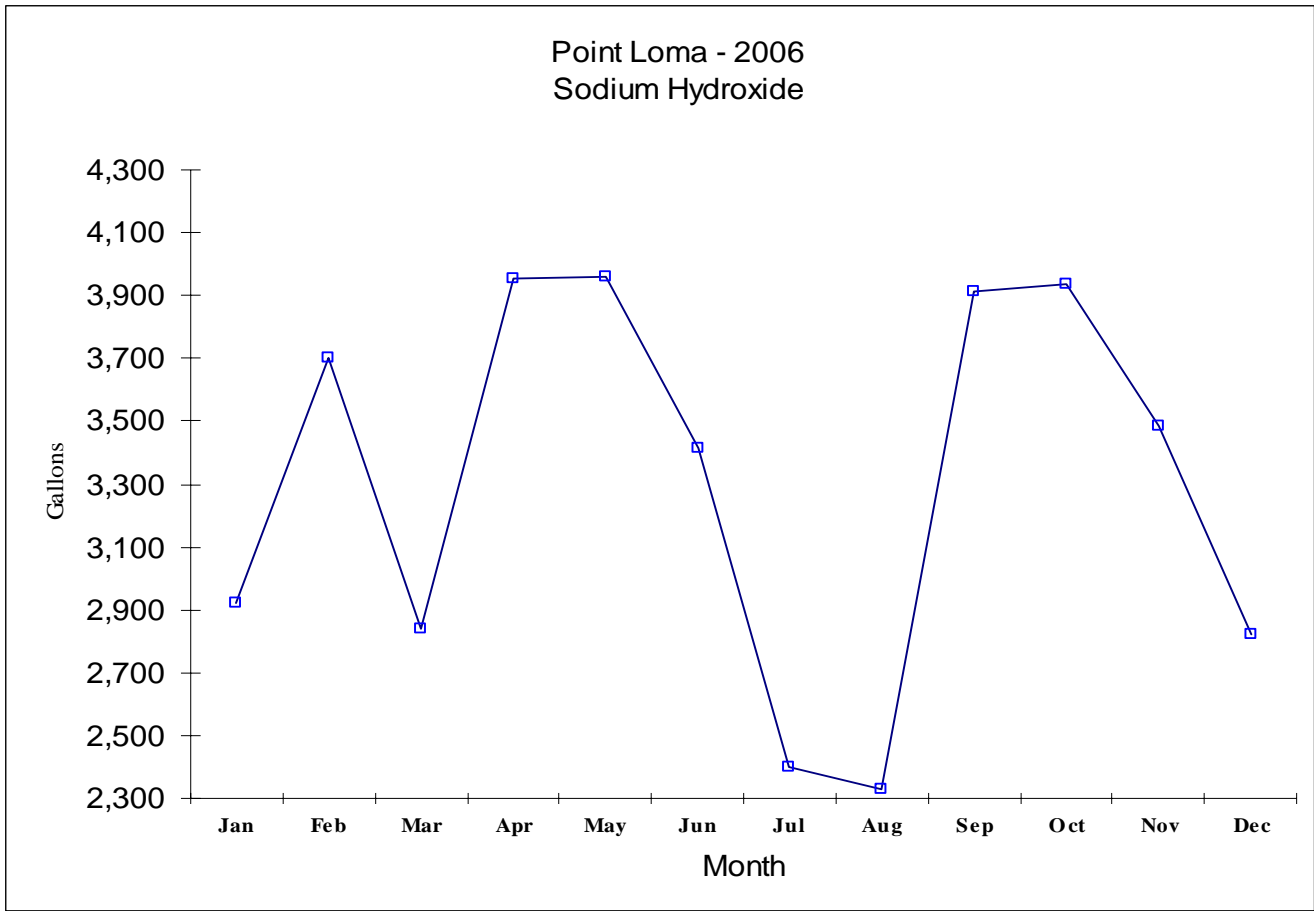
GAS PRODUCTION (x1000 Cu. Ft.)					GAS CONSUMPTION (x1000 Cu. Ft.)							
Month	N-1-P	N-2-P	C-1-P	C-2-P	S-1-P	S-2-P	Dig 7	Total	Boilers	Burners	GUF	Total
01	548.7	551.9	472.7	424.4	.0	.0	70.8	1,997.7	112	1,658	1,500	3,270
02	549.3	558.9	471.8	417.7	.0	.0	72.4	1,997.7	78	1,400	1,746	3,225
03	569.9	536.8	488.8	427.9	.0	.0	75.9	2,023.4	53	1,552	1,733	3,338
04	566.5	522.7	439.4	420.8	.0	27.1	77.2	1,976.5	47	1,429	1,768	3,244
05	463.8	442.6	366.3	355.8	165.2	294.7	51.6	2,088.4	63	1,426	1,769	3,257
06	410.2	413.0	334.1	324.8	363.4	295.7	45.5	2,141.1	85	1,765	1,424	3,273
07	384.0	436.7	337.7	311.0	347.0	294.2	30.2	2,110.6	70	2,229	1,001	3,300
08	363.3	452.8	331.6	302.5	346.6	304.3	39.4	2,101.2	54	1,698	1,429	3,180
09	321.0	465.9	336.9	305.7	347.4	304.6	45.2	2,081.5	47	1,250	1,807	3,103
10	321.4	479.4	370.9	330.5	335.5	288.0	40.5	2,125.6	98	1,289	1,799	3,187
11	290.1	485.8	393.9	341.8	306.2	270.2	47.8	2,088.1	113	1,407	1,694	3,214
12	290.9	431.3	414.0	357.5	302.4	269.1	49.5	2,065.1	188	1,296	1,755	3,239
avg	423.3	481.5	396.5	360.0	209.5	195.7	53.8	2,066.4	84	1,533	1,619	3,236

