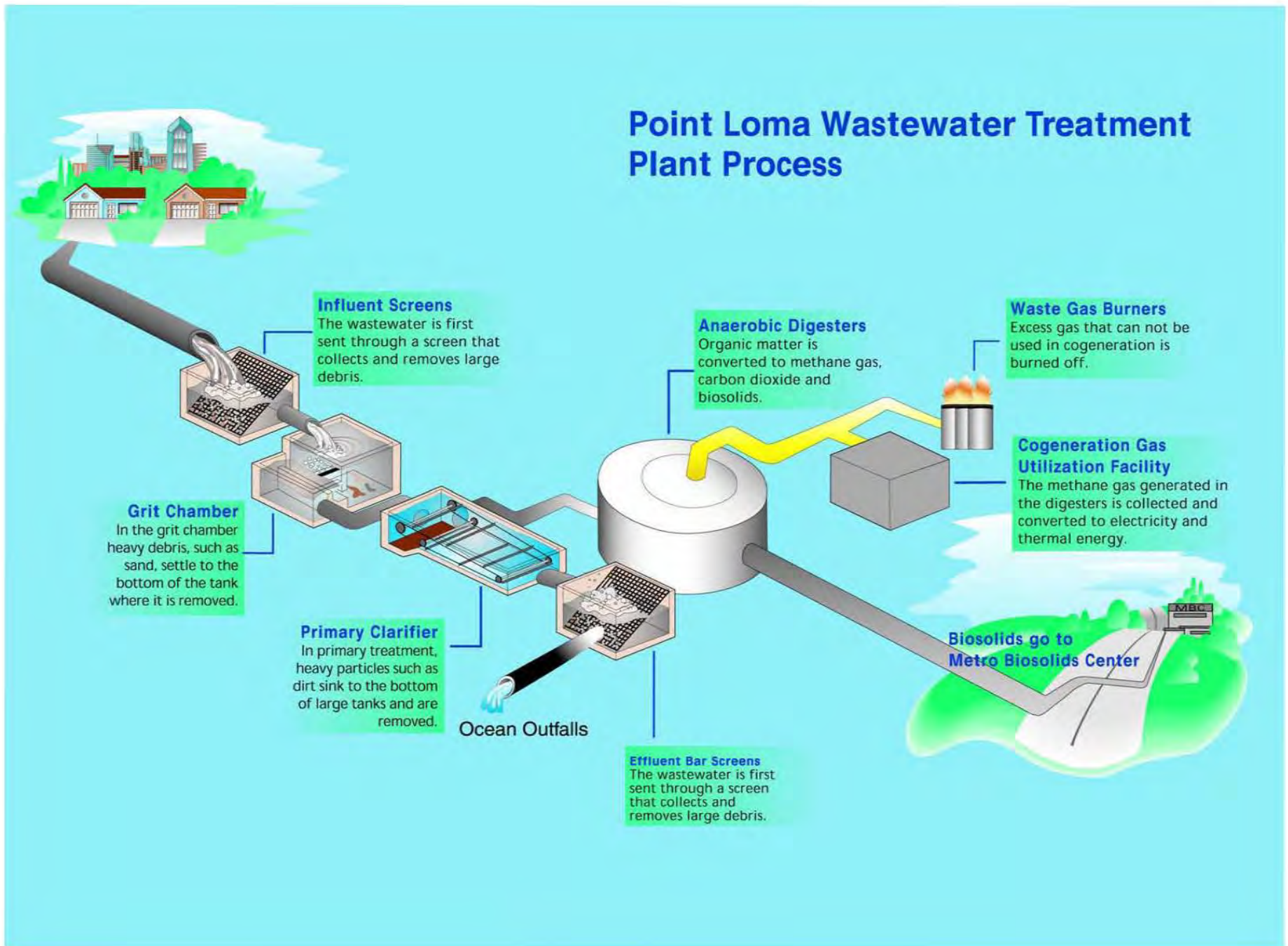
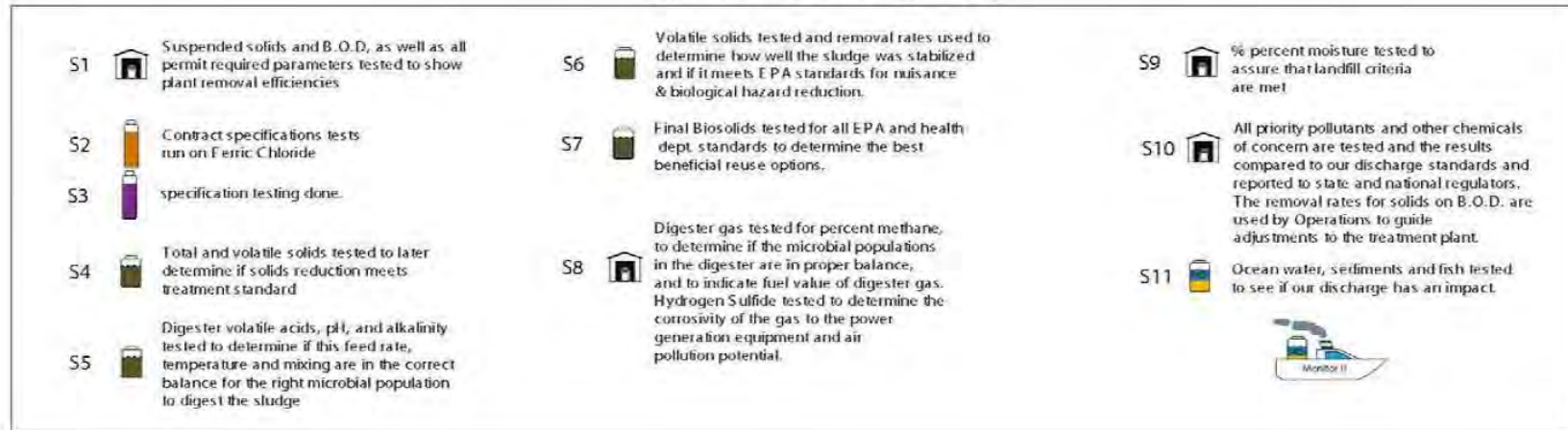


# Point Loma Wastewater Treatment Plant Process



# POINT LOMA TREATMENT PLANT PROCESS FLOW DIAGRAM

## Wastewater Laboratory Testing



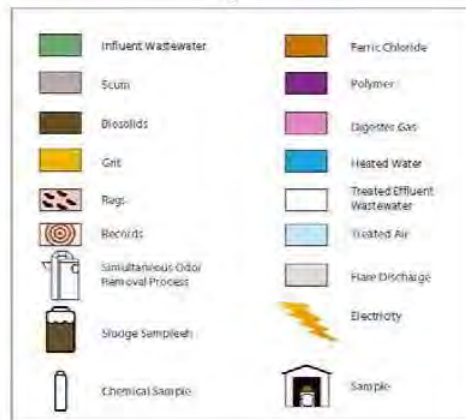
### Pump Station 1



### Pump Station 2



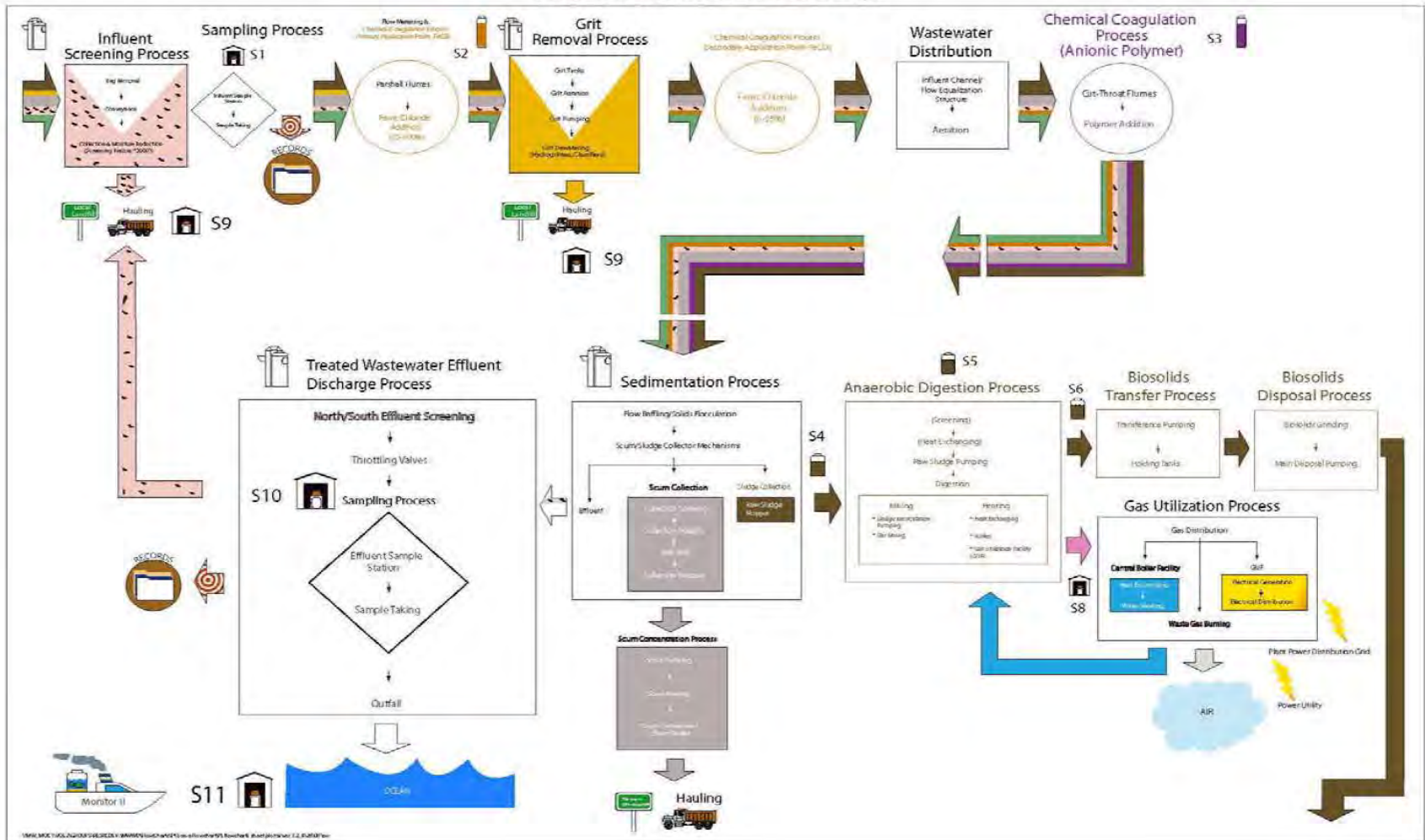
### Legend



### Odor Removal Process



### Point Loma Wastewater Treatment Plant



This page left intentionally blank.