### Monthly Totals

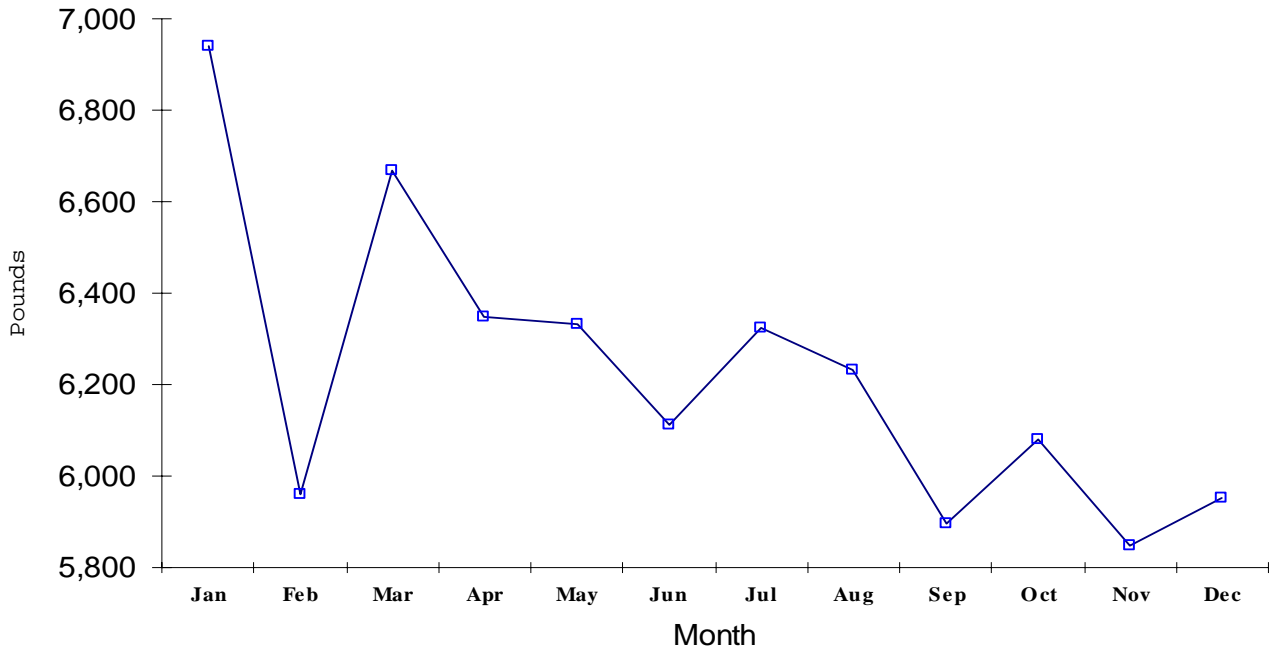
GAS PRODUCTION (x1000 Cu. Ft.)					GAS CONSUMPTION (x1000 Cu. Ft.)							
Month	N-1-P	N-2-P	C-1-P	C-2-P	S-1-P	S-2-P	Dig 7	Total	Boilers	Burners	GUF	Total
01	17,009.0	17,109.0	14,655.0	13,157.0	.0	.0	2,195.0	61,930.0	3,476	51,394	46,497	101,367
02	15,381.0	15,649.0	13,209.0	11,696.0	.0	.0	2,027.0	55,935.0	2,186	39,213	48,899	90,298
03	17,666.0	16,640.0	15,153.0	13,266.0	.0	.0	2,353.0	62,725.0	1,655	48,106	53,721	103,482
04	16,995.0	15,680.0	13,183.0	12,624.0	.0	813.0	2,317.0	59,295.0	1,413	42,855	53,047	97,315
05	14,377.0	13,720.0	11,355.0	11,031.0	5,122.0	9,135.0	1,601.0	64,740.0	1,944	44,194	54,828	100,966
06	12,305.0	12,390.0	10,022.0	9,743.0	10,901.0	8,872.0	1,364.0	64,233.0	2,535	52,943	42,711	98,189
07	11,904.0	13,538.0	10,470.0	9,640.0	10,758.0	9,119.0	937.0	65,429.0	2,171	69,100	31,036	102,307
08	11,263.0	14,038.0	10,279.0	9,378.0	10,744.0	9,434.0	1,220.0	65,136.0	1,665	52,640	44,288	98,593
09	9,631.0	13,976.0	10,108.0	9,170.0	10,421.0	9,138.0	1,357.0	62,444.0	1,396	37,488	54,213	93,097
10	9,964.0	14,861.0	11,498.0	10,246.0	10,399.0	8,927.0	1,254.0	65,895.0	3,040	39,962	55,780	98,782
11	8,704.0	14,575.0	11,818.0	10,254.0	9,185.0	8,106.0	1,435.0	62,642.0	3,398	42,217	50,808	96,423
12	9,019.0	13,369.0	12,833.0	11,082.0	9,373.0	8,342.0	1,533.0	64,018.0	5,823	40,188	54,394	100,405
avg	12,851.5	14,628.8	12,048.6	10,940.6	6,408.6	5,990.5	1,632.8	62,868.5	2,559	46,692	49,185	98,435
sum	154,218.0	175,545.0	144,583.0	131,287.0	76,903.0	71,886.0	19,593.0	754,422.0	30,702	560,300	590,222	1,181,224

## F. Graphs of Chemical Usage





Point Loma - 2006  
Polymer / Active Polymer



## G. Facilities Out-of-Service Report

### FACILITIES THAT WERE OUT OF SERVICE IN 2006 BY DATE

FACILITY OOS	FROM	TO	REASON
Sed Basin #1	01/01	12/31	Tank Repair
Sed Basin #3	01/01	01/26	Tank Repair
Sed Basin #5	01/01	07/07	Tank Repair
Sed Basin #10	01/01	10/02	Tank Repair
East Inf Channel	01/01	02/02	Channel rotation/ grit scouring
Inf Screen #2	01/02	01/24	Preventive Maintenance
Sed Basin #9	01/26	10/03	Problem with cross collector sprocket (tank repair)
Inf Screen #2	02/01	03/15	Framing is out of alignment
West Inf Channel	02/02	03/15	Channel rotation/ grit scouring
East Inf Channel	03/15	04/12	Channel rotation/ grit scouring
Inf Screen # 4	03/21	04/20	Carriage bearings
West Inf Channel	04/12	05/10	Channel rotation/ grit scouring
East Inf Channel	05/10	06/13	Channel rotation/ grit scouring
West Inf Channel	06/13	07/12	Channel rotation/ grit scouring
N2 Grit basin	06/22	06/23	Plugged up
Sed Basin 11	07/07	12/07	Cleaning
Sed Basin 12	07/07	12/31	Cleaning
East Inf Channel	07/12	08/08	Channel rotation/ grit scouring
Inf Screen # 3	07/18	08/10	Framing is out of alignment
West Inf Channel	08/08	09/13	Channel rotation/ grit scouring
East Inf Channel	09/13	10/11	Channel rotation/ grit scouring
West Inf Channel	10/11	11/21	Channel rotation/ grit scouring
Sed Basin #3	10/02	12/31	Guide rails coming off
East Inf Channel	11/21	12/12	Channel rotation/ grit scouring
Sed Basin #10	12/05	12/31	Bay 3 flights
West Inf Channel	12/12	12/31	Channel rotation/grit scouring

### FACILITIES THAT WERE OUT OF SERVICE IN 2006 FACILITY: DATES OUT OF SERVICE

#### GRIT CHAMBERS

N1	
N2	6/22/06-06/23/06
C1	
C2	
S1	Out of service all year
S2	Out of service all year

#### CHANNELS

EAST	01/01-02/02; 03/15-04/12; 05/10-06/13; 07/12-08/08; 09/13-10/11; 11/21-12/12
WEST	02/02-03/15; 04/12-05/10; 06/13-07/12; 08/08-09/13; 10/11-11/21; 12/12-12/31

## BASINS

1	01/01-12/31
2	
3	01/01-01/26; 10/2-12/31
4	
5	01/01-07/07
6	
7	
8	
9	01/26-10/02
10	01/01-10/26; 12/05-12/31
11	07/07-12/07
12	07/07-12/31

NORTH EFFLUENT SCREENS	
SOUTH EFFLUENT SCREENS	01/30-02/22
INFLUENT SCREEN #1	
INFLUENT SCREEN #2	01/02-01/24; 02/02-03/15
INFLUENT SCREEN #3	07/18-08/10
INFLUENT SCREEN #4	03/21-04/20
INFLUENT SCREEN #5	

## DIGESTERS

N1P	
N2P	
C1P	
C2P	
S1P	01/01-05/12/06:
S2P	01/01-04/27/06:
Dig 7	
Dig 8	

## SHUTDOWNS

DATE	FROM	TO	REASON
05/24/06	0130	0500	Out fall inspection
05/25/06	0130	0500	Out fall inspection
05/26/06	0130	0500	Out fall inspection
06/9/06	0130	0530	84 inch butterfly valve inspection
07/25/06	0130	0530	Repair traveling screen @ Pump 2
07/28/06	0130	0640	Pump 2 to replace Main Pump Discharge Valve for # 8
08/11/06	0130	0500	Maintenance on engines and cooling towers
08/25/06	0130	0500	Wet well inspection... Point Loma poly system chlorination
09/8/06	0130	0500	Pump 2 C2 traveling screen
09/14/06	0130	0500	Traveling screen maintenance
10/29/06	0130	0500	Replace line in PL outfall vault
11/3/06	0100	0500	Chlorinate Poly System

## H. Grit Analyses

The following are reports of the analyses of grit samples taken from the Pt. Loma WWTP headworks (grit removal chambers) in 2006. Reports include Title 22 analyses and Total Solids. Title 22 sampling and analysis of PLR grit occurs on a Semi-Annual basis. Samples from the grit bins are taken daily for 7 consecutive days and composited together to form the Semi-Annual sample. Although everywhere else in this report PLR refers to Point Loma WWTP raw Influent sewage, in this section, it refers to the grit removed from the grit chambers at the headworks building at the influent end of the plant.

**Point Loma Wastewater Treatment Plant  
Total Solids - Grit and Screenings 2006 (%WT)**

Grit Monthly Averages		Headworks Screenings Monthly Averages		Sludge Screenings Monthly Averages	
JAN	53.8	JAN	39.6	JAN	38.6
FEB	56.3	FEB	45.3	FEB	38.1
MAR	58.2	MAR	49.2	MAR	38.9
APR	57.5	APR	44.8	APR	39.0
MAY	57.0	MAY	40.4	MAY	39.1
JUN	60.0	JUN	37.6	JUN	38.8
JUL	61.4	JUL	45.7	JUL	40.7
AUG	58.5	AUG	24.5	AUG	40.9
SEP	66.8	SEP	37.2	SEP	40.0
OCT	62.7	OCT	46.1	OCT	39.2
NOV	63.3	NOV	41.1	NOV	39.7
DEC	57.6	DEC	41.4	DEC	37.1
<b>AVG</b>	<b>59.4</b>	<b>AVG</b>	<b>41.1</b>	<b>AVG</b>	<b>39.2</b>

**Point Loma Wastewater Treatment Plant  
2006 Grit Total Solids (%WT) at Point Loma**

Day	Jan %WT	Feb %WT	Mar %WT	Apr %WT	May %WT	Jun %WT	Jul %WT	Aug %WT	Sep %WT	Oct %WT	Nov %WT	Dec %WT
1	40.0	51.1	78.5	64.5	70.3	56.0		76.4	59.8	71.2	66.3	
2	40.7	56.1	75.0	60.9	67.9	62.2	64.6	54.2		71.0	72.7	58.6
3	64.3	54.9	70.5	42.2	65.5		84.9	51.9	63.0	65.5	71.0	
4	65.9	50.7	75.0	65.8	66.4	70.8	88.3	50.8	63.0	56.5	50.4	50.5
5	65.8	59.9	55.6	60.6	61.3	64.2	57.3	44.6	70.6	65.2	53.8	
6	57.2	61.3	60.7	62.7	45.4	49.7	56.1	47.8	73.4	46.3	74.9	61.8
7	58.1	50.8	48.0	55.3	45.7	61.0	76.3	63.5	73.6		71.9	
8	61.2	52.4	49.8	64.3	45.6			52.1	63.7	54.9	69.7	62.6
9	56.4	59.5	53.5	66.8	66.5	60.9	59.8	55.3		75.1		62.3
10	43.3	47.9	57.3	75.0	57.5	74.4	74.4	50.1	68.3	68.4	37.1	
11	44.6	66.4	58.7	63.5	53.6	58.3	48.8	49.8	69.5	59.8	52.6	
12	62.2	61.7	62.5	61.0	53.9	68.9	49.4	66.1	71.3	57.6	51.3	60.4
13	56.0	66.9	45.9	49.8	44.7	51.0	50.0	62.5	71.2	63.9	68.0	
14	45.0	62.1	51.9	51.1	53.0	49.9	53.5	50.9	62.6	51.0	68.0	64.3
15	59.8	51.4	57.6	57.5	44.4	47.1		48.5	70.3	58.5	63.3	
16	34.1	58.8	61.2	40.0	56.3	55.0	63.8	46.8		70.5		
17	52.1	56.2	38.4	52.8	56.1		53.8	71.0	67.2	71.6	84.6	53.8
18	45.7	48.9	53.8	52.2	60.1	63.0	51.9	49.5	70.0	78.9	68.1	58.1
19	58.6	48.0	61.1	56.5	52.1	57.2	69.9	54.4	74.5	74.3	56.4	57.4
20	60.6	49.9	44.9	42.1	52.8	63.9	49.4	60.8	71.1	70.5	67.1	59.5
21		65.2	71.4	48.9	56.0	66.8	54.2	58.0	72.5	44.2	63.3	52.9
22	61.2	66.9	55.3	59.8	65.3	64.2	55.7	73.8	71.8	50.9	69.1	53.9
23	54.0	58.8	57.9	54.3	56.3	66.3	57.3	74.6	47.8	55.8		57.5
24		60.8	47.9	61.1	59.0		59.1	54.1	53.3	64.2	70.3	52.4
25	56.8	42.3	57.3	54.4	61.4	52.6	56.9	64.6	77.9	46.4	46.1	63.5
26	55.5	49.8	59.3	51.1	60.3	47.0	67.0	70.3	67.5	49.2		57.4
27	48.9	55.5	62.0	62.1	65.7	49.6	71.3	71.2	71.0	57.7	62.2	64.7
28		60.9	54.6	62.0	50.7	79.7	75.4	64.0	68.0	65.5	72.9	62.6
29	49.3		49.0	76.4	60.9	59.7	63.8	64.5	63.6	64.2	72.0	49.5
30	53.4		66.3	50.7	46.6	59.5	54.9	49.1	48.2	74.0	43.0	45.4
31	54.5		63.7		64.7		50.8	63.2		76.8		
Avg	53.8	56.3	58.2	57.5	57.0	60.0	61.4	58.5	66.8	62.7	63.3	57.6
Min	34.1	42.3	38.4	40.0	44.4	47.0	48.8	44.6	47.8	44.2	37.1	45.4
Max	65.9	66.9	78.5	76.4	70.3	79.7	88.3	76.4	77.9	78.9	84.6	64.7

Point Loma Wastewater Treatment Plant  
**2006 Headworks Screenings Total Solids (%WT) at Point Loma**

Day	Jan %WT	Feb %WT	Mar %WT	Apr %WT	May %WT	Jun %WT	Jul %WT	Aug %WT	Sep %WT	Oct %WT	Nov %WT	Dec %WT
1					39.6	40.6						
2	36.1	42.8					44.1		20.9	55.9	40.5	
3			47.0	52.1					32.7			
4					40.2			21.0	28.0			51.5
5	49.2					35.6	34.1			50.7		
6		51.9	46.6	59.1							42.1	
7								16.2	21.8			38.3
8			40.1		35.2	40.2		40.2		48.2	36.0	
9	32.9	38.7	42.6					25.7	29.0			
10				47.4			38.7					
11					36.4				56.8	43.6		
12	46.4					42.5		17.3				33.9
13		43.7	65.0	41.5			45.8	26.0	42.0			
14											39.8	37.0
15		38.6				33.5		35.7				
16	39.6		61.5		46.2			21.7		43.1	38.7	
17				48.6			45.2	22.0				
18	34.3				44.7				36.1			53.7
19						40.7				39.4		
20		44.9	56.3	37.5			40.1				39.7	
21								21.1	51.3			40.8
22			51.8		43.1	32.5						
23	42.9	47.8						21.8		41.9		
24				34.4			64.9	22.3			44.1	
25					36.7				48.2			
26	37.5			37.6		44.2				34.9		31.9
27		54.2	48.9				36.7				46.6	
28								24.4	42.8			
29			32.0		41.1	28.6		34.3				43.9
30	37.7									57.5	42.5	
31							61.6	17.8				
Avg	39.6	45.3	49.2	44.8	40.4	37.6	45.7	24.5	37.2	46.1	41.1	41.4
Min	32.9	38.6	32.0	34.4	35.2	28.6	34.1	16.2	20.9	34.9	36.0	31.9
Max	49.2	54.2	65.0	59.1	46.2	44.2	64.9	40.2	56.8	57.5	46.6	53.7