- 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 - 2007

#### WASTEWATER FLOWS Daily Average Flows - Millions of Gallons

Mon	PLWTP Gould	PLWTP ADS	PS#2 Flow	PS#2 Pumps	PS#1 Flows
01	164.1	164.3	167.0	170.4	56.7
02	169.9	171.6	173.4	173.2	58.0
03	165.4	167.2	167.7	162.4	57.1
04	161.0	162.4	163.9	159.1	56.5
05	157.4	158.4	159.1	156.4	56.2
06	157.5	159.0	160.1	157.0	57.4
07	159.2	161.0	158.2	156.7	57.9
08	160.4	163.3	158.8	157.1	58.5
09	158.6	161.6	161.1	158.5	58.9
10	156.5	159.8	153.1	150.5	57.3
11	158.4	161.1	151.7	147.4	57.7
12	169.0	171.4	164.0	163.9	60.0
avg	161.4	163.4	161.5	159.4	57.7

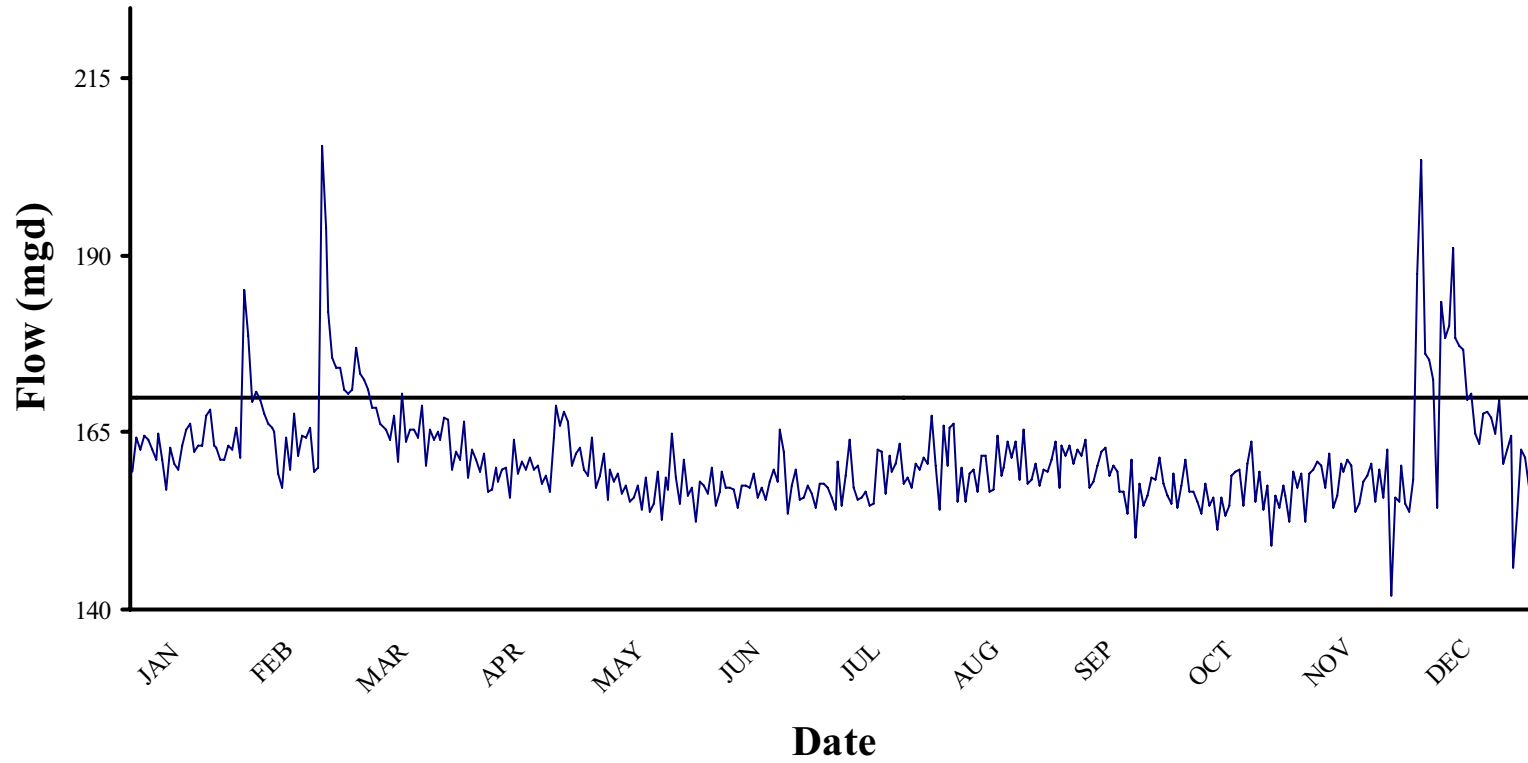
#### WASTEWATER FLOWS Monthly Total Flows - Millions of Gallons

Mon	PLWTP Gould	PLWTP ADS	PS#2 Flow	PS#2 Pumps	PS#1 Flows
01	5,088	4,107	5,177	5,284	1,757
02	4,588	4,805	4,854	4,850	1,624
03	5,127	4,513	5,198	5,034	1,770
04	4,829	4,872	4,917	4,773	1,696
05	4,880	4,911	4,932	4,848	1,742
06	4,724	4,770	4,802	4,709	1,722
07	4,934	4,993	4,905	4,857	1,796
08	4,972	5,061	4,922	4,869	1,814
09	4,757	4,849	4,834	4,754	1,766
10	4,852	4,955	4,746	4,665	1,775
11	4,751	4,834	4,552	4,422	1,732
12	5,238	5,314	5,085	5,081	1,860
avg	4,895	4,832	4,910	4,845	1,754
sum	58,741	57,983	58,923	58,145	21,052

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 2007 Daily Flows (mgd)



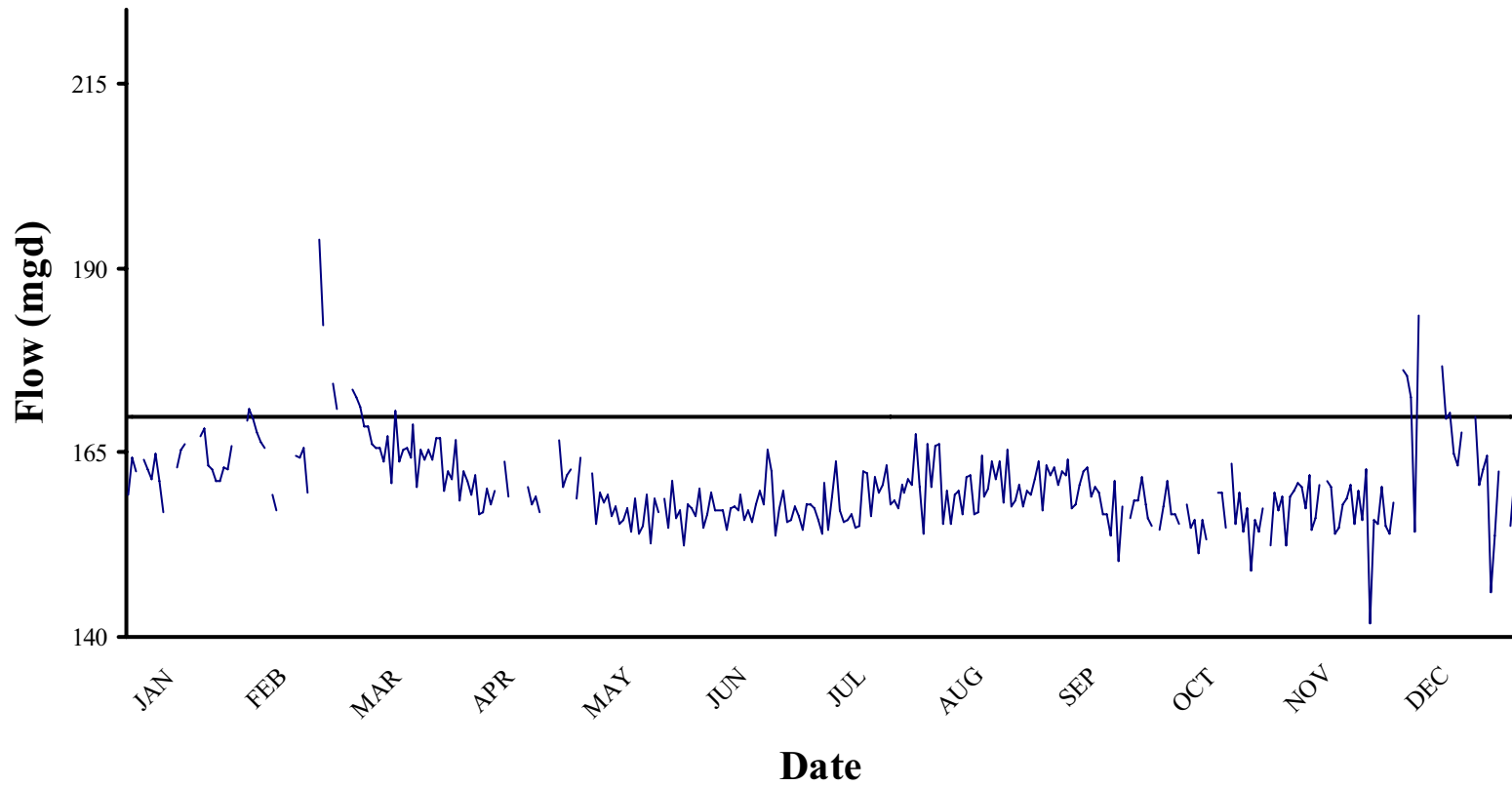


# Point Loma Wastewater Treatment Plant

## 2007 Flows (mgd)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	159.4	169.3	173.4	159.4	157.1	154.7	155.8	165.8	163.1	161.1	152.3	203.4	
2	164.2	170.8	172.4	162.0	158.8	156.6	154.1	166.2	160.5	156.6	159.1	176.2	
3	162.5	169.5	171.2	156.6	162.1	159.5	161.0	155.4	162.6	156.7	159.9	175.3	
4	164.6	167.7	168.5	157.0	155.4	157.2	154.7	159.9	161.8	155.2	160.8	172.6	
5	164.1	166.3	168.6	160.0	159.6	157.2	159.1	155.2	164.1	153.4	160.4	154.3	
6	162.6	165.7	166.2	158.0	158.2	157.1	163.9	159.3	157.3	157.9	157.4	183.6	
7	161.3	165.1	165.7	159.9	159.3	154.5	157.2	159.8	158.0	154.8	162.0	178.4	
8	164.8	159.2	165.5	160.0	156.3	157.5	155.5	156.6	160.5	155.9	154.5	180.0	
9	161.2	157.3	163.9	155.7	157.6	157.6	155.8	161.6	162.3	151.3	156.1	191.0	
10	156.9	164.4	167.3	163.9	155.2	157.2	156.6	161.8	162.9	155.9	160.6	178.5	
11	162.8	159.8	160.9	159.1	155.9	159.2	154.8	156.7	158.9	153.3	159.5	177.4	
12	160.5	167.6	170.6	161.0	157.4	155.9	155.1	156.8	160.5	154.7	161.1	176.7	
13	159.7	161.8	163.8	159.8	154.2	157.3	162.5	164.5	159.5	159.0	160.3	169.5	
14	163.1	164.6	165.5	161.4	158.8	155.6	162.3	159.0	156.6	159.5	153.9	170.5	
15	165.4	164.4	165.5	159.7	153.9	157.9	156.3	160.2	156.8	159.6	154.9	164.8	
16	166.2	165.6	164.2	160.4	155.0	159.7	161.7	163.8	153.6	154.8	158.0	163.3	
17	162.3	159.5	168.7	157.9	159.4	158.0	159.4	161.4	161.1	160.7	158.8	167.8	
18	163.3	160.0	160.4	158.9	152.7	165.4	160.5	163.6	150.3	163.6	160.6	168.0	
19	163.1	205.5	165.3	156.8	158.8	162.4	163.4	158.3	157.7	155.2	155.4	167.1	
20	167.3	193.9	164.0	164.3	157.0	153.6	157.9	165.4	154.6	159.6	159.7	164.7	
21	168.2	182.2	165.3	168.9	164.9	157.4	158.6	157.8	156.1	154.2	155.7	169.7	
22	163.2	175.5	164.0	166.0	158.7	159.8	157.3	158.4	158.5	157.4	162.7	160.7	
23	162.8	174.2	167.0	167.9	154.9	155.6	160.6	160.5	158.5	149.1	141.8	162.7	
24	161.2	174.3	166.8	166.7	161.1	155.8	159.6	157.6	161.6	156.0	155.8	164.5	
25	161.1	170.9	159.7	160.4	156.2	157.6	161.3	159.8	157.9	154.4	155.3	146.0	
26	163.0	170.4	162.4	161.9	157.1	156.4	160.7	159.4	156.0	157.5	160.3	153.6	
27	162.7	171.1	161.3	162.8	152.5	154.4	167.5	161.3	154.9	156.1	155.0	162.5	
28	165.8	177.1	166.6	159.9	158.0	157.9	160.3	163.7	159.1	152.5	154.0	161.4	
29	161.4		158.5	158.8	157.4	157.9	154.1	157.1	154.5	159.6	158.3	157.2	
30	185.2		162.5	164.4	156.3	157.3	166.1	163.2	157.6	157.2	187.3	155.1	Annual
31	178.6		161.2		160.1		160.3	161.8		159.1		161.4	Summary
Average	164.1	169.8	165.4	161.0	157.4	157.5	159.2	160.4	158.6	156.5	158.4	169.0	161.4
Minimum	156.9	157.3	158.5	155.7	152.5	153.6	154.1	155.2	150.3	149.1	141.8	146.0	141.8
Maximum	185.2	205.5	173.4	168.9	164.9	165.4	167.5	166.2	164.1	163.6	187.3	203.4	205.5
Total	5088.4	4753.5	5126.9	4829.0	4879.9	4724.3	4933.8	4971.8	4757.4	4851.9	4751.3	5238.0	58906.1