**Point Loma Wastewater Treatment Plant**  
**2006 Sludge Screenings Total Solids (%WT) at Point Loma**

Day	Jan % WT	Feb % WT	Mar % WT	Apr % WT	May % WT	Jun % WT	Jul % WT	Aug % WT	Sep % WT	Oct % WT	Nov % WT	Dec % WT
1	36.2	39.6	37.7	38.9	35.1	37.2	36.7	40.3	45.8	40.4	40.3	44.0
2	40.2	36.2	39.7	40.8	34.6	37.7	37.9	35.4	39.8	38.2	38.6	36.2
3	30.1	39.2	37.6	39.5	36.6	38.1	34.6	41.0	44.9	36.3	37.0	38.2
4	38.0	37.0		39.8	39.1	35.0	37.5	42.7	40.6	39.9	38.9	37.6
5	38.0	34.7	44.6	36.6	37.1	38.6	38.0	44.2	38.7	37.8	38.1	38.9
6	37.0	38.5	39.0	38.3		42.9	41.0	37.1	36.9	39.1		42.0
7	45.6	38.2		36.9	48.0	38.0	38.4	41.0	38.7	38.1	38.8	37.8
8	39.1	38.5	37.9	39.7	36.1	39.8	38.5	43.1	41.4	39.6	41.9	36.9
9	39.4	37.8	35.4	37.1	36.8	41.6	42.3	42.1	40.9	43.0	37.4	37.8
10	41.5	42.9	37.3		39.3	40.8	43.0	38.6	40.3	39.7	53.6	36.9
11	35.6	38.7	39.1	38.1	32.5	38.6	35.8	44.3	34.0	40.9	39.2	37.4
12	37.7	37.1	40.2	42.7	38.2	35.9	37.7	38.6	38.8	41.0	41.3	
13	36.7	35.8	38.1	38.6	38.0	36.7	40.4	40.1	38.2	42.0	38.5	37.4
14	34.8	37.7	40.7	36.6	38.3	38.7	40.1	38.4	37.3	37.8	42.3	
15	37.8	42.5	36.9	39.7	45.3	39.4	39.8	39.3	40.9	36.0	38.7	39.1
16	39.7	38.1	37.7	41.5	38.0	39.1		43.7	40.4		36.4	
17	43.5	40.0	43.8	38.4	37.0	41.1	44.0	38.3	41.8	38.4	39.2	38.7
18	37.9	41.0	42.4	39.8	38.9	41.0	40.9	40.6	41.1		37.5	37.8
19	36.2	38.8	38.6	44.2	38.9	40.3	37.8	42.9	39.0	37.3	37.4	34.9
20	38.3	37.6	35.3	36.4	39.6	41.2	55.6	39.0	40.2	36.7	41.6	38.4
21	41.8	36.1	42.0	35.5		39.4	40.0	43.1	44.2	38.3	42.0	35.3
22	42.0	39.3	38.5	38.7	37.1	38.3	64.5	45.0	44.3	38.9		35.4
23	35.6	38.8	36.7	43.1	37.9	38.2	46.7	39.4	39.0	39.4	40.4	37.2
24	37.8	38.1	39.7	36.9	39.3	39.3	36.2	38.5	38.2	44.0	35.6	
25	35.1	38.3	38.1	36.4	38.8	37.2	39.9	39.5		41.1	36.7	36.3
26	50.6	37.9	39.3	39.4	38.3	37.4	37.7	47.2	36.5	37.7	36.2	
27	36.6	33.6	39.2	36.8	42.2	34.9	40.2	40.8	40.1	43.2	36.5	29.6
28	37.2	35.7	36.4	39.7	43.7	37.5	36.4	36.8	38.4	36.7	37.0	
29	38.7		40.7	42.4	42.0	38.1		41.3		37.2	44.8	33.7
30	39.8		37.5	39.5	37.4	40.8	42.3	41.4	41.0		45.7	37.9
31	37.6		39.4		48.7		36.1	45.8				32.3
Avg	38.6	38.1	38.9	39.0	39.1	38.8	40.7	40.9	40.0	39.2	39.7	37.1
Min	30.1	33.6	35.3	35.5	32.5	34.9	34.6	35.4	34.0	36.0	35.6	29.6
Max	50.6	42.9	44.6	44.2	48.7	42.9	64.5	47.2	45.8	44.0	53.6	44.0

Title 22 reports for Grit  
 POINT LOMA WASTEWATER TREATMENT PLANT  
 CALIFORNIA HAZARDOUS WASTE IDENTIFICATION TESTS (Title 22)  
 Metro Biosolids Center Dewatered Sludge

From: 01-JUN-2006 to: 01-JUN-2006

Source: GRIT COMP  
 Sample ID: P342943  
 Sample Date: 01-JUN-2006

INORGANICS	Constituent	MDL	Units	Total Conc	Total Conc	TTLc Limit	W.E.T. Conc	STLC Limit	40 CFR 503	CA Health & Safety Code
				Dry Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Limits **	Limits ***
				mg/Kg	mg/Kg	mg/Kg	mg/L	mg/L	mg/Kg	mg/Kg
Antimony	4.51	mg/kg		1.83	1.03	500	*	15	-	-
Arsenic	.68	mg/kg		1.82	1.03	500	*	5.0	41	-
Barium	.023	mg/kg		148	83.5	10000	*	100	-	-
Beryllium	.004	mg/kg		0.010	0.005	75	*	0.75	-	-
Cadmium	.018	mg/kg		0.64	0.36	100	*	1.0	39	-
Chromium (VI)	NA	mg/kg		NA	NA	500	NA	5.0	-	-
Chromium	.083	mg/kg		22.5	12.7	2500	*	560	1200	-
Cobalt	.083	mg/kg		1.88	1.06	8000	*	80	-	-
Copper	.215	mg/kg		515	290	2500	*	25	1500	2500
Lead	.604	mg/kg		32.2	18.1	1000	*	5.0	300	350
Mercury	.132	mg/kg		0.26	0.15	20	*	0.2	17	-
Molybdenum	.143	mg/kg		4.76	2.68	3500	*	350.0	-	-
Nickel	.063	mg/kg		29.9	16.9	2000	*	20	420	2000
Selenium	.47	mg/kg		ND	ND	100	*	1.0	36	-
Silver	.06	mg/kg		2.99	1.67	500	*	5.0	-	-
Thallium	.771	mg/kg		ND	ND	700	*	7.0	-	-
Vanadium	.064	mg/kg		8.55	4.82	2400	*	24	-	-
Zinc	.946	mg/kg		413	233	5000	*	250	2800	-
Fluoride	NA	mg/kg		NA	NA	18000	NA	180	-	-
Sulfides-Reactive	11	mg/kg		NA	NA	-	-	-	-	-
Sulfides-Total	2170	mg/kg		NA	NA	-	-	-	-	-
Total Solids	NA	Wt%		56.4	-	-	-	-	-	-
Total Volatile Solids	NA	Wt%		38.5	-	-	-	-	-	-
pH	NA	pH Units		6.09	-	>2 - < 12	-	-	-	-