## Point Loma Wastewater Treatment Plant 2007 Daily Dry Flows (mgd)



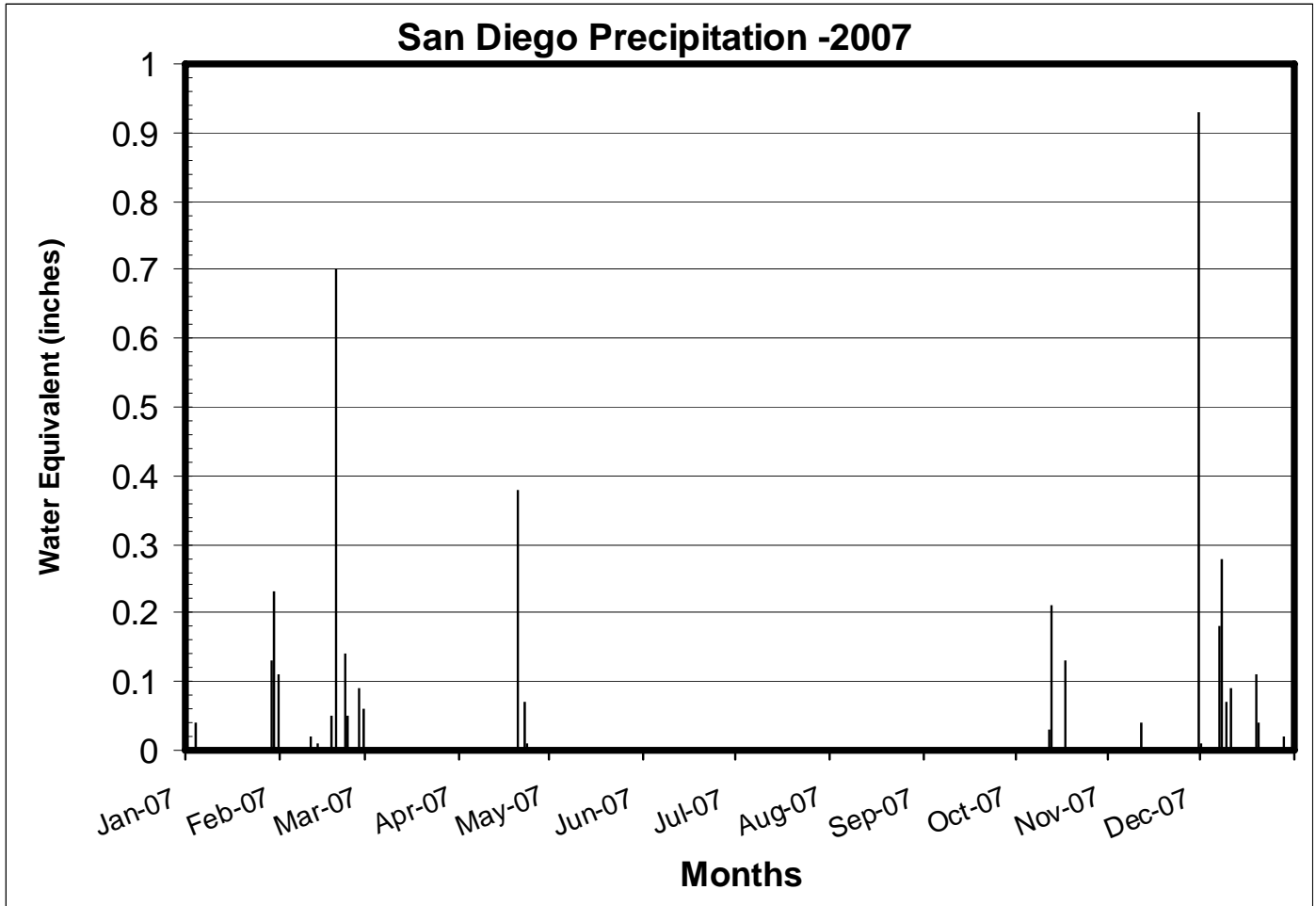
# Point Loma Wastewater Treatment Plant

## 2007 Dry Flows (mgd)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	159.4	169.3	173.4	159.4		154.7	155.8	165.8	163.1	161.1	152.3		
2	164.2	170.8	172.4	162.0		156.6	154.1	166.2	160.5	156.6	159.1	176.2	
3	162.5	169.5	171.2	156.6	162.1	159.5	161.0	155.4	162.6	156.7	159.9	175.3	
4		167.7	168.5	157.0	155.4	157.2	154.7	159.9	161.8	155.2	160.8	172.6	
5	164.1	166.3	168.6	160.0	159.6	157.2	159.1	155.2	164.1		160.4	154.3	
6	162.6	165.7	166.2	158.0	158.2	157.1	163.9	159.3	157.3	157.9	157.4	183.6	
7	161.3	165.1	165.7	159.9	159.3	154.5	157.2	159.8	158.0	154.8	162.0		
8	164.8	159.2	165.5		156.3	157.5	155.5	156.6	160.5	155.9	154.5		
9	161.2	157.3	163.9		157.6	157.6	155.8	161.6	162.3	151.3	156.1		
10	156.9		167.3	163.9	155.2	157.2	156.6	161.8	162.9	155.9	160.6	178.5	
11			160.9	159.1	155.9	159.2	154.8	156.7	158.9	153.3			
12		167.6	170.6		157.4	155.9	155.1	156.8	160.5		161.1	176.7	
13			163.8	159.8	154.2	157.3	162.5	164.5	159.5		160.3	169.5	
14	163.1	164.6	165.5		158.8	155.6	162.3	159.0	156.6	159.5	153.9	170.5	
15	165.4	164.4	165.5		153.9	157.9	156.3	160.2	156.8	159.6	154.9	164.8	
16	166.2	165.6	164.2	160.4	155.0	159.7	161.7	163.8	153.6	154.8	158.0	163.3	
17		159.5	168.7	157.9	159.4	158.0	159.4	161.4	161.1		158.8	167.8	
18	163.3		160.4	158.9	152.7	165.4	160.5	163.6	150.3	163.6	160.6		
19			165.3	156.8	158.8	162.4	163.4	158.3	157.7	155.2	155.4		
20	167.3	193.9	164.0		157.0	153.6	157.9	165.4		159.6	159.7		
21	168.2	182.2	165.3	168.9		157.4	158.6	157.8	156.1	154.2	155.7	169.7	
22	163.2		164.0		158.7	159.8	157.3	158.4	158.5	157.4	162.7	160.7	
23	162.8		167.0		154.9	155.6	160.6	160.5	158.5	149.1	141.8	162.7	
24	161.2	174.3	166.8	166.7	161.1	155.8	159.6	157.6	161.6	156.0	155.8	164.5	
25	161.1	170.9	159.7	160.4	156.2	157.6	161.3	159.8	157.9	154.4	155.3	146.0	
26	163.0		162.4	161.9	157.1	156.4	160.7	159.4	156.0	157.5	160.3	153.6	
27	162.7		161.3	162.8	152.5	154.4	167.5	161.3	154.9		155.0	162.5	
28	165.8		166.6		158.0	157.9	160.3	163.7		152.5	154.0		
29			158.5	158.8	157.4	157.9	154.1	157.1	154.5	159.6	158.3		
30			162.5	164.4	156.3	157.3	166.1	163.2	157.6	157.2		155.1	Annual
31			161.2		160.1		160.3	161.8		159.1		161.4	Summary
Average	163.2	168.5	165.4	160.6	157.1	157.5	159.2	160.4	158.7	156.5	157.3	166.2	160.9
Minimum	156.9	157.3	158.5	156.6	152.5	153.6	154.1	155.2	150.3	149.1	141.8	146.0	141.8
Maximum	168.2	193.9	173.4	168.9	162.1	165.4	167.5	166.2	164.1	163.6	162.7	183.6	193.9
Total	3590.2	3033.8	5126.9	3373.3	4399.1	4724.3	4933.8	4971.8	4443.6	4067.9	4404.5	3489.3	50558.4

B. Rain Days

Annual precipitation was profoundly below normal.



**Total Annual precipitation = 4.23, Maximum =0.93, Trace =0**

First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
Date	Rain	Date	Rain	Date	Rain	Date	Rain
4-Jan-07	0.04	8-Apr-07	0	20-Sep-07	0	5-Oct-07	0
11-Jan-07	0	9-Apr-07	0	28-Sep-07	0	12-Oct-07	0.03
12-Jan-07	0	12-Apr-07	0			13-Oct-07	0.21
13-Jan-07	0	14-Apr-07	0			17-Oct-07	0.13
17-Jan-07	0	15-Apr-07	0			27-Oct-07	0
19-Jan-07	0	20-Apr-07	0.38			11-Nov-07	0.04
29-Jan-07	0.13	22-Apr-07	0.07			30-Nov-07	0.93
30-Jan-07	0.23	23-Apr-07	0.01			1-Dec-07	0.01
31-Jan-07	0.11	28-Apr-07	0			7-Dec-07	0.18
10-Feb-07	0	1-May-07	0			8-Dec-07	0.28
11-Feb-07	0.02	2-May-07	0			9-Dec-07	0.07
13-Feb-07	0.01	21-May-07	0			11-Dec-07	0.09
8-Feb-07	0.05					18-Dec-07	0
9-Feb-07	0.7					19-Dec-07	0.11
22-Feb-07	0.14					20-Dec-07	0.04
23-Feb-07	0.05					28-Dec-07	0.02
26-Feb-07	0					29-Dec-07	0
27-Feb-07	0.09						
28-Feb-07	0.06						
<b>Totals &gt;</b>	<b>1.63</b>		<b>0.46</b>		<b>0</b>		<b>2.14</b>

### C. Solids Production

Point Loma Annual Monitoring Report  
 Solids Report - TOTALS  
 From 01-JAN-2007 to 31-DEC-2007

Month	Pt. Loma	Dry Tons	Pt. Loma	Dry Tons	MBC	Dry Tons	MBC	Dry Tons
	Raw sludge Gallons		Digested Sludge Gallons		Combined Centrate Gallons		Dewatered Sludge Wet Tons	
01	28,244,660	4,240	28,244,660	2,442	73,447,109	803	10,589	3,147
02	25,119,730	4,000	25,119,730	2,211	57,971,986	750	8,576	2,557
03	28,359,188	4,366	28,359,188	2,523	65,398,245	783	10,610	3,178
04	27,155,897	4,077	27,155,897	2,232	65,750,831	792	9,938	2,894
05	26,576,193	4,083	26,596,193	2,258	69,555,792	895	11,113	3,205
06	24,582,258	3,955	24,582,258	2,128	66,119,418	941	9,221	2,658
07	23,946,466	3,922	23,946,466	2,252	67,712,480	940	11,806	3,311
08	21,606,672	3,386	21,606,672	2,017	65,567,722	983	12,187	3,463
09	34,030,132	4,825	32,661,884	2,875	60,517,669	861	10,909	2,969
10	36,933,934	5,403	36,933,936	3,154	61,102,928	1,004	11,331	3,172
11	33,530,627	4,964	33,835,627	2,885	63,098,286	734	10,928	3,104
12	34,728,458	4,692	33,728,459	2,860	84,183,348	931	10,734	3,000
avg	28,734,518	4,326	28,564,248	2,486	66,702,151	868	10,662	3,055
sum	344,814,215	51,912	342,770,970	29,837	800,425,814	10,416	127,940	36,658

Point Loma Annual Monitoring Report  
 Solids Report - Daily Averages by Month  
 From 01-JAN-2007 to 31-DEC-2007

Month	Pt. Loma			Pt. Loma			MBC			MBC		
	Raw sludge Gallons	%TS	Dry Tons	Digested Sludge Gallons	%TS	Dry Tons	Combined Centrate Gallons	%TS	Dry Tons	Dewatered Sludge Wet Tons	%TS	Dry Tons
01	911,118	3.6	133	911,118	2.1	78	2,369,262	0.26	25.9	342	29.7	101.5
02	897,133	3.8	142	897,133	2.1	78	2,070,428	0.31	26.8	306	29.8	91.3
03	914,813	3.7	141	914,813	2.1	81	2,109,621	0.29	25.3	342	30.0	102.5
04	905,197	3.6	137	905,197	2.0	74	2,191,694	0.29	26.4	331	29.1	96.5
05	857,297	3.7	131	857,942	2.0	72	2,243,735	0.31	28.9	358	28.8	103.4
06	819,409	3.9	132	819,409	2.1	71	2,203,981	0.34	31.0	307	28.8	88.6
07	772,467	3.9	127	772,467	2.3	72	2,184,274	0.33	30.3	381	28.0	106.8
08	696,989	3.8	108	696,989	2.2	65	2,115,088	0.36	31.7	393	28.4	111.7
09	1,134,338	3.4	158	1,088,729	2.1	94	2,017,256	0.34	28.0	364	27.2	99.0
10	1,191,417	3.5	172	1,191,417	2.0	103	1,971,062	0.39	32.0	366	28.0	102.3
11	1,117,688	3.6	164	1,127,854	2.0	96	2,103,276	0.28	24.3	364	28.4	103.5
12	1,120,273	3.2	151	1,088,015	2.0	95	2,715,592	0.27	30.0	346	27.9	96.8
avg	944,845	3.6	141	939,257	2.1	82	2,191,272	0.31	28.4	350	28.7	100.3

Note: A ton is a "short ton" or 2000 lbs of dry solids.  
 The mechanical condition of the cake pumps and the variability of sludge concentrations can affect the overall accuracies of these reported values.

# D. Chemical Usage

## Point Loma Annual Chemical Usage Report Monthly Totals - 2007

Month	Gallons	Polymer Pt.Loma Lbs.	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	142,734		6,007	54,975		216,936	215	808	2,988	915	1,401	18,631		1,850	15,500
02	131,800	Polymer	5,546	48,812		204,304	152	169	2,125	96	1,007	10,259		2,100	14,000
03	143,329	Pt.Loma	6,031	54,895		220,607	191	135	3,259	274	627	12,677	1,600	1,050	15,500
04	134,204		5,650	54,073		208,292	69	419	2,405	628	512	14,644	1,050	1,400	15,000
05	136,419		5,746	55,289		210,935	201	90	2,621	734	1,088	15,705		500	15,500
06	131,611		5,540	58,894		200,673	159	250	4,032	556	983	15,763	500	1,050	15,000
07	137,412		5,784	79,108		213,068	173	212	4,734	495	680	19,496	1,350	1,350	15,500
08	138,729		5,840	84,344		214,852	152	40	3,937	405	764	12,757	2,000	1,353	15,500
09	132,978		5,595	101,504		204,307	168	197	3,969	217	908	14,664	2,400	900	15,000
10	135,227		5,693	108,062		208,360	149	546	3,702	868	930	11,449	1,055	434	15,500
11	133,162		5,605	70,492		204,930	93	177	3,283	529	911	11,424	2,000	3,050	15,000
12	146,920		6,184	75,587		224,714	113	300	2,527	487	751	11,284	2,200	550	15,500
ANNUAL	137,044		5,768	70,503		210,998	153	279	3,299	517	880	14,063	1,950	1,299	15,208
sum	1,644,524		69,221	846,035		2,531,978	1,835	3,343	39,582	6,204	10,562	168,753	20,795	15,587	182,500

## E. Gas Production

### Point Loma Wastewater Treatment Plant

Gas Report - 2007

Daily Averages by Month

#### GAS CONSUMPTION (x1000 Cu. Ft.)

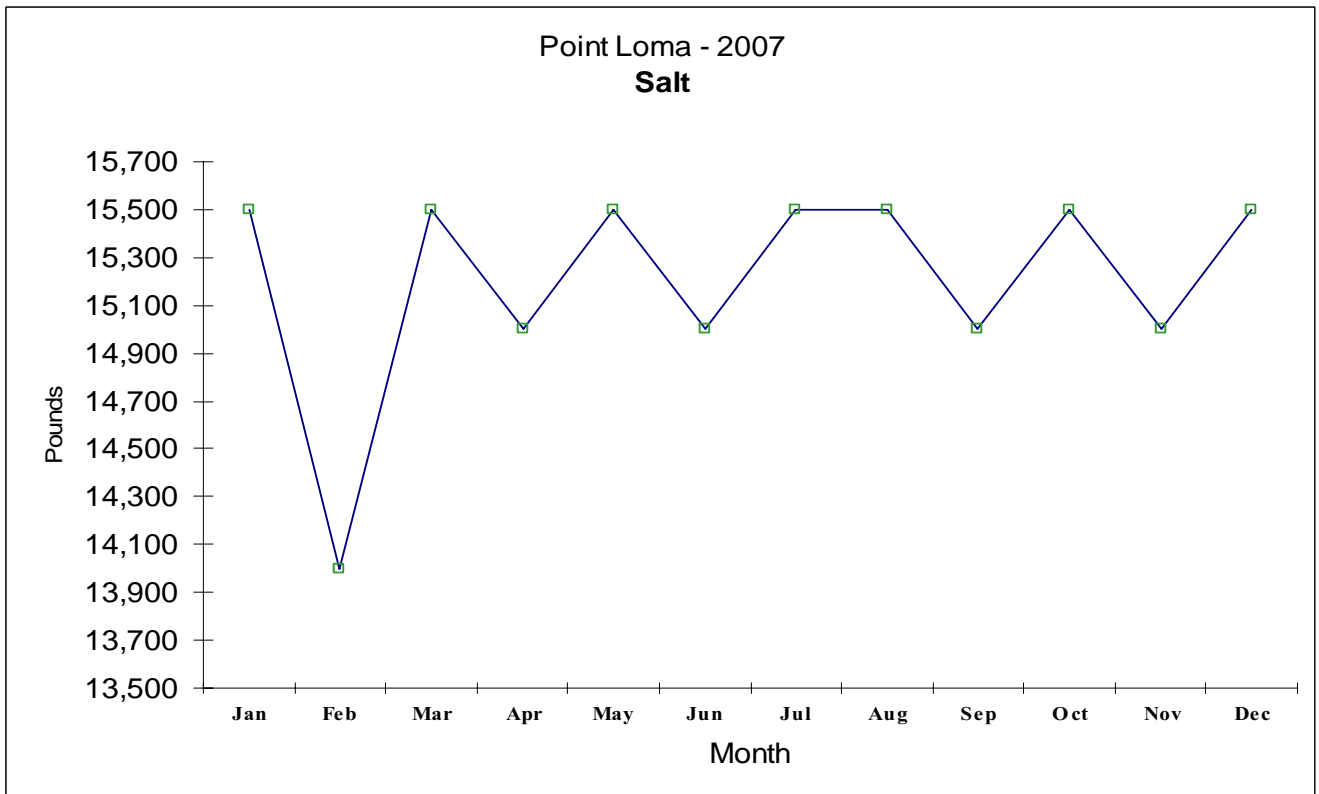
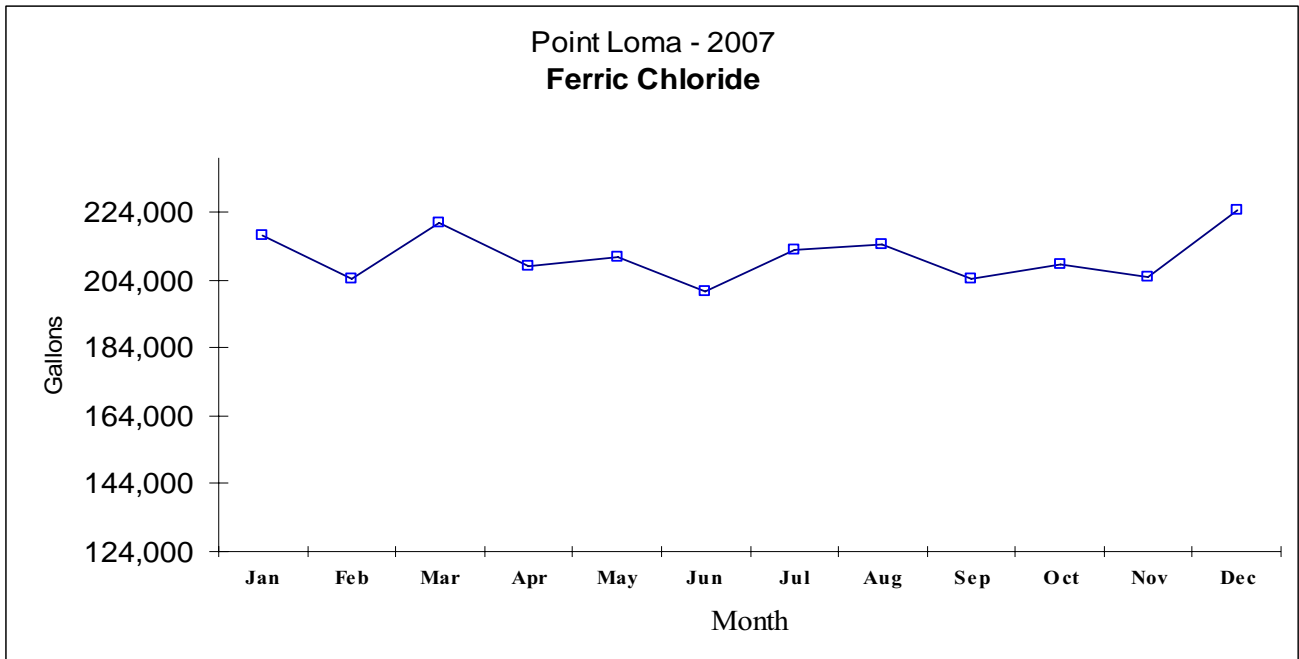
Month	N-1-P	N-2-P	C-1-P	C-2-P	S-1-P	S-2-P	Dig 7	Total	Boilers	Burners	GUF	Total
01	282.0	370.4	415.4	356.9	311.7	285.2	49.9	2,021.5	177	1,238	1,758	3,172
02	298.2	340.5	435.4	380.7	330.4	307.0	52.3	2,093.3	256	2,066	1,132	3,454
03	296.5	350.5	439.5	391.6	331.3	307.4	56.2	2,116.7	292	2,324	901	3,517
04	280.6	371.3	424.8	385.0	313.1	306.2	49.5	2,081.0	111	1,654	1,583	3,348
05	319.4	310.5	437.5	390.1	310.9	311.8	47.2	2,080.1	100	1,451	1,737	3,288
06	306.0	265.9	462.4	408.4	312.0	326.2	52.2	2,080.8	61	1,677	1,617	3,355
07	296.4	251.2	492.1	421.0	290.4	310.9	52.0	2,061.9	45	1,451	1,750	3,246
08	297.6	226.7	522.7	469.6	254.7	282.1	49.5	2,053.4	27	1,303	1,807	3,137
09	484.0	321.8	319.7	300.5	371.7	387.4	36.4	2,185.2	15	1,258	1,756	3,028
10	329.7	333.4	293.6	317.2	396.3	414.7	40.5	2,085.0	49	1,321	1,670	3,040
11	382.3	284.4	298.4	331.7	332.1	484.6	42.2	2,113.5	120	1,286	1,724	3,130
12	470.3	265.5	317.5	342.2	432.6	458.8	48.1	2,286.9	304	2,084	891	3,279
avg	337.0	307.7	404.9	374.6	332.3	348.5	48.0	2,104.9	130	1,593	1,527	3,249