ORGANICS	Constituent	MDL	Units	Total Conc	Total Conc	TTLc Limit	W.E.T. Conc	STLC Limit
				Dry Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Wet Wt.
				mg/Kg	mg/Kg	mg/Kg	mg/L	mg/L
Aldrin	0.00002	mg/Kg		ND	ND	1.4	*	0.14
Chlordanes	0.000014	mg/Kg		0.03820	0.02155	2.5	*	0.25
DDT, DDE, DDD	0.00004	mg/Kg		ND	ND	1.0	*	0.10
2,4-D	3.4	mg/Kg		ND	ND	100	*	10
Dieldrin	0.00002	mg/Kg		ND	ND	8.0	*	0.8
Endrin	0.00003	mg/Kg		ND	ND	0.2	*	0.02
Heptachlor	0.000003	mg/Kg		ND	ND	4.7	*	0.47
Kepone	NA	mg/Kg		NA	NA	21	NA	2
Lindane	0.00001	mg/Kg		0.0046	0.00259	4.0	*	0.4
Methoxychlor	NA	mg/Kg		ND	ND	100	*	10
Mirex	0.00002	mg/Kg		ND	ND	21	*	2
Pentachlorophenol	0.8	mg/Kg		ND	ND	17	NA	1.7
PCBs (Arochlors)	NA	mg/Kg		ND	ND	50	*	5.0
Toxaphene	0.00024	mg/Kg		ND	ND	5	*	0.5
Trichloroethene	0.0253	mg/Kg		ND	ND	2040	*	204
2,4,5-TP	4.4	mg/Kg		ND	ND	10	*	1

TTLc = Total Threshold Limit Concentration.  
 STLC = Soluble Threshold Limit Concentration.  
 W.E.T. = Waste Extraction Technique.  
 \* = The total concentration is less than 10 times the STLC. Therefore by definition, this substance is present in concentrations that are less than the limits for hazardous wastes.  
 \*\* = Limits are in mg/Kg (dry weight) based on 40 CFR part 503.13 Table 3 "Limits for Land Application".  
 \*\*\* = The California State Health and Safety Code 25157.8 established lower a limit for Lead.  
 NA = Not Analyzed, ND= Not Detected, NS= Not Sampled, NR= Not Required  
 MDL = Method Detection Limit (are in mg/Kg per dry weight; except for pH and Total and Volatile Solids)  
 MBCDEWCN = Metro Biosolids Center Dewatered Centrifuged Sludge.  
 TTLc = Total Threshold Limit Concentration.

Title 22 reports for Grit  
 POINT LOMA WASTEWATER TREATMENT PLANT  
 CALIFORNIA HAZARDOUS WASTE IDENTIFICATION TESTS (Title 22)  
 Metro Biosolids Center Dewatered Sludge

From: 01-NOV-2006 to: 01-NOV-2006

Source: GRIT COMP  
 Sample ID: P360432  
 Sample Date: 01-NOV-2006

INORGANICS	Constituent	MDL	Units	Total Conc	Total Conc	TTLc Limit	W.E.T. Conc	STLC Limit	40 CFR 503	CA Health & Safety Code
				Dry Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Limits **	Limits ***
				mg/Kg	mg/Kg	mg/Kg	mg/L	mg/L	mg/Kg	mg/Kg
Antimony	4.51	mg/kg		1.28	0.85	500	*	15	-	-
Arsenic	.68	mg/kg		2.35	1.56	500	*	5.0	41	-
Barium	.023	mg/kg		154	102	10000	*	100	-	-
Beryllium	.004	mg/kg		0.055	0.036	75	*	0.75	-	-
Cadmium	.018	mg/kg		0.38	0.25	100	*	1.0	39	-
Chromium (VI)	NA	mg/kg		NA	NA	500	NA	5.0	-	-
Chromium	.083	mg/kg		25.4	16.8	2500	*	560	1200	-
Cobalt	.083	mg/kg		2.68	1.78	8000	*	80	-	-
Copper	.215	mg/kg		345	229	2500	*	25	1500	2500
Lead	.604	mg/kg		16.6	11.0	1000	*	5.0	300	350
Mercury	.132	mg/kg		0.23	0.15	20	*	0.2	17	-
Molybdenum	.143	mg/kg		5.42	3.59	3500	*	350.0	-	-
Nickel	.063	mg/kg		31.8	21.1	2000	*	20	420	2000
Selenium	.47	mg/kg		0.69	0.46	100	*	1.0	36	-
Silver	.06	mg/kg		2.00	1.33	500	*	5.0	-	-
Thallium	.771	mg/kg		4.21	2.79	700	*	7.0	-	-
Vanadium	.064	mg/kg		12.6	8.35	2400	*	24	-	-
Zinc	.946	mg/kg		364	241	5000	*	250	2800	-
Fluoride	NA	mg/kg		NA	NA	18000	NA	180	-	-
Sulfides-Reactive	11	mg/kg		NA	NA	-	-	-	-	-
Sulfides-Total	2170	mg/kg		NA	NA	-	-	-	-	-
Total Solids	NA	Wt%		66.3	-	-	-	-	-	-
Total Volatile Solids	NA	Wt%		26.9	-	-	-	-	-	-
pH	NA	pH Units		6.74	-	>2 - < 12	-	-	-	-

ORGANICS	Constituent	MDL	Units	Total Conc	Total Conc	TTLc Limit	W.E.T. Conc	STLC Limit
				Dry Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Wet Wt.
				mg/Kg	mg/Kg	mg/Kg	mg/L	mg/L
Aldrin	0.00002	mg/Kg		ND	ND	1.4	*	0.14
Chlordanes	0.000014	mg/Kg		ND	ND	2.5	*	0.25
DDT, DDE, DDD	0.00004	mg/Kg		ND	ND	1.0	*	0.10
2,4-D	3.4	mg/Kg		ND	ND	100	*	10
Dieldrin	0.00002	mg/Kg		ND	ND	8.0	*	0.8
Endrin	0.00003	mg/Kg		ND	ND	0.2	*	0.02
Heptachlor	0.000003	mg/Kg		ND	ND	4.7	*	0.47
Kepone	NA	mg/Kg		NA	NA	21	NA	2
Lindane	0.00001	mg/Kg		ND	ND	4.0	*	0.4
Methoxychlor	NA	mg/Kg		ND	ND	100	*	10
Mirex	0.00002	mg/Kg		ND	ND	21	*	2
Pentachlorophenol	0.8	mg/Kg		ND	ND	17	NA	1.7
PCBs (Arochlors)	NA	mg/Kg		ND	ND	50	*	5.0
Toxaphene	0.00024	mg/Kg		ND	ND	5	*	0.5
Trichloroethene	0.0253	mg/Kg		ND	ND	2040	*	204
2,4,5-TP	4.4	mg/Kg		ND	ND	10	*	1

TTLc = Total Threshold Limit Concentration.  
 STLC = Soluble Threshold Limit Concentration.  
 W.E.T. = Waste Extraction Technique.  
 \* = The total concentration is less than 10 times the STLC. Therefore by definition, this substance is present in concentrations that are less than the limits for hazardous wastes.  
 \*\* = Limits are in mg/Kg (dry weight) based on 40 CFR part 503.13 Table 3 "Limits for Land Application".  
 \*\*\* = The California State Health and Safety Code 25157.8 established lower a limit for Lead.  
 NA = Not Analyzed, ND= Not Detected, NS= Not Sampled, NR= Not Required  
 MDL = Method Detection Limit (are in mg/Kg per dry weight; except for pH and Total and Volatile Solids)  
 MBCDEWCN = Metro Biosolids Center Dewatered Centrifuged Sludge.  
 TTLc = Total Threshold Limit Concentration.

POINT LOMA WASTEWATER TREATMENT PLANT  
 QUARTERLY GRIT COMPOSITES  
 Inorganics and Organics

From: 01-JAN-2006 to: 31-DEC-2006

Analyte:	MDL	Units:	GRIT COMP	GRIT COMP
			01-JUN-2006 P342943	01-NOV-2006 P360432
Aluminum	1.32	MG/KG	2920	4020
Antimony	.45	MG/KG	1.8	1.3
Arsenic	.33	MG/KG	1.82	2.35
Barium	.0063	MG/KG	148.0	154.0
Beryllium	.0039	MG/KG	0.01	0.05
Cadmium	.018	MG/KG	0.6	0.4
Chromium	.083	MG/KG	23	25
Cobalt	.083	MG/KG	1.9	2.7
Copper	.055	MG/KG	515	345
Iron	2	MG/KG	22300	28400
Lead	.6	MG/KG	32	17
Manganese	.012	MG/KG	119	132
Mercury	.003	MG/KG	0.26	0.23
Molybdenum	.14	MG/KG	4.8	5.4
Nickel	.063	MG/KG	30	32
Selenium	.24	MG/KG	<0.24	0.69
Silver	.06	MG/KG	3.0	2.0
Thallium	.77	MG/KG	ND	4
Vanadium	.064	MG/KG	8.6	12.6
Zinc	.12	MG/KG	413	364
pH	.08	PH	6.09	6.74
Total Solids	.24	WT%	56.4	66.3
Total Volatile Solids	.11	WT%	38.5	26.9
Aldrin	71000	MG/KG	ND	ND
2,4-dichlorophenoxyacetic acid	6.84	MG/KG	ND	ND
Dieldrin	35000	MG/KG	ND	ND
Endrin	35000	MG/KG	ND	ND
Heptachlor	16000	MG/KG	ND	ND
BHC, Gamma isomer	18000	MG/KG	<1900.000	ND
Methoxychlor	71000	MG/KG	ND	ND
Pentachlorophenol	1170	MG/KG	ND	ND
Toxaphene	130000	MG/KG	ND	ND
Trichloroethene	25.3	MG/KG	ND	ND
2,4,5-TP (Silvex)	6.33	MG/KG	ND	ND

NA= Not Analyzed, ND= Not Detected, NS= Not Sampled, NR= Not Required

POINT LOMA WASTEWATER TREATMENT PLANT  
GRIT- Chlorinated Pesticide Analysis

From 01-JAN-2006 to 31-DEC-2006

Grit

Analyte	MDL	Units	PLR	PLR
			01-JUN-2006 P342943	01-NOV-2006 P360432
=====	=====	=====	=====	=====
Aldrin	71000	NG/KG	ND	ND
Dieldrin	35000	NG/KG	ND	ND
BHC, Alpha isomer	28000	NG/KG	ND	ND
BHC, Beta isomer	32000	NG/KG	ND	ND
BHC, Gamma isomer	18000	NG/KG	4600	ND
BHC, Delta isomer	28000	NG/KG	ND	ND
o,p-DDD	28000	NG/KG	ND	ND
o,p-DDE	52000	NG/KG	ND	ND
o,p-DDT	71000	NG/KG	ND	ND
p,p-DDD	18000	NG/KG	ND	ND
p,p-DDE	28000	NG/KG	11000	ND
p,p-DDT	35000	NG/KG	ND	ND
Heptachlor	16000	NG/KG	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND
Alpha (cis) Chlordane	13000	NG/KG	8200	ND
Gamma (trans) Chlordane	48000	NG/KG	30000	ND
Alpha Chlordene		NG/KG	NA	NA
Gamma Chlordene		NG/KG	NA	NA
Oxychlordane	28000	NG/KG	ND	ND
Trans Nonachlor	18000	NG/KG	8300	ND
Cis Nonachlor	52000	NG/KG	ND	ND
Alpha Endosulfan	18000	NG/KG	ND	ND
Beta Endosulfan	28000	NG/KG	ND	ND
Endosulfan Sulfate	45000	NG/KG	ND	ND
Endrin	35000	NG/KG	ND	ND
Endrin aldehyde	52000	NG/KG	ND	ND
Toxaphene	130000	NG/KG	ND	ND
Mirex	18000	NG/KG	ND	ND
Methoxychlor	71000	NG/KG	ND	ND
PCB 1016	260000	NG/KG	ND	ND
PCB 1221	580000	NG/KG	ND	ND
PCB 1232	220000	NG/KG	ND	ND
PCB 1242		NG/KG	ND	ND
PCB 1248	310000	NG/KG	ND	ND
PCB 1254	130000	NG/KG	ND	ND
PCB 1260	86000	NG/KG	ND	ND
PCB 1262		NG/KG	ND	ND
=====	=====	=====	=====	=====
Aldrin + Dieldrin	71000	NG/KG	0	0
Hexachlorocyclohexanes	32000	NG/KG	4600	0
DDT and derivatives	71000	NG/KG	11000	0
Chlordane + related cmpds.	52000	NG/KG	46500	0
Polychlorinated biphenyls	580000	NG/KG	0	0
=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	580000	NG/KG	62100	0

nd=not detected; NS=not sampled; NA=not analyzed

POINT LOMA WASTEWATER TREATMENT PLANT  
GRIT- ANALYSIS-ACID EXTRACTABLE COMPOUNDS

From 01-JAN-2006 to 31-DEC-2006

Analyte	MDL	Units	PLR	
			01-JUN-2006 P342943	01-NOV-2006 P360432
2-chlorophenol	1310	UG/KG	ND	ND
2,4-dichlorophenol	914	UG/KG	ND	ND
4-chloro-3-methylphenol	1900	UG/KG	ND	ND
2,4,6-trichlorophenol	1600	UG/KG	ND	ND
Pentachlorophenol	1170	UG/KG	ND	ND
Phenol	1440	UG/KG	ND	ND
2-nitrophenol	1600	UG/KG	ND	ND
2,4-dimethylphenol	1070	UG/KG	ND	ND
2,4-dinitrophenol		UG/KG	ND	ND
4-nitrophenol		UG/KG	ND	ND
2-methyl-4,6-dinitrophenol		UG/KG	ND	ND
Total Chlorinated Phenols	1900	UG/KG	0.0	0.0
Total Non-Chlorinated Phenols	1600	UG/KG	0.0	0.0
Phenols	1900	UG/KG	0.0	0.0

nd= not detected, NA= not analyzed NS= not sampled

POINT LOMA WASTEWATER TREATMENT PLANT  
GRIT - Priority Pollutants Base/Neutral Compounds