#### Monthly Totals

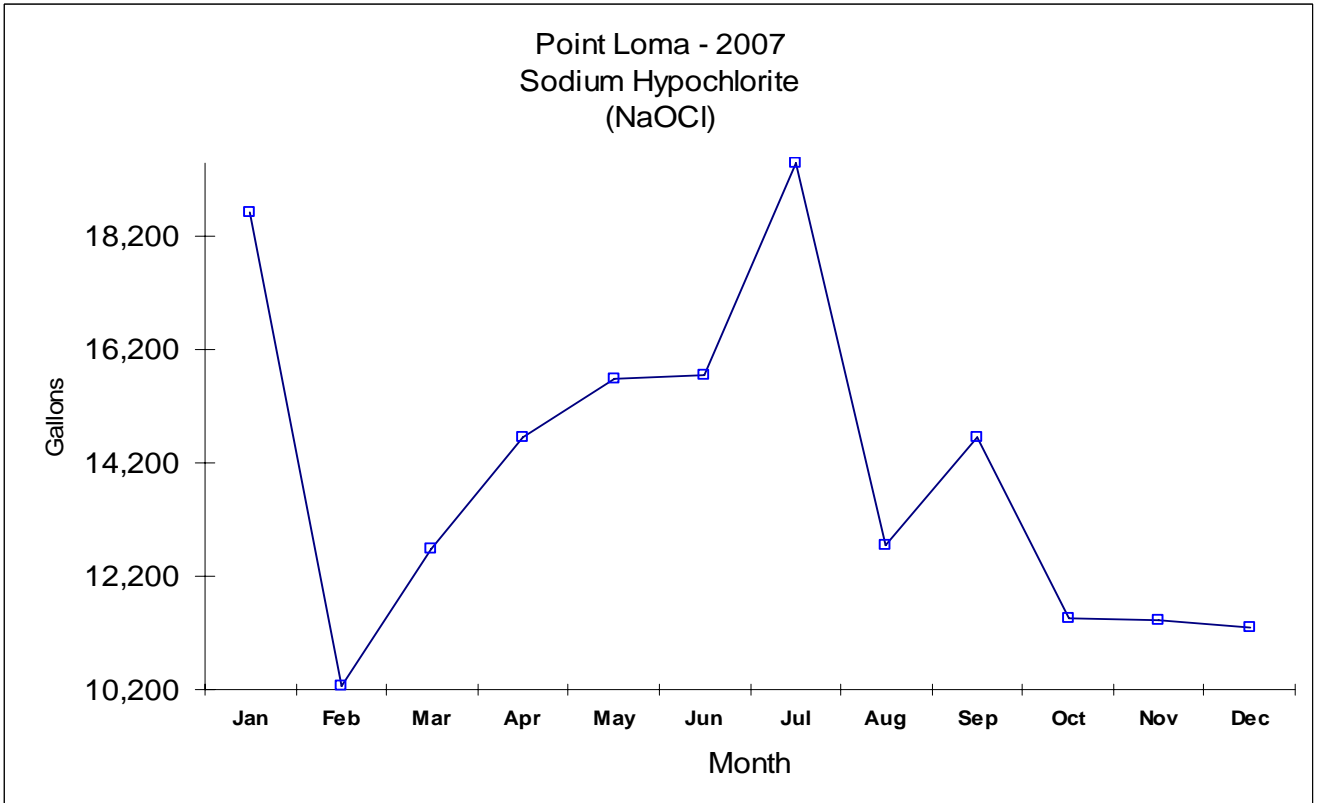
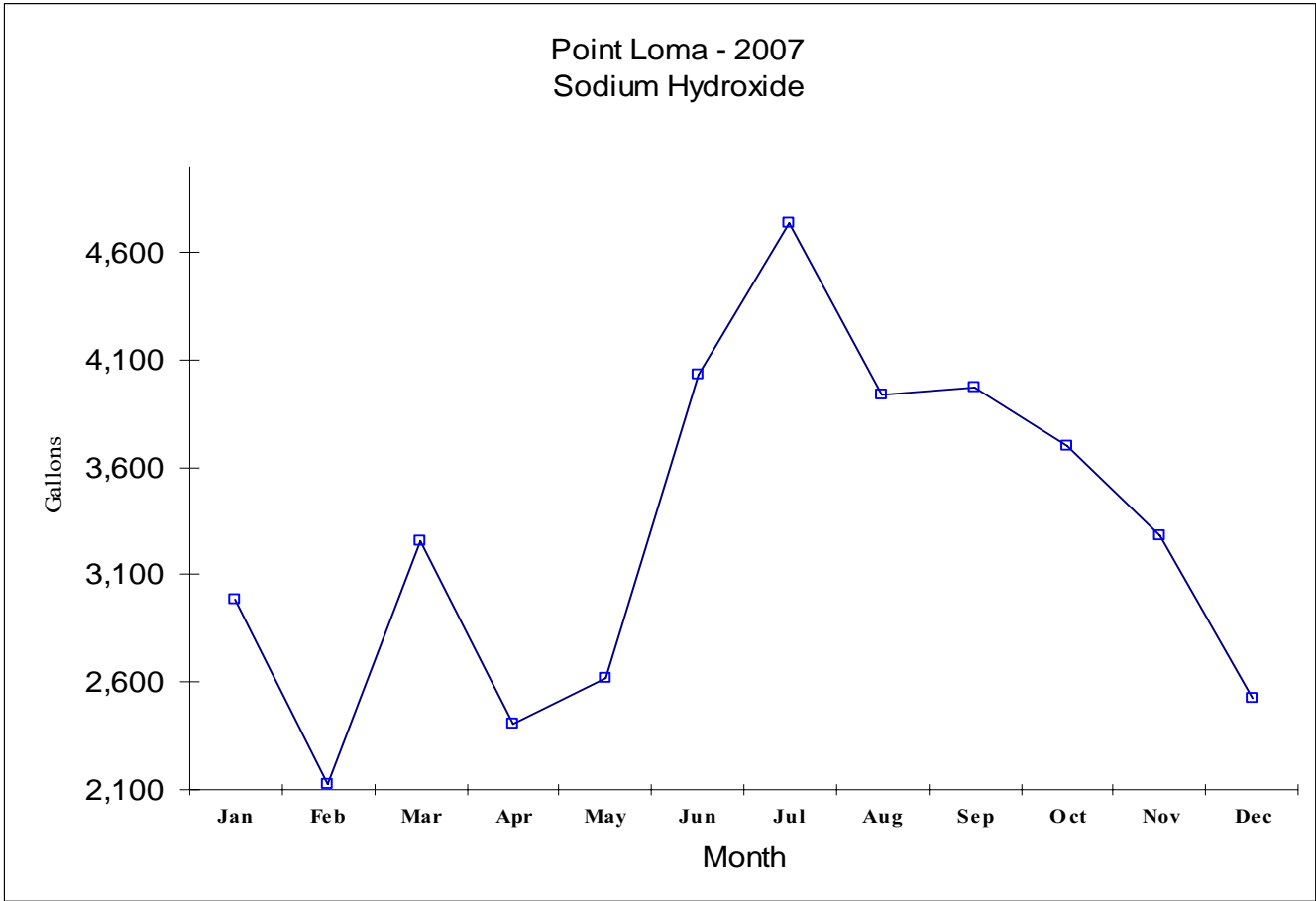
#### GAS CONSUMPTION (x1000 Cu. Ft.)

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	8,743.0	11,481.0	12,876.0	11,064.0	9,663.0	8,841.0	1,547.0	62,668.0	5,476	38,381	54,484	98,341
02	8,138.0	10,587.0	12,190.0	10,660.0	9,250.0	8,597.0	1,463.0	58,612.0	7,181	57,853	31,685	96,719
03	9,190.0	10,864.0	13,624.0	12,141.0	10,269.0	9,529.0	1,743.0	65,617.0	9,040	72,044	27,930	109,014
04	8,418.0	11,138.0	12,745.0	11,549.0	9,392.0	9,187.0	1,484.0	62,429.0	3,331	49,633	47,478	100,442
05	9,902.0	9,624.0	13,562.0	12,092.0	9,637.0	9,667.0	1,463.0	64,484.0	3,092	44,973	53,848	101,913
06	9,179.0	7,978.0	13,871.0	12,251.0	9,359.0	9,786.0	1,565.0	62,424.0	1,837	50,323	48,499	100,659
07	9,187.0	7,787.0	15,255.0	13,051.0	9,002.0	9,637.0	1,611.0	63,919.0	1,388	44,973	54,257	100,618
08	9,225.0	7,029.0	16,203.0	14,558.0	7,897.0	8,744.0	1,534.0	63,656.0	842	40,379	56,021	97,242
09	14,521.0	9,654.0	9,591.0	9,015.0	11,152.0	11,622.0	1,093.0	65,555.0	440	37,728	52,681	90,849
10	10,222.0	10,334.0	9,103.0	9,833.0	12,285.0	12,857.0	1,257.0	64,634.0	1,504	40,956	51,777	94,237
11	11,468.0	8,533.0	8,953.0	9,950.0	9,962.0	14,538.0	1,265.0	63,404.0	3,614	38,571	51,706	93,891
12	14,580.0	8,231.0	9,842.0	10,608.0	13,412.0	14,222.0	1,490.0	70,895.0	9,427	64,600	27,622	101,649
avg	10,251.1	9,349.2	12,317.9	11,397.7	10,106.7	10,602.3	1,459.6	64,024.8	3,931	48,368	46,499	98,798
sum	123,013.0	112,190.0	147,815.0	136,772.0	121,280.0	127,227.0	17,515.0	768,297.0	47,172	580,414	557,988	1,185,574