From 01-JAN-2006 to 31-DEC-2006

Analytes	MDL	Units	PLR	
			01-JUN-2006 P342943	01-NOV-2006 P360432
=====	=====	=====	=====	=====
bis(2-chloroethyl) ether	1420	UG/KG	ND	ND
1,3-dichlorobenzene	733	UG/KG	ND	ND
1,2-dichlorobenzene	342	UG/KG	ND	ND
1,4-dichlorobenzene	1270	UG/KG	14500	5780
Bis-(2-chloroisopropyl) ether	1090	UG/KG	ND	ND
N-nitrosodi-n-propylamine	1360	UG/KG	ND	ND
Nitrobenzene	2800	UG/KG	ND	ND
Hexachloroethane	382	UG/KG	ND	ND
Isophorone	1820	UG/KG	ND	ND
bis(2-chloroethoxy)methane	1630	UG/KG	ND	ND
1,2,4-trichlorobenzene	979	UG/KG	ND	ND
Naphthalene	2150	UG/KG	ND	ND
Hexachlorobutadiene	940	UG/KG	ND	ND
Hexachlorocyclopentadiene	1890	UG/KG	ND	ND
2-chloronaphthalene		UG/KG	ND	ND
Acenaphthylene	584	UG/KG	ND	ND
Dimethyl phthalate	356	UG/KG	ND	ND
2,6-dinitrotoluene	1890	UG/KG	ND	ND
Acenaphthene	863	UG/KG	ND	ND
2,4-dinitrotoluene	1030	UG/KG	ND	ND
Fluorene	2520	UG/KG	ND	ND
4-chlorophenyl phenyl ether	362	UG/KG	ND	ND
Diethyl phthalate	1400	UG/KG	ND	ND
N-nitrosodiphenylamine	1330	UG/KG	ND	ND
4-bromophenyl phenyl ether	1030	UG/KG	ND	ND
Hexachlorobenzene	813	UG/KG	ND	ND
Phenanthrene	1040	UG/KG	ND	ND
Anthracene	986	UG/KG	ND	ND
Di-n-butyl phthalate	1450	UG/KG	ND	ND
N-nitrosodimethylamine		UG/KG	ND	ND
Fluoranthene	216	UG/KG	ND	758
Pyrene	1150	UG/KG	ND	1240
Butyl benzyl phthalate	2210	UG/KG	ND	<2210
Chrysene	352	UG/KG	ND	741
Benzo[A]anthracene	1100	UG/KG	ND	ND
Bis-(2-ethylhexyl) phthalate	3960	UG/KG	109500**	16700
Di-n-octyl phthalate	3460	UG/KG	ND	ND
Benzo[K]fluoranthene	1930	UG/KG	ND	ND
3,4-benzo(B)fluoranthene	1127	UG/KG	ND	ND
Benzo[A]pyrene	741	UG/KG	ND	ND
Indeno(1,2,3-CD)pyrene	953	UG/KG	ND	ND
Dibenzo(A,H)anthracene	616	UG/KG	ND	ND
Benzo[G,H,I]perylene	301	UG/KG	ND	ND
1,2-diphenylhydrazine	1590	UG/KG	ND	ND
=====	=====	=====	=====	=====
Polynuc. Aromatic Hydrocarbons	2520	UG/KG	0	1981
Total Dichlorobenzenes	733	UG/KG	0	0
=====	=====	=====	=====	=====
Base/Neutral Compounds	3960	UG/KG	14500	25219

\*\* Bis-(2-ethylhexyl) phthalate found in method blank in concentrations above MDL, this result did not meet quality control criteria.

nd= not detected, NA= not analyzed, NS= not sampled

POINT LOMA WASTEWATER TREATMENT PLANT  
GRIT - Priority Pollutants Purgeable Compounds

From 01-JAN-2006 to 31-DEC-2006

Analyte	MDL	Units	PLR	
			01-JUN-2006 P342943	01-NOV-2006 P360432
Chloromethane	25.8	UG/KG	ND	ND
Bromomethane	29.2	UG/KG	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND
Chloroethane	61	UG/KG	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND
Methylene chloride	62.5	UG/KG	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND
Chloroform	25.6	UG/KG	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND
Benzene	26.5	UG/KG	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND
Bromoform	26.1	UG/KG	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND
Tetrachloroethene	21.5	UG/KG	<21.5	ND
Chlorobenzene	31.1	UG/KG	ND	ND
Toluene	48	UG/KG	95.5	122.0
Ethylbenzene	90.5	UG/KG	ND	ND
Acrylonitrile	275	UG/KG	ND	ND
Acrolein	70.9	UG/KG	ND	ND
Halomethane Purgeable Cmpnds	29.2	UG/KG	0.0	0.0
Purgeable Compounds	275	UG/KG	<95.5	122.0

Additional analytes determined;

Allyl chloride	25	UG/KG	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND
meta,para xylenes	35	UG/KG	ND	ND
Styrene	19	UG/KG	ND	ND
1,2,4-trichlorobenzene	979	UG/KG	ND	ND
Methyl Iodide	19	UG/KG	ND	ND
Chloroprene	17	UG/KG	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND
2-nitropropane		UG/KG	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND
Isopropylbenzene	17	UG/KG	ND	ND
Benzyl chloride	38	UG/KG	ND	ND
ortho-xylene	23	UG/KG	ND	ND
Acetone	185	UG/KG	659.0	6410.0
Carbon disulfide	34	UG/KG	62.1	80.4
2-butanone		UG/KG	266.0	2060.0

nd= not detected, NA= not analyzed, NS= not sampled

POINT LOMA WASTEWATER TREATMENT PLANT  
GRIT - Herbicides

From 01-JAN-2006 to 31-DEC-2006

Sampling: AM, PL\_OPS  
Analysis: TB,KD

Analyte	MDL	Units	PLR	PLR
			01-JUN-2006	01-NOV-2006
			P342943	P360432
2,4-dichlorophenoxyacetic acid	6.84	MG/KG	ND	ND
2,4,5-TP (Silvex)	6.33	MG/KG	ND	ND

nd=not detected; NS=not sampled; NA=not analyzed

## I. Raw Sludge Data Summary

POINT LOMA WASTEWATER TREATMENT PLANT ANNUAL REPORT  
YEAR: 2006

Raw Sludge  
Average of 3 Shifts

Month	pH	%Total Solids	%Total Volatile Solids
January	6.25	3.9	75.8
February	6.26	3.9	76.7
March	6.34	3.7	76.7
April	6.04	3.7	77.4
May	6.08	3.7	77.6
June	6.16	3.6	77.8
July	5.99	3.9	78.8
August	6.00	3.9	78.0
September	6.00	3.9	76.3
October	5.92	3.7	75.8
November	5.96	3.8	76.0
December	6.10	3.7	76.8
Averages	6.09	3.8	77.0

## J. Digester and Digested Sludge Data Summary

### Point Loma Wastewater Treatment Plant Annual Report 2006 Digesters

#### N1P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2006	7.22	2.2	56.1	2960	60	62.9	36.6
FEBRUARY -2006	7.20	2.1	56.3	2950	67	62.6	36.7
MARCH -2006	7.20	2.0	56.8	2920	65	62.4	37.1
APRIL -2006	7.24	2.0	57.7	2680	61	62.0	37.5
MAY -2006	7.25	2.0	57.8	2580	63	62.5	37.1
JUNE -2006	7.18	2.0	57.6	2510	67	62.7	36.7
JULY -2006	7.13	2.1	57.6	2520	78	62.5	36.9
AUGUST -2006	7.07	2.1	57.2	2540	71	62.9	36.8
SEPTEMBER-2006	7.12	2.1	56.5	2500	65	62.9	36.8
OCTOBER -2006	7.11	2.1	55.4	2460	57	63.2	36.6
NOVEMBER -2006	7.19	2.1	55.6	2710	53	63.3	36.4
DECEMBER -2006	7.14	2.1	55.8	2800	54	63.2	36.6
Average:	7.17	2.1	56.7	2678	63	62.8	36.8