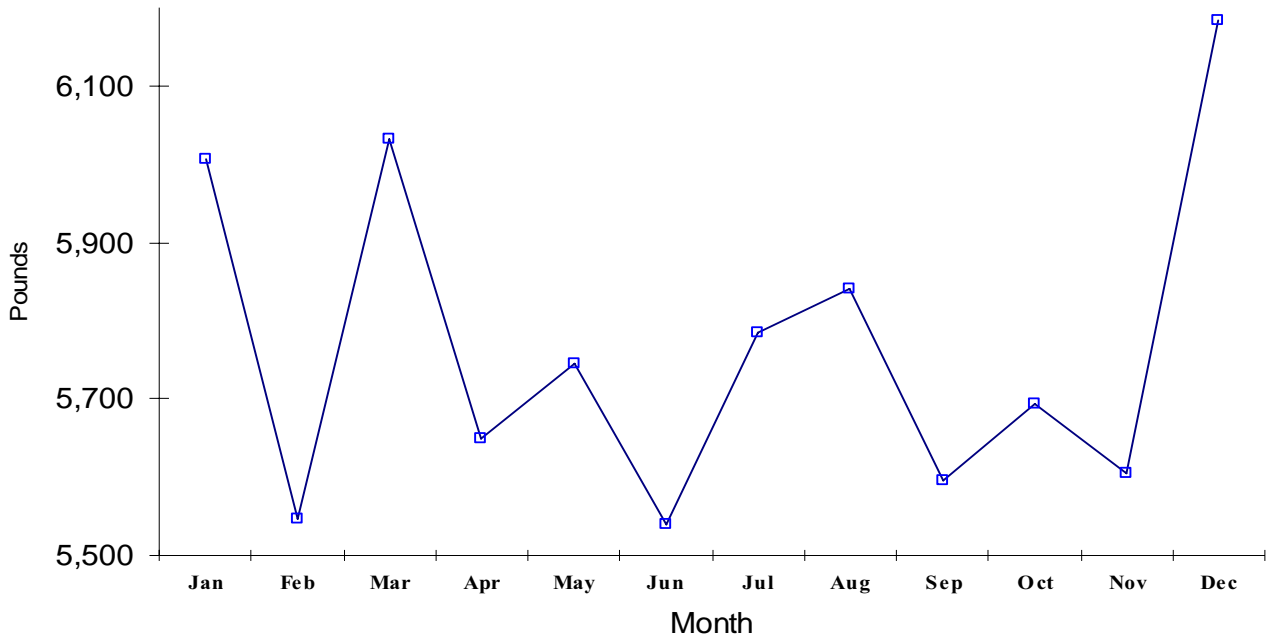
F. Graphs of Chemical Usage







Point Loma - 2007  
Polymer / Active Polymer



G. Facilities Out-of-Service Report

FACILITIES THAT WERE OUT OF SERVICE IN 2007 BY DATE

FACILITY OOS	FROM	TO	REASON
Sed Basin #1	01/01	12/31	Tank Repair
Sed Basin #3	01/01	12/31	Guide Rails coming off
Sed Basin #10	01/01	12/31	Bay # 3 flights
Sed Basin #12	01/01	03/04	Cleaning
West inf Channel	01/01	01/17	Channel rotation/ grit scouring
East inf Channel	01/17	02/14	Channel rotation/ grit scouring
NEOC channel	01/16	02/02	Install Caustic & SHC containment valves in channel
N1 Grit Chanber	02/07	02/09	Contractor to replace air manifold
West inf Channel	02/14	02/22	Channel rotation/ grit scouring
Sed Basin #11	02/21	03/04	Stop log in channel to clean grit from channel
N2 Grit Chamber	2/21	02/22	Contractor to replace air manifold
Sed Basin # 4	03/04	06/29	Flights Broken
C2 Grit Chamber	03/13	03/14	Contractor to replace air manifold
West inf Channel	03/15	04/06	Channel rotation/ grit scouring
Inf Screen # 1	03/20	03/27	Rebuild carriage
East inf Channel	04/06	05/04	Channel rotation/ grit scouring
C1 Grit Chanber	04/16	04/18	Contractor to replace air manifold
West inf Channel	05/04	06/01	Channel rotation/ grit scouring
N2 Grit Chamber	05/21	05/29	Replace suction pipe through wall
East inf Channel	06/01	06/29	Channel rotation/ grit scouring
Inf Screen # 5	06/04	06/06	Replace level switch in channel
Inf Screen # 2	06/06	08/03	Carriage assemble bearing broke
Sed Basin # 7	06/29	07/26	Broken Flights
West inf Channel	06/29	07/27	Channel rotation/ grit scouring
Sed Basin # 5	07/26	08/29	Rotation no failure
East inf Channel	07/27	08/23	Channel rotation/ grit scouring
C2 Grit Chanber	07/31	08/09	Piping replacement along with annual PM
West inf Channel	08/23	09/19	Channel rotation/ grit scouring
Sed Basin # 4	08/29	08/31	Rising blankets, sprockets slippage
Sed Tank # 5	08/31	11/23	Flights broken in bay # 3
N2 Grit Chamber	09/10	09/14	Annual PM and replacement of spool
Sed Basin # 4	09/11	09/16	Rising Sludge
C1 Grit Chamber	09/17	09/21	Annual PM and to replace a pinch valve
East inf Channel	09/19	10/19	Channel rotation/ grit scouring
West inf Channel	10/19	12/31	Channel rotation/ grit scouring
Sed Tank # 7	10/19	12/31	Broken Flights
Sed Tank # 12	10/21	10/23	Broken Cross Collector
Sed Tank # 12	11/23	12/31	Broken Cross Collector

FACILITIES THAT WERE OUT OF SERVICE IN 2007

FACILITY: DATES OUT OF SERVICE

GRIT CHAMBERS

N1	02/07-02/09:
N2	02/21-02/22:05/21-05/29:09/10-09/14:
C1	04/16-04/18:09/17-09/21:
C2	03/13-03/14:07/31-08/09:
S1	1/1-12/31
S2	1/1-12/31

CHANNELS

EAST	01/17-02/14:040/6-05/04:04/06-05/040:6/010-6/29:07/27-08/23;09/19-
WEST	01/01-01/17:02/140-2/220:3/15-04/060:5/04-060/1:06/29-07/27:08/23-09/19:

BASINS

1	1/1-12/31
2	
3	1/1-12/31
4	3/4-6/29:08/29-08/31:09/11-09/16:
5	7/26-08/29;08/31-10/21:11/23:
6	
7	6/29-7/26:10/19-
8	
9	
10	1/1-12/31
11	2/21-3/4:
12	1/1-3/4:10/21-10/23:11/23;

NORTH EFFLUENT SCREENS	01/16-02/02:
SOUTH EFFLUENT SCREENS	09/06-
INFLUENT SCREEN #1	03/20-03/27:
INFLUENT SCREEN #2	06/06-08/03:
INFLUENT SCREEN #3	
INFLUENT SCREEN #4	
INFLUENT SCREEN #5	06/04-06/06:

DIGESTERS

N1P	
N2P	
C1P	
C2P	
S1P	
S2P	
Dig 7	
Dig 8	

SHUTDOWNS			
DATE	FROM	TO	REASON
1/12/07	0130	0530	Screen adjustment/ Divers PL influent channels
2/9/07	0130	0530	Pump Station Maintenance
3/24/07	0100	0600	Pump manifold repair @ pump station
5/4/07	0100	0530	Screen PM's
5/18/07	0130	0530	Chlorinate Poly system @ Pt. Loma
5/23/07	0100	0600	PS1 will Shut Down/PS2 will slow down. Manholes to be videoed
6/12/07	0000	0530	PS2 force main Isolation
6/22/07	0130	0530	Install a dielectric union on the natural gas line
6/29/07	0130	0530	Installation of the dielectric union on the natural gas
7/20/07	0130	0530	Pump 1 traveling screen wetwell inspection
7/31/07	0130	0600	Pump 2 force main isolation
8/1/07	0130	0600	Pump 2 force main isolation
8/3/07	0130	0600	Pump 2 force main isolation
9/6/07	0130	0600	Repair the outfall vent line
9/7/07	0130	0600	Repair the outfall vent line
10/19/07	0130	0530	Traveling Screen PM's

## H. Gritand Screenings

The following are reports of the analyses of grit samples taken from the Pt. Loma WWTP headworks (grit removal chambers) in 2007. 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 2007 (%WT)**

Grit Monthly Averages		Headworks Screenings Monthly Averages		Sludge Screenings Monthly Averages	
JAN	55.5	JAN	42.9	JAN	35.8
FEB	61.1	FEB	47.4	FEB	37.1
MAR	63.3	MAR	42.5	MAR	36.5
APR	56.1	APR	42.9	APR	37.5
MAY	56.3	MAY	42.5	MAY	37.2
JUN	54.1	JUN	49.2	JUN	38.7
JUL	52.2	JUL	43.3	JUL	38.9
AUG	56.7	AUG	45.1	AUG	38.2
SEP	66.8	SEP	50.1	SEP	38.7
OCT	52.4	OCT	49.5	OCT	39.3
NOV	48.7	NOV	45.4	NOV	38.7
DEC	50.8	DEC	41.3	DEC	36.9
<b>AVG</b>	<b>56.2</b>	<b>AVG</b>	<b>45.2</b>	<b>AVG</b>	<b>37.8</b>

**Point Loma Wastewater Treatment Plant  
2007 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	58.2	55.4	52.9	68.9	51.0	63.8	50.4		58.8	52.6	48.8	53.4
2	68.0	53.9	74.7	47.6	45.4	55.7	52.9	56.3		50.0	39.0	54.0
3	56.8	68.8	42.8	43.6	49.5	64.3	56.5		63.0	69.3	50.3	46.8
4	47.0	62.9	67.1	40.4	45.9	57.8	54.1	59.7	63.0	52.9	54.0	45.7
5	57.5	68.8	72.8	43.1	45.1	54.6	53.2	39.5	70.6	54.8	49.8	51.4
6	38.2	70.5	76.0	49.6	50.9	54.3	55.7	53.5	73.4	43.8	63.1	54.5
7	65.6	53.0	64.6	48.8		42.5	51.1	54.0	73.6	49.1	40.2	44.6
8	76.3	71.8	73.6	55.3	48.4	52.5	55.7	51.4	63.7	50.8	40.5	56.3
9	51.4	57.4	66.4	55.9	44.9	51.9	50.4	54.1		36.6	49.6	49.4
10	52.6	48.4	48.6	56.9	50.5	64.8	51.4	45.1	68.3	51.0	46.5	47.5
11	51.2	53.0	53.8	65.6	46.8	57.9	50.8		69.5	49.9	65.7	52.6
12	45.4	62.4	78.7	58.4	47.4	53.0	47.4	50.8	71.3	44.0	46.0	51.3
13	52.9	51.6	68.8	60.3	56.1	53.3	46.2	56.3	71.2	56.4	42.8	45.9
14	64.6	64.9	63.3	44.0	64.1	59.0		52.5	62.6	63.9	47.0	44.8
15	65.2	63.9	70.5	68.1	48.4	57.8		49.5	70.3	52.4	46.8	
16	60.5	62.6	58.7	53.6	55.1	56.0	58.5	51.9		52.4	48.3	
17		52.4	44.9	70.5	61.8	51.9	52.3	63.6	67.2	56.0	48.9	48.1
18	51.3	64.3	47.3	61.3	57.9	56.0	46.9		70.0		53.5	46.8
19	50.9	69.1	55.9	64.1		50.6	46.0	60.6	74.5		46.5	47.3
20	53.1	50.4	72.9	67.8	57.5	41.4	51.7	61.4	71.1			36.9
21	57.3	52.1	61.2	54.3	61.5	53.3	53.9	38.0	72.5		50.8	50.6
22	59.0	47.0	58.8	61.6	59.4	54.9	51.3	58.7	71.8	58.3	40.3	57.1
23	56.4	61.0	64.7	61.3	55.9		54.3	65.1	47.8	55.1	45.2	79.5
24	41.4	68.4	49.9	57.0	58.4	63.4	52.2	55.7	53.3	52.1	47.6	48.0
25	49.8	80.3	53.7	56.2	54.8	47.7	47.0		77.9	51.3	51.3	48.0
26	42.0	71.6	74.8	64.1	73.8	56.9	50.9	73.8	67.5	45.6	55.0	49.3
27	56.8	61.2	75.5	51.8	80.0	49.5	58.0	64.3	71.0	60.0	55.5	44.8
28	50.4	64.8	76.2	42.1	78.7	47.9	45.8	66.4	68.0	45.6	53.6	64.7
29	51.9		61.1	50.7	77.1	49.0	49.3	63.1	63.6	57.5	45.3	49.9
30	58.9		65.9	61.0	58.3	48.3	54.8	66.7	48.2	55.2	39.5	53.0
31	75.1		65.3		49.1		64.4	62.9		48.2		49.7
Avg	55.5	61.1	63.3	56.1	56.3	54.1	52.2	56.7	66.8	52.4	48.7	50.8
Min	38.2	47.0	42.8	40.4	44.9	41.4	45.8	38.0	47.8	36.6	39.0	36.9
Max	76.3	80.3	78.7	70.5	80.0	64.8	64.4	73.8	77.9	69.3	65.7	79.5

**Point Loma Wastewater Treatment Plant  
2007 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	54.4		43.9		37.4					39.8	43.2	
2				39.0			41.9	49.8				
3					41.4							49.2
4	36.0					40.1			62.0	46.1		
5		39.3	48.9	37.2			44.8				42.8	
6								40.7	46.1			42.0
7					44.6	56.3						
8	46.7	37.1	34.7							43.2	42.8	
9				42.4			38.4	38.8				
10					40.2				47.2			26.5
11	40.8			49.2		47.3				50.1		
12		70.6	51.7				39.6				45.9	
13								43.8	41.1			34.7
14					45.4	57.5						
15	40.7	43.9	44.4							52.6	42.7	
16				49.2			44.5	41.2				
17					37.2				58.6			42.7
18	36.9					45.0						
19		40.2	41.3	33.2			39.7					
20								42.0	44.6			42.8
21					52.3	38.5						
22	52.2	51.9	34.3							52.9	47.7	
23				49.1			45.7	41.2				
24					45.1				53.7			47.8
25	39.3					65.1	55.1					
26		49.1		43.8						51.2	53.0	
27								63.9	47.1			39.1
28					43.0	43.6						
29	42.5		40.6							59.9		
30							39.8	44.5				
31	39.6				38.6							47.3
Avg	42.9	47.4	42.5	42.9	42.5	49.2	43.3	45.1	50.1	49.5	45.4	41.3
Min	36.0	37.1	34.3	33.2	37.2	38.5	38.4	38.8	41.1	39.8	42.7	26.5
Max	54.4	70.6	51.7	49.2	52.3	65.1	55.1	63.9	62.0	59.9	53.0	49.2

**Point Loma Wastewater Treatment Plant  
2007 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	31.4	37.2	37.3	35.7	33.7	37.8	36.9		38.8	38.2	38.1	37.8
2	33.8	37.0	35.0	34.6	37.0	37.3	38.8	36.9	35.9	36.2	38.5	40.8
3		37.2	35.0	37.4		36.8	40.7		45.7	35.4	40.1	36.7
4	35.2	36.2	35.8		36.3	39.8	39.3	38.0	38.9	36.8	40.3	37.4
5	37.0	33.9	36.5	36.1	37.5	36.9	40.9	39.3	35.7			36.4
6	37.7	40.0	35.6	34.7	38.5		38.6	38.1	37.8	37.2		39.1
7	34.4	34.4		38.2	39.4	37.2	39.7	38.0	40.1	39.7	40.4	42.0
8	33.5		34.0	35.3	36.3	38.9	38.5		37.0	39.4	39.9	36.6
9	36.2	36.0	36.2	35.7	36.2	38.6	40.2	40.3		38.9		35.1
10		38.4	36.2	43.75		38.5	39.8	40.5		40.6	39.2	37.7
11	34.7		35.3		36.7	50.1		40.2	40.2	41.1		37.0
12	36.8	35.3	35.8	38.3	37.4		40.2	39.6		40.2	41.1	39.8
13	37.2	37.3	35.7	36.3	37.6	35.4	39.6	38.1	40.8	41.1	37.2	33.0
14	36.8	34.0		36.3	34.0	38.7		39.8	36.6		40.3	35.6
15	35.1	43.5	37.7	35.0	38.5	36.2	36.7	38.9	38.7	39.5	39.7	
16	32.0	36.7	35.5	38.1		40.0	36.4	41.6		42.1	38.2	
17	33.3		35.5	36.1	37.2	37.4	42.0	39.2	36.6	40.0		37.1
18	40.0	36.7	36.6		37.9	38.7		41.4	37.4		38.3	36.2
19	35.5	35.2	35.0	36.4	38.7	38.4	40.1	39.9				36.2
20	37.6	39.2	39.2	38.5	35.5	36.8	36.4	29.6	37.1			36.9
21	34.1			38.2		39.3	39.9	35.4	38.6		39.4	35.9
22	38.9	39.7	36.4	36.7	35.3	41.5	40.2		39.8	43.9	42.1	37.2
23	38.8	38.1		37.8	40.7	39.5		36.4	39.6		38.8	38.8
24		35.9	33.9		38.8	36.6	40.5	40.7	38.6	36.2	36.5	37.3
25	34.3	33.3	39.8	38.6	37.7		41.4	36.5	37.1	39.5	36.4	35.3
26	35.6	40.8	38.4	41.6	36.3	36.9	40.4	36.7	42.1	37.6	35.2	37.4
27	38.1	36.7	37.3	38.1	37.8		37.3	36.0	36.3	39.0	36.8	34.6
28				37.5	35.4	41.1	38.2	36.3		39.6	39.7	35.4
29	37.4		39.0	40.3		39.0	37.8		40.5		37.5	34.4
30	35.6		39.3	40.3	37.1	38.7	31.1	40.1	39.6	39.7	37.5	35.9
31			37.6		39.0			37.0		41.2		35.8
Avg	35.8	37.1	36.5	37.5	37.2	38.7	38.9	38.2	38.7	39.3	38.7	36.9
Min	31.4	33.3	33.9	34.6	33.7	35.4	31.1	29.6	35.7	35.4	35.2	33.0
Max	40.0	43.5	39.8	43.8	40.7	50.1	42.0	41.6	45.7	43.9	42.1	42.0



Title 22 reports for Grit  
POINT LOMA WASTEWATER TREATMENT PLANT  
CALIFORNIA HAZARDOUS WASTE IDENTIFICATION TESTS (Title 22)

From: 01-JUN-2007 to: 01-JUN-2007

Source: GRIT COMP  
Sample ID: P385921  
Sample Date: 01-JUN-2007

INORGANICS	Constituent	MDL	Units	Total Conc	Total Conc	TTLc Limit	W.E.T. Conc	STLC Limit	40 CFR 503	CA Health &
				Dry Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Limits **	Safety Code
				mg/Kg	mg/Kg	mg/Kg	mg/L	mg/L	mg/Kg	mg/Kg
Antimony	4.51	mg/kg		4.06	2.87	500	*	15	-	-
Arsenic	.68	mg/kg		2.57	1.82	500	*	5.0	41	-
Barium	.023	mg/kg		151	107	10000	*	100	-	-
Beryllium	.004	mg/kg		ND	ND	75	*	0.75	-	-
Cadmium	.018	mg/kg		0.37	0.26	100	*	1.0	39	-
Chromium (VI)	NA	mg/kg		NA	NA	500	NA	5.0	-	-
Chromium	.083	mg/kg		225	180	2500	*	560	1200	-
Cobalt	.083	mg/kg		2.16	1.53	8000	*	80	-	-
Copper	.215	mg/kg		469	332	2500	*	25	1500	2500
Lead	.604	mg/kg		15.2	10.7	1000	*	5.0	300	350
Mercury	.132	mg/kg		0.17	0.12	20	*	0.2	17	-
Molybdenum	.143	mg/kg		5.66	4.00	3500	*	350.0	-	-
Nickel	.063	mg/kg		51.0	36.1	2000	*	20	420	2000
Selenium	.47	mg/kg		0.37	0.26	100	*	1.0	36	-
Silver	.06	mg/kg		4.66	3.29	500	*	5.0	-	-
Thallium	.771	mg/kg		ND	ND	700	*	7.0	-	-
Vanadium	.064	mg/kg		11.3	7.99	2400	*	24	-	-
Zinc	.946	mg/kg		513	363	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%		70.7		-				
Total Volatile Solids	NA	Wt%		21.2		-				
pH	NA	pH Units		7.08		>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.

The W.E.T. was performed on this sample, because by definition Copper's Total conc. Wet Wt. exceeded the STLC limit. The result determined by this technique is less than the W.E.T. MDL, (MDL= 0.4 mg/L.), therefore Copper is actually within the STLC Limit.

Title 22 reports for Grit  
POINT LOMA WASTEWATER TREATMENT PLANT  
CALIFORNIA HAZARDOUS WASTE IDENTIFICATION TESTS (Title 22)

From: 01-NOV-2007 to: 01-NOV-2007

Source: GRIT COMP  
Sample ID: P404268  
Sample Date: 01-NOV-2007

INORGANICS	Constituent	MDL	Units	Total Conc	Total Conc	TTLIC Limit	W.E.T. Conc	STLC Limit	40 CFR 503	CA Health &
				Dry Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Limits **	Safety Code
				mg/Kg	mg/Kg	mg/Kg	mg/L	mg/L	mg/Kg	mg/Kg
Antimony	4.51	mg/kg		13.2	6.59	500	*	15	-	-
Arsenic	.68	mg/kg		1.89	0.94	500	*	5.0	41	-
Barium	.023	mg/kg		86.5	43.2	10000	*	100	-	-
Beryllium	.004	mg/kg		ND	ND	75	*	0.75	-	-
Cadmium	.018	mg/kg		0.58	0.29	100	*	1.0	39	-
Chromium (VI)	NA	mg/kg		NA	NA	500	NA	5.0	-	-
Chromium	.083	mg/kg		21.8	10.9	2500	*	560	1200	-
Cobalt	.083	mg/kg		0.73	0.37	8000	*	80	-	-
Copper	.215	mg/kg		385	192	2500	*	25	1500	2500
Lead	.604	mg/kg		23.2	11.6	1000	*	5.0	300	350
Mercury	.132	mg/kg		0.06	0.03	20	*	0.2	17	-
Molybdenum	.143	mg/kg		5.65	2.82	3500	*	350.0	-	-
Nickel	.063	mg/kg		19.5	9.73	2000	*	20	420	2000
Selenium	.47	mg/kg		0.66	0.33	100	*	1.0	36	-
Silver	.06	mg/kg		4.22	2.11	500	*	5.0	-	-
Thallium	.771	mg/kg		ND	ND	700	*	7.0	-	-
Vanadium	.064	mg/kg		7.66	3.82	2400	*	24	-	-
Zinc	.946	mg/kg		265	132	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%		49.9	-	-	-	-	-	-
Total Volatile Solids	NA	Wt%		47.9	-	-	-	-	-	-
pH	NA	pH Units		6.02	-	>2 - < 12	-	-	-	-

ORGANICS	Constituent	MDL	Units	Total Conc	Total Conc	TTLIC 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

TTLIC = 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.  
TTLIC = Total Threshold Limit Concentration.

POINT LOMA WASTEWATER TREATMENT PLANT  
 QUARTERLY GRIT COMPOSITES  
 Inorganics and Organics

From: 01-JAN-2007 to: 31-DEC-2007

Analyte:	MDL	Units:	GRIT COMP	GRIT COMP
			01-JUN-2007 P385921	01-NOV-2007 P404268
=====	=====	=====	=====	=====
Aluminum	1.32	MG/KG	6140	2050
Antimony	.45	MG/KG	4.1	13.2
Arsenic	.33	MG/KG	2.57	1.89
Barium	.0063	MG/KG	151.0	86.5
Beryllium	.0039	MG/KG	ND	ND
Cadmium	.018	MG/KG	0.4	0.6
Chromium	.083	MG/KG	255	22
Cobalt	.083	MG/KG	2.2	0.7
Copper	.055	MG/KG	469	385
Iron	2	MG/KG	29400	22000
Lead	.6	MG/KG	15	23
Manganese	.012	MG/KG	152	139
Mercury	.003	MG/KG	0.17	0.06
Molybdenum	.14	MG/KG	5.7	5.7
Nickel	.063	MG/KG	51	20
Selenium	.24	MG/KG	0.37	0.66
Silver	.06	MG/KG	4.7	4.2
Thallium	.77	MG/KG	ND	ND
Vanadium	.064	MG/KG	11.3	7.7
Zinc	.12	MG/KG	513	265
pH	.08	PH	7.08	6.02
Total Solids	.24	WT%	70.7	49.9
Total Volatile Solids	.11	WT%	21.2	47.9
Aldrin	71000	MG/KG	ND	ND
2,4-dichlorophenoxyacetic acid	2.87	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	ND	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)	2.87	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-2007 to 31-DEC-2007  
Grit

Analyte	MDL	Units	PLR	
			01-JUN-2007 P385921	01-NOV-2007 P404268
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	ND	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	3800	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	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	ND	ND
Alpha Chlordene		NG/KG	NA	NA
Gamma Chlordene		NG/KG	NA	NA
Oxychlordane	28000	NG/KG	ND	ND
Trans Nonachlor	18000	NG/KG	4100	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	0	0
DDT and derivatives	71000	NG/KG	3800	0
Chlordane + related cmpds.	52000	NG/KG	4100	0
Polychlorinated biphenyls	580000	NG/KG	0	0
Chlorinated Hydrocarbons	580000	NG/KG	7900	0

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

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

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	PLR	
			01-JUN-2007 P385921	01-NOV-2007 P404268
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-2007 to 31-DEC-2007

Source:

Date:	Sample:	MDL	Units	PLR	
				01-JUN-2007 P385921	01-NOV-2007 P404268
	=====	=====	=====	=====	=====
	bis(2-chloroethyl) ether	1420	UG/KG	ND	ND
	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	17	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	1320	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	3760	672
	Pyrene	1150	UG/KG	5420	ND
	Butyl benzyl phthalate	2210	UG/KG	ND	<2210
	Chrysene	352	UG/KG	3370	ND
	Benzo[A]anthracene	1100	UG/KG	2370	ND
	Bis-(2-ethylhexyl) phthalate	3960	UG/KG	ND	8740
	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	2440	ND
	Benzo[A]pyrene	741	UG/KG	2180	ND
	Indeno(1,2,3-CD)pyrene	953	UG/KG	<953	ND
	Dibenzo(A,H)anthracene	616	UG/KG	ND	ND
	Benzo[G,H,I]perylene	301	UG/KG	1050	ND
	1,2-diphenylhydrazine	1590	UG/KG	ND	ND
	=====	=====	=====	=====	=====
	Polynuc. Aromatic Hydrocarbons	2520	UG/KG	18150	0
	=====	=====	=====	=====	=====
	Base/Neutral Compounds	3960	UG/KG	26100	9412

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

POINT LOMA WASTEWATER TREATMENT PLANT  
GRIT - Priority Pollutants Purgeable Compounds

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	PLR	
			01-JUN-2007 P385921	01-NOV-2007 P404268
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	605	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	ND	ND
Chlorobenzene	31.1	UG/KG	ND	33.8
Toluene	48	UG/KG	81.4	169
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	686.4	202.8

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	17	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	3380	20500
Carbon disulfide	34	UG/KG	48.7	46.3
2-butanone		UG/KG	857	3660
1,2-dichlorobenzene	28.7	UG/KG	ND	ND
1,3-dichlorobenzene	16.1	UG/KG	ND	ND
1,4-dichlorobenzene		UG/KG	1930	148

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 GRIT - Herbicides

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	PLR	PLR
			01-JUN-2007 P385921	01-NOV-2007 P404268
2,4-dichlorophenoxyacetic acid	2.87	MG/KG	ND	ND
2,4,5-TP (Silvex)	2.87	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: 2007

Raw Sludge  
Daily Average of 3 Shifts by Month

Month	pH	%Total Solids	%Total Volatile Solids
January	6.25	3.6	77.3
February	6.31	3.8	75.8
March	6.24	3.7	77.1
April	6.32	3.6	77.2
May	6.17	3.7	76.9
June	6.00	3.9	76.3
July	5.81	3.9	75.3
August	5.75	3.7	75.2
September	5.78	3.4	74.5
October	5.74	3.5	75.7
November	5.85	3.6	76.3
December	6.26	3.2	74.8
<b>Averages</b>	<b>6.04</b>	<b>3.6</b>	<b>76.0</b>

## J. Digester and Digested Sludge Data Summary

Point Loma Wastewater Treatment Plant Annual Report  
 Digesters  
 Year: 2007

### N1P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2007	7.08	2.0	56.2	2780	51	63.1	36.6
FEBRUARY -2007	7.08	2.0	55.5	2790	56	62.8	37.0
MARCH -2007	7.09	2.1	55.3	2840	56	62.9	36.7
APRIL -2007	7.00	2.0	55.5	2750	56	63.0	36.6
MAY -2007	7.06	2.0	55.6	2660	56	63.0	36.8
JUNE -2007	7.17	2.1	55.7	2650	57	62.9	36.8
JULY -2007	7.16	2.2	55.9	2550	55	63.2	36.6
AUGUST -2007	7.11	2.2	56.0	2520	52	63.6	36.2
SEPTEMBER-2007	7.03	2.2	56.2	2140	48	63.3	36.5
OCTOBER -2007	7.02	2.0	56.6	2290	50	63.0	36.8
NOVEMBER -2007	7.11	2.0	56.8	2410	53	62.8	36.7
DECEMBER -2007	7.08	2.0	56.9	2640	48	62.7	37.1
Average:	7.08	2.1	56.0	2585	53	63.0	36.7

### N2P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2007	7.16	1.8	55.4	3250	57	63.0	36.6
FEBRUARY -2007	7.16	1.8	54.9	2880	57	63.0	36.7
MARCH -2007	7.13	1.9	54.9	3160	58	63.0	36.7
APRIL -2007	7.10	1.7	55.6	3090	60	63.0	36.6
MAY -2007	7.13	1.8	55.8	2940	59	63.2	36.6
JUNE -2007	7.20	1.8	55.1	3040	59	63.2	36.6
JULY -2007	7.20	1.9	54.6	3050	63	63.3	36.5
AUGUST -2007	7.21	1.9	54.4	3120	59	63.6	36.2
SEPTEMBER-2007	7.13	2.0	54.5	2710	55	63.5	36.3
OCTOBER -2007	7.10	1.9	55.4	2520	50	63.0	36.8
NOVEMBER -2007	7.15	2.0	56.1	2620	56	63.0	36.7
DECEMBER -2007	7.14	1.9	56.6	2760	49	62.7	37.1
Average:	7.15	1.9	55.3	2928	57	63.1	36.6

### C1P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2007	7.07	2.5	53.2	2510	56	63.2	36.6	19
FEBRUARY -2007	7.08	2.4	52.8	2620	60	63.0	36.8	21
MARCH -2007	7.08	2.5	52.6	2690	61	63.1	36.7	22
APRIL -2007	7.05	2.3	53.2	2570	56	63.2	36.5	25
MAY -2007	7.08	2.3	55.5	2490	60	63.2	36.5	28
JUNE -2007	7.08	2.3	56.0	2430	59	63.2	36.6	32
JULY -2007	7.06	2.6	55.6	2280	60	63.4	36.4	34
AUGUST -2007	7.05	2.6	55.7	2260	50	63.6	36.2	33
SEPTEMBER-2007	7.08	2.2	53.7	2250	52	63.8	36.0	31
OCTOBER -2007	7.06	2.1	55.9	2320	51	63.2	36.6	26
NOVEMBER -2007	7.12	2.1	56.0	2430	54	62.8	37.0	27
DECEMBER -2007	7.13	2.0	57.0	2640	51	62.9	36.8	21
Average:	7.08	2.3	54.8	2458	56	63.2	36.6	27

Point Loma Wastewater Treatment Plant Annual Report  
 Digesters  
 Year: 2007

C2P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2007	7.11	2.1	55.2	2650	53	63.3	36.4
FEBRUARY -2007	7.10	2.4	54.5	2700	60	63.2	36.6
MARCH -2007	7.10	2.2	55.9	2730	66	63.2	36.6
APRIL -2007	7.07	2.1	56.2	2620	60	63.3	36.4
MAY -2007	7.11	2.1	57.6	2510	64	63.4	36.3
JUNE -2007	7.11	2.2	57.0	2440	70	63.4	36.4
JULY -2007	7.10	2.2	57.3	2350	56	63.5	36.2
AUGUST -2007	7.07	2.3	57.4	2260	55	63.6	36.2
SEPTEMBER-2007	7.07	2.1	54.7	2280	50	63.9	35.9
OCTOBER -2007	7.06	2.0	56.5	2290	54	63.5	36.3
NOVEMBER -2007	7.13	2.0	56.7	2430	55	62.9	36.9
DECEMBER -2007	7.12	2.0	57.3	2580	54	63.1	36.7
=====	=====	=====	=====	=====	=====	=====	=====
	7.10	2.1	56.4	2487	58	63.4	36.4

S1P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2007	7.14	2.1	54.5	2930	52	63.5	36.2	*
FEBRUARY -2007	7.16	2.0	55.8	2890	58	63.4	36.4	*
MARCH -2007	7.17	2.2	55.5	2980	58	63.3	36.5	*
APRIL -2007	7.12	1.8	55.3	2880	58	63.5	36.2	*
MAY -2007	7.16	2.0	55.6	2750	58	63.4	36.3	*
JUNE -2007	7.17	1.9	55.2	2760	58	63.5	36.2	*
JULY -2007	7.14	2.2	55.2	2730	56	63.6	36.2	*
AUGUST -2007	7.16	2.4	54.4	2750	54	64.0	35.8	*
SEPTEMBER-2007	7.11	2.1	54.6	2460	52	63.9	35.9	*
OCTOBER -2007	7.06	2.2	57.1	2320	52	63.5	36.2	*
NOVEMBER -2007	7.11	2.1	56.9	2420	53	62.6	37.2	*
DECEMBER -2007	7.12	2.1	57.3	2580	47	63.0	36.8	*
=====	=====	=====	=====	=====	=====	=====	=====	=====
	7.14	2.1	55.6	2704	55	63.4	36.3	*

S2P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2007	7.17	1.9	55.5	2790	51	63.4	36.3	*
FEBRUARY -2007	7.16	2.1	56.3	2780	59	63.3	36.3	*
MARCH -2007	7.17	2.0	56.1	2900	57	63.3	36.5	*
APRIL -2007	7.14	2.0	57.0	2760	59	63.4	36.2	*
MAY -2007	7.13	2.1	56.5	2660	59	63.4	36.3	*
JUNE -2007	7.16	2.2	56.3	2610	60	63.3	36.4	*
JULY -2007	7.14	2.3	55.9	2540	64	63.5	36.3	*
AUGUST -2007	7.13	2.2	55.1	2550	54	63.9	35.9	*
SEPTEMBER-2007	7.08	2.1	54.9	2220	50	63.8	36.0	*
OCTOBER -2007	7.04	2.2	56.7	2190	50	63.5	36.2	*
NOVEMBER -2007	7.11	2.1	57.5	2280	51	62.6	37.3	*
DECEMBER -2007	7.12	2.1	58.1	2470	47	62.8	37.0	*
=====	=====	=====	=====	=====	=====	=====	=====	=====
	7.13	2.1	56.3	2563	55	63.4	36.4	*

Point Loma Wastewater Treatment Plant Annual Report  
 Digesters  
 Year: 2007

DIG 7

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2007	7.20	1.8	56.4	2830	53	63.1	36.5	*
FEBRUARY -2007	7.23	1.9	55.7	2900	59	63.0	36.5	*
MARCH -2007	7.21	2.0	55.9	2990	58	62.9	36.7	*
APRIL -2007	7.19	2.4	55.7	2840	58	63.0	36.6	*
MAY -2007	7.17	1.9	55.8	2770	57	62.9	36.8	*
JUNE -2007	7.20	2.0	56.1	2710	58	62.9	36.8	*
JULY -2007	7.20	3.3	55.3	2600	59	63.1	36.6	*
AUGUST -2007	7.18	2.2	56.8	2570	54	63.3	36.4	*
SEPTEMBER-2007	7.13	2.0	55.8	2430	52	63.3	36.3	*
OCTOBER -2007	7.13	1.9	55.7	2440	52	62.7	36.8	*
NOVEMBER -2007	7.19	2.0	56.0	2520	54	62.9	36.7	*
DECEMBER -2007	7.22	2.0	56.2	2730	50	62.7	37.0	*
=====	7.19	2.1	56.0	2694	55	63.0	36.6	*

DIG 8

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2007	7.12	2.0	58.8	2470	53	63.0	36.5	*
FEBRUARY -2007	7.11	2.1	58.3	2590	60	62.7	36.9	*
MARCH -2007	7.14	2.1	57.9	2680	56	62.8	36.8	*
APRIL -2007	7.10	2.0	64.6	2490	58	62.9	36.6	*
MAY -2007	7.08	2.1	58.3	2450	58	62.9	36.9	*
JUNE -2007	7.13	2.2	58.6	2340	58	62.9	36.8	*
JULY -2007	7.09	2.3	57.9	2220	57	63.2	36.5	*
AUGUST -2007	7.10	2.3	57.6	2270	54	63.5	36.3	*
SEPTEMBER-2007	7.10	2.1	56.0	2250	53	63.6	36.1	*
OCTOBER -2007	7.07	2.1	57.4	2200	50	63.0	36.7	*
NOVEMBER -2007	7.12	2.1	57.9	2320	55	62.6	37.0	*
DECEMBER -2007	7.14	2.1	58.0	2510	49	62.7	37.1	*
=====	7.11	2.1	58.4	2399	55	63.0	36.7	*