#### N2P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2006	7.19	2.1	56.4	2950	60	62.9	36.5
FEBRUARY -2006	7.19	2.1	57.1	2920	63	62.6	36.9
MARCH -2006	7.23	2.0	56.6	2970	65	62.5	37.0
APRIL -2006	7.26	2.0	57.0	2740	58	62.0	37.5
MAY -2006	7.24	2.0	57.0	2700	62	62.8	36.7
JUNE -2006	7.15	2.0	56.3	2590	68	62.9	36.6
JULY -2006	7.11	1.9	58.2	2520	77	62.6	36.9
AUGUST -2006	7.08	2.0	56.9	2600	70	63.0	36.7
SEPTEMBER-2006	7.14	2.1	57.2	2620	66	63.0	36.8
OCTOBER -2006	7.13	2.0	56.1	2550	57	63.3	36.5
NOVEMBER -2006	7.19	2.0	56.3	2920	58	63.2	36.5
DECEMBER -2006	7.16	2.0	56.7	2890	55	63.1	36.6
Average:	7.17	2.0	56.8	2748	63	62.8	36.8

#### C1P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2006	7.21	2.2	54.9	2980	59	63.2	36.4	15
FEBRUARY -2006	7.20	2.3	54.8	2980	64	63.0	36.6	16
MARCH -2006	7.22	2.3	54.8	2930	68	62.7	36.9	21
APRIL -2006	7.21	2.2	55.7	2690	67	62.4	37.3	34
MAY -2006	7.19	2.2	55.8	2580	70	62.8	36.8	43
JUNE -2006	7.18	2.2	55.4	2530	77	63.4	36.3	52
JULY -2006	7.12	2.2	55.1	2540	73	63.2	36.5	64
AUGUST -2006	7.10	2.2	55.5	2550	70	63.3	36.4	50
SEPTEMBER-2006	7.14	2.3	54.8	2500	64	63.3	36.5	54
OCTOBER -2006	7.10	2.3	54.5	2420	62	63.5	36.2	35
NOVEMBER -2006	7.17	2.3	55.1	2570	59	63.5	36.3	24
DECEMBER -2006	7.12	2.3	54.5	2630	55	63.2	36.5	23
Average:	7.16	2.3	55.1	2658	66	63.1	36.6	36

Point Loma Wastewater Treatment Plant Annual Report  
2006 Digesters

C2P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2006	7.24	2.1	55.6	2970	61	63.3	36.3
FEBRUARY -2006	7.22	2.1	56.2	2990	64	63.1	36.6
MARCH -2006	7.24	2.1	56.6	2970	63	62.7	36.9
APRIL -2006	7.22	2.1	57.9	2730	65	62.5	37.2
MAY -2006	7.17	2.1	58.0	2580	73	63.0	36.7
JUNE -2006	7.16	2.1	57.4	2570	72	63.4	36.3
JULY -2006	7.10	2.1	57.8	2540	82	63.0	36.8
AUGUST -2006	7.09	2.0	57.3	2560	71	63.3	36.5
SEPTEMBER-2006	7.10	2.2	56.8	2510	68	63.3	36.5
OCTOBER -2006	7.12	2.1	56.5	2460	59	63.6	36.2
NOVEMBER -2006	7.15	2.2	57.2	2610	63	63.6	36.2
DECEMBER -2006	7.14	2.1	57.1	2690	56	63.3	36.4
Average:	7.16	2.1	57.0	2682	66	63.2	36.6

S1P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2006	*	*	*	*	*	*	*	*
FEBRUARY -2006	*	*	*	*	*	*	*	*
MARCH -2006	*	*	*	*	*	*	*	*
APRIL -2006	*	*	*	*	*	*	*	*
MAY -2006	7.16	1.2	55.1	1780	56	26.2	14.8	*
JUNE -2006	7.09	1.8	55.9	2320	64	63.5	36.2	70
JULY -2006	7.09	2.1	57.9	2600	76	63.1	36.7	*
AUGUST -2006	7.08	2.3	56.8	2640	73	63.4	36.4	*
SEPTEMBER-2006	7.10	2.1	56.7	2640	67	63.4	36.4	*
OCTOBER -2006	7.13	2.3	55.2	2600	59	63.7	36.1	*
NOVEMBER -2006	7.19	2.1	56.1	2790	57	63.7	36.0	*
DECEMBER -2006	7.16	2.0	55.0	2910	56	63.5	36.2	*
Average:	7.13	2.0	56.1	2535	64	58.8	33.6	70

Digester S1P was out of service from January 2006 through April 2006.

S2P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2006	*	*	*	*	*	*	*	*
FEBRUARY -2006	*	*	*	*	*	*	*	*
MARCH -2006	*	*	*	*	*	*	*	*
APRIL -2006	7.28	1.0	55.9	1820	52	61.1	28.5	*
MAY -2006	7.11	1.4	57.8	2090	62	62.3	37.4	*
JUNE -2006	7.16	1.8	57.9	2490	68	63.5	36.1	60
JULY -2006	7.11	2.0	58.2	2550	78	63.0	36.7	*
AUGUST -2006	7.12	2.0	57.6	2550	74	63.4	36.4	*
SEPTEMBER-2006	7.13	2.1	56.9	2540	68	63.5	36.3	*
OCTOBER -2006	7.14	2.1	55.6	2510	60	63.7	36.1	*
NOVEMBER -2006	7.22	2.0	55.7	2730	58	63.7	36.0	*
DECEMBER -2006	7.17	2.0	56.0	2840	56	63.5	36.3	*
Average:	7.16	1.8	56.8	2458	64	63.1	35.5	60

Digester S2P was out of service from January 2006 through March 2006.

Point Loma Wastewater Treatment Plant Annual Report  
2006 Digesters

DIG 7

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2006	7.28	2.0	55.4	3100	63	62.9	36.6	*
FEBRUARY -2006	7.27	1.9	56.8	3080	64	62.6	36.8	*
MARCH -2006	7.30	1.9	57.3	3070	65	62.7	36.7	*
APRIL -2006	7.30	1.9	57.0	2860	59	62.6	36.8	*
MAY -2006	7.23	1.8	56.9	2630	60	62.8	36.7	*
JUNE -2006	7.22	3.4	55.7	2630	67	63.3	36.1	*
JULY -2006	7.19	2.4	57.9	2640	76	62.8	36.6	*
AUGUST -2006	7.18	1.9	57.2	2650	70	63.2	36.4	*
SEPTEMBER-2006	7.21	2.0	57.1	2620	68	63.0	36.6	*
OCTOBER -2006	7.22	2.0	55.4	2590	58	63.2	36.4	*
NOVEMBER -2006	7.26	2.1	55.6	2800	60	63.3	36.3	*
DECEMBER -2006	7.25	2.0	55.7	2880	56	63.0	36.6	*
Average:	7.24	2.1	56.5	2796	64	63.0	36.6	*

DIG 8

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2006	7.21	2.2	57.7	2850	63	63.0	36.4	*
FEBRUARY -2006	7.20	2.1	58.1	2790	67	62.6	36.9	*
MARCH -2006	7.19	2.1	58.3	2740	68	62.1	37.3	*
APRIL -2006	7.20	2.1	58.1	2550	63	61.9	37.5	*
MAY -2006	7.16	2.1	58.9	2420	64	62.8	36.6	*
JUNE -2006	7.14	2.0	58.2	2410	72	63.0	36.5	*
JULY -2006	7.08	2.1	60.2	2390	80	62.7	36.7	*
AUGUST -2006	7.06	2.1	59.2	2340	72	62.8	36.7	*
SEPTEMBER-2006	7.09	2.2	58.4	2340	67	62.9	36.8	*
OCTOBER -2006	7.06	2.1	57.3	2290	59	63.1	36.5	*
NOVEMBER -2006	7.19	2.2	58.0	2510	57	63.0	36.6	*
DECEMBER -2006	7.15	2.1	58.7	2560	54	63.0	36.7	*
Average:	7.14	2.1	58.4	2516	66	62.7	36.8	*